

MOEA 

# 2023 CNS CATALOG



BUREAU OF STANDARDS, METROLOGY AND INSPECTION  
MINISTRY OF ECONOMIC AFFAIRS  
REPUBLIC OF CHINA

## PREFACE

The Bureau of Standards, Metrology and Inspection (BSMI) under the Ministry of Economic Affairs (MOEA) is the authority responsible for the establishment and promotion of National Standards of the Republic of China (CNS) in Taiwan. CNS Standards are established by consensus and promulgated by MOEA after the final review performed by the National Standards Review Council, which is comprised of representatives from the related interested parties, experts, manufacturers, academia and government departments. CNS Standards can provide common and repeated use, rules, guidelines or characteristics for products, processes and services.

Being the national standard body in Taiwan, the BSMI bears the responsibility to develop and operate a standardization system that is relevant and can effectively respond to the needs of national policies and industrial and social development, as well as keep pace with scientific and technological advancement by way of actively harmonizing CNS Standards with international standards. Through these dedicated efforts, BSMI can make a meaningful contribution to enhance the overall living quality, support the technical upgrade of industry and reduce technical barriers of foreign trade.

To facilitate the public to access the CNS Standards easily, the BSMI provides the “CNS Online Service” (<https://www.cnsonline.com.tw>) information system, which can provide the related information of CNS Standards, e.g. full text of CNS Standards, historical search for each superseded CNS Standard, up-to-date information of the most popular CNS Standards, etc. Previewing the full text of each CNS Standard on this information system is free.

By the end of 2022, the number of current CNS Standards in Chinese amounts to 11,859, of which 1,543 CNS Standards in English version are available. This catalog will act as a useful guide for you to look for the targeted CNS Standard you need.

## HOW TO USE THE CATALOG

Each CNS Standard is identified by one CNS number and one Category number. Two examples of the elements of each entry are illustrated below:

Example 1: \* 560 A2006 2018-04 Steel bars for concrete reinforcement  
(1) (2) (3) (4) (5)

Example 2: 1086 A1008 withdrawn Dimensions of concrete pipes (→CNS 483)  
(6) (7)

Illustration :

- (1) English version is available (“\*” denotes there is English version of the corresponding CNS Standard)
- (2) CNS number
- (3) Category number
- (4) Date of current edition, year - month
- (5) Title of standard
- (6) This edition of standard is withdrawn
- (7) The withdrawn standard is replaced by other CNS standard shown in the parentheses

## CONTENTS (by CNS Category)

Category	Subcategory	Sector	Page
Civil Engineering and Architecture	A1	General	1
	A2	Building Materials	2
	A3	Testing and Inspection	8
	A4	Machines and Equipments for Working	22
Mechanical Engineering	B1	General	23
	B2	Spare Parts	35
	B3	Tools	52
	B4	Machines	62
	B5	Steel Pipes and Cylinders	63
	B6	Measuring Instruments	66
	B7	Testing and Inspection	68
	B8	Automation	77
Electrical Engineering	C1	General	80
	C2	Electric Wires and Cables	86
	C3	Testing and Inspection	91
	C4	Electric Machinery, Appliances and Materials	98
Electronic Engineering	C5	General	124
	C6	Testing and Inspection	129
	C7	Electronic Instruments and Parts	147
Automotive and Aircraft Engineering	D1	General	156
	D2	Spare Parts	159
	D3	Testing and Inspection	163
	D4	Tools	168
Railway Engineering	E1	Materials	169
	E2	Testing and Inspection	170
	E3	General	171
Shipbuilding Engineering	F1	Testing and Inspection	173
	F2	Materials	173
	F3	Tools and Machines	173
	F4	General	178
	F5	Electric Engineering for Shipbuilding	179
Ferrous Materials and Metallurgy	G1	General	182
	G2	Testing and Inspection	182
	G3	Materials and Products	190
Non-ferrous Materials and Metallurgy	H1	General	197
	H2	Testing and Inspection	197
	H3	Non-ferrous Materials and Products	202
Nuclear Engineering	J1	General	206
	J2	Testing and Inspection	206

## CONTENTS (by CNS Category)

Category	Subcategory	Sector	Page
	J3	Nuclear Engineering Materials	209
Chemical Industry	K0	General	210
	K1	Materials	211
	K2	Pigments and Paints	216
	K3	Plastics	221
	K4	Rubbers	226
	K5	Oils	228
	K6	Testing and Inspection	232
	K7	Chemical Reagents	270
	K8	Miscellaneous	282
	K9	Relationship with Public Nuisance	284
Textile Industry	L1	General	288
	L2	Spare Parts of Textile Machines	288
	L3	Testing and Inspection	290
	L4	Materials and Products	298
Mining	M1	Materials	302
	M2	Tools for Miners	302
	M3	Testing and Inspection	304
	M4	General	310
Agriculture	N1	Agricultural Products	311
	N2	Feeds	313
	N3	Fertilizers and Agricultural Insecticide	314
	N4	Testing and Inspection	316
Food	N5	Food	322
	N6	Testing and Inspection	326
	N7	Deep sea water	338
Wood Industry	O1	General	339
	O2	Testing and Inspection	340
Pulp and Paper Industry	P1	General	343
	P2	Pulp and Paper	343
	P3	Testing and Inspection	345
Environmental Protection	Q1	General	349
	Q2	Environmental Management	350
	Q3	Environmental Engineering Devices	351
	Q4	Resource Products	351
Ceramic Industry	R1	General	352
	R2	Pottery Wares	352
	R3	Testing and Inspection	356
	R4	Laboratory Apparatus	363

## CONTENTS (by CNS Category)

Category	Subcategory	Sector	Page
Domestic Commodities	S1	Domestic Wares	364
	S2	Testing and Inspection	370
	S3	Accessible design	377
Medical Equipments and Appliances	T1	Surgical Machines and Appliances	379
	T2	Medical Appliances and Sanitary Goods	382
	T3	Dental Equipments and Appliances	383
	T4	Testing and Inspection	385
	T5	General	386
Information and Communications	X0	General	393
	X1	Communications Technology	395
	X2	Communications Equipments	409
	X3	Software	412
	X4	Computer and Peripheral Equipments	413
	X5	Coding and Representation of Data Elements	415
	X6	Applications of Information	419
	X7	Testing, Verification and Validation	429
Industrial Safety	Z1	General	430
	Z2	Safety Equipments	432
	Z3	Testing and Inspection	437
Quality Control	Z4	Quality Control	438
Physical Distribution and Packaging	Z5	Packaging Materials	442
	Z6	Testing and Inspection	446
General and Miscellaneous	Z7	Miscellaneous	449
	Z8	Testing and Inspection	459
	Z9	Photography and Motion Pictures	464

## CONTENTS (by CNS Number)

CNS no.	Category no.	Page	CNS no.	Category no.	Page	CNS no.	Category no.	Page	CNS no.	Category no.	Page	CNS no.	Category no.	Page
1	Z7	449	29	B2	35	76	B3	52	123	B3	52	170	B3	53
2	Z7	449	30	B2	35	77	K5	228	124	B3	52	171	B3	53
3	B1	23	31	C1	80	78	K6	232	125	B3	52	172	B3	53
3-1	B1	23	32	C1	80	79	B1	23	126	B3	52	173	B3	53
3-2	B1	23	33	C1	80	80	K1	211	127	B6	66	174	B1	23
3-3	B1	23	34	D3	163	81	K5	228	128	B6	66	175	B1	23
3-4	B1	23	35	Z7	449	82	N1	311	129	B6	66	176	B7	68
3-5	B1	23	36	D3	163	83	N1	311	130	B6	66	177	B3	53
3-6	B1	23	37	Z7	449	84	N1	311	131	B3	52	178	B3	53
3-7	B1	23	38	D3	163	85	N1	311	132	B3	52	179	N1	311
3-8	B1	23	39	C4	98	86	N1	311	133	B3	52	180	C1	80
3-9	B1	23	40	D3	163	87	N1	311	134	B3	52	181	C3	91
3-10	B1	23	41	K6	232	88	Z7	449	135	B3	52	182	B6	66
3-11	B1	23	42	C1	80	89	Z7	449	136	B3	52	183	B2	35
3-12	B1	23	43	D3	163	90	P1	343	137	B3	52	184	B2	35
3-13	B1	23	44	D3	163	91	D3	163	138	B3	52	185	B2	35
3-14	B1	23	45	D3	163	92	K5	228	139	B3	52	186	B2	35
3-15	B1	23	46	K6	232	93	K6	232	140	B3	52	187	K6	233
3-16	B1	23	47	H3	202	94	B7	68	141	B3	52	188	K6	233
3-17	B1	23	48	K1	211	95	B7	68	142	B3	52	189	K6	233
3-18	B1	23	49	N3	314	96	B7	68	143	B3	52	190	K6	233
4-1	B1	23	50	K1	211	97	B7	68	144	B3	52	191	K6	233
4-2	B1	23	51	K1	211	98	B7	68	145	B3	52	192	K5	228
5	P1	343	52	K1	211	99	B7	68	146	B4	62	193	N5	322
6	H3	202	53	N3	314	100	B7	68	147	B2	35	194	K1	211
7	H3	202	54	K1	211	101	B7	68	148	B2	35	195	K1	211
8	H3	202	55	N3	314	102	C1	80	149	B3	52	196	K1	211
9	H3	202	56	S2	370	103	C1	80	150	B2	35	197	K1	211
10	M3	304	57	S2	370	104	C1	80	151	B2	35	198	H2	197
11	K5	228	58	K6	232	105	C1	80	152	B2	35	199	H2	197
12	K6	232	59	K6	232	106	C1	80	153	B2	35	200	H2	197
13	K2	216	60	K6	232	107	C1	80	154	B2	35	201	H2	197
14	K2	216	61	R2	352	108	C1	80	155	B2	35	202	H2	197
15	K2	216	62	K1	211	109	G1	182	156	B2	35	203	H2	197
16	K2	216	63	K1	211	110	G1	182	157	B2	35	204	M1	302
17	K1	211	64	D3	163	111	G1	182	158	B2	35	205	M1	302
18	K1	211	65	B3	52	112	G1	182	159	B2	35	206	N5	322
19	K1	211	66	B3	52	113	G1	182	160	B2	35	207	K5	228
20	K1	211	67	B3	52	114	K1	211	161	B2	35	208	N1	311
21	K1	211	68	B1	23	115	K6	232	162	B7	68	209	B3	53
22	K1	211	69	D3	163	116	K5	228	163	B3	52	210	B3	53
23	K1	211	70	D3	163	117	K6	232	164	B3	52	211	B1	23
24	K1	211	71	B1	23	118	K5	228	165	B3	52	212	B3	53
25	K1	211	72	B3	52	119	K6	233	166	B3	52	213	B3	53
26	K1	211	73	A2	2	120	B2	35	167	B3	53	214	B3	53
27	B2	35	74	A3	8	121	B2	35	168	B3	53	215	B3	53
28	B2	35	75	B1	23	122	B2	35	169	B3	53	216	B3	53

## CONTENTS (by CNS Number)

CNS no.	Category no.	Page	CNS no.	Category no.	Page	CNS no.	Category no.	Page	CNS no.	Category no.	Page	CNS no.	Category no.	Page
217	B1	23	264	K1	211	311	B3	54	358	B2	36	393	B2	36
218	B3	53	265	G3	190	312	B3	54	359	B2	36	394	B2	36
219	B3	53	266	N3	314	313	B3	54	360	B2	36	395	B2	36
220	B3	53	267	G2	182	314	B3	54	361	B2	36	396	B2	36
221	B3	53	268	G2	182	315	B3	54	362	B2	36	397	B2	36
222	B3	53	269	G2	182	316	C1	80	363	B2	36	398	B2	36
223	B3	53	270	H2	197	317	C1	80	363-1	B2	36	399	B2	36
224	B1	23	271	H2	197	318	C4	98	363-2	B2	36	400	C1	80
225	B3	53	272	H2	197	319	B3	54	364	B2	36	401	C1	80
226	B3	53	273	H2	197	320	B3	54	365	B2	36	402	C1	80
227	B3	53	274	H2	197	321	B3	54	366	B7	68	403	C1	80
228	B3	53	275	H2	197	322	B3	54	366-1	B7	68	404	C1	80
229	B3	53	276	H2	197	323	B3	54	366-2	B7	68	405	C1	80
230	B3	53	277	H2	197	324	B3	54	366-3	B7	68	406	C1	80
231	B3	53	278	H2	197	325	B3	54	366-4	B7	68	407	C1	80
232	B3	53	279	K6	233	326	B3	54	366-5	B7	68	408	C1	80
233	B3	53	280	K6	233	327	B3	54	366-6	B7	68	409	C1	80
234	B3	53	281	K6	233	328	B3	54	366-7	B7	69	410	C1	80
235	B3	53	282	K6	233	329	B3	54	366-8	B7	69	411	C1	80
236	B3	53	283	K6	233	330	B2	35	366-9	B7	69	412	C1	80
237	B1	23	284	M3	304	331	B2	35	367	H3	202	413	C5	124
238	B3	53	285	K6	233	332	B2	35	368	H3	202	414	C5	124
239	B3	53	286	K6	233	333	B2	35	369	H1	197	415	C5	124
240	B3	53	287	K6	233	334	B2	35	370	H3	202	416	C5	124
241	B3	53	288	K6	233	335	B2	35	371	H3	202	417	C5	124
242	B3	53	289	M3	304	336	Z5	442	372	H3	202	418	C4	98
243	B3	53	290	K6	233	337	Z5	442	373	N5	322	419	C4	98
244	B3	53	291	K6	233	338	Z5	442	374	K1	211	420	C4	98
245	B3	53	292	M3	304	339	Z5	442	375	K1	211	421	C4	98
246	B3	53	293	G2	183	340	Z5	442	376	N5	322	422	D2	159
247	B3	53	294	G2	183	341	B2	35	377	K1	211	423	N5	322
248	B3	53	295	K6	233	342	B1	23	378	K5	228	424	N2	313
249	B3	53	296	K5	228	343	B2	35	379	K1	211	425	N2	313
250	B3	53	297	N5	322	344	B2	35	380	K1	211	426	K1	211
251	B3	53	298	C3	91	345	B2	35	381	A2	3	427	N3	314
252	B3	53	299	C1	80	346	B2	35	382	R2	352	428	N3	314
253	B3	53	300	B1	23	347	B2	35	383	R2	352	429	N4	316
254	B3	53	301	B3	53	348	B2	35	384	S1	364	430	K1	211
255	B3	53	302	B3	53	349	B2	35	385	Z7	449	431	K1	211
256	B3	53	303	B3	54	350	B2	35	386	Z7	449	432	K1	212
257	B3	53	304	B3	54	351	B2	35	386-1	Z7	449	433	K1	212
258	B3	53	305	B3	54	352	B2	36	387	A2	3	434	K1	212
259	B3	53	306	B3	54	353	B2	36	388	B2	36	435	K1	212
260	S1	364	307	B3	54	354	B2	36	389	B2	36	436	K1	212
261	K5	228	308	B3	54	355	B2	36	390	B2	36	437	S1	364
262	N3	314	309	B3	54	356	B2	36	391	B2	36	438	S2	371
263	K1	211	310	B3	54	357	B2	36	392	B2	36	439	S1	364



## CONTENTS (by CNS Number)

CNS no.	Category no.	Page	CNS no.	Category no.	Page	CNS no.	Category no.	Page	CNS no.	Category no.	Page	CNS no.	Category no.	Page
440	S2	371	487	A3	8	531	B1	24	564	B6	66	604	K2	216
441	Z2	432	488	A3	9	532	B1	24	565	B7	69	605	K2	216
442	O1	339	489	A3	9	533	B6	66	566	B2	37	606	K2	216
443	O1	339	490	A3	9	534	B6	66	567	B2	37	607	K2	216
444	O1	339	491	A3	9	535	B6	66	568	B2	37	608	K2	216
445	O1	339	492	B2	36	536	B6	66	569	B2	37	609	K2	216
446	O1	339	493	B2	36	537	B6	66	570	B2	37	610	K2	216
447	O1	339	494	B2	36	538	B6	66	571	B2	37	611	N5	322
448	O1	339	495	B2	36	539	B6	66	572	B2	37	612	R1	352
449	O1	339	496	B2	36	540	B3	54	573	B2	37	613	R3	356
450	O2	340	497	B2	36	541	B3	54	574	B2	37	614	R3	356
451	O2	340	498	B2	36	542	B3	54	575	G3	190	615	R3	356
452	O2	340	499	B2	36	543	B7	69	576	L2	288	616	R3	356
453	O2	340	500	B2	36	544	B7	69	577	L2	289	617	R3	356
454	O2	340	500-2	B2	36	545	C4	98	578	L2	289	618	R3	356
455	O2	340	500-3	B2	36	546	C2	86	579	L2	289	619	R3	356
456	O2	340	501	B2	36	547	C4	98	580	L3	290	620	R3	356
457	O2	340	501-2	B2	36	548	N6	326	581	L2	289	621	R3	356
458	O2	340	502	B2	36	549	S1	364	582	L2	289	622	R3	356
459	O2	340	503	B2	36	550	N5	322	583	L2	289	623	R3	356
460	O2	340	504	B2	36	551	N6	326	584	L2	289	624	R3	357
461	R1	352	505	B2	36	552	S1	364	585	L2	289	625	R1	352
462	R2	352	506	B2	36	553	S2	371	586	L2	289	626	K6	233
463	R2	352	507	B2	36	554	K2	216	587	L2	289	627	K6	233
464	R2	352	508	B2	36	555	A2	3	588	L2	289	628	K6	233
465	R3	356	509	B2	36	556	A1	1	589	L2	289	629	K6	233
466	R1	352	510	B2	37	557	A1	1	590	L2	289	630	K6	233
467	R2	352	511	B2	37	558	A1	1	591	L2	289	631	K6	233
468	R2	352	512	B2	37	559-1	A3	9	592	L2	289	632	K6	233
469	R2	352	513	B2	37	559-2	A3	9	593	L2	289	633	K1	212
470	R3	356	514	B2	37	559-3	A3	9	594	L2	289	634	N3	314
471	R1	352	515	B2	37	559-4	A3	9	595	L2	289	635	K6	233
472	R2	352	516	B2	37	559-5	A3	9	596	L3	290	636	K1	212
473	R2	352	517	B2	37	559-6	A3	9	596-2	L3	290	637	G3	190
474	R3	356	518	B1	23	559-7	A3	9	596-3	L3	290	638	G3	190
475	R2	352	519	B1	23	559-8	A3	9	596-4	L3	290	639	G3	190
476	R3	356	520	B1	23	559-9	A3	9	596-5	L3	290	640	G3	190
477	R3	356	521	B1	23	559-10	A3	9	596-6	L3	290	641	G3	190
478	A2	3	522	B6	66	559-11	A3	9	596-7	L3	290	642	G3	190
479	A3	8	523	B6	66	559-12	A3	9	596-8	L3	290	643	G2	183
480	R1	352	524	B6	66	559-13	A3	9	597	C4	98	644	G1	182
481	R1	352	525	B6	66	559-14	A3	9	598	C4	98	645	G1	182
482	R3	356	526	B6	66	559-15	A3	9	599	C3	91	646	G1	182
483	A1	1	527	B6	66	560	A2	3	600	C4	98	647	G1	182
484	A3	8	528	B6	66	561	B6	66	601	K2	216	648	H1	197
485	A3	8	529	B1	23	562	B6	66	602	K2	216	649	H1	197
486	A3	8	530	B1	23	563	B6	66	603	K2	216	650	H1	197

## CONTENTS (by CNS Number)

CNS no.	Category no.	Page	CNS no.	Category no.	Page	CNS no.	Category no.	Page	CNS no.	Category no.	Page	CNS no.	Category no.	Page
651	H1	197	698	K6	233	745	K4	226	785	R3	357	832	B5	64
652	H1	197	699	K1	212	746	K6	233	786	R3	357	833	B5	64
653	H2	197	700	K1	212	747	K4	226	787	R3	357	834	B5	64
654	H2	197	701	K2	216	748	K6	233	788	B7	69	835	B5	64
655	H2	197	702	L3	290	749	N5	322	789	B5	63	836	B5	64
656	H2	197	703	N6	326	750	N6	326	790	B5	63	837	B5	64
657	H2	197	704	R1	352	751	N6	326	791	B5	63	838	B5	64
658	H2	197	705	R3	357	752	B7	69	792	B5	63	839	B5	64
659	B7	69	706	S1	364	753	H3	202	793	B5	63	840	B5	64
660	B7	69	707	B4	62	754	H3	202	794	B5	63	841	B5	64
661	B7	69	708	B5	63	755	H3	202	795	B5	63	842	B5	64
662	B7	69	709	B5	63	756	H3	202	796	B5	63	843	B5	64
663	B7	69	710	B5	63	757	H3	202	797	B5	63	844	B5	64
664	B7	69	711	B5	63	758	H3	202	798	B5	63	845	B5	64
665	B7	69	712	B2	37	759	H3	202	799	B5	63	846	B5	64
666	C2	86	713	B2	37	760	H2	197	800	B5	63	847	B5	64
667	C2	86	714	B2	37	761	N5	322	801	B5	63	848	B5	64
668	C2	86	715	B2	37	762	N6	326	802	Z5	442	849	B5	64
669	C1	80	716	B2	37	763	S2	371	803	Z6	446	850	B5	64
670	C2	86	717	B2	37	764	K5	228	804	C3	92	851	B5	64
671	C2	86	718	B2	37	765	N6	326	805	S2	371	852	B5	64
672	C2	86	719	C4	98	766	K2	216	806	K4	226	853	B5	64
673	C2	86	720	C3	92	767	K6	233	807	K4	226	854	B5	64
674	C2	86	721	C4	98	768	K5	228	808	K4	226	855	B5	64
675	C2	86	722	S1	364	769	K6	233	809	K4	226	856	A1	1
676	C2	86	723	S2	371	770	K2	216	810	K4	226	857	A2	3
677	C1	80	724	S1	364	771	K6	233	811	K4	226	858	A2	3
678	C1	80	725	K6	233	772	K2	216	812	K4	226	859	A2	3
679	C2	86	726	K6	233	773	K6	233	813	K4	226	860	A2	3
680	C1	80	727	K6	233	774	K2	216	814	K4	226	861	A2	3
681	C1	80	728	K6	233	775	K6	233	815	K6	234	862	A2	3
682	C3	92	729	K6	233	776	K2	217	816	K6	234	863	A2	3
683	C3	92	730	K6	233	777	K6	242	817	K6	234	864	A2	3
684	C3	92	731	K6	233	778	K2	217	818	K6	234	865	A2	3
685	C3	92	732	K6	233	779	K2	217	819	L4	298	866	A2	3
686	C3	92	733	K6	233	780	K2	217	820	N1	311	867	A2	3
687	C3	92	734	K6	233	781	K2	217	821	N1	311	868	A2	3
688	C3	92	735	K6	233	782	K6	233	822	N5	322	869	A2	3
689	C3	92	736	K4	226	783	K6	234	823	R2	352	870	A2	3
690	C4	98	737	K6	233	783-1	K6	234	824	R3	357	871	A2	3
691	C7	147	738	K4	226	783-2	K6	234	825	G3	190	872	A2	3
692	C4	98	739	K6	233	783-3-1	K6	234	826	G2	183	873	A2	3
693	C4	98	740	S2	371	783-3-2	K6	234	827	Z5	442	874	A2	3
694	C3	92	741	S2	371	783-4	K6	234	828	B5	63	875	A2	3
695	C4	98	742	S2	371	783-5	K6	234	829	B5	63	876	A2	3
696	C4	98	743	S2	371	783-6	K6	234	830	B5	63	877	A2	3
697	K1	212	744	K6	233	784	R3	357	831	B5	64	878	C2	86

## CONTENTS (by CNS Number)

CNS no.	Category no.	Page	CNS no.	Category no.	Page	CNS no.	Category no.	Page	CNS no.	Category no.	Page	CNS no.	Category no.	Page
879	C2	86	926	A2	3	973	N6	326	1014	B3	54	1061	K1	212
880	C2	86	927	C4	98	974	N6	326	1015	B3	54	1062	K6	235
881	C2	86	928	C2	86	975	N6	327	1016	B3	54	1063	K1	212
882	C2	86	929	C2	86	976	N6	327	1017	B3	54	1064	K6	235
883	C3	92	930	C2	86	977	N6	327	1018	B3	54	1065	S1	364
884	Z2	432	931	C2	86	978	N6	327	1019	B3	54	1066	S2	371
885	S2	371	932	C2	86	979	N6	327	1020	B3	54	1067	K8	282
886	K6	234	933	C2	86	980	N6	327	1021	B3	54	1068	K6	235
887	S1	364	934	C2	86	981	R1	352	1022	B3	54	1069	N5	322
888	S2	371	935	C2	86	982	R2	352	1023	B3	54	1070	N5	322
889	O1	339	936	C2	86	983	R2	352	1024	B7	69	1071	N6	327
890	R1	352	937	C2	86	984	R2	353	1025	B3	54	1072	R2	353
891	R2	352	938	C2	86	985	R2	353	1026	B3	54	1073	R3	357
892	R2	352	939	C2	86	986	R2	353	1027	B3	54	1074	R2	353
893	R2	352	940	C3	92	987	R2	353	1028	C4	98	1075	R3	357
894	R2	352	941	G3	190	988	R2	353	1029	C4	98	1076	R2	353
895	R2	352	942	G3	190	989	R2	353	1030	C3	92	1077	R3	357
896	R2	352	943	G3	190	990	R3	357	1031	H2	197	1078	R3	357
897	R2	352	944	G3	190	991	R2	353	1032	K1	212	1079	S2	371
898	R2	352	945	G3	190	992	R3	357	1033	K6	234	1080	S2	371
899	R2	352	946	G3	190	993	R3	357	1034	K1	212	1081	S1	364
900	R2	352	947	G3	190	994	R3	357	1035	K6	234	1082	S1	364
901	R2	352	948	G3	190	995	R3	357	1036	K1	212	1083	S2	371
902	R2	352	949	G3	190	996	R3	357	1037	K6	234	1084	A1	1
903	R3	357	950	G3	190	997	K6	234	1038	K6	235	1085	A1	1
904	S1	364	951	G3	190	998	K6	234	1039	K6	235	1086	A1	1
905	S1	364	952	G3	191	999	K1	212	1040	K6	235	1087	K3	221
906	S1	364	953	G3	191	1000	K5	228	1041	K6	235	1088	K6	235
907	C3	92	954	S2	371	1001	K6	234	1042	K2	217	1089	K6	235
908	G3	190	955	N6	326	1002	K6	234	1043	K6	235	1090	P2	343
909	K6	234	956	N6	326	1002-1-1	K6	234	1044	K2	217	1091	P2	343
910	K6	234	957	N4	316	1002-1-2	K6	234	1045	K6	235	1092	C4	98
911	K6	234	958	N6	326	1002-2	K6	234	1046	R3	357	1093	K5	228
912	K6	234	959	N3	314	1002-3	K6	234	1047	R1	352	1094	K6	235
913	K6	234	960	K6	234	1002-4	K6	234	1048	R2	353	1095	B7	69
914	K6	234	961	N3	314	1002-5	K6	234	1049	R2	353	1096	B3	54
915	K6	234	962	N3	314	1003	K6	234	1050	A3	9	1097	B3	54
916	K6	234	963	K6	234	1004	K6	234	1051	B3	54	1098	B3	54
917	K6	234	964	S1	364	1005	K1	212	1052	B3	54	1099	B3	54
918	K1	212	965	S2	371	1006	K6	234	1053	B3	54	1100	B3	54
919	K6	234	966	L4	298	1007	M1	302	1054	B3	54	1101	B3	54
920	K6	234	967	N6	326	1008	M1	302	1055	C3	92	1102	F3	173
921	K6	234	968	N6	326	1009	N4	316	1056	C4	98	1103	B3	54
922	N1	311	969	N6	326	1010	R3	357	1057	C4	98	1104	B3	54
923	C4	98	970	N6	326	1011	R3	357	1058	G2	183	1105	B3	54
924	S1	364	971	N6	326	1012	R3	357	1059	K6	235	1106	B3	54
925	S1	364	972	N6	326	1013	C3	92	1060	N4	316	1107	B3	54

## CONTENTS (by CNS Number)

CNS no.	Category no.	Page	CNS no.	Category no.	Page	CNS no.	Category no.	Page	CNS no.	Category no.	Page	CNS no.	Category no.	Page
1108	B3	54	1155	K4	226	1202	B3	55	1248-2	K2	217	1293	K6	236
1109	B3	54	1156	K6	235	1203	B3	55	1248-3	K2	217	1294	K6	236
1110	B7	69	1157	K2	217	1204	B3	55	1248-4	K2	217	1295	K3	221
1111	G2	183	1158	K6	235	1205	B3	55	1249	K6	235	1296	K3	221
1112	K2	217	1159	Z5	442	1206	B3	55	1250	N5	322	1297	K6	236
1113	K6	235	1160	Z5	442	1207	B3	55	1251	N5	322	1298	K3	221
1114	N3	314	1161	Z5	442	1208	B3	55	1252	N5	322	1299	K6	236
1115	N4	316	1162	Z8	459	1209	B3	55	1253	N5	322	1300	K3	221
1116	L3	290	1163	A3	9	1210	B3	55	1254	N5	322	1301	K6	236
1117	L3	290	1164	A3	9	1211	B3	55	1255	N5	322	1302	K3	221
1118	M1	302	1165	A3	9	1212	B3	55	1256	N5	322	1303	K6	236
1119	N1	311	1166	A3	9	1213	B3	55	1257	N5	322	1304	K5	228
1120	N1	311	1167	A3	9	1214	B7	69	1258	R3	357	1305	N5	322
1121	N1	311	1168	A3	9	1215	C4	99	1259	Z5	442	1306	Z1	430
1122	N1	311	1169	A3	9	1216	K6	235	1260	A2	3	1307	C4	99
1123	R2	353	1170	A3	9	1217	K6	235	1261	Z1	430	1308	H3	202
1124	R3	357	1171	A3	9	1218	K6	235	1262	C6	129	1309	N3	314
1125	R2	353	1172	A3	9	1219	K6	235	1263	C7	147	1310	N4	316
1126	R3	357	1173	A3	9	1220	K6	235	1264	C7	147	1311	L4	298
1127	R3	357	1174	A3	9	1221	K6	235	1265	C6	129	1312	L3	290
1128	Z5	442	1175	A3	9	1222	K6	235	1266	C3	92	1313	N5	322
1129	D3	163	1176	A3	9	1223	K6	235	1267	C4	99	1314	N5	322
1130	B3	54	1177	A3	9	1224	L4	298	1268	C3	92	1315	P2	343
1131	B3	55	1178	A3	9	1225	L3	290	1269	K8	282	1316	P2	343
1132	B3	55	1179	C7	147	1226	L3	290	1270	K8	283	1317	P2	343
1133	B3	55	1180	G3	191	1227	L3	290	1271	K8	283	1318	Z6	446
1134	B3	55	1181	H3	202	1228	N5	322	1272	K6	235	1319	Z5	442
1135	B3	55	1182	H2	197	1229	N5	322	1273	K6	235	1320	Z5	442
1136	B3	55	1183	R2	353	1230	A3	9	1274	K6	235	1321	Z5	442
1137	B3	55	1184	R3	357	1231	A3	9	1275	K6	235	1322	Z5	442
1138	B3	55	1185	B3	55	1232	A3	9	1276	K6	235	1323	B7	69
1139	B3	55	1186	B3	55	1233	A3	9	1277	K6	235	1324	B7	69
1140	B3	55	1187	B3	55	1234	A3	9	1278	K6	235	1325	Z1	430
1141	B3	55	1188	B3	55	1235	A3	10	1279	K6	235	1326	C4	99
1142	B7	69	1189	B3	55	1236	A3	10	1280	K6	235	1327	C3	92
1143	C4	98	1190	B3	55	1237	A3	10	1281	K6	235	1328	C4	99
1144	C3	92	1191	B3	55	1238	A3	10	1282	K6	235	1329	C4	99
1145	C4	98	1192	B3	55	1239	A3	10	1283	K6	235	1330	C4	99
1146	C4	98	1193	B3	55	1240	A2	3	1284	K6	235	1331	K5	228
1147	C4	98	1194	B3	55	1241	A3	10	1285	K6	235	1332	Z1	430
1148	C4	98	1195	B3	55	1242	G3	191	1286	K6	235	1333	K2	217
1149	C3	92	1196	B3	55	1243	G3	191	1287	K6	235	1334	K6	236
1150	E1	169	1197	B3	55	1244	G3	191	1288	K6	235	1335	L3	290
1151	S1	364	1198	B3	55	1245	A2	3	1289	K6	235	1336	Z3	437
1152	S2	371	1199	B3	55	1246	C4	99	1290	K6	236	1337	B5	64
1153	K4	226	1200	B3	55	1247	H2	197	1291	K6	236	1338	N6	327
1154	K6	235	1201	B3	55	1248	K2	217	1292	K6	236	1339	N3	314

## CONTENTS (by CNS Number)

CNS no.	Category no.	Page	CNS no.	Category no.	Page	CNS no.	Category no.	Page	CNS no.	Category no.	Page	CNS no.	Category no.	Page
1340	K1	212	1387	Z2	432	1433-1	B3	55	1478	L4	299	1519	K7	271
1341	K6	236	1388	L4	298	1433-2	B3	55	1479	L3	291	1520	K7	271
1342	K1	212	1389	L3	290	1434	B3	55	1480	L4	299	1521	K7	271
1343	K6	236	1390	L4	298	1435	G3	191	1481	L3	291	1522	K7	271
1344	N6	327	1391	P3	345	1436	N3	314	1482	N4	316	1523	K7	271
1345	N5	322	1392	P2	343	1437	N4	316	1483	N4	316	1524	K7	271
1346	N5	322	1393	P2	343	1438	N5	322	1484	N5	322	1525	K7	271
1347	N5	322	1394	P2	343	1439	K6	236	1485	N6	327	1526	K7	271
1348	N1	311	1395	Z4	438	1440	K3	221	1486	N5	322	1527	K7	271
1349	O1	339	1396	H3	202	1441	K6	236	1487	N6	327	1528	K7	271
1350	O2	340	1397	K1	212	1442	L4	299	1488	C4	99	1529	K7	271
1351	P3	345	1398	K5	228	1443	L4	299	1489	G1	182	1530	K7	271
1352	P3	345	1399	K5	228	1444	L3	290	1490	G1	182	1531	K7	271
1353	P3	345	1400	K6	236	1445	M1	302	1491	L3	291	1532	K7	271
1354	P3	345	1401	L4	299	1446	N1	311	1492	L3	291	1533	K7	271
1355	P3	345	1402	L3	290	1447	N1	311	1493	L3	291	1534	K7	271
1356	P3	345	1403	N4	316	1448	N1	311	1494	L3	291	1535	K7	271
1357	P3	345	1404	N4	316	1449	N1	311	1494-6	L3	291	1536	K7	271
1358	P3	345	1405	L4	299	1450	N5	322	1494-7	L3	291	1537	K7	271
1359	G2	183	1406	L4	299	1451	N6	327	1494-8	L3	291	1538	K7	271
1360	G2	183	1407	L3	290	1452	L4	299	1494-9	L3	291	1539	K7	271
1361	G2	183	1408	Z2	432	1453	O1	339	1494-10	L3	291	1540	K7	271
1362	B2	37	1409	C4	99	1454	P2	343	1494-12	L3	291	1541	K7	271
1363	Z1	430	1410	C4	99	1455	P2	343	1495	L3	291	1542	K7	271
1364	C2	86	1411	C4	99	1456	P2	343	1496	L3	291	1543	K7	271
1365	C2	86	1412	E1	169	1457	P2	343	1497	L3	291	1544	K7	271
1366	C2	86	1413	K1	212	1458	P2	343	1498	L3	291	1545	K7	271
1367	C2	86	1414	K1	212	1459	P2	343	1499	L3	291	1546	K7	271
1368	C2	86	1415	K6	236	1460	P2	343	1500	L3	291	1547	K7	271
1369	C2	86	1416	N5	322	1461	P2	343	1501	K7	270	1548	K7	271
1370	C3	92	1417	N2	313	1462	P2	343	1502	K7	270	1549	K7	271
1371	C4	99	1418	N6	327	1463	P2	343	1503	K7	270	1550	K7	271
1372	C7	147	1419	K6	236	1464	P2	343	1504	K7	270	1551	K7	271
1373	C4	99	1420	K6	236	1465	P2	343	1505	K7	270	1552	K7	271
1374	K1	212	1421	K1	212	1466	P3	345	1506	K7	270	1553	K7	271
1375	K6	236	1422	K6	236	1467	Z1	430	1507	K7	270	1554	K7	271
1376	K6	236	1423	K1	212	1468	G3	191	1508	K7	270	1555	K7	271
1377	K5	228	1424	K6	236	1469	K5	228	1509	K7	270	1556	K7	271
1378	K5	228	1425	K1	212	1470	K5	228	1510	K7	270	1557	K7	271
1379	K1	212	1426	K6	236	1471	K5	228	1511	K7	270	1558	K7	271
1380	K6	236	1427	Z2	432	1471-1	K5	228	1512	K7	270	1559	K7	271
1381	K1	212	1428	Z2	432	1472	K5	228	1513	K7	271	1560	K7	271
1382	K6	236	1429	Z2	432	1473	K1	212	1514	K7	271	1561	K7	271
1383	K1	212	1430	K4	226	1474	K1	212	1515	K7	271	1562	K7	271
1384	K6	236	1431	K4	226	1475	L4	299	1516	K7	271	1563	K7	271
1385	K1	212	1432	K4	226	1476	L4	299	1517	K7	271	1564	K7	271
1386	K6	236	1433	B3	55	1477	L4	299	1518	K7	271	1565	K7	272

## CONTENTS (by CNS Number)

CNS no.	Category no.	Page	CNS no.	Category no.	Page	CNS no.	Category no.	Page	CNS no.	Category no.	Page	CNS no.	Category no.	Page
1566	K7	272	1613	K7	272	1660	K7	273	1707	K7	274	1753	K7	275
1567	K7	272	1614	K7	272	1661	K7	273	1708	K7	274	1754	K7	275
1568	K7	272	1615	K7	272	1662	K7	273	1709	K7	274	1755	K7	275
1569	K7	272	1616	K7	272	1663	K7	273	1710	K7	274	1756	K7	275
1570	K7	272	1617	K7	272	1664	K7	273	1711	K7	274	1757	K7	275
1571	K7	272	1618	K7	272	1665	K7	273	1712	K7	274	1758	K7	275
1572	K7	272	1619	K7	272	1666	K7	273	1713	K7	274	1759	K7	275
1573	K7	272	1620	K7	272	1667	K7	273	1714	K7	274	1760	K7	275
1574	K7	272	1621	K7	272	1668	K7	273	1715	K7	274	1761	K7	275
1575	K7	272	1622	K7	272	1669	K7	273	1716	K7	274	1762	K7	275
1576	K7	272	1623	K7	273	1670	K7	273	1717	K7	274	1763	K7	275
1577	K7	272	1624	K7	273	1671	K7	273	1718	K7	274	1764	K7	275
1578	K7	272	1625	K7	273	1672	K7	273	1719	K7	274	1765	K7	275
1579	K7	272	1626	K7	273	1673	K7	273	1720	K7	274	1766	K7	275
1580	K7	272	1627	K7	273	1674	K7	273	1721	K7	274	1767	K7	275
1581	K7	272	1628	K7	273	1675	K7	273	1722	K7	274	1768	K7	275
1582	K7	272	1629	K7	273	1676	K7	273	1723	K7	274	1769	K7	275
1583	K7	272	1630	K7	273	1677	K7	273	1723-1	K7	274	1770	K7	275
1584	K7	272	1631	K7	273	1678	K7	273	1724	K7	274	1771	K7	275
1585	K7	272	1632	K7	273	1679	K7	273	1725	K7	274	1772	K7	275
1586	K7	272	1633	K7	273	1680	K7	273	1726	K7	274	1773	K7	275
1587	K7	272	1634	K7	273	1681	K7	274	1727	K7	274	1774	K7	275
1588	K7	272	1635	K7	273	1682	K7	274	1728	K7	274	1775	K7	275
1589	K7	272	1636	K7	273	1683	K7	274	1729	K7	274	1776	K7	275
1590	K7	272	1637	K7	273	1684	K7	274	1730	K7	274	1777	K7	275
1591	K7	272	1638	K7	273	1685	K7	274	1731	K7	274	1778	K7	275
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1595	K7	272	1642	K7	273	1689	K7	274	1735	K7	274	1782	K7	275
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1600	K7	272	1647	K7	273	1694	K7	274	1740	K7	275	1787	K7	275
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1602	K7	272	1649	K7	273	1696	K7	274	1742	K7	275	1789	K7	275
1603	K7	272	1650	K7	273	1697	K7	274	1743	K7	275	1790	K7	275
1604	K7	272	1651	K7	273	1698	K7	274	1744	K7	275	1791	K7	275
1605	K7	272	1652	K7	273	1699	K7	274	1745	K7	275	1792	K7	275
1606	K7	272	1653	K7	273	1700	K7	274	1746	K7	275	1793	K7	275
1607	K7	272	1654	K7	273	1701	K7	274	1747	K7	275	1794	K7	276
1608	K7	272	1655	K7	273	1702	K7	274	1748	K7	275	1795	K7	276
1609	K7	272	1656	K7	273	1703	K7	274	1749	K7	275	1796	K7	276
1610	K7	272	1657	K7	273	1704	K7	274	1750	K7	275	1797	K7	276
1611	K7	272	1658	K7	273	1705	K7	274	1751	K7	275	1798	K7	276
1612	K7	272	1659	K7	273	1706	K7	274	1752	K7	275	1799	K7	276

## CONTENTS (by CNS Number)

CNS no.	Category no.	Page	CNS no.	Category no.	Page	CNS no.	Category no.	Page	CNS no.	Category no.	Page	CNS no.	Category no.	Page
1800	K7	276	1847	K7	276	1894	K7	277	1941	K7	278	1988	K7	279
1801	K7	276	1848	K7	276	1895	K7	277	1942	K7	278	1989	K7	279
1802	K7	276	1849	K7	276	1896	K7	277	1943	K7	278	1990	K7	279
1803	K7	276	1850	K7	276	1897	K7	277	1944	K7	278	1991	K7	279
1804	K7	276	1851	K7	277	1898	K7	277	1945	K7	278	1992	K7	279
1805	K7	276	1852	K7	277	1899	K7	277	1946	K7	278	1993	K7	279
1806	K7	276	1853	K7	277	1900	K7	277	1947	K7	278	1994	K7	279
1807	K7	276	1854	K7	277	1901	K7	277	1948	K7	278	1995	K7	279
1808	K7	276	1855	K7	277	1902	K7	277	1949	K7	278	1996	K7	279
1809	K7	276	1856	K7	277	1903	K7	277	1950	K7	278	1997	K7	279
1810	K7	276	1857	K7	277	1904	K7	277	1951	K7	278	1998	K7	279
1811	K7	276	1858	K7	277	1905	K7	277	1952	K7	278	1999	K7	279
1812	K7	276	1859	K7	277	1906	K7	277	1953	K7	278	2000	K7	279
1813	K7	276	1860	K7	277	1907	K7	277	1954	K7	278	2001	K7	279
1814	K7	276	1861	K7	277	1908	K7	278	1955	K7	278	2002	K7	279
1815	K7	276	1862	K7	277	1909	K7	278	1956	K7	278	2003	K7	279
1816	K7	276	1863	K7	277	1910	K7	278	1957	K7	278	2004	K7	279
1817	K7	276	1864	K7	277	1911	K7	278	1958	K7	278	2005	K7	279
1818	K7	276	1865	K7	277	1912	K7	278	1959	K7	278	2006	K7	279
1819	K7	276	1866	K7	277	1913	K7	278	1960	K7	278	2007	K7	279
1820	K7	276	1867	K7	277	1914	K7	278	1961	K7	278	2008	K7	279
1821	K7	276	1868	K7	277	1915	K7	278	1962	K7	278	2009	K7	279
1822	K7	276	1869	K7	277	1916	K7	278	1963	K7	278	2010	K7	279
1823	K7	276	1870	K7	277	1917	K7	278	1964	K7	278	2011	K7	279
1824	K7	276	1871	K7	277	1918	K7	278	1965	K7	278	2012	K7	279
1825	K7	276	1872	K7	277	1919	K7	278	1966	K7	279	2013	K7	279
1826	K7	276	1873	K7	277	1920	K7	278	1967	K7	279	2014	K7	279
1827	K7	276	1874	K7	277	1921	K7	278	1968	K7	279	2015	K7	279
1828	K7	276	1875	K7	277	1922	K7	278	1969	K7	279	2016	K7	279
1829	K7	276	1876	K7	277	1923	K7	278	1970	K7	279	2017	K7	279
1830	K7	276	1877	K7	277	1924	K7	278	1971	K7	279	2018	K7	279
1831	K7	276	1878	K7	277	1925	K7	278	1972	K7	279	2019	K7	279
1832	K7	276	1879	K7	277	1926	K7	278	1973	K7	279	2020	K7	279
1833	K7	276	1880	K7	277	1927	K7	278	1974	K7	279	2021	K7	279
1834	K7	276	1881	K7	277	1928	K7	278	1975	K7	279	2022	K7	279
1835	K7	276	1882	K7	277	1929	K7	278	1976	K7	279	2023	K7	280
1836	K7	276	1883	K7	277	1930	K7	278	1977	K7	279	2024	K7	280
1837	K7	276	1884	K7	277	1931	K7	278	1978	K7	279	2025	K7	280
1838	K7	276	1885	K7	277	1932	K7	278	1979	K7	279	2026	K7	280
1839	K7	276	1886	K7	277	1933	K7	278	1980	K7	279	2027	K7	280
1840	K7	276	1887	K7	277	1934	K7	278	1981	K7	279	2028	K7	280
1841	K7	276	1888	K7	277	1935	K7	278	1982	K7	279	2029	K7	280
1842	K7	276	1889	K7	277	1936	K7	278	1983	K7	279	2030	K7	280
1843	K7	276	1890	K7	277	1937	K7	278	1984	K7	279	2031	K7	280
1844	K7	276	1891	K7	277	1938	K7	278	1985	K7	279	2032	K7	280
1845	K7	276	1892	K7	277	1939	K7	278	1986	K7	279	2033	K7	280
1846	K7	276	1893	K7	277	1940	K7	278	1987	K7	279	2034	K7	280

## CONTENTS (by CNS Number)

CNS no.	Category no.	Page	CNS no.	Category no.	Page	CNS no.	Category no.	Page	CNS no.	Category no.	Page	CNS no.	Category no.	Page
2035	K7	280	2081	M1	302	2126	N1	311	2173	N5	322	2220	A2	3
2036	K7	280	2082	M3	304	2127	N1	311	2174	N6	327	2221	A3	10
2037	K7	280	2083	P2	343	2128	N1	311	2175	N5	322	2222	B2	37
2038	K7	280	2084	P3	345	2129	N1	311	2176	R2	353	2223	Z1	430
2039	K7	280	2085	P2	343	2130	N1	311	2177	R3	357	2224	Z1	430
2040	K7	280	2086	P3	345	2131	N1	311	2178	A2	3	2225	C2	86
2041	K7	280	2087	N4	316	2132	N1	311	2179	A2	3	2226	C2	86
2042	K7	280	2088	N1	311	2133	N1	311	2180	Z5	442	2227	C2	86
2043	K7	280	2089	N5	322	2134	N1	311	2181	B7	69	2228	K3	221
2044	K7	280	2090	N1	311	2135	N5	322	2182	C2	86	2228-1	K3	221
2045	K7	280	2091	N1	311	2136	N5	322	2183	C2	86	2228-2	K3	221
2046	K7	280	2092	N1	311	2137	N6	327	2184	C2	86	2228-3	K3	222
2047	K7	280	2093	N1	311	2138	B4	62	2185	C2	86	2229	K6	236
2048	K7	280	2094	N1	311	2139	B1	24	2186	K1	212	2230	K4	226
2049	L4	299	2095	N1	311	2140	B1	24	2187	K6	236	2231	K6	236
2050	L3	291	2096	N1	311	2141	B1	24	2188	K8	283	2232	K3	222
2051	N1	311	2097	N1	311	2142	B1	24	2189	K6	236	2233	K6	236
2052	N5	322	2098	N1	311	2143	B1	24	2190	K1	212	2234	K1	212
2053	P2	343	2099	N1	311	2144	B1	24	2191	K6	236	2235	K1	212
2054	P3	345	2100	N1	311	2145	F3	173	2192	K8	283	2236	K1	212
2055	L3	291	2101	N4	316	2146	C2	86	2193	K6	236	2237	K1	212
2056	G3	191	2102	N5	322	2147	C4	99	2194	K5	229	2238	K1	212
2057	B4	62	2103	N6	327	2148	G3	191	2195	K6	236	2239	K6	236
2058	C7	147	2104	N5	322	2149	G2	183	2196	K4	226	2240	K5	229
2059	C4	99	2105	N6	327	2150	G3	191	2197	K6	236	2241	K6	236
2060	C4	99	2106	N5	322	2151	G2	183	2198	K1	212	2242	N5	322
2061	C4	99	2107	N6	327	2152	G3	191	2199	K1	212	2243	N2	313
2062	C4	99	2108	Z5	442	2153	G2	183	2200	K8	283	2244	N2	313
2063	C2	86	2109	Z6	446	2154	H3	202	2201	K6	236	2245	N4	316
2064	C4	99	2110	Z7	449	2155	K1	212	2202	K1	212	2246	N5	322
2065	G3	191	2111	G2	183	2156	K6	236	2203	K6	236	2247	N5	322
2065-1	G3	191	2112	G2	183	2157	K1	212	2204	L4	299	2248	R3	357
2066	G3	191	2113	Z8	459	2158	K6	236	2205	L4	299	2249	H3	202
2067	G3	191	2113-1	Z8	459	2159	K2	217	2206	L4	299	2250	H2	197
2068	H3	202	2113-2	Z8	459	2160	K2	217	2207	M1	302	2251	H3	202
2069	H2	197	2114	Z8	459	2161	K2	217	2208	N5	322	2252	H2	197
2070	K2	217	2115	Z8	459	2162	K2	217	2209	N6	327	2253	H3	202
2071	K6	236	2116	Z2	432	2163	K2	217	2210	N1	311	2254	H2	197
2072	K1	212	2117	K1	212	2164	K2	217	2211	N1	311	2255	H3	202
2073	K6	236	2118	K6	236	2165	N1	311	2212	N1	311	2256	H2	197
2074	K1	212	2119	N1	311	2166	N4	316	2213	N5	322	2257	H3	202
2075	K6	236	2120	N1	311	2167	N5	322	2214	N6	327	2258	H2	198
2076	K1	212	2121	N1	311	2168	N6	327	2215	O1	339	2259	K5	229
2077	K6	236	2122	N1	311	2169	N5	322	2216	O2	340	2260	K5	229
2078	K5	229	2123	N1	311	2170	N6	327	2217	R2	353	2261	K5	229
2079	L3	291	2124	N1	311	2171	N5	322	2218	R3	357	2262	K5	229
2080	M1	302	2125	N1	311	2172	N6	327	2219	K3	221	2263	K1	212



## CONTENTS (by CNS Number)

CNS no.	Category no.	Page	CNS no.	Category no.	Page	CNS no.	Category no.	Page	CNS no.	Category no.	Page	CNS no.	Category no.	Page
2264	K5	229	2311	Z4	438	2356	C4	99	2402	B4	62	2449	C4	99
2265	K5	229	2312	Z4	438	2357	K1	212	2403	B4	62	2450	C4	99
2266	K5	229	2313	A3	10	2358	K6	236	2404	S1	364	2451	K1	213
2267	S1	364	2314	A2	3	2359	K1	212	2405	K5	229	2452	K6	237
2268	S1	364	2315	A3	10	2360	K6	236	2406	K6	237	2453	K1	213
2269	K6	236	2316	F1	173	2361	K1	212	2407	S1	364	2454	K6	237
2270	N5	322	2317	C7	147	2362	K1	212	2408	K6	237	2455	K1	213
2271	N5	322	2318	C7	147	2363	K1	213	2409	S1	364	2456	K3	222
2272	L3	291	2319	C7	147	2364	K2	217	2410	K2	217	2456-1	K3	222
2273	L3	291	2320	C7	147	2365	K6	236	2411	K6	237	2456-2	K3	222
2274	L3	291	2321	C7	147	2366	K1	213	2412	L4	299	2456-3	K3	222
2275	L3	291	2322	C4	99	2367	K6	237	2413	L4	299	2456-5	K3	222
2276	L3	291	2323	G3	191	2368	K1	213	2414	L4	299	2457	K6	237
2277	L3	291	2324	K5	229	2369	K6	237	2415	M2	302	2458	K3	222
2278	L3	291	2325	K5	229	2370	K1	213	2416	N4	316	2459	K6	237
2279	L3	291	2326	K1	212	2371	K6	237	2417	N6	327	2460	L4	299
2280	L3	291	2327	K1	212	2372	K2	217	2418	N5	323	2461	L3	291
2281	L3	291	2328	K1	212	2373	K6	237	2419	N5	323	2462	L3	291
2282	L3	291	2329	K1	212	2374	L4	299	2420	N6	327	2463	S1	364
2283	L4	299	2330	K1	212	2375	L4	299	2421	N5	323	2464	S1	364
2284	L3	291	2331	K6	236	2376	L4	299	2422	N6	327	2465	A3	10
2285	L4	299	2332	K6	236	2377	N5	323	2423	N1	312	2466	A2	3
2286	N2	313	2333	N6	327	2378	N1	311	2424	N1	312	2467	B7	69
2287	N2	313	2334	K3	222	2379	N5	323	2425	N1	312	2468	B1	24
2288	N2	313	2335	K6	236	2380	P2	343	2426	N1	312	2469	B7	69
2289	N2	313	2336	L1	288	2381	P2	343	2427	N1	312	2470	B7	69
2290	N2	313	2337	L1	288	2381-1	P2	343	2428	N1	312	2471	C4	99
2291	N2	313	2338	L3	291	2382	P2	343	2429	N1	312	2472	G3	191
2292	N2	313	2339	L3	291	2383	P2	343	2430	N1	312	2473	G3	191
2293	N2	313	2339-1	L3	291	2384	P2	343	2431	N1	312	2474	H3	202
2294	N2	313	2339-2	L3	291	2385	P2	343	2432	N1	312	2475	H3	202
2295	N2	313	2340	L3	291	2386	P2	343	2433	N1	312	2476	K2	217
2296	N2	313	2341	N5	323	2387	P3	345	2434	N5	323	2477	S1	364
2297	N2	313	2342	N5	323	2388	P3	345	2435	N5	323	2478	K6	237
2298	N5	322	2343	N5	323	2389	Z5	442	2436	N4	316	2479	K1	213
2299	N6	327	2344	N5	323	2390	P2	343	2437	N4	316	2480	K6	237
2300	N5	322	2345	N5	323	2391	P2	343	2438	N4	316	2481	K1	213
2301	N6	327	2346	N5	323	2392	R2	353	2439	N4	316	2482	K6	237
2302	O1	339	2347	N5	323	2393	R3	357	2440	P2	343	2483	K1	213
2303	O2	340	2348	N5	323	2394	R2	353	2441	R2	353	2484	K6	237
2304	P2	343	2349	N1	311	2395	Z7	449	2442	R2	353	2485	K6	237
2305	P2	343	2350	N1	311	2396	Z2	432	2443	Z5	442	2486	K6	237
2306	R2	353	2351	N5	323	2397	Z2	432	2444	Z5	443	2487	K6	237
2307	Z7	449	2352	R2	353	2398	Z2	432	2445	Z6	446	2488	K6	237
2308	S1	364	2353	R2	353	2399	Z7	449	2446	S1	364	2489	K6	237
2309	Z7	449	2354	Z5	442	2400	Z5	442	2447	S1	364	2490	K6	237
2310	Z5	442	2355	C4	99	2401	Z6	446	2448	B5	64	2491	K6	237

## CONTENTS (by CNS Number)

CNS no.	Category no.	Page	CNS no.	Category no.	Page	CNS no.	Category no.	Page	CNS no.	Category no.	Page	CNS no.	Category no.	Page
2492	K6	237	2539	N5	323	2586	D2	159	2632	K6	237	2679	K6	238
2493	K6	237	2540	N5	323	2587	K1	213	2633	K6	237	2680	K1	213
2494	K6	237	2541	R2	353	2588	K1	213	2634	K6	238	2681	K6	238
2495	K6	237	2542	Z5	443	2589	K1	213	2635	K6	238	2682	K5	229
2496	K6	237	2543	Z6	446	2590	K5	229	2636	S1	364	2683	K5	229
2497	K6	237	2544	Z6	446	2591	K6	237	2637	L4	299	2684	L4	299
2498	K6	237	2545	S1	364	2592	K6	237	2638	L3	292	2685	L3	292
2499	K6	237	2546	C7	147	2593	N2	313	2639	L4	299	2686	L4	299
2500	K6	237	2547	C4	99	2594	N2	313	2640	L4	299	2687	L3	292
2501	K6	237	2548	C2	86	2595	N2	313	2641	L3	292	2688	L4	299
2502	Z1	430	2549	C2	86	2596	N3	314	2642	M1	302	2689	L3	292
2503	L4	299	2550	H3	202	2597	P2	343	2643	M1	302	2690	L3	292
2504	L3	291	2551	K6	237	2598	Z7	449	2644	M1	302	2691	B3	55
2505	L4	299	2552	K8	283	2599	S1	364	2645	P3	345	2692	B3	55
2506	L3	291	2553	K6	237	2600	S1	364	2646	P2	343	2693	B3	55
2507	M3	304	2554	K1	213	2601	S1	364	2647	Z7	449	2694	S1	364
2508	M1	302	2555	K6	237	2602	A2	3	2648	Z8	459	2695	B4	62
2509	N5	323	2556	K1	213	2603	C4	99	2649	S1	364	2696	B7	69
2510	N1	312	2557	K6	237	2604	C3	92	2650	Z1	430	2697	B7	69
2511	N4	316	2558	K5	229	2604-1	C3	92	2651	Z5	443	2698	C2	86
2512	P3	345	2559	S1	364	2605	C7	147	2652	Z3	437	2699	G3	191
2513	P3	345	2560	S2	371	2606	C4	99	2653	B7	69	2700	F1	173
2514	P3	345	2561	K1	213	2607	C4	99	2654	C4	99	2701	H3	202
2515	Z7	449	2562	L4	299	2608	G2	183	2655	C2	86	2702	H3	202
2516	Z7	449	2563	L4	299	2609	H3	202	2656	C6	129	2703	K2	217
2517	Z2	432	2564	L4	299	2610	K1	213	2657	C4	99	2704	K6	238
2518	C4	99	2565	L4	299	2611	K6	237	2658	C4	99	2705	K6	238
2519	E1	169	2566	L4	299	2612	K1	213	2659	C1	80	2706	K3	222
2520	G3	191	2567	L3	291	2613	K6	237	2660	C4	99	2707	L4	299
2521	Z7	449	2568	L4	299	2614	K1	213	2661	C4	99	2708	L4	299
2522	Z2	432	2569	L3	291	2615	K6	237	2662	C4	99	2709	L3	292
2523	K1	213	2570	N1	312	2616	K1	213	2663	C4	99	2710	N2	313
2524	K6	237	2571	Z1	430	2617	K1	213	2664	E1	169	2711	N2	313
2525	K1	213	2572	Z7	449	2618	K6	237	2665	E1	169	2712	N4	316
2526	K1	213	2573	Z7	449	2619	K1	213	2666	G3	191	2713	N4	316
2527	K6	237	2574	Z5	443	2620	K6	237	2667	G3	191	2714	N1	312
2528	K1	213	2575	Z6	446	2621	K1	213	2668	G3	191	2715	O1	339
2529	K1	213	2576	Z6	446	2622	K6	237	2669	G3	191	2716	O1	339
2530	K5	229	2577	Z6	446	2623	K1	213	2670	G3	191	2717	O2	340
2531	K6	237	2578	Z6	446	2624	K6	237	2671	G3	191	2718	P2	343
2532	S1	364	2579	Z4	438	2625	K2	217	2672	G3	191	2719	P2	343
2533	K4	226	2580	Z4	438	2626	K2	217	2673	G3	191	2720	P3	345
2534	K6	237	2581	B5	64	2627	K2	217	2674	H3	202	2721	P3	345
2535	K3	222	2582	B5	64	2628	K2	217	2675	H3	202	2722	Z7	449
2536	K6	237	2583	B5	64	2629	K6	242	2676	K3	222	2723	Z8	459
2537	L1	288	2584	B5	64	2630	S1	364	2677	K3	222	2724	B5	64
2538	N5	323	2585	B5	64	2631	K1	213	2678	K1	213	2725	B4	62

## CONTENTS (by CNS Number)

CNS no.	Category no.	Page	CNS no.	Category no.	Page	CNS no.	Category no.	Page	CNS no.	Category no.	Page	CNS no.	Category no.	Page
2726	B7	69	2770-3	N4	316	2797	B5	65	2844	S1	364	2879	N5	323
2727	C2	86	2770-4	N4	316	2798	B5	65	2845	S1	365	2880	N1	312
2728	C2	87	2770-5	N4	316	2799	B5	65	2846	S1	365	2881	N1	312
2729	C4	99	2770-6	N4	316	2800	G1	182	2847	S1	365	2882	N1	312
2730	C4	99	2770-7	N4	316	2801	C1	80	2848	S1	365	2883	N2	313
2731	D3	163	2770-8	N4	316	2802	C3	92	2849	S1	365	2884	N2	313
2732	D1	156	2770-9	N4	316	2803	C4	99	2850	S1	365	2885	R3	357
2733	D3	163	2770-10	N4	316	2804	C4	99	2851	S1	365	2886	R3	357
2734	D3	163	2770-11	N4	316	2805	C4	99	2852	S1	365	2887	R3	357
2735	D3	163	2770-12	N4	316	2806	C4	99	2853	S1	365	2888	R3	357
2736	D3	163	2770-13	N4	316	2807	C7	147	2854	S1	365	2889	R3	357
2737	D3	163	2770-14	N4	316	2808	C6	129	2855	S1	365	2890	R3	357
2738	D3	163	2770-15	N4	316	2809	K2	217	2856	S1	365	2891	R3	357
2739	D3	163	2770-16	N4	316	2810	K6	238	2857	A1	1	2892	R3	357
2740	D3	163	2770-17	N4	316	2811	L4	299	2858	B5	65	2893	R3	357
2741	D3	163	2770-18	N4	316	2812	N5	323	2859	B5	65	2894	R3	357
2742	D3	163	2770-19	N4	316	2813	N6	327	2860	B5	65	2895	R2	353
2743	D3	163	2770-20	N4	316	2814	N5	323	2861	B2	37	2896	N6	327
2744	D3	163	2770-21	N4	316	2815	N5	323	2862	B2	37	2897	C4	99
2745	D3	163	2770-22	N4	316	2816	N5	323	2863	B7	69	2898	C4	99
2746	K1	213	2771	N5	323	2817	N1	312	2864	B2	37	2899	C2	87
2747	K6	238	2772	N5	323	2818	N1	312	2865	B7	69	2900	C2	87
2748	K6	238	2773	Z5	443	2819	N1	312	2866	B7	69	2901	C4	99
2749	K6	238	2774	P2	343	2820	N1	312	2867	M2	302	2902	C4	99
2750	K6	238	2775	P2	343	2821	N1	312	2867-1	M2	302	2903	C4	99
2751	K6	238	2776	P2	343	2822	N1	312	2867-2	M2	302	2904	G3	191
2752	K6	238	2777	A2	3	2823	N2	313	2867-3	M2	302	2905	G3	191
2753	K6	238	2778	A3	10	2824	N1	312	2867-4	M2	302	2906	G3	191
2754	K6	238	2779	Z4	438	2825	N1	312	2867-5	M2	302	2907	G3	191
2755	K6	238	2779-1	Z4	438	2826	N4	317	2867-6	M2	302	2908	G2	183
2756	K6	238	2780	B7	69	2827	Z7	449	2867-7	M2	302	2909	G1	182
2757	K6	238	2781	B5	64	2828	Z7	449	2867-8	M2	302	2910	G2	183
2758	K6	238	2782	B5	64	2829	Z7	449	2867-9	M2	302	2911	G2	183
2759	K6	238	2783	B5	64	2830	Z7	449	2867-10	M2	302	2912	H3	202
2760	K6	238	2784	B5	64	2831	C4	99	2867-11	M2	303	2913	K6	238
2761	K6	238	2785	C4	99	2832	N5	323	2867-12	M2	303	2914	K6	238
2762	K6	238	2786	C4	99	2833	S1	364	2868	G1	182	2915	K6	238
2763	K6	238	2787	E1	169	2834	S1	364	2869	B2	37	2916	K1	213
2764	M2	302	2788	E1	169	2835	S1	364	2870	O1	339	2917	K6	238
2765	M2	302	2789	K1	213	2836	S1	364	2871	O1	339	2918	K1	213
2766	M2	302	2790	K6	238	2837	S1	364	2872	N1	312	2919	K6	238
2767	M3	304	2791	K1	213	2838	S1	364	2873	N1	312	2920	P2	343
2768	L4	299	2792	K6	238	2839	S1	364	2874	N5	323	2921	N5	323
2769	L3	292	2793	N1	312	2840	S1	364	2875	N5	323	2922	N5	323
2770	N4	316	2794	B5	64	2841	S1	364	2876	N1	312	2923	N6	327
2770-1	N4	316	2795	B5	65	2842	S1	364	2877	N5	323	2924	R3	357
2770-2	N4	316	2796	B5	65	2843	S1	364	2878	N5	323	2925	Z4	438

## CONTENTS (by CNS Number)

CNS no.	Category no.	Page	CNS no.	Category no.	Page	CNS no.	Category no.	Page	CNS no.	Category no.	Page	CNS no.	Category no.	Page
2926	C4	100	2973	K5	229	3020	K6	238	3067	C7	147	3113	D3	163
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2928	B4	62	2975	K5	229	3022	K6	238	3069	C7	147	3115	K1	213
2929	B5	65	2976	K5	229	3023	K5	229	3070	C4	100	3116	K6	239
2930	C4	100	2977	K5	229	3024	K6	238	3071	C1	80	3117	K1	213
2931	C4	100	2978	K5	229	3025	K5	229	3072	K1	213	3118	S1	365
2932	C4	100	2979	K5	229	3026	N4	317	3073	K6	238	3119	S1	365
2933	C4	100	2980	K5	229	3027	N2	313	3074	K1	213	3120	B2	37
2934	C4	100	2981	K5	229	3028	S1	365	3075	K6	238	3121	B2	37
2935	D2	159	2982	K5	229	3029	Z7	449	3076	N3	314	3122	B2	37
2936	G3	191	2983	K1	213	3030	Z7	449	3077	N4	317	3123	B2	37
2937	G3	191	2984	S1	365	3031	Z7	449	3078	Z2	432	3124	B2	37
2938	G3	191	2985	K3	222	3032	Z5	443	3079	Z2	432	3125	B2	37
2939	K3	222	2986	K6	238	3033	G2	183	3080	N4	317	3126	B1	24
2940	K6	238	2987	K3	222	3034	G2	183	3081	K6	239	3127	B2	37
2941	M2	303	2988	K6	238	3035	A1	1	3082	K1	213	3128	B2	37
2942	M3	304	2989	K1	213	3036	A2	3	3083	N4	317	3129	B2	37
2943	B5	65	2990	K6	238	3037	A2	3	3084	O2	340	3129-1	B2	37
2944	C4	100	2991	K6	238	3038	B7	69	3085	O2	340	3129-2	B2	37
2945	D2	159	2992	N6	327	3039	B5	65	3086	P3	345	3130	B2	37
2946	D3	163	2993	N5	323	3040	B5	65	3086-1	P3	345	3131	B2	37
2947	G3	191	2994	Z7	449	3041	B5	65	3087	L4	299	3132	B2	37
2948	K2	217	2995	S2	371	3042	B5	65	3088	S1	365	3133	B2	37
2949	K2	217	2996	S1	365	3043	C4	100	3089	S1	365	3134	B2	37
2950	K1	213	2997	S1	365	3044	H3	203	3090	A2	3	3135	B2	37
2951	N1	312	2998	S1	365	3045	H2	198	3091	A2	3	3136	B2	37
2952	P3	345	2999	Z6	446	3046	K1	213	3092	A2	3	3137	B2	37
2953	P3	345	3000	O1	339	3047	Z2	432	3093	B3	55	3138	B1	24
2954	P2	344	3001	A2	3	3048	Z2	432	3094	B3	55	3139	K1	213
2955	P2	344	3002	B4	62	3049	N5	323	3095	B3	55	3140	K6	239
2956	P3	345	3003	B4	62	3050	N6	327	3096	B3	55	3141	K4	226
2957	Z7	449	3004	F1	173	3051	K6	238	3097	B3	55	3142	K3	222
2958	B5	65	3005	B7	69	3052	L3	292	3098	B3	55	3142-1	K3	222
2959	B4	62	3006	B3	55	3053	N1	312	3099	B3	55	3142-2	K3	222
2960	C4	100	3007	B3	55	3054	N2	313	3100	B3	55	3143	K6	239
2961	C3	92	3008	B3	55	3055	N5	323	3101	S1	365	3144	K3	222
2962	C4	100	3009	C7	147	3056	N5	323	3102	D2	159	3145	K6	239
2963	C3	92	3010	C7	147	3057	N5	323	3103	D3	163	3146	P2	344
2964	G3	191	3011	D2	159	3058	N5	323	3104	D1	156	3147	R2	353
2965	G3	191	3012	D2	159	3059	R2	353	3105	D3	163	3148	Z5	443
2966	H3	202	3013	G1	182	3060	R2	353	3106	D3	163	3149	Z4	438
2967	H2	198	3014	G3	191	3061	R2	353	3107	D3	163	3150	B3	56
2968	H3	203	3015	K1	213	3062	R2	353	3108	D3	163	3151	B3	56
2969	K5	229	3016	K6	238	3063	R2	353	3109	N2	313	3152	B3	56
2970	K5	229	3017	K1	213	3064	F2	173	3110	D3	163	3153	B3	56
2971	K5	229	3018	K6	238	3065	R2	353	3111	D3	163	3154	B3	56
2972	K5	229	3019	K1	213	3066	Z7	449	3112	D3	163	3155	B3	56

## CONTENTS (by CNS Number)

CNS no.	Category no.	Page	CNS no.	Category no.	Page	CNS no.	Category no.	Page	CNS no.	Category no.	Page	CNS no.	Category no.	Page
3156	B3	56	3203	C4	100	3243	R3	358	3290	G3	192	3324	R2	353
3157	B7	69	3204	C3	92	3244	R3	358	3291	G3	192	3325	R2	353
3158	G1	182	3205	C2	87	3245	R3	358	3292	G3	192	3326	Z1	430
3159	G3	191	3206	C2	87	3246	R3	358	3293	K3	222	3327	Z6	446
3160	H3	203	3207	C2	87	3247	Z5	443	3294	K6	239	3328	Z7	450
3161	H2	198	3208	C7	147	3248	Z5	443	3295	K3	222	3329	C4	100
3162	H2	198	3209	C6	129	3249	Z3	437	3296	K6	239	3330	C4	100
3163	K8	283	3210	C4	100	3250	Z7	450	3297	K2	217	3331	G3	192
3164	K1	213	3211	D2	159	3251	Z7	450	3298	R2	353	3332	G3	192
3165	K1	213	3212	K8	283	3252	B4	62	3299	R3	358	3333	H3	203
3166	K1	213	3213	K6	239	3253	N2	313	3299-1	R3	358	3334	H3	203
3167	K1	213	3214	K1	214	3254	B4	62	3299-2	R3	358	3335	K1	214
3168	K1	213	3215	K6	239	3255	B4	62	3299-3	R3	358	3336	K6	239
3169	K6	239	3216	K3	222	3256	C4	100	3299-4	R3	358	3337	K1	214
3170	K1	213	3217	K6	239	3257	C3	92	3299-5	R3	358	3338	K6	239
3171	K1	213	3218	N6	327	3258	C4	100	3299-6	R3	358	3339	K1	214
3172	K6	239	3219	O1	339	3259	C6	129	3299-7	R3	358	3340	K6	239
3173	M2	303	3220	R2	353	3260	C7	147	3299-8	R3	358	3341	K1	214
3174	M2	303	3220-1	R2	353	3261	C4	100	3299-9	R3	358	3342	K1	214
3175	M2	303	3220-2	R2	353	3262	C2	87	3299-10	R3	358	3343	K6	239
3176	B4	62	3220-3	R2	353	3263	C3	92	3299-11	R3	358	3344	L3	292
3177	K1	214	3220-4	R2	353	3264	C4	100	3299-12	R3	358	3345	M1	302
3178	K6	239	3220-5	R2	353	3265	C4	100	3299-13	R3	358	3346	M1	302
3179	K1	214	3220-6	R2	353	3266	C4	100	3300	A2	3	3347	Z6	446
3180	K6	239	3220-7	R2	353	3267	Z3	437	3301	C2	87	3348	N5	323
3181	K1	214	3221	R3	358	3268	E1	169	3302	N2	313	3349	N6	327
3182	K6	239	3222	Z4	438	3269	G3	191	3303	B3	56	3350	N5	323
3183	K6	239	3223	Z5	443	3270	G3	192	3304	F1	173	3351	N6	327
3184	N5	323	3224	B3	56	3271	G3	192	3305	B4	62	3352	N4	317
3185	N5	323	3225	C4	100	3272	K3	222	3306	C7	147	3353	N4	317
3186	N2	313	3226	C3	92	3273	K6	239	3307	C3	92	3354	N4	317
3187	R3	357	3227	C4	100	3274	K6	239	3308	K3	222	3355	N4	317
3188	R3	357	3228	C4	100	3275	K6	239	3309	K6	239	3356	N4	317
3189	R3	357	3229	G3	191	3276	K6	239	3310	K3	222	3357	N4	317
3190	R3	358	3230	G3	191	3277	K6	239	3311	K6	239	3358	N4	317
3191	R3	358	3231	G3	191	3278	K6	239	3312	K6	239	3359	N4	317
3192	Z5	443	3232	H3	203	3279	K6	239	3313	K6	239	3360	N4	317
3193	Z7	450	3233	K2	217	3280	K6	239	3314	N5	323	3361	N4	317
3194	B5	65	3234	K6	239	3281	K4	226	3315	N1	312	3362	R2	353
3195	B5	65	3235	K6	239	3282	N5	323	3316	N1	312	3363	Z5	443
3196	B4	62	3236	K6	239	3283	S1	365	3317	N1	312	3364	Z1	430
3197	B4	62	3237	K6	239	3284	L4	299	3318	P3	345	3365	Z5	443
3198	G3	191	3238	K1	214	3285	M2	303	3319	R2	353	3366	Z6	446
3199	C2	87	3239	Z2	432	3286	N5	323	3320	R2	353	3367	N5	324
3200	C4	100	3240	L4	299	3287	N4	317	3321	R2	353	3368	N5	323
3201	C3	92	3241	P2	344	3288	R2	353	3322	R2	353	3369	B2	37
3202	C1	80	3242	R2	353	3289	R3	358	3323	R2	353	3370	B2	37

## CONTENTS (by CNS Number)

CNS no.	Category no.	Page	CNS no.	Category no.	Page	CNS no.	Category no.	Page	CNS no.	Category no.	Page	CNS no.	Category no.	Page
3371	B3	56	3399	K6	240	3446	N6	327	3493	N4	317	3539	A1	1
3372	B3	56	3400	N2	313	3447	N6	327	3494	N2	313	3540	B1	24
3373	B3	56	3401	N2	313	3448	N6	327	3495	N5	323	3541	B6	66
3374	B7	69	3402	P1	343	3449	N6	327	3496	N1	312	3542	B2	38
3375	C4	100	3403	P1	343	3450	N6	327	3497	N5	323	3543	C3	92
3376	C1	80	3404	N4	317	3451	N6	328	3498	P2	344	3544	C7	147
3376-0	C1	80	3405	S1	365	3452	N6	328	3499	P2	344	3545	C6	129
3376-1	C1	80	3406	Z3	437	3453	N6	328	3500	P3	345	3546	C7	147
3376-2	C1	80	3407	Z3	437	3454	N6	328	3501	P2	344	3547	H3	203
3376-4	C1	80	3408	A3	10	3455	N6	328	3502	R2	353	3548	K8	283
3376-5	C1	81	3409	B3	56	3456	N5	323	3503	R3	358	3549	K6	240
3376-6	C1	81	3410	B3	56	3457	P2	344	3504	Z2	432	3550	K4	226
3376-7	C1	81	3411	B3	56	3458	R3	358	3505	Z7	450	3551	K6	240
3376-10	C1	81	3412	B2	37	3459	R2	353	3506	Z7	450	3552	K6	240
3376-10-2	C1	81	3413	B3	56	3460	S1	365	3507	Z7	450	3553	K6	240
3376-11	C1	81	3414	B3	56	3461	S1	365	3508	Z8	459	3554	K6	240
3376-12	C1	81	3415	Z1	430	3462	S1	365	3509	Z7	450	3555	K6	240
3376-13	C1	81	3416	Z1	430	3463	Z7	450	3510	Z7	450	3556	K6	240
3376-14	C1	81	3417	Z1	430	3464	Z8	459	3510-1	Z7	450	3557	K6	240
3376-15	C1	81	3418	Z1	430	3465	Z5	443	3511	Z6	446	3558	K6	240
3376-16	C1	81	3419	Z1	430	3466	Z3	437	3512	Z8	459	3559	K6	240
3376-17	C1	81	3420	Z1	430	3467	B5	65	3513	B3	56	3560	K6	240
3376-18	C1	81	3421	Z1	430	3468	B3	56	3514	Z3	437	3561	K6	240
3376-19	C1	81	3422	C4	100	3469	B3	56	3515	B2	38	3562	K6	240
3376-20	C1	81	3423	C4	100	3470	B7	69	3516	C7	147	3563	K6	240
3377	C1	81	3424	C4	100	3471	C2	87	3517	K6	240	3564	K6	240
3378	M3	304	3425	C4	100	3472	D2	159	3518	K6	240	3564-1	K6	240
3379	G3	192	3426	C4	100	3473	D2	159	3519	K8	283	3564-2	K6	240
3380	K1	214	3427	C4	100	3474	D2	159	3520	L4	299	3564-3	K6	240
3381	K6	239	3428	C4	100	3475	G3	192	3521	L3	292	3564-4	K6	240
3382	K6	239	3429	C4	100	3476	G3	192	3522	L1	288	3565	K6	240
3383	K6	239	3430	C4	100	3477	G3	192	3523	Z5	443	3566	K6	240
3384	K6	239	3431	C3	92	3478	S1	365	3524	M2	303	3567	K6	240
3385	K6	239	3432	C6	129	3479	K6	240	3525	M2	303	3568	K6	240
3386	K6	239	3433	C5	124	3480	K1	214	3526	N5	323	3569	K6	240
3387	K6	239	3434	C4	100	3481	K6	240	3527	N5	323	3570	K6	240
3388	K6	239	3435	H3	203	3482	K6	240	3528	N6	328	3571	K6	241
3389	K6	239	3436	N3	314	3483	K6	240	3529	Z5	443	3572	K6	241
3390	K6	239	3437	N4	317	3484	K6	240	3530	Z5	443	3573	K6	241
3391	K6	240	3438	N5	323	3485	S1	365	3531	Z5	443	3574	K6	241
3392	Z3	437	3439	N5	323	3486	L4	299	3532	Z5	443	3575	K6	241
3393	L4	299	3440	N6	327	3487	L4	299	3533	Z5	443	3576	K6	241
3394	L3	292	3441	N6	327	3488	L4	299	3534	Z6	446	3577	K6	241
3395	K1	214	3442	N6	327	3489	L4	299	3535	Z5	443	3578	K6	241
3396	K6	240	3443	N6	327	3490	L3	292	3536	Z5	443	3579	L4	299
3397	K1	214	3444	N6	327	3491	N4	317	3537	A1	1	3580	Z3	437
3398	K6	240	3445	N6	327	3492	N4	317	3538	A1	1	3581	Z3	437

## CONTENTS (by CNS Number)

CNS no.	Category no.	Page	CNS no.	Category no.	Page	CNS no.	Category no.	Page	CNS no.	Category no.	Page	CNS no.	Category no.	Page
3582	Z2	432	3629	C6	130	3676	L4	299	3723	N6	328	3764	A3	10
3583	N5	323	3630	C6	130	3677	L4	299	3724	N2	313	3765	C4	100
3584	N6	328	3631	C6	130	3678	L4	299	3725	R2	354	3765-2	C4	100
3585	N2	313	3632	C6	130	3679	L3	292	3726	K1	214	3765-3	C4	100
3586	R2	353	3633	C6	130	3680	M2	303	3727	K6	241	3765-4	C4	100
3587	R3	358	3634	C6	130	3681	M3	304	3728	L4	299	3765-5	C4	100
3588	R2	353	3635	C6	130	3682	N4	317	3729	L3	292	3765-6	C4	100
3589	R2	353	3636	H3	203	3683	N5	323	3730	N2	313	3765-7	C4	101
3590	R3	358	3637	K3	222	3684	N1	312	3731	N2	313	3765-8	C4	101
3591	Z3	437	3638	Z2	432	3685	P3	345	3732	N5	323	3765-9	C4	101
3592	Z7	450	3639	N6	328	3686	P3	345	3733	N5	324	3765-10	C4	101
3593	Z8	459	3640	N6	328	3687	P3	345	3734	K8	283	3765-11	C4	101
3594	B1	24	3641	N6	328	3688	Z5	443	3735	S1	365	3765-12	C4	101
3595	B1	24	3642	N6	328	3689	Z7	450	3736	N6	328	3765-13	C4	101
3596	B1	24	3643	N6	328	3690	Z3	437	3737	C4	100	3765-14	C4	101
3597	B3	56	3644	N6	328	3691	A2	3	3738	C6	130	3765-15	C4	101
3598	B3	56	3645	N6	328	3692	C4	100	3739	C6	130	3765-21	C4	101
3599	B3	56	3646	N6	328	3693	C4	100	3740	C2	87	3765-23	C4	101
3600	B3	56	3647	N6	328	3694	C5	124	3741	C3	92	3765-24	C4	101
3601	B3	56	3648	N6	328	3695	C5	124	3742	Z5	443	3765-25	C4	101
3602	B3	56	3649	N6	328	3696	G3	192	3743	Z5	443	3765-28	C4	101
3603	B3	56	3650	N6	328	3697	G3	192	3744	Z5	443	3765-29	C4	101
3604	B3	56	3651	N6	328	3698	K5	229	3745	Z5	443	3765-30	C4	101
3605	B3	56	3652	N6	328	3699	K1	214	3746	Z5	443	3765-31	C4	101
3606	B3	56	3653	N6	328	3700	K1	214	3746-1	Z5	443	3765-32	C4	101
3607	B3	56	3654	R2	354	3701	K1	214	3746-2	Z5	443	3765-34	C4	101
3608	B3	56	3655	R2	354	3702	K1	214	3746-3	Z5	443	3765-35	C4	101
3609	B3	56	3656	R3	358	3703	K1	214	3746-4	Z5	443	3765-36	C4	101
3610	B3	56	3657	R2	354	3704	K6	241	3746-5	Z5	443	3765-39	C4	101
3611	B3	56	3658	Z1	430	3705	N3	314	3747	Z5	443	3765-40	C4	101
3612	B3	56	3659	B3	56	3706	K4	226	3748	P2	344	3765-41	C4	101
3613	B3	56	3660	S1	365	3707	K3	222	3748-1	P2	344	3765-42	C4	101
3614	B3	56	3661	B7	69	3708	N2	313	3749	P2	344	3765-43	C4	102
3615	B7	69	3662	B7	69	3709	N2	313	3750	K9	284	3765-51	C4	102
3616	B2	38	3663	C1	81	3710	Z7	450	3751	K9	284	3765-52	C4	102
3617	B3	56	3664	C7	147	3711	Z8	459	3752	K9	284	3765-53	C4	102
3618	C4	100	3665	C5	124	3712	Z8	459	3753	K1	214	3765-55	C4	102
3619	C2	87	3666	G1	182	3713	L4	299	3754	K6	241	3765-59	C4	102
3620	C1	81	3667	H3	203	3714	C4	100	3755	K6	241	3765-60	C4	102
3621	C1	81	3668	K4	226	3715	C4	100	3756	N5	324	3765-61	C4	102
3622	C6	129	3669	K4	226	3716	K1	214	3757	N5	324	3765-65	C4	102
3623	C6	130	3670	K4	226	3717	K6	241	3758	N5	324	3765-66	C4	102
3624	C6	130	3671	K4	226	3718	K1	214	3759	L4	299	3765-73	C4	102
3625	C6	130	3672	K4	226	3719	K1	214	3760	L3	292	3765-74	C4	102
3626	C6	130	3673	K4	226	3720	K1	214	3761	N6	328	3765-75	C4	102
3627	C6	130	3674	K4	226	3721	K6	241	3762	K6	241	3765-78	C4	102
3628	C6	130	3675	K4	226	3722	N6	328	3763	A2	3	3765-79	C4	102

## CONTENTS (by CNS Number)

CNS no.	Category no.	Page	CNS no.	Category no.	Page	CNS no.	Category no.	Page	CNS no.	Category no.	Page	CNS no.	Category no.	Page
3765-80	C4	102	3809	F3	173	3856	L4	300	3903	A3	10	3950	K1	214
3765-81	C4	102	3810	F3	173	3857	N5	324	3904	A3	10	3951	K6	241
3765-84	C4	102	3811	F3	173	3858	Z7	450	3905	A2	3	3952	K2	217
3765-90	C4	102	3812	F3	173	3859	Z7	450	3906	A2	3	3953	K6	241
3766	C4	102	3813	F3	173	3860	Z7	450	3907	C3	92	3954	L4	300
3767	C7	147	3814	F3	173	3861	Z8	459	3908	C3	92	3955	L3	292
3768	C5	124	3815	F3	173	3862	S1	365	3909	C3	92	3956	L4	300
3769	C6	130	3816	F3	173	3863	S1	365	3910	C4	102	3957	L3	292
3770	C5	124	3817	F3	173	3864	B7	69	3911	C3	92	3958	L3	292
3771	C6	130	3818	J1	206	3865	B7	69	3912	F3	173	3959	N2	313
3772	C5	124	3819	J1	206	3866	B7	69	3913	F1	173	3960	N3	314
3773	C5	124	3820	J1	206	3867	B7	69	3914	F1	173	3961	Z6	446
3774	C6	130	3821	J1	206	3868	B7	69	3915	G2	183	3962	N6	328
3775	K6	241	3822	K9	284	3869	B7	70	3916	K9	284	3963	N5	324
3776	K6	241	3823	K9	284	3870	B7	70	3917	K9	284	3964	N6	328
3777	K6	241	3824	G3	192	3871	B7	70	3918	K3	222	3965	R2	354
3778	K1	214	3825	G2	183	3872	B7	70	3919	K5	229	3966	R2	354
3779	K6	241	3826	G3	192	3873	B7	70	3920	K6	241	3967	R2	354
3780	G3	192	3827	G3	192	3874	B7	70	3921	K2	217	3968	R1	352
3781	G2	183	3828	G3	192	3875	B7	70	3922	K6	241	3969	R1	352
3782	G3	192	3829	G2	183	3876	B7	70	3923	K1	214	3970	R1	352
3783	G2	183	3830	G3	192	3877	B7	70	3924	N2	313	3971	R1	352
3784	G3	192	3831	G2	183	3878	B7	70	3925	N5	324	3972	D2	159
3785	G2	183	3832	G3	192	3879	B7	70	3926	Z7	450	3973	D3	163
3786	R3	358	3833	G3	192	3880	B7	70	3927	Z7	450	3974	B3	56
3787	R2	354	3834	G3	192	3881	B7	70	3928	A2	3	3975	B3	56
3788	R2	354	3835	K2	217	3882	B7	70	3929	A3	10	3976	B3	56
3789	R2	354	3836	K6	241	3883	B7	70	3930	A2	3	3977	B3	56
3790	R2	354	3837	K2	217	3884	B7	70	3931	A3	10	3978	B3	56
3791	N6	328	3838	K6	241	3885	B7	70	3932	B2	38	3979	B3	56
3792	K9	284	3839	L1	288	3886	B7	70	3933	B7	70	3980	B3	56
3793	K9	284	3840	L1	288	3887	B7	70	3934	B2	38	3981	B1	24
3794	K9	284	3841	L1	288	3888	C3	92	3935	B7	70	3982	B2	38
3795	K9	284	3842	L2	289	3889	C3	92	3936	C6	130	3983	B7	70
3796	K9	284	3843	L2	289	3890	C3	92	3937	F3	173	3984	C3	92
3797	K9	284	3844	L1	288	3891	C3	92	3938	F1	173	3985	C3	92
3798	K9	284	3845	L3	292	3892	G3	192	3939	G2	183	3986	C3	92
3799	Z7	450	3846	L3	292	3893	G2	183	3940	G2	183	3987	C3	92
3800	S1	365	3847	L1	288	3894	K6	241	3941	G2	183	3988	C1	81
3801	A3	10	3848	L1	288	3895	K3	222	3942	K9	284	3989	C1	81
3802	A2	3	3849	L1	288	3896	K6	241	3943	K9	284	3990	C4	102
3803	A2	3	3850	L1	288	3897	M1	302	3944	K9	284	3991	C3	93
3804	A3	10	3851	L1	288	3898	N5	324	3945	K2	217	3992	C4	102
3805	C4	102	3852	L1	288	3899	N5	324	3946	K6	241	3993	C3	93
3806	C3	92	3853	L4	299	3900	N5	324	3947	K6	241	3994	C4	102
3807	C4	102	3854	L3	292	3901	S1	365	3948	K6	241	3995	C3	93
3808	F3	173	3855	L4	300	3902	Z3	437	3949	K6	241	3996	C1	81



## CONTENTS (by CNS Number)

CNS no.	Category no.	Page	CNS no.	Category no.	Page	CNS no.	Category no.	Page	CNS no.	Category no.	Page	CNS no.	Category no.	Page
3997	C6	130	4044	G2	183	4091	N6	328	4138	K1	214	4185	N2	314
3998	C6	130	4045	H3	203	4092	N5	324	4139	K6	241	4186	N5	324
3999	C5	124	4046	H2	198	4093	R3	358	4140	K1	214	4187	Z5	443
4000	G3	192	4047	H3	203	4094	S1	365	4141	K6	241	4188	Z5	443
4001	G2	183	4048	H2	198	4095	S2	371	4142	N2	313	4189	Z7	450
4002	G3	192	4049	K9	284	4096	B3	57	4143	N6	328	4190	B3	57
4003	G2	183	4050	K9	284	4097	B7	70	4144	N5	324	4191	B3	57
4004	G3	192	4051	K9	284	4098	B3	57	4145	N6	328	4192	B3	57
4005	G2	183	4052	K9	284	4099	B3	57	4146	N5	324	4193	B3	57
4006	H3	203	4053-1	K3	222	4100	B3	57	4147	N5	324	4194	B3	57
4007	H2	198	4054	K6	241	4101	B3	57	4148	N5	324	4195	H2	198
4008	H3	203	4055	K6	241	4102	B3	57	4149	N5	324	4196	H2	198
4009	H2	198	4056	N5	324	4103	B3	57	4150	P2	344	4197	K6	241
4010	K1	214	4057	N5	324	4104	B2	38	4151	R3	358	4198	K6	241
4011	K6	241	4058	N6	328	4105	B2	38	4152	B5	65	4199	K6	241
4012	K6	241	4059	Z5	443	4106	B1	24	4153	Z5	443	4200	K6	241
4013	K6	241	4060	Z6	446	4107	B2	38	4154	S1	365	4201	K6	242
4014	K6	241	4061	A2	3	4108	B2	38	4155	G3	192	4202	N5	324
4015	N5	324	4062	A3	10	4109	B2	38	4156	G2	183	4203	P2	344
4016	A2	3	4063	A2	3	4110	K6	241	4157	H3	203	4204	R2	354
4017	A3	10	4064	A3	10	4111	K1	214	4158	H2	198	4205	R2	354
4018	B1	24	4065	A2	3	4112	A1	1	4159	H2	198	4206	R2	354
4019	B1	24	4066	A3	10	4113	A1	1	4160	H2	198	4207	R2	354
4020	B1	24	4067	B2	38	4114	A1	1	4161	H2	198	4208	R2	354
4021	B1	24	4068	B7	70	4115	A1	1	4162	H2	198	4209	Z5	443
4022	B1	24	4069	B3	57	4116	B4	62	4163	K1	214	4210	Z5	443
4023	B1	24	4070	B3	57	4117	C4	102	4164	K1	214	4211	Z6	446
4024	B1	24	4071	B3	57	4118	D2	159	4165	K1	214	4212	A2	4
4025	B1	24	4072	B3	57	4119	D3	163	4166	A2	4	4213	A3	10
4026	B1	24	4073	B3	57	4120	Z7	450	4167	A3	10	4214	Z7	450
4027	B1	24	4074	D4	168	4121	Z7	450	4168	B7	70	4215	B3	57
4028	B2	38	4075	D4	168	4122	Z7	450	4169	B2	38	4216	B3	57
4029	B7	70	4076	D4	168	4123	Z7	450	4170	B2	38	4217	B7	70
4030	B3	56	4077	D4	168	4124	Z7	450	4171	B2	38	4218	B1	24
4031	B3	56	4078	D4	168	4125	H3	203	4172	B2	38	4219	B1	24
4032	B3	56	4079	C4	102	4126	H3	203	4173	B2	38	4220	B1	24
4033	B3	56	4080	H3	203	4127	H3	203	4174	B6	66	4221	B2	38
4034	B3	56	4081	H3	203	4128	K5	229	4175	B6	66	4222	B2	38
4035	B1	24	4082	H3	203	4129	K5	229	4176	B6	66	4223	B2	38
4036	B1	24	4083	H3	203	4130	K1	214	4177	B6	66	4224	B2	38
4037	B3	56	4084	K9	284	4131	K1	214	4178	G3	192	4225	B2	38
4038	B3	56	4085	K9	284	4132	K6	241	4179	G2	183	4226	B2	38
4039	B3	56	4086	K1	214	4133	K1	214	4180	K1	214	4227	B2	38
4040	B7	70	4087	K1	214	4134	K1	214	4181	K1	214	4228	B2	38
4041	G3	192	4088	K6	241	4135	K1	214	4182	K1	214	4229	B2	38
4042	G2	183	4089	K3	222	4136	K1	214	4183	K1	214	4230	B2	38
4043	G3	192	4090	N6	328	4137	K1	214	4184	K1	214	4231	B2	38

## CONTENTS (by CNS Number)

CNS no.	Category no.	Page	CNS no.	Category no.	Page	CNS no.	Category no.	Page	CNS no.	Category no.	Page	CNS no.	Category no.	Page
4232	B2	38	4276	K6	242	4323	B1	25	4368	B2	39	4410	B2	40
4233	B7	70	4277	K8	283	4324	B1	25	4369	B2	39	4411	B2	40
4234	B2	38	4278	K6	242	4325	B1	25	4370	B1	25	4412	B2	40
4234-1	B2	38	4279	K1	215	4326	B1	25	4371	B2	39	4413	B2	40
4234-2	B2	38	4280	K6	242	4327	C7	147	4372	B1	25	4414	B2	40
4234-3	B2	38	4281	K6	242	4328	C7	147	4373	B2	39	4415	B2	40
4235	B1	24	4282	K6	242	4329	C5	124	4374	B2	39	4416	B2	40
4236	B2	38	4283	K6	242	4330	C5	124	4375	B2	39	4417	B2	40
4237	B2	38	4284	K1	215	4331	C5	124	4376	B2	39	4418	B2	40
4238	B1	24	4285	K6	242	4332	C4	102	4377	B2	39	4419	B2	40
4239	B1	24	4286	K6	242	4333	H3	203	4378	B2	39	4420	B2	40
4240	B1	24	4287	Z5	443	4334	H3	203	4379	B2	39	4421	B2	40
4241	B7	70	4288	Z6	446	4335	H3	203	4380	C1	81	4422	B2	40
4242	B1	24	4289	Z5	443	4336	H3	203	4381	C7	147	4423	B2	40
4243	B1	24	4290	Z6	446	4337	N5	324	4382	C7	147	4424	B2	40
4244	B1	25	4291	Z5	443	4338	N6	328	4383	H3	203	4425	B2	40
4245	B1	25	4292	Z6	446	4339	Z6	447	4384	H3	203	4426	B2	40
4246	B2	38	4293	Z5	443	4340	Z5	443	4385	H3	203	4427	B2	40
4247	B2	38	4294	Z6	447	4341	R2	354	4386	H3	203	4428	B2	40
4248	B2	38	4295	B3	57	4342	R2	354	4387	K1	215	4429	B2	40
4249	B2	38	4296	B3	57	4343	R3	358	4388	K1	215	4430	B2	40
4250	B2	38	4297	B3	57	4344	Z8	459	4389	K5	229	4431	B2	40
4251	B2	38	4298	B7	70	4345	Z7	450	4390	K6	242	4432	B2	40
4252	B2	38	4299	B7	70	4345-1	Z7	450	4391	K6	242	4433	B2	40
4253	B2	39	4300	B7	70	4345-2	Z7	450	4392	K6	242	4434	B2	40
4254	B2	39	4301	B7	70	4346	Z8	459	4393	K6	242	4435	G3	192
4255	B2	39	4302	B7	70	4347	A1	1	4394	K6	242	4436	G2	184
4256	B3	57	4303	B2	39	4348	A1	1	4394-1	K6	242	4437	G3	192
4257	B3	57	4304	B2	39	4349	A2	4	4394-2	K6	242	4438	G2	184
4258	B3	57	4305	B2	39	4350	B7	70	4394-3	K6	242	4439	A1	1
4259	B7	70	4306	B2	39	4351	B7	70	4394-4	K6	242	4440	A1	1
4260	B7	70	4307	B2	39	4352	B2	39	4394-5	K6	242	4441	B7	70
4261	B7	70	4308	B2	39	4353	B1	25	4395	K6	242	4442	G3	192
4262	B7	70	4309	B2	39	4354	B1	25	4396	K6	242	4443	G3	192
4263	B7	70	4310	B2	39	4355	B2	39	4397	L4	300	4444	G3	192
4264	B7	70	4311	B2	39	4356	B2	39	4398	N5	324	4445	G3	192
4265	B7	70	4312	B2	39	4357	B2	39	4399	N6	328	4446	K6	242
4266	B3	57	4313	B2	39	4358	B2	39	4400	B3	57	4447	K6	242
4267	B3	57	4314	B2	39	4359	B2	39	4401	B3	57	4448	K6	242
4268	T1	379	4315	B2	39	4360	B2	39	4402	B2	39	4449	K1	215
4269	G3	192	4316	B2	39	4361	B2	39	4403	B2	39	4450	K6	242
4270	G2	183	4317	B1	25	4362	B2	39	4404	B2	39	4451	K3	222
4271	G3	192	4318	B1	25	4363	B2	39	4405	B2	39	4452	K6	242
4272	G2	183	4319	B1	25	4364	B2	39	4406	B2	40	4453	N5	324
4273	G3	192	4320	B2	39	4365	B2	39	4407	B2	40	4454	N6	328
4274	G2	183	4321	B2	39	4366	B2	39	4408	B1	25	4455	N6	328
4275	K1	214	4322	B2	39	4367	B2	39	4409	B2	40	4456	N5	324

## CONTENTS (by CNS Number)

CNS no.	Category no.	Page	CNS no.	Category no.	Page	CNS no.	Category no.	Page	CNS no.	Category no.	Page	CNS no.	Category no.	Page
4457	R3	358	4504	C7	148	4551	B2	41	4597	N6	328	4644	A3	10
4458	A2	4	4505	C7	148	4552	B2	41	4598	Z2	432	4645	B2	41
4459	A3	10	4506	C5	124	4553	B2	41	4599	Z3	437	4646	B2	41
4460	A2	4	4507	C7	148	4554	B2	41	4600	B7	71	4647	B2	41
4461	A3	10	4508	C7	148	4555	B2	41	4601	B4	62	4648	B2	41
4462	B2	40	4509	C7	148	4556	B2	41	4602	B7	71	4649	B2	41
4463	B2	40	4510	C7	148	4557	B2	41	4603	B2	41	4650	B2	41
4464	B2	40	4511	C7	148	4558	B2	41	4604	B2	41	4651	B2	41
4465	B2	40	4512	C7	148	4559	B2	41	4605	B2	41	4652	B2	41
4466	B2	40	4513	C7	148	4560	B2	41	4606	B2	41	4653	B2	41
4467	B2	40	4514	C7	148	4561	B2	41	4607	B2	41	4654	B2	41
4468	B2	40	4515	C7	148	4562	B2	41	4608	B2	41	4655	B2	41
4469	B2	40	4516	C7	148	4563	B2	41	4609	B2	41	4656	B2	41
4470	B2	40	4517	C7	148	4564	B2	41	4610	B2	41	4657	B2	41
4471	B2	40	4518	C7	148	4565	B7	71	4611	C4	103	4658	B2	41
4472	B2	40	4519	C7	148	4566	B2	41	4612	C4	103	4659	B2	41
4473	B2	40	4520	C7	148	4567	B2	41	4613	C4	103	4660	B2	41
4474	B2	40	4521	C7	148	4568	B2	41	4614	C3	93	4661	B2	42
4475	B2	40	4522	C7	148	4569	B2	41	4615	C4	103	4662	B2	42
4476	B2	40	4523	C7	148	4570	B2	41	4616	C4	103	4663	B2	42
4477	B2	40	4524	C7	148	4571	B2	41	4617	C3	93	4664	B2	42
4478	B2	40	4525	K6	242	4572	B2	41	4618	C2	87	4665	B2	42
4479	B2	40	4526	N2	314	4573	B2	41	4619	C3	93	4666	B7	71
4480	B2	40	4527	N4	317	4574	B2	41	4620	G3	192	4667	B7	71
4481	B2	40	4528	N5	324	4575	B1	25	4621	G2	184	4668	B7	71
4482	B2	40	4529	N6	328	4576	B1	25	4622	G3	192	4669	B7	71
4483	B2	40	4530	B1	25	4577	B1	26	4623	G2	184	4670	B1	26
4484	B2	40	4531	B1	25	4578	B2	41	4624	G3	192	4670-1	B1	26
4485	B4	62	4532	B1	25	4579	B2	41	4625	G2	184	4670-2	B1	26
4486	B1	25	4533	B1	25	4580	B2	41	4626	G3	192	4670-3	B1	26
4487	B7	71	4534	B1	25	4581	B2	41	4627	G2	184	4670-4	B1	26
4488	B2	40	4535	B1	25	4582	B2	41	4628	K4	226	4670-5	B1	26
4489	B2	40	4536	B1	25	4583	B2	41	4629	K4	226	4670-6	B1	26
4490	B2	40	4537	B1	25	4584	B2	41	4630	K4	226	4670-7	B1	26
4491	B2	40	4538	B1	25	4585	B1	26	4631	K4	227	4670-8	B1	26
4492	B2	40	4539	B1	25	4586	B3	57	4632	K4	227	4670-9	B1	26
4493	C5	124	4540	B1	25	4587	B3	57	4633	K4	227	4670-10	B1	26
4494	C7	147	4541	B1	25	4588	C7	148	4634	K4	227	4670-11	B1	26
4495	C7	148	4542	B1	25	4589	C5	124	4635	K4	227	4670-12	B1	26
4496	C7	148	4543	B1	25	4590	C5	124	4636	K4	227	4670-13	B1	26
4497	C7	148	4544	B1	25	4591	C7	148	4637	K1	215	4670-14	B1	26
4498	C7	148	4545	B1	25	4592	C7	148	4638	K1	215	4670-15	B1	26
4499	C7	148	4546	B1	25	4593	C7	148	4639	K1	215	4670-16	B1	26
4500	C7	148	4547	B1	25	4594	C7	148	4640	N5	324	4670-17	B1	26
4501	C7	148	4548	B1	25	4595	C7	148	4641	N6	328	4670-18	B1	26
4502	C7	148	4549	B2	40	4596	D2	159	4642	N5	324	4670-19	B1	26
4503	C7	148	4550	B2	40	4596-1	D2	159	4643	A2	4	4670-20	B1	26

## CONTENTS (by CNS Number)

CNS no.	Category no.	Page	CNS no.	Category no.	Page	CNS no.	Category no.	Page	CNS no.	Category no.	Page	CNS no.	Category no.	Page
4670-21	B1	26	4710	C7	148	4756	B6	67	4797	Z7	450	4798-35	Z8	460
4670-22	B1	26	4711	C5	124	4757	B6	67	4797-1	Z7	450	4798-36	Z8	460
4670-23	B1	26	4712	C6	130	4758	B6	67	4797-2	Z7	450	4798-37	Z8	460
4670-24	B1	26	4713	O2	340	4759	B6	67	4797-3	Z7	450	4799	S1	365
4670-25	B1	26	4714	O2	340	4760	D3	164	4797-4	Z7	450	4800	S1	365
4670-26	B1	26	4715	O2	340	4761	G2	184	4797-5	Z7	450	4801	S1	365
4670-27	B1	26	4716	O2	340	4762	G2	184	4797-6	Z7	450	4802	A2	4
4670-28	B1	26	4717	O2	340	4763	G2	184	4797-7	Z7	450	4803	A3	10
4671	B4	62	4718	P3	345	4764	G2	184	4797-8	Z7	450	4804	A2	4
4672	B7	71	4719	P3	345	4765	G2	184	4797-9	Z7	450	4805	B1	26
4673	C4	103	4720	P3	345	4766	G2	184	4797-10	Z7	450	4806	B1	26
4674	C3	93	4721	R2	354	4767	L4	300	4797-11	Z7	450	4807	B1	26
4675	C7	148	4722	S1	365	4768	N5	324	4798	Z8	459	4808	B1	26
4676	C7	148	4723	A2	4	4769	A1	1	4798-1	Z8	459	4809	B7	71
4677	C7	148	4724	A2	4	4770	A1	1	4798-2	Z8	459	4810	B7	71
4678	D1	156	4725	A3	10	4771	B2	42	4798-3	Z8	459	4811	B7	71
4679	D2	159	4726	A3	10	4772	B2	42	4798-4	Z8	459	4812	B7	71
4680	N6	328	4727	B4	62	4773	B2	42	4798-5	Z8	459	4813	B3	57
4681	N5	324	4728	B7	71	4774	C4	103	4798-6	Z8	459	4814	B3	57
4682	R3	358	4729	B2	42	4775	C3	93	4798-7	Z8	459	4815	B3	57
4683	A2	4	4730	B2	42	4776	C4	103	4798-8	Z8	459	4816	B3	57
4684	A3	10	4731	B2	42	4777	C3	93	4798-9	Z8	460	4817	B3	57
4685	B1	26	4732	B2	42	4778	C4	103	4798-10	Z8	460	4818	B3	57
4686	B1	26	4733	B2	42	4779	C3	93	4798-11	Z8	460	4819	H3	203
4687	B2	42	4734	C4	103	4780	C4	103	4798-12	Z8	460	4820	H3	203
4688	B2	42	4735-1	C2	87	4781	C3	93	4798-13	Z8	460	4821	H3	203
4689	B2	42	4735-2	C2	87	4782	C4	103	4798-14	Z8	460	4822	H3	203
4690	B2	42	4736	C5	124	4783	C5	124	4798-15	Z8	460	4823	H3	203
4691	B2	42	4737	C6	130	4784	C5	124	4798-16	Z8	460	4824	H3	203
4692	B2	42	4738	C5	124	4785	C6	130	4798-17	Z8	460	4825	H3	203
4693	B2	42	4739	C7	148	4786	C7	148	4798-18	Z8	460	4826	H3	203
4694	B2	42	4740	C7	148	4787	C7	148	4798-19	Z8	460	4827	H3	203
4695	B2	42	4741	C7	148	4788	C6	130	4798-20	Z8	460	4828	H3	203
4696	B2	42	4742	C7	148	4789	P2	344	4798-21	Z8	460	4829	H2	198
4697	B2	42	4743	C7	148	4790	P2	344	4798-22	Z8	460	4830	H2	198
4698	B2	42	4744	C7	148	4790-1	P2	344	4798-23	Z8	460	4831	K6	242
4699	B2	42	4745	H3	203	4790-2	P2	344	4798-24	Z8	460	4832	N5	324
4700	B2	42	4746	H3	203	4790-3	P2	344	4798-25	Z8	460	4833	N5	324
4701	B2	42	4747	K6	242	4790-4	P2	344	4798-26	Z8	460	4834	N5	324
4702	B2	42	4748	O1	339	4790-5	P2	344	4798-27	Z8	460	4835	N5	324
4703	B2	42	4749	O1	339	4790-6	P2	344	4798-28	Z8	460	4836	N5	324
4704	B2	42	4750	A2	4	4791	Z7	450	4798-29	Z8	460	4837	N5	324
4705	C3	93	4751	A3	10	4792	Z7	450	4798-30	Z8	460	4838	N5	324
4706	C5	124	4752	B6	66	4793	Z7	450	4798-31	Z8	460	4839	N5	324
4707	C7	148	4753	B6	66	4794	Z7	450	4798-32	Z8	460	4840	N5	324
4708	C7	148	4754	B6	67	4795	Z7	450	4798-33	Z8	460	4841	N6	328
4709	C7	148	4755	B6	67	4796	Z7	450	4798-34	Z8	460	4842	N6	329

## CONTENTS (by CNS Number)

CNS no.	Category no.	Page	CNS no.	Category no.	Page	CNS no.	Category no.	Page	CNS no.	Category no.	Page	CNS no.	Category no.	Page
4843	B2	42	4890	L4	300	4937	K2	218	4984	K6	242	5031	C3	93
4844	B2	42	4891	L4	300	4938	K2	218	4985	K6	242	5032	K2	218
4845	B2	42	4892	N5	324	4939	K2	218	4986	K6	242	5033	N6	329
4846	B2	42	4893	B6	67	4940	K2	218	4987	K6	242	5034	N6	329
4847	B2	42	4894	B6	67	4941	K2	218	4988	N5	324	5035	N6	329
4848	B2	42	4895	B7	71	4942	K2	218	4989	N5	324	5036	N6	329
4849	B2	42	4896	B7	71	4943	K2	218	4990	N6	329	5037	N6	329
4850	B2	42	4897	B7	71	4944	K2	218	4991	N5	324	5038	P2	344
4851	B2	42	4898	C2	87	4945	B2	42	4992	N6	329	5039	P2	344
4852	B3	57	4899	C6	130	4946	B2	42	4993	A2	4	5040	P2	344
4853	B2	42	4900	C6	130	4947	B2	42	4994	A3	10	5041	R2	354
4854	C7	148	4901	C5	124	4948	B2	42	4995	A2	4	5042	R2	354
4855	C7	148	4902	C5	124	4949	B2	42	4996	A3	10	5043	A2	4
4856	C7	149	4903	C5	124	4950	C4	103	4997	B3	57	5044	A2	4
4857	C5	124	4904	C5	124	4951	C6	130	4998	B3	57	5045	A2	4
4858	C7	149	4905	C7	149	4952	C6	130	4999	B3	57	5046	B3	58
4859	C7	149	4906	C5	124	4953	C5	124	5000	B3	57	5047	B3	58
4860	C7	149	4907	K2	217	4954	C7	149	5001	B3	58	5048	B3	58
4861	K4	227	4908	K2	217	4955	C7	149	5002	B3	58	5049	B3	58
4862	K1	215	4909	K2	217	4956	C7	149	5003	B3	58	5050	B2	42
4863	K1	215	4910	K2	217	4957	C7	149	5004	B2	42	5051	B2	43
4864	K1	215	4911	K2	217	4958	G2	184	5005	K4	227	5052	B2	43
4865	K1	215	4912	K2	217	4959	K4	227	5006	N6	329	5053	B2	43
4866	K6	242	4913	K2	217	4960	N5	324	5007	B1	26	5054	B2	43
4867	N5	324	4914	K2	217	4961	B7	71	5008	B7	71	5055	B2	43
4868	S1	365	4915	K2	217	4962	B7	71	5009	B7	71	5056	B3	58
4869	S1	365	4916	K2	217	4963	B7	71	5010	B3	58	5057	B3	58
4870	S1	365	4917	K2	217	4964	B7	71	5011	B3	58	5058	B3	58
4871	S1	365	4918	K2	217	4965	A2	4	5012	B3	58	5059	B3	58
4872	C4	103	4919	K2	217	4966	A3	10	5013	B3	58	5060	B1	26
4873	C4	103	4920	K2	217	4967	B3	57	5014	B2	42	5061	B1	26
4874	C3	93	4921	K2	217	4968	B3	57	5015	B2	42	5062	B7	71
4875	C4	103	4922	K2	217	4969	B3	57	5016	B3	58	5063	C4	103
4876	C6	130	4923	K2	217	4970	C4	103	5017	C1	81	5064	C3	93
4877	C6	130	4924	K2	217	4971	C3	93	5018	C1	81	5065	C3	93
4878	K4	227	4925	K2	218	4972	C7	149	5019	C1	81	5066	C6	130
4879	K4	227	4926	K2	218	4973	C7	149	5020	C4	103	5067	C6	130
4880	K4	227	4927	K2	218	4974	C7	149	5021	C4	103	5068	C6	130
4881	K4	227	4928	K2	218	4975	C7	149	5022	C4	103	5069	C6	130
4882	K1	215	4929	K2	218	4976	C7	149	5023	C1	81	5070	C6	130
4883	K1	215	4930	K2	218	4977	C7	149	5024	C4	103	5071	C6	130
4884	K1	215	4931	K2	218	4978	C7	149	5025	C4	103	5072	C6	131
4885	K1	215	4932	K2	218	4979	C7	149	5026	C4	103	5073	C6	131
4886	K1	215	4933	K2	218	4980	C7	149	5027	C4	103	5074	C6	131
4887	K6	242	4934	K2	218	4981	C7	149	5028	C4	103	5075	C6	131
4888	L4	300	4935	K2	218	4982	D2	159	5029	C4	103	5076	C6	131
4889	L4	300	4936	K2	218	4983	D3	164	5030	C4	103	5077	C6	131

## CONTENTS (by CNS Number)

CNS no.	Category no.	Page	CNS no.	Category no.	Page	CNS no.	Category no.	Page	CNS no.	Category no.	Page	CNS no.	Category no.	Page
5078	C6	131	5125	G3	192	5172	Z9	464	5219	K6	243	5266	B2	43
5079	R2	354	5126	G3	192	5173	Z9	464	5220	K1	215	5267	B2	43
5080	R3	358	5127	H3	203	5174	Z9	464	5221	K6	243	5268	B2	43
5081	R2	354	5128	H2	198	5175	P3	345	5222	K9	284	5269	B1	27
5082	R3	358	5129	H2	198	5176	P3	345	5223	K9	284	5269-1	B1	27
5083	A2	4	5130	K6	242	5177	P3	345	5224	K9	284	5269-2	B1	27
5084	A3	10	5131	K6	242	5178	R2	354	5225	K9	284	5269-3	B1	27
5085	A1	1	5132	K6	242	5179	A2	4	5226	K1	215	5269-4	B1	27
5086	A3	10	5133	K6	243	5180	A3	11	5227	K1	215	5270	B1	27
5087	A3	10	5134	K6	243	5181	B3	58	5228	K1	215	5270-1	B1	27
5088	A3	10	5135	K6	243	5182	B1	27	5229	K1	215	5270-2	B1	27
5089	A3	10	5136	K6	243	5183	B2	43	5230	K1	215	5270-3	B1	27
5090	A3	10	5137	K6	243	5184	B2	43	5231	K1	215	5270-4	B1	27
5091	A3	10	5138	K6	243	5185	B2	43	5232	K1	215	5270-5	B1	27
5092	B1	26	5139	K6	243	5186	B2	43	5233	K1	215	5270-6	B1	27
5093	B1	26	5140	K6	243	5187	B2	43	5234	K1	215	5270-7	B1	27
5094	B1	26	5141	K6	243	5188	B2	43	5235	K1	215	5270-8	B1	27
5095	B1	27	5142	Z9	464	5189	B2	43	5236	K1	215	5270-9	B1	27
5096	B1	27	5143	Z9	464	5190	B2	43	5237	K1	215	5271	B1	27
5097	B3	58	5144	Z9	464	5191	B2	43	5238	K6	243	5272	B3	58
5098	B3	58	5145	Z9	464	5192	B7	71	5239	K6	243	5273	B3	58
5099	B3	58	5146	Z9	464	5193	B2	43	5240	K6	243	5274	B2	43
5100	B3	58	5147	Z9	464	5194	B2	43	5241	K6	243	5275	B2	43
5101	B3	58	5148	Z9	464	5195	B2	43	5242	M2	303	5276	B2	43
5102	B3	58	5149	Z9	464	5196	C4	103	5243	M2	303	5277	B2	43
5103	B3	58	5150	Z9	464	5197	C3	93	5244	M2	303	5278	B2	43
5104	B3	58	5151	Z9	464	5198	C4	103	5245	M2	303	5279	B2	43
5105	B3	58	5152	Z9	464	5199	C7	149	5246	M2	303	5280	B2	43
5106	B3	58	5153	Z9	464	5200	C4	103	5247	M2	303	5281	B2	43
5107	B3	58	5154	Z9	464	5201	C4	103	5248	M2	303	5282	B2	43
5108	B2	43	5155	Z9	464	5202	C1	81	5249	M2	303	5283	B2	43
5109	B2	43	5156	Z9	464	5203	C4	103	5250	M2	303	5284	B2	43
5110	B3	58	5157	Z9	464	5204	X0	393	5251	M2	303	5285	B2	43
5111	B2	43	5158	Z9	464	5205	X5	415	5252	M2	303	5286	B1	27
5112	B2	43	5159	Z9	464	5206	C7	149	5253	M2	303	5287	B2	43
5113	B2	43	5160	Z9	464	5207	C5	124	5254	M2	303	5288	B2	43
5114	B2	43	5161	Z9	464	5208	C5	124	5255	N6	329	5289	B2	43
5115	B2	43	5162	Z9	464	5209	F3	173	5256	M2	303	5290	B2	43
5116	B2	43	5163	Z9	464	5210	F3	173	5257	Z7	451	5291	B2	43
5117	C4	103	5164	Z9	464	5211	K2	218	5258	Z9	464	5292	B2	43
5118	C3	93	5165	Z9	464	5212	K2	218	5259	Z9	465	5293	B2	43
5119	C4	103	5166	Z9	464	5213	K2	218	5260	Z9	465	5294	B2	43
5120	D3	164	5167	Z9	464	5214	K2	218	5261	Z9	465	5295	B2	43
5121	G3	192	5168	Z9	464	5215	K2	218	5262	Z9	465	5296	B2	43
5122	G3	192	5169	Z9	464	5216	K4	227	5263	A3	11	5297	B2	43
5123	G3	192	5170	Z9	464	5217	K4	227	5264	A3	11	5298	B2	43
5124	G3	192	5171	Z9	464	5218	K1	215	5265	A3	11	5299	B3	58

## CONTENTS (by CNS Number)

CNS no.	Category no.	Page	CNS no.	Category no.	Page	CNS no.	Category no.	Page	CNS no.	Category no.	Page	CNS no.	Category no.	Page
5300	B3	58	5346-1	K3	222	5376-15	M3	305	5415	B2	44	5462	K9	284
5301	B3	58	5346-2	K3	222	5376-16	M3	305	5416	C3	93	5463	K9	284
5302	B3	58	5346-3	K3	222	5376-17	M3	305	5417	C4	103	5464	K9	284
5303	B3	59	5347	K6	243	5376-18	M3	305	5418	C3	93	5465	K9	284
5304	B3	59	5348	K6	243	5376-19	M3	305	5419	C1	81	5466	K9	284
5305	B3	59	5349	K6	243	5376-20	M3	305	5420	C4	103	5467	K9	284
5306	B3	59	5350	K6	243	5376-21	M3	305	5421	C1	81	5468	K9	284
5307	B3	59	5351	K6	243	5376-22	M3	305	5422	C4	103	5469	P3	346
5308	B3	59	5352	K6	243	5376-23	M3	305	5423	C3	93	5470	P3	346
5309	B3	59	5353	K6	243	5377	M3	305	5424	C3	93	5471	P3	346
5310	C4	103	5354	K6	243	5378	M3	305	5425	C4	103	5472	Z5	443
5311	C3	93	5355	M2	303	5379	M3	305	5426	C4	103	5473	R4	363
5312	C1	81	5356	M2	303	5380	M3	305	5427	C4	103	5474	R3	358
5313	C1	81	5357	M2	303	5381	M3	305	5428	C1	81	5475	R3	358
5314	C4	103	5358	M2	303	5382	M3	305	5429	C5	124	5476	R3	359
5315	C3	93	5359	M2	303	5383	M3	305	5430	C7	149	5477	R3	359
5316	C4	103	5360	M2	303	5384	Z7	451	5431	D2	159	5478	R3	359
5317	C3	93	5361	M2	303	5385	Z9	465	5432	D4	168	5479	R4	363
5318	C7	149	5362	M2	303	5386	Z9	465	5433	D3	164	5480	R3	359
5319	D3	164	5363	M2	303	5387	Z9	465	5434	D3	164	5481	R3	359
5320	D3	164	5364	M2	303	5388	Z9	465	5435	D2	159	5482	B3	59
5321	D3	164	5365	M2	303	5389	Z9	465	5436	D3	164	5483	B7	71
5322	D3	164	5366	M3	304	5390	Z9	465	5437	D3	164	5484	B7	71
5323	D2	159	5367	M3	304	5391	B1	27	5438	F3	174	5485	B7	71
5324	D2	159	5368	M3	304	5392	B3	59	5439	F3	174	5486	B7	71
5325	F3	173	5369	M2	303	5393	B3	59	5440	F3	174	5487	B7	71
5326	F3	173	5370	M2	303	5394	B2	43	5441	F3	174	5488	B2	44
5327	F3	173	5371	M2	303	5395	B7	71	5442	F3	174	5489	B2	44
5328	F3	174	5372	M2	303	5396	B2	44	5443	F3	174	5490	B2	44
5329	F3	174	5373	M2	303	5397	B7	71	5444	F3	174	5491	B2	44
5330	F3	174	5374	M2	303	5398	B2	44	5445	K1	215	5492	B2	44
5331	F3	174	5375	M2	303	5399	B2	44	5446	K6	243	5493	B2	44
5332	F3	174	5376	M3	304	5400	B2	44	5447	K1	215	5494	B2	44
5333	F3	174	5376-1	M3	304	5401	B1	27	5448	K6	243	5495	B2	44
5334	F3	174	5376-2	M3	304	5402	B1	27	5449	K1	215	5496	B2	44
5335	F3	174	5376-3	M3	304	5403	B2	44	5450	K1	215	5497	B2	44
5336	G2	184	5376-4	M3	304	5404	B2	44	5451	K1	215	5498	B2	44
5337	H3	203	5376-5	M3	305	5405	B2	44	5452	K1	215	5499	B2	44
5338	H3	203	5376-6	M3	305	5406	B2	44	5453	K6	243	5500	B2	44
5339	H3	203	5376-7	M3	305	5407	B2	44	5454	K6	243	5501	B2	44
5340	K4	227	5376-8	M3	305	5408	B2	44	5455	K6	243	5502	B2	44
5341	K6	243	5376-9	M3	305	5409	B2	44	5456	K6	243	5503	B2	44
5342	K6	243	5376-10	M3	305	5410	B2	44	5457	K1	215	5504	B2	44
5343	K6	243	5376-11	M3	305	5411	B2	44	5458	K1	215	5505	B2	44
5344	K6	243	5376-12	M3	305	5412	B2	44	5459	K6	243	5506	B1	27
5345	K3	222	5376-13	M3	305	5413	B2	44	5460	K1	215	5507	B2	44
5346	K3	222	5376-14	M3	305	5414	B2	44	5461	K1	215	5508	B2	44

## CONTENTS (by CNS Number)

CNS no.	Category no.	Page	CNS no.	Category no.	Page	CNS no.	Category no.	Page	CNS no.	Category no.	Page	CNS no.	Category no.	Page
5509	B2	44	5556	C5	125	5600	K1	215	5629	N6	329	5676	B1	27
5510	B1	27	5557	C5	125	5601	K1	215	5630	S2	371	5677	B1	27
5511	B7	71	5558	C5	125	5602	K6	244	5631	S2	371	5678	B1	27
5512	B7	71	5559	D1	156	5603	K6	244	5632	S2	371	5679	B7	71
5513	C4	103	5560	D2	159	5604	K6	244	5633	S2	371	5680	B2	44
5514	C4	103	5561	D2	159	5605	K6	244	5634	S2	371	5681	B2	44
5515	C4	103	5561-1	D2	159	5606	K6	244	5635	S2	371	5682	B1	27
5516	C4	103	5561-2	D2	159	5607	K6	244	5636	Z3	437	5683	B1	27
5517	C4	103	5561-3	D2	159	5608	K6	244	5637	Z6	447	5684	B2	44
5518	C4	103	5562	D3	164	5609	K6	244	5638	Z6	447	5685	B2	44
5519	C4	103	5563	D3	164	5610	L3	292	5639	Z9	465	5686	B2	44
5520	C4	103	5564	D3	164	5610-1	L3	292	5640	Z9	465	5687	B2	44
5521	C4	103	5565	D3	164	5610-2	L3	292	5641	Z9	465	5688	B2	44
5522	C4	103	5566	D2	159	5610-3	L3	292	5642	Z9	465	5689	B2	44
5523	C4	103	5567	D2	159	5610-4	L3	292	5643	Z9	465	5690	B2	44
5524	C4	103	5568	F3	174	5610-5	L3	292	5644	A2	4	5691	B2	44
5525	C1	81	5569	F3	174	5610-6	L3	292	5645	A3	11	5692	B2	44
5526	C1	81	5570	F3	174	5610-7	L3	292	5646	A2	4	5693	B2	45
5527	C1	81	5571	F3	174	5610-8	L3	292	5647	A3	11	5694	B1	27
5528	C1	81	5572	F3	174	5610-9	L3	292	5648	A2	4	5695	B1	27
5529	C1	81	5573	F3	174	5610-10	L3	292	5649	A3	11	5696	B1	27
5530	C1	82	5574	F3	174	5610-11	L3	292	5650	B7	71	5697	B1	27
5531	C1	82	5575	F3	174	5610-12	L3	292	5651	D3	164	5698	B1	27
5532	C1	82	5576	K9	284	5610-13	L3	292	5652	D3	164	5699	B2	45
5533	C1	82	5577	K9	284	5610-14	L3	292	5653	B7	71	5700	B1	27
5534	C4	104	5578	K9	284	5610-15	L3	292	5654	B7	71	5701	B4	62
5535	C4	104	5579	K9	284	5610-16	L3	292	5655	B7	71	5702	B7	71
5536	C3	93	5580	K6	243	5610-17	L3	293	5656	B7	71	5703	B4	62
5537	C4	104	5581	K6	243	5610-18	L3	293	5657	B7	71	5704	B7	71
5538	C6	131	5582	K6	243	5611	L1	288	5658	B3	59	5705	B4	62
5539	C6	131	5583	K6	243	5612	L3	293	5659	B3	59	5706	B7	71
5540	C6	131	5584	K6	243	5613	L3	293	5660	B3	59	5707	B4	62
5541	C6	131	5585	K6	243	5614	L3	293	5661	B3	59	5708	B7	71
5542	C6	131	5586	K6	243	5615	L3	293	5662	B7	71	5709	B2	45
5543	C6	131	5587	K6	243	5616	L3	293	5663	B7	71	5710	B2	45
5544	C6	131	5588	K1	215	5617	L4	300	5664	B7	71	5711	B2	45
5545	C6	131	5589	K6	243	5618	L3	293	5665	B7	71	5712	B2	45
5546	C6	131	5590	K6	243	5619	M2	303	5666	B3	59	5713	B2	45
5547	C6	131	5591	K6	243	5620	M2	303	5667	B3	59	5714	B2	45
5548	C6	131	5592	K6	243	5621	M2	303	5668	B3	59	5715	B2	45
5549	C7	149	5593	K6	243	5622	M2	303	5669	B3	59	5716	B2	45
5550	C6	131	5594	K6	243	5623	M2	303	5670	B3	59	5717	B1	27
5551	C7	149	5595	K6	243	5624	M2	303	5671	B3	59	5718	B1	27
5552	C5	125	5596	K6	243	5625	M2	303	5672	B3	59	5719	B1	27
5553	C5	125	5597	K6	243	5626	M2	303	5673	B3	59	5720	B1	27
5554	C6	131	5598	K6	244	5627	N1	312	5674	B3	59	5721	B1	27
5555	C6	131	5599	K6	244	5628	N5	324	5675	B1	27	5722	B1	27



## CONTENTS (by CNS Number)

CNS no.	Category no.	Page	CNS no.	Category no.	Page	CNS no.	Category no.	Page	CNS no.	Category no.	Page	CNS no.	Category no.	Page
5723	B1	27	5770	C5	125	5817	K6	244	5862	K9	285	5909	M2	304
5724	B1	27	5771	C7	149	5818	K6	244	5863	K6	245	5910	M2	304
5725	B1	28	5772	C7	149	5819	K6	244	5864	K6	245	5911	M2	304
5726	B1	28	5773	C7	149	5820	K4	227	5865	K6	245	5912	M2	304
5727	B1	28	5774	C7	149	5821	K6	244	5866	K6	245	5913	M2	304
5728	B1	28	5775	C5	125	5822	K8	283	5867	K2	218	5914	M2	304
5729	B1	28	5776	D3	164	5823	K6	244	5868	K2	218	5915	M2	304
5730	B1	28	5777	D3	164	5824	K1	215	5869	K2	218	5916	N6	329
5731	B1	28	5778	D2	159	5825	K1	215	5870	K2	218	5917	N4	317
5732	B1	28	5779	D1	156	5826	K1	215	5871	K2	218	5918	N4	317
5733	B1	28	5780	D2	159	5827	K1	215	5872	K2	218	5919	N4	317
5734	B1	28	5781	D1	156	5828	K1	215	5873	K2	218	5920	N4	317
5735	B1	28	5782	D2	159	5829	K1	215	5874	K2	218	5921	N4	317
5736	B1	28	5783	D1	156	5830	K1	215	5875	K2	218	5922	N4	317
5737	B1	28	5784	D2	159	5831	K1	215	5876	K2	218	5923	N4	317
5738	B1	28	5785	D2	159	5832	K1	215	5877	K2	218	5924	N4	317
5739	B1	28	5786	D2	159	5833	K1	215	5878	K2	218	5925	N4	317
5740	C1	82	5787	D2	159	5834	K5	229	5879	K2	218	5926	N6	329
5741	C1	82	5788	D2	159	5835	K6	244	5880	K2	218	5927	N6	329
5742	C4	104	5789	D2	159	5836	K6	244	5881	K2	218	5928	N6	329
5743	C4	104	5790	D2	159	5837	K6	244	5882	K2	218	5929	N6	329
5744	C2	87	5791	D2	159	5838	K6	244	5883	K2	218	5930	N5	324
5745	C3	93	5792	D2	159	5839	K6	244	5884	K2	218	5931	T1	379
5746	C4	104	5793	D2	159	5840	K6	244	5885	K6	245	5932	T1	379
5747	C2	87	5794	D2	159	5841	K6	244	5886	K6	245	5933	T1	379
5748	C2	87	5795	D2	159	5842	K1	215	5887	K6	245	5934	T1	379
5749	C2	87	5796	D2	159	5843	K6	244	5888	K6	245	5935	T1	379
5750	C2	87	5797	D2	159	5844	K3	222	5889	L4	300	5936	T1	379
5751	C6	131	5798	D2	159	5845	K6	244	5890	L4	300	5937	T1	379
5752	C5	125	5799	D3	164	5846	K6	244	5891	L4	300	5938	T1	379
5753	C6	131	5800	G3	193	5846-1	K6	244	5892	L4	300	5939	T1	379
5754	C6	131	5801	G2	184	5846-2	K6	244	5893	L4	300	5940	T1	379
5755	C6	131	5802	G3	193	5847	K5	229	5894	L4	300	5941	T1	379
5756	C5	125	5803	G2	184	5848	K6	244	5895	L4	300	5942	T2	382
5757	C5	125	5804	G3	193	5849	K6	245	5896	L4	300	5943	T2	382
5758	C5	125	5805	G2	184	5850	K3	222	5897	L4	300	5944	T2	382
5759	C5	125	5806	G3	193	5851	K3	222	5898	L4	300	5945	T2	382
5760	C5	125	5807	G2	184	5852	K6	245	5899	L4	300	5946	T2	382
5761	C5	125	5808	K6	244	5853	K6	245	5900	L4	300	5947	T2	382
5762	C5	125	5809	K6	244	5854	K3	222	5901	M2	303	5948	Z7	451
5763	C5	125	5810	K6	244	5855	K6	245	5902	M2	303	5949	A3	11
5764	C5	125	5811	K6	244	5856	K3	222	5903	M3	305	5950	A3	11
5765	C5	125	5812	K6	244	5857	K6	245	5904	M2	303	5951	A3	11
5766	X2	409	5813	K6	244	5858	K9	285	5905	M2	303	5952	A3	11
5767	C7	149	5814	K6	244	5859	K9	285	5906	M2	303	5953	A3	11
5768	C7	149	5815	K6	244	5860	K9	285	5907	M2	304	5954	A3	11
5769	C7	149	5816	K6	244	5861	K9	285	5908	M2	304	5955	A3	11

## CONTENTS (by CNS Number)

CNS no.	Category no.	Page	CNS no.	Category no.	Page	CNS no.	Category no.	Page	CNS no.	Category no.	Page	CNS no.	Category no.	Page
5956	A3	11	6003	B2	45	6050	C4	104	6097	C4	104	6135-9	C7	150
5957	A3	11	6004	B4	62	6051	C4	104	6098	C4	104	6135-10	C7	150
5958	A3	11	6005	B4	62	6052	C4	104	6099	C4	104	6135-11	C7	150
5959	A3	11	6006	B4	62	6053	C3	93	6100	C4	104	6135-12	C7	150
5960	A3	11	6007	B4	62	6054	C4	104	6101	C4	104	6136	C7	150
5961	B7	72	6008	B4	62	6055	C3	93	6102	C4	104	6137	C5	125
5962	B2	45	6009	B4	62	6056	C1	82	6103	C4	104	6138	C5	125
5963	B2	45	6010	B4	62	6057	C3	93	6104	C4	104	6139	C5	125
5964	B2	45	6011	B4	62	6058	C4	104	6105	C4	104	6140	C5	125
5965	B2	45	6012	B4	62	6059	C4	104	6106	C4	105	6141	C5	125
5966	B2	45	6013	B4	62	6060	C3	93	6107	C4	105	6142	C5	125
5967	B2	45	6014	C1	82	6061	C2	87	6108	C4	105	6143	C6	132
5968	B2	45	6015	C1	82	6062	C2	87	6109	C4	105	6144	C7	150
5969	B2	45	6016	C1	82	6063	C2	87	6110	C4	105	6145	C7	150
5970	B2	45	6017	C1	82	6064	C2	87	6111	C4	105	6146	C6	132
5971	B2	45	6018	C4	104	6065	C3	93	6112	C4	105	6147	C6	132
5972	B2	45	6019	C3	93	6066	C2	87	6113	C4	105	6148	C6	132
5973	B2	45	6020	C4	104	6067	C3	93	6114	C4	105	6149	C6	132
5974	B2	45	6021	C3	93	6068	C2	87	6115	C4	105	6150	C6	132
5975	B7	72	6022	C4	104	6069	C2	87	6116	C4	105	6151	C6	132
5976	B7	72	6023	C3	93	6070	C2	87	6117	C6	131	6152	C6	132
5977	B3	59	6024	C4	104	6071	C2	87	6118	C6	131	6153	C6	132
5978	B1	28	6025	C3	93	6072	C2	87	6119	C6	132	6154	C6	132
5979	B1	28	6026	C4	104	6073	C2	87	6120	C6	132	6155	C6	132
5980	B1	28	6027	C3	93	6074	C2	87	6121	C6	132	6156	C6	132
5981	B1	28	6028	C4	104	6075	C2	87	6122	C6	132	6157	C6	132
5982	B1	28	6029	C3	93	6076	C3	94	6123	C6	132	6158	C6	132
5983	B1	28	6030	C4	104	6077	C2	87	6124	C6	132	6159	D2	159
5984	B1	28	6031	C3	93	6078	C3	94	6125	C6	132	6160	D2	159
5985	B1	28	6032	C4	104	6079	C4	104	6126	C6	132	6161	D2	160
5986	B1	28	6033	C3	93	6080	C4	104	6127	C7	149	6162	D2	160
5987	B3	59	6034	C4	104	6081	C4	104	6128	C7	149	6163	D3	164
5988	B3	59	6035	F3	174	6082	C4	104	6129	C7	149	6164	D3	164
5989	B3	59	6036	C4	104	6083	C4	104	6130	C7	149	6165	D2	160
5990	B3	59	6037	C3	93	6084	C4	104	6131	C7	149	6166	D2	160
5991	B3	59	6038	C4	104	6085	C4	104	6132	C7	149	6167	D2	160
5992	B3	59	6039	C3	93	6086	C4	104	6133	C7	149	6168	D3	164
5993	B3	59	6040	C3	93	6087	C4	104	6134	C7	149	6169	D3	164
5994	B3	59	6041	C3	93	6088	C4	104	6135	C7	149	6170	D3	164
5995	B3	59	6042	C4	104	6089	C4	104	6135-1	C7	149	6171	D3	164
5996	B3	59	6043	C4	104	6090	C4	104	6135-2	C7	149	6172	D2	160
5997	B3	59	6044	C4	104	6091	C4	104	6135-3	C7	149	6173	D2	160
5998	B3	59	6045	C4	104	6092	C4	104	6135-4	C7	149	6174	D2	160
5999	B3	59	6046	C4	104	6093	C4	104	6135-5	C7	150	6175	D2	160
6000	B2	45	6047	C4	104	6094	C4	104	6135-6	C7	150	6176	F3	174
6001	B2	45	6048	C4	104	6095	C4	104	6135-7	C7	150	6177	F3	174
6002	B2	45	6049	C4	104	6096	C4	104	6135-8	C7	150	6178	F3	174

## CONTENTS (by CNS Number)

CNS no.	Category no.	Page	CNS no.	Category no.	Page	CNS no.	Category no.	Page	CNS no.	Category no.	Page	CNS no.	Category no.	Page
6179	F3	174	6226	K9	285	6263-10	S2	371	6308	B1	28	6351-4	K5	229
6180	F3	174	6227	K9	285	6263-11	S2	371	6309	B1	28	6352	K5	229
6181	F3	174	6228	K9	285	6263-12	S2	371	6310	B1	28	6353	K5	229
6182	F3	174	6229	K9	285	6264	S2	372	6311	B1	28	6354	K5	229
6183	G3	193	6230	K9	285	6265	S2	372	6312	B2	45	6355	K5	230
6184	G2	184	6231	K9	285	6266	S2	372	6313	C5	125	6356	K5	230
6185	G3	193	6232	K9	285	6267	S2	372	6314	C5	125	6357	K6	246
6186	G2	184	6233	K9	285	6268	S2	372	6315	C5	125	6358	K6	246
6187	K6	245	6234	K9	285	6269	S2	372	6316	C6	132	6359	K6	246
6188	K6	245	6235	K2	218	6270	S2	372	6317	C5	125	6360	K6	246
6189	K6	245	6236	K2	218	6271	S2	372	6318	C5	125	6361	K6	246
6190	K6	245	6237	K2	218	6272	T1	379	6319	C5	125	6362	K6	246
6191	K6	245	6238	K6	246	6273	T1	379	6320	C5	125	6363	K6	246
6192	K6	245	6239	K6	246	6274	T1	379	6321	C5	125	6364	K6	246
6193	K6	245	6240	K6	246	6275	T1	379	6322	D2	160	6365	K6	246
6194	K6	245	6241	K6	246	6276	T1	379	6323	D2	160	6366	K6	246
6195	K6	245	6242	L3	293	6277	T1	379	6324	D2	160	6367	L4	300
6196	K6	245	6243	L3	293	6278	T1	379	6325	F3	174	6368	L4	300
6197	K6	245	6244	L3	293	6279	T1	379	6326	F3	174	6369	L4	300
6198	K6	245	6245	L3	293	6280	T1	379	6327	F3	174	6370	L4	300
6199	K6	245	6246	N6	329	6281	T1	379	6328	F3	174	6371	L4	300
6200	K6	245	6247	N5	324	6282	T1	379	6329	F3	174	6372	L4	300
6201	K6	245	6248	N5	324	6283	T1	379	6330	F3	174	6373	L4	300
6202	K6	245	6249	N5	324	6284	T1	379	6331	G3	193	6374	L4	300
6203	K6	245	6250	N5	324	6285	T1	379	6332	G2	184	6375	L4	300
6204	K6	245	6251	N5	324	6286	T1	379	6333	G3	193	6376	L4	300
6205	K6	245	6252	N6	329	6287	T1	379	6334	G2	184	6377	L4	300
6206	K6	245	6253	N6	329	6288	T1	379	6335	G3	193	6378	L4	300
6207	K6	245	6254	N6	329	6289	T1	379	6336	G2	184	6379	L4	300
6208	K6	246	6255	N6	329	6290	T1	379	6337	H2	198	6380	L4	300
6209	K6	246	6256	N6	329	6291	T1	379	6338	H3	203	6381	L4	300
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6211	K6	246	6258	N6	329	6293	Z9	465	6340	H3	204	6383	L4	300
6212	K6	246	6259	N6	329	6294	Z9	465	6341	H3	204	6384	L4	300
6213	K6	246	6260	N6	329	6295	Z9	465	6342	H3	204	6385	L4	300
6214	K6	246	6261	S2	371	6296	Z9	465	6343	H3	204	6386	L4	300
6215	K6	246	6262	S2	371	6297	Z9	465	6344	H3	204	6387	L4	300
6216	K0	210	6263	S2	371	6298	A1	1	6345	H3	204	6388	L4	300
6217	K0	210	6263-1	S2	371	6299	A1	1	6346	K5	229	6389	L3	293
6218	K0	210	6263-2	S2	371	6300	A1	1	6347	K5	229	6390	N6	329
6219	K0	210	6263-3	S2	371	6301	A3	11	6348	K5	229	6391	N6	329
6220	K0	210	6263-4	S2	371	6302	A3	11	6349	K5	229	6392	N6	329
6221	K0	210	6263-5	S2	371	6303	A3	11	6350	K5	229	6393	N6	329
6222	K0	210	6263-6	S2	371	6304	B7	72	6351	K5	229	6394	N5	324
6223	K0	210	6263-7	S2	371	6305	B7	72	6351-1	K5	229	6395	T3	383
6224	K3	223	6263-8	S2	371	6306	B3	59	6351-2	K5	229	6396	T3	383
6225	K6	246	6263-9	S2	371	6307	B1	28	6351-3	K5	229	6397	T3	383

## CONTENTS (by CNS Number)

CNS no.	Category no.	Page	CNS no.	Category no.	Page	CNS no.	Category no.	Page	CNS no.	Category no.	Page	CNS no.	Category no.	Page
6398	T3	383	6445	G3	193	6492	K0	210	6539	A2	4	6586	L3	293
6399	T3	383	6446	G2	184	6493	K0	210	6540	A3	11	6587	L3	293
6400	A2	4	6447	G3	193	6494	K0	210	6541	A1	1	6588	L3	293
6401	B3	59	6448	G2	184	6495	M1	302	6542	A3	11	6589	M4	310
6402	B3	59	6449	K5	230	6496	M1	302	6543	B4	62	6590	M4	310
6403	B3	59	6450	K5	230	6497	M1	302	6544	B4	62	6591	M4	310
6404	B3	59	6451	K5	230	6498	M1	302	6545	B3	60	6592	M2	304
6405	B3	59	6452	K5	230	6499	M1	302	6546	B3	60	6593	M2	304
6406	B7	72	6453	K5	230	6500	N4	317	6547	B3	60	6594	M3	305
6407	B2	45	6454	K5	230	6501	N4	317	6548	B3	60	6595	M3	305
6408	B2	45	6455	K5	230	6502	N6	329	6549	B3	60	6596	M3	305
6409	B2	45	6456	K5	230	6503	N5	324	6550	B3	60	6597	M2	304
6410	B2	45	6457	K5	230	6504	N6	329	6551	B3	60	6598	M2	304
6411	B2	45	6458	K5	230	6505	N5	324	6552	B7	72	6599	M2	304
6412	B2	45	6459	K5	230	6506	N5	324	6553	B7	72	6600	M2	304
6413	B2	45	6460	K5	230	6507	N6	329	6554	C2	87	6601	M2	304
6414	B2	45	6461	K5	230	6508	N5	324	6555	C2	87	6602	N1	312
6415	B2	45	6462	K5	230	6509	N6	329	6556	C2	87	6603	N4	317
6416	B3	59	6463	K5	230	6510	N6	329	6557	C3	94	6604	N4	317
6417	B3	59	6464	K5	230	6511	N6	329	6558	C7	150	6605	N4	317
6418	B3	59	6465	K5	230	6512	N6	329	6559	C7	150	6606	N5	324
6419	B1	28	6466	K5	230	6513	R2	354	6560	C5	125	6607	N5	325
6420	B2	45	6467	K5	230	6514	R1	352	6561	C5	125	6608	N6	330
6421	B2	45	6468	K5	230	6515	R1	352	6562	F3	174	6609	N6	330
6422	B1	28	6469	K5	230	6516	R3	359	6563	F3	174	6610	N6	330
6423	B1	28	6470	K2	218	6517	R2	354	6564	F3	174	6611	N6	330
6424	B1	29	6471	K6	246	6518	R2	354	6565	F3	174	6612	R2	354
6425	B3	60	6472	K6	246	6519	R2	354	6566	F3	174	6613	R2	354
6426	B1	29	6473	K6	246	6520	R2	354	6567	F3	174	6614	R3	359
6427	C4	105	6474	K6	246	6521	R2	354	6568	G3	193	6615	B4	62
6428	C4	105	6475	K2	218	6522	R2	354	6569	G2	184	6616	T3	383
6429	C4	105	6476	K9	285	6523	R2	354	6570	K6	246	6617	T3	383
6430	C4	105	6477	K9	285	6524	R2	354	6571	K6	246	6618	T3	383
6431	C3	94	6478	K9	285	6525	R2	354	6572	K6	246	6619	T3	383
6432	C1	82	6479	K3	223	6526	R2	354	6573	K6	246	6620	T3	383
6433	C7	150	6480	K3	223	6527	S1	365	6574	K6	246	6621	T3	383
6434	C7	150	6481	K6	246	6528	S2	372	6575	K6	246	6622	T3	383
6435	C5	125	6482	K3	223	6529	S2	372	6576	K6	246	6623	T3	383
6436	D2	160	6483	K6	246	6530	S2	372	6577	K6	246	6624	T3	383
6437	F3	174	6484	K3	223	6531	S2	372	6578	K6	246	6625	T3	383
6438	F3	174	6485	K6	246	6532	A3	11	6579	K6	246	6626	T1	379
6439	F3	174	6486	K6	246	6533	A2	4	6580	K6	247	6627	T1	379
6440	F3	174	6487	K6	246	6534	A2	4	6581	L2	289	6628	T2	382
6441	F3	174	6488	K6	246	6535	A2	4	6582	L3	293	6629	T2	382
6442	F3	174	6489	K6	246	6536	A2	4	6583	L3	293	6630	S1	365
6443	F3	174	6490	K0	210	6537	A2	4	6584	L3	293	6631	S2	372
6444	F3	174	6491	K4	227	6538	A2	4	6585	L3	293	6632	S1	365

## CONTENTS (by CNS Number)

CNS no.	Category no.	Page	CNS no.	Category no.	Page	CNS no.	Category no.	Page	CNS no.	Category no.	Page	CNS no.	Category no.	Page
6633	S2	372	6680	K6	247	6727	Z5	444	6774	C4	105	6821	F4	178
6634	S1	365	6681	K6	247	6728	Z6	447	6775	C4	105	6822	F4	178
6635	S2	372	6682	K6	247	6729	Z5	444	6776	C4	105	6823	F4	178
6636	Z2	432	6683	K6	247	6730	Z6	447	6777	C4	105	6824	F4	178
6637	Z2	432	6684	K6	247	6731	A3	11	6778	C4	105	6825	F3	174
6638	Z2	432	6685	L3	293	6732	B2	45	6779	C4	105	6826	F3	174
6639	Z5	443	6686	L3	293	6733	B1	29	6780	C4	105	6827	F3	174
6640	Z5	443	6687	L3	293	6734	B3	60	6781	C4	105	6828	F3	174
6641	B4	62	6688	L3	293	6735	B3	60	6782	C4	105	6829	F3	174
6642	B4	62	6689	L4	300	6736	B2	45	6783	C4	105	6830	F3	175
6643	B4	62	6690	L4	300	6737	B7	72	6784	C4	105	6831	F3	175
6644	B2	45	6691	L4	300	6738	B7	72	6785	C4	105	6832	F3	175
6645	C2	87	6692	L4	300	6739	B7	72	6786	C4	105	6833	F3	175
6646	C2	87	6693	L4	300	6740	B1	29	6787	C4	105	6834	K6	247
6647	C3	94	6694	L4	300	6741	B2	45	6788	C4	105	6834-1	K6	247
6648	C2	87	6695	L4	300	6742	B3	60	6789	C4	105	6834-2	K6	247
6649	C3	94	6696	L4	300	6743	B1	29	6790	C4	105	6834-3	K6	247
6650	C2	87	6697	M4	310	6744	B1	29	6791	C4	105	6834-4	K6	247
6651	C4	105	6698	M3	305	6745	B1	29	6792	C4	105	6834-5	K6	247
6652	C3	94	6699	M2	304	6746	B1	29	6793	C4	105	6834-6	K6	247
6653	C4	105	6700	M2	304	6747	B1	29	6794	C4	105	6834-7	K6	247
6654	C3	94	6701	M2	304	6748	B1	29	6795	C4	105	6834-8	K6	247
6655	C7	150	6702	M2	304	6749	B1	29	6796	C4	105	6834-9	K6	247
6656	C7	150	6703	M2	304	6750	B1	29	6797	C4	105	6834-10	K6	247
6657	C7	150	6704	M2	304	6751	B1	29	6798	C5	125	6835	K6	247
6658	C7	150	6705	M2	304	6752	B1	29	6799	C6	132	6836	K6	247
6659	C7	150	6706	M3	305	6753	B1	29	6800	C6	132	6837	K6	247
6660	C7	150	6707	M4	310	6754	B1	29	6801	C6	132	6838	K6	247
6661	C5	125	6708	M3	305	6755	B1	29	6802	C6	132	6839	K0	210
6662	C5	125	6709	M4	310	6756	B1	29	6803	C7	150	6840	K0	210
6663	C6	132	6710	N4	317	6757	B1	29	6804	C7	150	6841	L4	300
6664	C6	132	6711	N4	317	6758	B1	29	6805	C6	133	6842	L3	293
6665	D3	164	6712	N4	317	6759	B1	29	6806	C5	125	6843	M2	304
6666	G3	193	6713	O2	340	6760	B1	29	6807	C5	125	6844	M2	304
6667	G2	184	6714	O2	340	6761	B3	60	6808	C5	125	6845	M2	304
6668	G3	193	6715	O2	340	6762	B3	60	6809	C5	125	6846	M2	304
6669	G2	184	6716	O2	340	6763	B3	60	6810	D2	160	6847	M2	304
6670	K6	247	6717	O2	340	6764	B3	60	6811	D2	160	6848	N1	312
6671	K6	247	6718	O2	340	6765	C1	82	6812	D3	164	6849	N5	325
6672	K6	247	6719	O2	340	6766	C4	105	6813	D2	160	6850	R3	359
6673	K9	285	6720	T3	383	6767	C4	105	6814	D2	160	6851	R3	359
6674	K9	285	6721	T3	383	6768	C1	82	6815	D2	160	6852	R3	359
6675	K9	285	6722	T3	383	6769	C1	82	6816	D2	160	6853	S1	365
6676	K9	285	6723	T3	383	6770	C2	87	6817	F3	174	6854	S1	365
6677	K6	247	6724	T3	383	6771	C4	105	6818	F4	178	6855	S1	365
6678	K6	247	6725	Z5	444	6772	C3	94	6819	F4	178	6856	S1	365
6679	K6	247	6726	Z5	444	6773	C3	94	6820	F3	174	6857	S1	365

## CONTENTS (by CNS Number)

CNS no.	Category no.	Page	CNS no.	Category no.	Page	CNS no.	Category no.	Page	CNS no.	Category no.	Page	CNS no.	Category no.	Page
6858	S1	365	6905	D2	160	6952	R2	354	6999	B7	72	7046	K3	223
6859	S1	365	6906	D2	160	6953	R2	354	7000	B7	72	7046-1	K3	223
6860	Z2	433	6907	D2	160	6954	R2	354	7001	B3	60	7046-2	K3	223
6861	Z2	433	6908	D2	160	6955	R2	354	7002	B3	60	7046-3	K3	223
6862	Z2	433	6909	D2	160	6956	R2	354	7003	B3	60	7046-5	K3	223
6863	Z2	433	6910	D2	160	6957	R2	354	7004	B3	60	7046-7	K3	223
6864	Z5	444	6911	D2	160	6958	R2	354	7005	B2	46	7047	K6	248
6865	Z6	447	6912	F3	175	6959	R2	355	7006	C4	105	7048	K6	248
6866	Z6	447	6913	F3	175	6960	R2	355	7007	C3	94	7049	K6	248
6867	Z6	447	6914	F3	175	6961	T3	383	7008	C4	105	7050	K6	248
6868	Z6	447	6915	F3	175	6962	T3	384	7009	C3	94	7051	K6	248
6869	Z6	447	6916	F3	175	6963	T3	384	7010	C5	126	7052	K9	285
6870	Z7	450	6917	F3	175	6964	T3	384	7011	C5	126	7053	K9	285
6871	A2	4	6918	F3	175	6965	T3	384	7012	C6	133	7054	K9	285
6872	A3	11	6919	G3	193	6966	T1	379	7013	C6	133	7055	K9	285
6873	A3	11	6920	G3	193	6967	T1	379	7014	C5	126	7056	K3	223
6874	A3	11	6921	K4	227	6968	T1	379	7015	C5	126	7057	K6	248
6875	B2	45	6922	K4	227	6969	T1	379	7016	C5	126	7058	L3	293
6876	B3	60	6923	K4	227	6970	T1	379	7017	C5	126	7059	L3	293
6877	B3	60	6924	K4	227	6971	T1	379	7018	C5	126	7060	L3	293
6878	B3	60	6925	K4	227	6972	T1	379	7019	C5	126	7061	L3	293
6879	B3	60	6926	K4	227	6973	T1	379	7020	C5	126	7062	L4	300
6880	B3	60	6927	K4	227	6974	T1	379	7021	C5	126	7063	L4	300
6881	B3	60	6928	K6	247	6975	T1	379	7022	C5	126	7064	L4	301
6882	B2	45	6929	K6	247	6976	Z5	444	7023	D2	160	7065	L4	301
6883	B2	45	6930	K6	247	6977	Z5	444	7024	D2	160	7066	N4	317
6884	B2	45	6931	K6	247	6978	Z5	444	7025	D2	160	7067	N4	318
6885	B2	45	6932	K6	247	6979	Z5	444	7026	D2	160	7068	N3	314
6886	B2	45	6933	K6	247	6980	Z5	444	7027	D2	160	7069	N5	325
6887	C1	82	6934	L3	293	6981	Z5	444	7028	D2	160	7070	N6	330
6888	C4	105	6935	L3	293	6982	Z5	444	7029	D2	160	7071	S1	365
6889	C3	94	6936	L3	293	6983	Z5	444	7030	D2	160	7072	S1	366
6890	C4	105	6937	M3	305	6984	Z7	451	7031	D2	160	7073	S1	366
6891	C3	94	6938	M3	305	6985	A2	4	7032	D2	160	7074	S1	366
6892	X4	413	6939	M3	305	6986	A2	4	7033	E1	169	7075	S1	366
6893	X4	413	6940	N4	317	6987	A2	4	7034	J2	206	7076	S1	366
6894	X4	413	6941	N4	317	6988	A3	11	7035	J2	206	7077	S1	366
6895	X4	413	6942	N4	317	6989	A2	4	7036	J2	206	7078	S1	366
6896	X4	413	6943	N4	317	6990	A2	4	7037	J2	206	7079	S1	366
6897	X4	414	6944	N4	317	6991	A2	4	7038	J2	206	7080	S2	372
6898	C5	125	6945	N5	325	6992	A2	4	7039	K6	247	7081	S1	366
6899	C6	133	6946	P3	346	6993	A2	4	7040	K6	247	7082	S2	372
6900	C5	125	6947	P3	346	6994	A2	4	7041	K6	247	7083	T3	384
6901	C5	125	6948	P3	346	6995	A2	4	7042	K6	248	7084	T3	384
6902	D2	160	6949	P3	346	6996	A2	4	7043	K6	248	7085	T3	384
6903	D2	160	6950	P3	346	6997	B1	29	7044	K3	223	7086	T3	384
6904	D2	160	6951	P3	346	6998	B1	29	7045	K6	248	7087	T3	384

## CONTENTS (by CNS Number)

CNS no.	Category no.	Page	CNS no.	Category no.	Page	CNS no.	Category no.	Page	CNS no.	Category no.	Page	CNS no.	Category no.	Page
7088	Z2	433	7135	D2	160	7182	Z5	444	7229	C6	133	7273	L3	294
7089	Z3	437	7136	D2	160	7183	Z8	461	7230	C6	133	7274	L4	301
7090	Z5	444	7137	D3	164	7184	A2	4	7231	C6	133	7275	L3	294
7091	Z5	444	7138	D3	164	7185	A2	4	7232	F3	175	7276	L4	301
7092	Z6	447	7139	D3	164	7186	B1	29	7233	F3	175	7277	L3	294
7093	Z6	447	7140	D2	160	7187	B1	29	7234	F3	175	7278	L4	301
7094	Z8	461	7141	G3	193	7188	B2	46	7235	F3	175	7279	L3	294
7095	Z8	461	7142	G2	184	7189	B2	46	7236	F3	175	7280	M3	305
7096	Z9	465	7143	G3	193	7190	B1	29	7237	F3	175	7281	M3	305
7097	Z9	465	7144	G2	184	7191	B1	29	7238	F3	175	7282	M3	305
7098	Z9	465	7145	G3	193	7192	B3	60	7239	F3	175	7283	M3	305
7099	Z9	465	7146	G2	184	7193	B3	60	7240	F3	175	7284	M3	305
7100	Z9	465	7147	G3	193	7194	B3	60	7241	F3	175	7285	M3	305
7101	A4	22	7148	G2	184	7195	B3	60	7242	F3	175	7286	M3	305
7102	A4	22	7149	G3	193	7196	B3	60	7243	F3	175	7287	M3	305
7103	A4	22	7150	G2	184	7197	B5	65	7244	F3	175	7288	M3	305
7104	B2	46	7151	J2	206	7198	B5	65	7245	F3	175	7289	M3	305
7105	B2	46	7152	J2	206	7199	B6	67	7246	F3	175	7290	M3	305
7106	B2	46	7153	J2	206	7200	B6	67	7247	K9	285	7291	M3	305
7107	B2	46	7154	J2	206	7201	B6	67	7248	Z3	437	7292	N1	312
7108	B2	46	7155	J3	209	7202	B6	67	7248-1	Z3	437	7293	N4	318
7109	B2	46	7156	K1	215	7203	B1	29	7248-2	Z3	437	7294	N4	318
7110	B2	46	7157	K1	215	7204	B1	29	7248-3	Z3	437	7295	N4	318
7111	B2	46	7158	K1	215	7205	B1	29	7249	Z1	430	7296	P3	346
7112	B2	46	7159	K3	223	7206	B1	29	7250	Z8	461	7297	P3	346
7113	B2	46	7160	K6	248	7207	B1	29	7251	K9	285	7298	P3	346
7114	B2	46	7161	K3	223	7208	C4	105	7252	K9	285	7299	P3	346
7115	B2	46	7162	K6	248	7209	C4	105	7253	K6	248	7300	R2	355
7116	B2	46	7163	K6	248	7210	C3	94	7254	K6	248	7301	R2	355
7117	B2	46	7164	K6	248	7211	C1	82	7255	K6	248	7302	R2	355
7118	B2	46	7165	K6	248	7212	C4	105	7256	K6	248	7303	R2	355
7119	B2	46	7166	K6	248	7213	C4	105	7257	K6	248	7304	R2	355
7120	B1	29	7167	K6	248	7214	C3	94	7258	K6	248	7305	R2	355
7121	C4	105	7168	K6	248	7215	C4	105	7259	K6	248	7306	R2	355
7122	C3	94	7169	K6	248	7216	C4	105	7260	K6	248	7307	R2	355
7123	C4	105	7170	K6	248	7217	C4	105	7261	K6	248	7308	R2	355
7124	C3	94	7171	L2	289	7218	C4	106	7262	L2	289	7309	R2	355
7125	C2	87	7172	L2	289	7219	X5	415	7263	L2	289	7310	R2	355
7126	C3	94	7173	O2	340	7220	X4	414	7264	L3	293	7311	R2	355
7127	C7	150	7174	Z2	433	7221	X5	415	7265	L3	293	7312	R2	355
7128	C7	150	7175	Z2	433	7222	X5	415	7266	L4	301	7313	R2	355
7129	C7	150	7176	Z2	433	7223	X5	415	7267	L4	301	7314	R2	355
7130	C7	150	7177	Z2	433	7224	X4	414	7268	L4	301	7315	R2	355
7131	C7	150	7178	Z2	433	7225	X0	393	7269	L4	301	7316	R2	355
7132	D2	160	7179	Z6	447	7226	C5	126	7270	L3	293	7317	R2	355
7133	D2	160	7180	Z6	447	7227	C7	150	7271	L3	293	7318	R2	355
7134	D2	160	7181	Z5	444	7228	C6	133	7272	L3	293	7319	R2	355

## CONTENTS (by CNS Number)

CNS no.	Category no.	Page	CNS no.	Category no.	Page	CNS no.	Category no.	Page	CNS no.	Category no.	Page	CNS no.	Category no.	Page
7320	R2	355	7367	C6	133	7414	K5	230	7461	Z7	451	7508	L3	294
7321	R2	355	7368	D1	156	7415	K5	230	7462	Z7	451	7509	M3	306
7322	R2	355	7369	F3	175	7416	K5	230	7463	Z7	451	7510	M3	306
7323	S1	366	7370	F3	175	7417	K5	230	7464	Z7	451	7511	M3	306
7324	T1	379	7371	F3	175	7418	K5	230	7465	Z7	451	7512	M3	306
7325	T1	379	7372	F3	175	7419	K5	230	7466	Z7	451	7513	M3	306
7326	T1	379	7373	F3	175	7420	K5	230	7467	Z7	451	7514	M3	306
7327	T1	379	7374	F3	175	7421	K5	230	7468	Z7	451	7515	M3	306
7328	T1	379	7375	G2	185	7422	K5	230	7469	Z7	451	7516	M3	306
7329	T2	382	7376	G2	185	7423	K5	230	7470	Z7	451	7517	M3	306
7330	Z8	461	7377	G3	193	7424	K5	230	7471	Z7	451	7518	M3	306
7331	A2	4	7378	G2	185	7425	K5	230	7472	Z7	451	7519	M3	306
7332	A3	11	7379	G3	193	7426	K5	230	7473	Z8	461	7520	M3	306
7333	A3	11	7380	G2	185	7427	K1	216	7474	Z9	465	7521	N5	325
7334	A2	4	7381	G3	193	7428	K1	216	7475	Z9	465	7522	N5	325
7335	A4	22	7382	G2	185	7429	K1	216	7476	Z9	465	7523	N5	325
7336	B7	72	7383	G3	193	7430	K1	216	7477	A2	4	7524	N5	325
7337	B2	46	7384	G2	185	7431	K1	216	7478	A3	11	7525	N5	325
7338	B2	46	7385	G3	193	7432	K1	216	7479	G3	193	7526	N5	325
7339	B2	46	7386	G2	185	7433	K1	216	7480	G2	185	7527	N5	325
7340	B2	46	7387	J2	206	7434	K6	248	7481	G3	193	7528	N5	325
7341	B6	67	7388	J2	206	7435	K6	248	7482	G3	193	7529	R3	359
7342	B6	67	7389	J2	206	7436	K6	248	7483	G3	193	7530	R3	359
7343	B6	67	7390	J2	206	7437	K6	248	7484	G3	193	7531	R3	359
7344	B3	60	7391	J2	206	7438	K6	248	7485	G3	193	7532	Z2	433
7345	B3	60	7392	J2	206	7439	K9	285	7486	G3	193	7533	Z3	437
7346	B3	60	7393	J2	206	7440	K9	285	7487	G3	193	7534	Z2	433
7347	B3	60	7394	J2	206	7441	M3	305	7488	H3	204	7535	Z3	437
7348	B3	60	7395	J2	206	7442	M3	306	7489	H2	198	7536	Z3	437
7349	B3	60	7396	K6	248	7443	M3	306	7490	J2	206	7537	Z6	447
7350	B3	60	7397	K6	248	7444	S2	372	7491	J2	206	7538	Z5	444
7351	B3	60	7398	K3	223	7445	S1	366	7492	J2	206	7539	Z5	444
7352	B3	60	7399	K3	223	7446	S1	366	7493	J2	206	7540	Z5	444
7353	C2	87	7400	K3	223	7447	S1	366	7494	J2	206	7541	Z5	444
7354	C2	87	7401	K3	223	7448	S2	372	7495	L3	294	7542	Z5	444
7355	C3	94	7402	K3	223	7449	S1	366	7496	L3	294	7543	Z5	444
7356	C4	106	7403	K6	248	7450	S2	372	7497	L3	294	7544	Z5	444
7357	C2	87	7404	K6	248	7451	S1	366	7498	L3	294	7545	Z5	444
7358	C3	94	7405	K6	248	7452	T3	384	7499	L3	294	7546	Z5	444
7359	C4	106	7406	K6	248	7453	T3	384	7500	L3	294	7547	B6	67
7360	C5	126	7407	K6	248	7454	T3	384	7501	L3	294	7548	B6	67
7361	C5	126	7408	K6	248	7455	T3	384	7502	L3	294	7549	B6	67
7362	C5	126	7409	K6	248	7456	T3	384	7503	L4	301	7550	B4	62
7363	C5	126	7410	K5	230	7457	Z5	444	7504	L3	294	7551	B2	46
7364	C5	126	7411	K5	230	7458	Z5	444	7505	L4	301	7552	B2	46
7365	C5	126	7412	K5	230	7459	Z6	447	7506	L3	294	7553	B2	46
7366	C5	126	7413	K5	230	7460	Z7	451	7507	L4	301	7554	B2	46



## CONTENTS (by CNS Number)

CNS no.	Category no.	Page	CNS no.	Category no.	Page	CNS no.	Category no.	Page	CNS no.	Category no.	Page	CNS no.	Category no.	Page
7555	B2	46	7602	C4	106	7649	C5	126	7696	F3	175	7743	L3	294
7556	B2	46	7603	C4	106	7650	C6	133	7697	J2	206	7744	L4	301
7557	B2	46	7604	C4	106	7651	C5	126	7698	J2	207	7745	L3	294
7558	B2	46	7605	C4	106	7652	C5	126	7699	J2	207	7746	M2	304
7559	B2	46	7606	C4	106	7653	C5	126	7700	J2	207	7747	P3	346
7560	B2	46	7607	C4	106	7654	X5	415	7701	K6	248	7748	P3	346
7561	B2	46	7608	C4	106	7655	C5	126	7702	K6	248	7749	P3	346
7562	B2	46	7609	C4	106	7656	X5	415	7703	K6	249	7750	P2	344
7563	B2	46	7610	C4	106	7657	C6	133	7704	K6	249	7751	S1	366
7564	B2	46	7611	A2	4	7658	C6	133	7705	K6	249	7752	S2	372
7565	B2	46	7612	A2	4	7659	C6	133	7706	K8	283	7753	S1	366
7566	B2	46	7613	A3	11	7660	C6	133	7707	K8	283	7754	T1	379
7567	B2	46	7614	A3	11	7661	C6	133	7708	K7	280	7755	T1	379
7568	B2	46	7615	B1	29	7662	C6	133	7709	K7	280	7756	T3	384
7569	B2	46	7616	B1	30	7663	C6	133	7710	K7	280	7757	T3	384
7570	B2	46	7617	B1	30	7664	C6	133	7711	K7	280	7758	T3	384
7571	B2	46	7618	B1	30	7665	D3	164	7712	K7	280	7759	Z2	433
7572	B1	29	7619	C4	106	7666	D3	164	7713	K7	280	7760	Z2	433
7573	B1	29	7620	C3	94	7667	D2	160	7714	K7	280	7761	Z7	451
7574	B1	29	7621	C1	82	7668	D2	160	7715	K7	280	7762	Z7	451
7575	B1	29	7622	C3	94	7669	D1	156	7716	K7	280	7763	Z7	451
7576	B1	29	7623	C4	106	7670	D1	156	7717	K7	280	7764	Z7	451
7577	B1	29	7624	C3	94	7671	D1	156	7718	K7	280	7765	Z7	451
7578	B1	29	7625	C4	106	7672	D3	164	7719	K7	280	7766	Z7	451
7579	B1	29	7626	C3	94	7673	D3	164	7720	K7	280	7767	Z7	451
7580	B1	29	7627	C4	106	7674	D1	156	7721	K7	280	7768	Z7	451
7581	B2	46	7628	C3	94	7675	D2	160	7722	K7	280	7769	Z7	451
7582	B2	46	7629	C3	94	7676	D2	160	7723	K7	280	7770	Z7	451
7583	B2	46	7630	C3	94	7677	D2	160	7724	K6	249	7771	Z7	451
7584	B2	46	7631	C3	94	7678	D2	160	7725	K6	249	7772	Z7	451
7585	B2	46	7632	C3	94	7679	D2	160	7726	K6	249	7773	Z8	461
7586	B2	46	7633	C6	133	7680	D2	160	7727	K6	249	7774	A2	4
7587	B2	47	7634	C6	133	7681	D2	161	7728	K6	249	7775	B1	30
7588	B2	47	7635	C7	150	7682	F3	175	7729	K6	249	7776	B1	30
7589	B2	47	7636	C6	133	7683	F3	175	7730	K7	280	7777	B7	72
7590	B1	29	7637	C6	133	7684	F3	175	7731	K7	280	7778	B4	62
7591	B1	29	7638	C6	133	7685	F3	175	7732	K7	280	7779	B7	72
7592	B1	29	7639	C6	133	7686	F3	175	7733	K7	280	7779-1	B7	72
7593	B2	47	7640	C6	133	7687	F3	175	7734	K6	249	7779-2	B7	72
7594	B2	47	7641	C6	133	7688	F3	175	7735	K6	249	7779-3	B7	72
7595	B2	47	7642	C6	133	7689	F3	175	7736	L4	301	7779-4	B7	72
7596	B2	47	7643	C6	133	7690	F3	175	7737	L3	294	7780	C2	87
7597	C4	106	7644	C6	133	7691	F3	175	7738	L4	301	7781	C2	87
7598	C4	106	7645	C6	133	7692	F3	175	7739	L3	294	7782	C2	87
7599	C4	106	7646	C6	133	7693	F3	175	7740	L4	301	7783	C2	88
7600	C3	94	7647	C6	133	7694	F3	175	7741	L3	294	7784	F5	179
7601	C4	106	7648	X0	393	7695	F3	175	7742	L4	301	7785	F5	179

## CONTENTS (by CNS Number)

CNS no.	Category no.	Page	CNS no.	Category no.	Page	CNS no.	Category no.	Page	CNS no.	Category no.	Page	CNS no.	Category no.	Page
7786	F5	179	7833	M3	306	7880	B4	62	7927	S1	366	7974	D2	161
7787	F3	175	7834	M3	306	7881	D1	156	7928	S2	372	7975	D2	161
7788	F3	175	7835	M3	306	7882	D2	161	7929	A2	4	7976	D2	161
7789	F3	175	7836	M3	306	7883	D2	161	7930	A3	11	7977	D3	164
7790	F3	175	7837	M3	306	7884	D3	164	7931	A2	4	7978	D2	161
7791	F3	175	7838	N4	318	7885	D3	164	7932	A2	4	7979	D2	161
7792	F3	175	7839	N6	330	7886	D3	164	7933	A2	4	7980	D1	156
7793	G2	185	7840	R3	359	7887	D2	161	7934	A2	4	7981	E1	169
7794	G3	193	7841	R3	359	7888	D1	156	7935	A2	5	7982	F4	178
7795	G2	185	7842	R3	359	7889	D2	161	7936	A2	5	7983	F4	178
7796	H1	197	7843	R3	359	7890	D2	161	7937	A2	5	7984	F3	176
7797	H3	204	7844	S1	366	7891	D2	161	7938	A2	5	7985	F3	176
7798	J3	209	7845	S2	372	7892	D2	161	7939	B1	30	7986	F3	176
7799	J3	209	7846	S1	366	7893	D2	161	7940	B2	47	7987	F3	176
7800	J3	209	7847	S2	372	7894	D1	156	7941	B2	47	7988	F5	179
7801	J3	209	7848	A4	22	7895	D3	164	7942	B7	72	7989	F5	179
7802	J3	209	7849	A3	11	7896	D3	164	7943	B1	30	7990	F5	179
7803	K7	280	7850	A4	22	7897	D3	164	7944	B2	47	7991	F5	179
7804	K7	280	7851	A2	4	7898	F3	175	7945	B2	47	7992	F5	179
7805	K7	280	7852	A3	11	7899	F3	175	7946	B1	30	7993	G3	193
7806	K7	280	7853	B2	47	7900	F3	175	7947	B1	30	7994	G2	185
7807	K7	280	7854	B1	30	7901	F3	175	7948	B2	47	7995	G3	193
7808	K7	280	7855	B2	47	7902	F3	176	7949	B2	47	7996	G2	185
7809	K7	280	7856	B1	30	7903	F3	176	7950	B2	47	7997	G3	193
7810	K9	285	7857	B1	30	7904	F3	176	7951	B2	47	7998	G2	185
7811	K9	285	7858	B1	30	7905	F3	176	7952	B7	72	7999	G3	193
7812	K7	280	7859	B1	30	7906	F5	179	7953	B2	47	8000	G2	185
7813	K7	280	7860	B2	47	7907	F5	179	7954	B7	72	8001	G2	185
7814	K7	280	7861	B2	47	7908	F5	179	7955	B6	67	8002	G2	185
7815	K7	280	7862	B2	47	7909	F5	179	7956	B6	67	8003	G2	185
7816	K7	280	7863	B2	47	7910	F5	179	7957	B6	67	8004	G2	185
7817	K7	281	7864	B2	47	7911	G3	193	7958	B6	67	8005	G2	185
7818	K7	281	7865	B2	47	7912	G2	185	7959	B7	72	8006	G2	185
7819	K6	249	7866	B2	47	7913	K6	249	7960	B6	67	8007	G2	185
7820	K7	281	7867	B2	47	7914	K6	249	7961	B7	72	8008	G2	185
7821	K7	281	7868	B1	30	7915	K6	249	7962	B7	72	8009	H3	204
7822	K7	281	7869	B4	62	7916	K6	249	7963	B7	72	8010	H2	198
7823	K7	281	7870	B6	67	7917	K5	230	7964	C4	106	8011	H2	198
7824	M3	306	7871	B6	67	7918	K5	230	7965	C3	94	8012	K6	249
7825	M3	306	7872	B6	67	7919	N6	330	7966	C2	88	8013	K6	249
7826	M3	306	7873	B6	67	7920	N6	330	7967	C2	88	8014	K1	216
7827	M3	306	7874	B7	72	7921	N6	330	7968	C2	88	8015	K6	249
7828	M3	306	7875	B7	72	7922	N6	330	7969	D2	161	8016	K1	216
7829	M3	306	7876	B7	72	7923	N5	325	7970	D1	156	8017	K6	249
7830	M3	306	7877	B7	72	7924	N5	325	7971	D2	161	8018	K1	216
7831	M3	306	7878	B4	62	7925	S1	366	7972	D2	161	8019	K6	249
7832	M3	306	7879	B4	62	7926	S2	372	7973	D2	161	8020	K1	216

## CONTENTS (by CNS Number)

CNS no.	Category no.	Page	CNS no.	Category no.	Page	CNS no.	Category no.	Page	CNS no.	Category no.	Page	CNS no.	Category no.	Page
8021	K6	249	8068	T2	382	8115	F3	176	8162	S2	372	8209	B2	48
8022	K1	216	8069	Z1	430	8116	F3	176	8163	S2	372	8210	B2	48
8023	K6	249	8070	Z5	444	8117	F3	176	8164	T2	382	8211	B2	48
8024	K1	216	8071	Z5	444	8118	F3	176	8165	T1	379	8212	B2	48
8025	K6	249	8072	A2	5	8119	G3	193	8166	T1	379	8213	B2	48
8026	K7	281	8073	A3	11	8120	G2	185	8167	T1	379	8214	B7	72
8027	K7	281	8074	A2	5	8121	G2	185	8168	T1	380	8215	B2	48
8028	K7	281	8075	A3	11	8122	G2	185	8169	Z5	444	8216	C6	133
8029	K7	281	8076	A2	5	8123	G2	185	8170	Z6	447	8217	C6	134
8030	K7	281	8077	A3	11	8124	G2	185	8171	Z5	444	8218	C6	134
8031	K9	285	8078	A2	5	8125	J3	209	8172	Z5	444	8219	C6	134
8032	K9	285	8079	A3	11	8126	J3	209	8173	Z7	451	8220	C6	134
8033	K6	249	8080	A4	22	8127	J3	209	8174	Z7	451	8221	C6	134
8034	L4	301	8081	A3	11	8128	J2	207	8175	Z7	451	8222	C6	134
8035	L3	294	8082	A2	5	8129	J2	207	8176	Z7	451	8223	C6	134
8036	L4	301	8083	A3	11	8130	K5	230	8177	Z7	451	8224	C6	134
8037	L3	294	8084	A1	1	8131	K5	230	8178	Z7	451	8225	C6	134
8038	L3	294	8085	B2	47	8132	K5	230	8179	Z7	451	8226	C6	134
8039	L3	294	8086	B2	47	8133	K5	231	8180	Z7	451	8227	C6	134
8040	L3	294	8087	B2	47	8134	K5	231	8181	Z7	451	8228	C6	134
8041	M3	306	8088	B2	47	8135	K5	231	8182	A2	5	8229	C6	134
8042	M3	306	8089	B2	47	8136	K6	249	8183	A3	11	8230	C6	134
8043	M3	306	8090	B2	47	8137	K6	249	8184	A2	5	8231	C7	150
8044	M3	306	8091	B2	47	8138	K7	281	8185	A3	11	8232	C7	150
8045	M3	306	8092	B6	67	8139	K7	281	8186	A2	5	8233	D2	161
8046	M3	306	8093	B6	67	8140	K7	281	8187	A3	12	8234	D3	164
8047	M3	307	8094	B6	67	8141	K7	281	8188	A3	12	8235	D2	161
8048	N5	325	8095	B2	47	8142	K7	281	8189	B6	67	8236	D3	164
8049	N5	325	8096	B2	47	8143	K6	249	8190	B6	67	8237	D1	156
8050	N6	330	8097	B2	47	8144	K2	218	8191	B6	67	8238	D1	156
8051	N6	330	8098	B2	47	8145	L4	301	8192	B2	48	8239	D2	161
8052	N6	330	8099	B2	47	8146	L3	294	8193	B2	48	8240	D3	164
8053	N5	325	8100	B2	47	8147	L4	301	8194	B3	60	8241	D3	164
8054	N6	330	8101	B2	48	8148	L1	288	8195	B7	72	8242	D3	164
8055	N5	325	8102	B3	60	8149	L2	289	8196	B3	60	8243	D3	164
8056	N6	330	8103	B1	30	8150	L3	294	8197	B7	72	8244	D3	164
8057	O1	339	8104	C6	133	8151	N1	312	8198	B5	65	8245	D3	164
8058	O1	339	8105	C6	133	8152	N4	318	8199	B5	65	8246	D3	164
8059	O2	340	8106	C6	133	8153	N4	318	8200	B5	65	8247	D3	164
8060	O2	341	8107	F3	176	8154	N5	325	8201	B5	65	8248	D3	164
8061	T3	384	8108	F3	176	8155	N5	325	8202	B2	48	8249	D3	165
8062	T3	384	8109	F3	176	8156	N5	325	8203	B2	48	8250	D3	165
8063	T3	384	8110	F3	176	8157	P2	344	8204	B2	48	8251	D3	165
8064	T3	384	8111	F3	176	8158	S2	372	8205	B2	48	8252	D3	165
8065	T3	384	8112	F3	176	8159	S2	372	8206	B2	48	8253	D3	165
8066	T3	384	8113	F3	176	8160	S2	372	8207	B2	48	8254	D3	165
8067	T3	384	8114	F3	176	8161	S2	372	8208	B2	48	8255	D3	165

## CONTENTS (by CNS Number)

CNS no.	Category no.	Page	CNS no.	Category no.	Page	CNS no.	Category no.	Page	CNS no.	Category no.	Page	CNS no.	Category no.	Page
8256	D3	165	8303	K9	285	8350	B1	30	8397	G3	193	8431	L3	294
8257	D3	165	8304	K9	285	8351	B7	72	8398	G2	186	8432	L3	294
8258	D3	165	8305	K9	285	8352	B7	72	8399	G3	193	8433	L3	294
8259	D3	165	8306	L3	294	8353	B7	72	8400	G2	186	8434	L3	294
8260	D3	165	8307	L3	294	8354	B2	48	8401	G2	186	8435	M3	307
8261	E2	170	8308	L3	294	8355	C3	94	8402	G2	186	8436	M3	307
8262	E2	170	8309	L3	294	8356	C4	106	8403	G2	186	8437	M3	307
8263	E2	170	8310	L4	301	8357	C1	82	8404	G2	186	8438	M3	307
8264	E2	170	8311	L3	294	8358	C4	106	8405	H3	204	8439	M3	307
8265	E2	170	8312	L3	294	8359	C4	106	8406	H2	198	8440	M3	307
8266	F5	179	8313	L3	294	8360	C4	106	8406-1	H2	198	8441	M3	307
8267	F5	179	8314	N4	318	8361	C4	106	8406-2	H2	198	8442	M3	307
8268	F5	179	8315	N4	318	8362	C4	106	8406-3	H2	198	8443	M3	307
8269	F5	179	8316	N4	318	8363	C4	106	8407	H2	198	8444	M3	307
8270	F3	176	8317	N4	318	8364	C4	106	8407-1	H2	198	8445	M3	307
8271	F3	176	8318	N4	318	8365	C4	106	8407-2	H2	198	8446	M3	307
8272	F3	176	8319	N4	318	8366	C4	106	8407-3	H2	198	8447	M3	307
8273	F3	176	8320	N4	318	8367	C4	106	8408	H2	198	8448	M3	307
8274	F3	176	8321	O2	341	8368	C4	106	8408-1	H2	198	8449	N4	318
8275	F3	176	8322	O2	341	8369	C4	106	8408-2	H2	199	8450	N4	318
8276	G3	193	8323	O2	341	8370	C4	106	8409	H2	199	8451	N4	318
8277	G3	193	8324	O2	341	8371	C4	106	8410	H2	199	8452	N6	330
8278	G1	182	8325	O2	341	8372	C1	82	8410-1	H2	199	8453	O1	339
8279	G1	182	8326	O2	341	8373	C1	82	8410-2	H2	199	8454	T2	382
8280	G2	185	8327	S1	366	8374	C1	82	8411	H2	199	8455	T2	382
8281	G2	185	8328	S2	372	8375	C1	82	8411-1	H2	199	8456	T4	385
8282	G2	185	8329	T3	384	8376	C1	82	8411-2	H2	199	8457	T2	382
8283	G2	185	8330	T4	385	8377	C1	82	8411-3	H2	199	8458	T4	385
8284	G2	185	8331	T3	384	8378	C3	94	8412	H2	199	8459	Z4	438
8285	G2	186	8332	T3	384	8379	C2	88	8413	J2	207	8460	Z4	438
8286	G2	186	8333	T1	380	8380	X5	415	8414	J2	207	8461	Z4	438
8287	G2	186	8334	T1	380	8381	X5	415	8415	J2	207	8462	Z4	438
8288	G2	186	8335	T1	380	8382	C7	150	8416	J2	207	8463	A3	12
8289	H2	198	8336	T1	380	8383	C6	134	8417	J2	207	8464	A3	12
8290	H3	204	8337	Z5	444	8384	C5	126	8418	K9	285	8465	A1	1
8291	H2	198	8338	Z6	447	8385	C5	126	8419	K9	285	8465-1	A1	1
8292	H3	204	8339	A2	5	8386	D2	161	8420	K9	285	8465-2	A1	1
8293	H2	198	8340	A3	12	8387	D2	161	8421	K6	249	8466	A3	12
8294	H3	204	8341	A2	5	8388	D2	161	8422	K2	218	8467	B1	30
8295	H3	204	8342	A3	12	8389	D4	168	8423	K2	218	8468	B1	30
8296	H2	198	8343	B1	30	8390	F5	179	8424	K2	218	8469	B7	72
8297	H3	204	8344	B4	62	8391	F5	179	8425	K3	223	8470	B7	72
8298	J2	207	8345	B6	67	8392	F5	179	8426	K3	223	8471	B7	72
8299	J2	207	8346	B3	60	8393	F5	179	8427	K3	223	8472	B2	48
8300	J2	207	8347	B3	60	8394	F5	179	8428	K6	249	8473	B3	61
8301	J2	207	8348	B3	60	8395	F5	179	8429	L3	294	8474	B3	61
8302	K9	285	8349	B3	60	8396	F5	179	8430	L3	294	8475	B1	30

## CONTENTS (by CNS Number)

CNS no.	Category no.	Page	CNS no.	Category no.	Page	CNS no.	Category no.	Page	CNS no.	Category no.	Page	CNS no.	Category no.	Page
8476	B1	30	8522	K6	249	8569	D1	156	8616	L3	294	8663	C5	126
8477	C6	134	8523	K6	249	8570	D1	156	8617	L3	295	8664	C5	126
8478	C6	134	8524	K6	249	8571	D1	156	8618	L3	295	8665	C5	126
8479	C6	134	8525	K6	249	8572	D1	156	8619	L3	295	8666	C5	126
8480	D2	161	8526	K6	249	8573	D1	156	8620	L3	295	8667	C6	134
8481	D2	161	8527	K6	249	8574	D1	156	8621	L3	295	8668	C6	134
8482	D2	161	8528	K5	231	8575	D1	156	8622	N6	330	8669	C6	134
8483	D2	161	8529	K5	231	8576	D1	156	8623	N6	330	8670	C6	134
8484	D3	165	8530	K5	231	8577	D1	156	8624	N6	330	8671	C6	134
8485	D3	165	8531	K5	231	8578	D1	156	8625	N6	330	8672	C6	134
8486	E2	170	8532	L3	294	8579	D1	156	8626	N6	330	8673	D2	161
8487	E3	171	8533	L3	294	8580	F5	179	8627	O2	341	8674	D3	165
8488	E3	171	8534	N4	318	8581	F5	179	8628	O2	341	8675	D2	161
8489	E3	171	8535	N4	318	8582	F5	179	8629	O2	341	8676	D3	165
8490	E3	171	8536	N4	318	8583	F5	179	8630	O2	341	8677	D3	165
8491	F3	176	8537	O2	341	8584	F5	179	8631	O2	341	8678	D3	165
8492	F3	176	8538	O2	341	8585	F5	179	8632	S1	366	8679	D3	165
8493	F3	176	8539	O2	341	8586	F5	179	8633	S1	366	8680	D3	165
8494	F3	176	8540	O2	341	8587	F5	179	8634	S1	366	8681	F3	176
8495	F3	176	8541	R2	355	8588	F5	179	8635	S1	366	8682	F3	176
8496	F3	176	8542	S1	366	8589	H1	197	8636	T3	384	8683	F3	176
8497	G3	193	8543	S2	372	8590	H3	204	8637	T3	384	8684	F3	176
8498	G2	186	8544	S1	366	8591	J2	207	8638	Z5	444	8685	F3	176
8499	G3	193	8545	S2	372	8592	J2	207	8639	Z5	444	8686	F3	176
8500	G2	186	8546	S2	372	8593	J2	207	8640	Z6	447	8687	F4	178
8501	G3	193	8547	S1	366	8594	J2	207	8641	A2	5	8688	F4	178
8502	G2	186	8548	S2	372	8595	K6	249	8642	A2	5	8689	F3	176
8503	H3	204	8549	Z4	438	8596	K6	249	8643	A2	5	8690	F3	176
8504	H3	204	8550	Z4	438	8597	K6	250	8644	A2	5	8691	F3	176
8505	H3	204	8551	Z5	444	8598	K6	250	8645	A3	12	8692	F3	176
8506	H1	197	8552	Z6	447	8599	K9	285	8646	A2	5	8693	G3	193
8507	H3	204	8553	Z5	444	8600	K9	286	8647	A3	12	8694	G3	194
8508	H3	204	8554	Z6	447	8601	K9	286	8648	B7	72	8694-1	G3	194
8509	J2	207	8555	A3	12	8602	K9	286	8649	B1	30	8694-2	G3	194
8510	J2	207	8556	B1	30	8603	K6	250	8650	B7	73	8695	G3	194
8511	J2	207	8557	B2	48	8604	L2	289	8651	B7	73	8696	G3	194
8512	J2	207	8558	C2	88	8605	L2	289	8652	B2	48	8697	G3	194
8513	J2	207	8559	C2	88	8606	L2	289	8653	B2	48	8698	G3	194
8514	K6	249	8560	C2	88	8607	L2	289	8654	B2	48	8699	G3	194
8515	K6	249	8561	C2	88	8608	L2	289	8655	B2	48	8700	G3	194
8516	K6	249	8562	C7	150	8609	L2	289	8656	B2	48	8701	G3	194
8516-1	K6	249	8563	D3	165	8610	L2	289	8657	B3	61	8702	G3	194
8517	K7	281	8564	D3	165	8611	L2	289	8658	B3	61	8703	H3	204
8518	K7	281	8565	D3	165	8612	L2	289	8659	C6	134	8704	H2	199
8519	K7	281	8566	D3	165	8613	L2	289	8660	C6	134	8705	H2	199
8520	K7	281	8567	D3	165	8614	L2	289	8661	C6	134	8706	K2	218
8521	K7	281	8568	D1	156	8615	L2	289	8662	C5	126	8707	L3	295

## CONTENTS (by CNS Number)

CNS no.	Category no.	Page	CNS no.	Category no.	Page	CNS no.	Category no.	Page	CNS no.	Category no.	Page	CNS no.	Category no.	Page
8708	L3	295	8755	A3	12	8802	C4	106	8849	K7	281	8896	Z8	461
8709	L3	295	8756	A3	12	8803	C4	106	8850	K7	281	8897	Z8	461
8710	L3	295	8757	A3	12	8804	C7	150	8851	K7	281	8898	Z8	461
8711	L3	295	8758	A3	12	8805	C6	134	8852	K7	281	8899	Z8	461
8712	L3	295	8759	A3	12	8806	C7	150	8853	K7	281	8900	Z8	461
8713	L3	295	8760	A2	5	8807	D3	165	8854	M3	307	8901	A2	5
8714	L3	295	8761	A3	12	8808	D3	165	8855	M3	307	8902	A3	12
8715	L2	289	8762	B6	67	8809	D3	165	8856	M3	307	8903	A2	5
8716	L2	289	8763	B7	73	8810	D3	165	8857	M3	307	8904	A3	12
8717	L2	289	8764	B6	67	8811	D3	165	8858	M3	307	8905	A2	5
8718	L2	289	8765	B7	73	8812	D2	161	8859	N6	330	8906	A2	5
8719	L2	289	8766	B6	67	8813	D3	165	8860	N6	330	8907	A3	12
8720	L2	289	8767	B7	73	8814	D2	161	8861	R3	359	8908	A3	12
8721	L2	289	8768	B6	67	8815	D2	161	8862	R2	355	8909	A3	12
8722	L2	289	8769	B2	48	8816	D2	161	8863	R2	355	8910	A3	12
8723	L2	289	8770	B2	48	8817	D4	168	8864	R2	355	8911	A3	12
8724	L2	289	8771	B3	61	8818	F3	176	8865	R2	355	8912	A3	12
8725	L2	289	8772	B2	48	8819	F3	176	8866	R2	355	8913	A2	5
8726	L2	289	8773	B2	48	8820	F3	176	8867	R2	355	8914	A3	12
8727	L2	289	8774	B2	48	8821	F3	176	8868	T3	384	8915	A3	12
8728	N4	318	8775	B2	48	8822	F3	176	8869	T3	384	8916	A3	12
8729	N4	318	8776	B2	48	8823	F3	176	8870	T3	384	8917	B4	62
8730	N4	318	8777	B2	48	8824	F3	176	8871	T3	384	8918	B4	62
8731	N4	318	8778	B2	48	8825	F3	176	8872	T3	384	8919	B4	62
8732	N1	312	8779	B2	48	8826	G3	194	8873	Z2	433	8920	B2	48
8733	N5	325	8780	C3	94	8827	G3	194	8874	Z2	433	8921	B2	48
8734	N5	325	8781	C3	94	8828	G3	194	8875	Z2	433	8922	B2	48
8735	O2	341	8782	C3	94	8829	G3	194	8876	Z2	433	8923	B2	48
8736	O2	341	8783	C3	94	8830	J2	207	8877	Z2	433	8924	B2	48
8737	O2	341	8784	C3	94	8831	J2	207	8878	Z2	433	8925	B2	48
8738	O2	341	8785	C3	94	8832	J2	207	8879	Z4	439	8926	B2	48
8739	S1	366	8786	C3	94	8833	J2	207	8880	Z4	439	8927	B2	48
8740	S2	372	8787	C3	94	8834	K0	210	8881	Z5	444	8928	B2	48
8741	S1	366	8788	C3	94	8835	K0	210	8882	Z6	447	8929	B2	48
8742	S2	372	8789	C3	95	8836	K0	210	8883	Z5	444	8930	B2	48
8743	S1	366	8790	C3	95	8837	K0	210	8884	Z5	444	8931	B2	48
8744	S2	372	8791	C3	95	8838	K0	210	8885	Z6	447	8932	B2	48
8745	Z4	438	8792	C3	95	8839	K0	210	8886	Z8	461	8933	B7	73
8746	Z4	439	8793	C3	95	8840	K9	286	8887	Z7	451	8934	B2	48
8747	Z4	439	8794	C3	95	8841	K9	286	8888	Z7	451	8935	C2	88
8748	Z4	439	8795	C3	95	8842	K9	286	8889	Z7	451	8936	C2	88
8749	Z5	444	8796	C3	95	8843	K9	286	8890	Z7	451	8937	C3	95
8750	Z6	447	8797	C4	106	8844	K7	281	8891	Z7	451	8938	C3	95
8751	Z5	444	8798	C4	106	8845	K7	281	8892	Z7	451	8939	C5	126
8752	Z7	451	8799	C4	106	8846	K7	281	8893	Z7	451	8940	C5	126
8753	Z8	461	8800	C4	106	8847	K7	281	8894	Z8	461	8941	C5	126
8754	Z8	461	8801	C4	106	8848	K7	281	8895	Z8	461	8942	C6	134

## CONTENTS (by CNS Number)

CNS no.	Category no.	Page	CNS no.	Category no.	Page	CNS no.	Category no.	Page	CNS no.	Category no.	Page	CNS no.	Category no.	Page
8943	D2	161	8990	K7	281	9037	S2	372	9084	C3	95	9131	C2	88
8944	D3	165	8991	K7	281	9038	S1	366	9085	C3	95	9132	C2	88
8945	D3	165	8992	K7	281	9039	S2	372	9086	C4	106	9133	C2	88
8946	D3	165	8993	K7	281	9040	S1	366	9087	C4	106	9134	C2	88
8947	D2	161	8994	K7	281	9041	S2	372	9088	C4	106	9135	C2	88
8948	D3	165	8995	K7	281	9042	Z4	439	9089	C4	106	9136	C2	88
8949	D2	161	8996	K7	281	9043	Z7	451	9090	C4	106	9137	C2	88
8950	D3	165	8997	K9	286	9044	Z7	451	9091	C4	106	9138	C2	88
8951	D3	165	8998	K9	286	9045	Z7	451	9092	C4	106	9139	C2	88
8952	D2	161	8999	K9	286	9046	Z7	451	9093	C1	82	9140	C2	88
8953	D2	161	9000	K9	286	9047	Z7	451	9094	C4	106	9141	C2	89
8954	D2	161	9001	K9	286	9048	Z7	451	9095	C4	106	9142	C2	89
8955	D2	161	9002	K9	286	9049	Z7	451	9096	C4	106	9143	C2	89
8956	D2	161	9003	K4	227	9050	Z7	451	9097	C4	106	9144	C2	89
8957	D2	161	9004	K6	250	9051	Z8	461	9098	C4	107	9145	C2	89
8958	D3	165	9005	K4	227	9052	Z7	452	9099	C4	107	9146	C2	89
8959	E1	169	9006	K6	250	9053	Z8	461	9100	C1	82	9147	C2	89
8960	E1	169	9007	K6	250	9054	A3	12	9101	C1	82	9148	C2	89
8961	F3	177	9008	K7	281	9055	A4	22	9102	C1	82	9149	C2	89
8962	F3	177	9009	K7	281	9056	A3	12	9103	C1	82	9150	C2	89
8963	F3	177	9010	K7	281	9057	A2	5	9104	C1	82	9151	C2	89
8964	F3	177	9011	K4	227	9058	A3	12	9105	C1	82	9152	C2	89
8965	F3	177	9012	K4	227	9059	B6	67	9106	C1	82	9153	C2	89
8966	F3	177	9013	K4	227	9060	B6	67	9107	C1	82	9154	C2	89
8967	G3	194	9014	K4	227	9061	B6	67	9108	C1	82	9155	C2	89
8968	G3	194	9015	L3	295	9062	B2	48	9109	C1	82	9156	C2	89
8969	G3	194	9016	L3	295	9063	B2	48	9110	C1	82	9157	C2	89
8970	G2	186	9017	L3	295	9064	B2	48	9111	C1	82	9158	C2	89
8971	G3	194	9018	L3	295	9065	B2	48	9112	C1	82	9159	C2	89
8972	G2	186	9019	L3	295	9066	B2	49	9113	C1	82	9160	C2	89
8973	G3	194	9020	L3	295	9067	B2	49	9114	C1	82	9161	C2	90
8974	G2	186	9021	L3	295	9068	B1	30	9115	C1	82	9162	C2	90
8975	G3	194	9022	L3	295	9069	B7	73	9116	C4	107	9163	C2	90
8976	G2	186	9023	L3	295	9070	B7	73	9117	C3	95	9164	C2	90
8977	H3	204	9024	L2	289	9071	B7	73	9118	C4	107	9165	C2	90
8978	J2	207	9025	N4	318	9072	B2	49	9119	C3	95	9166	C2	90
8979	J2	207	9026	N4	318	9073	B2	49	9120	C4	107	9167	C2	90
8980	J2	207	9027	N4	318	9074	B2	49	9121	C3	95	9168	C2	90
8981	J2	207	9028	N4	318	9075	B2	49	9122	C4	107	9169	D2	161
8982	J2	207	9029	R2	355	9076	B2	49	9123	C3	95	9170	D2	161
8983	J2	207	9030	R2	355	9077	C4	106	9124	C2	88	9171	D3	165
8984	J2	207	9031	R2	355	9078	C4	106	9125	C3	95	9172	D2	161
8985	K7	281	9032	R2	355	9079	C5	126	9126	C2	88	9173	D2	161
8986	K7	281	9033	R2	355	9080	C1	82	9127	C2	88	9174	D2	161
8987	K7	281	9034	R2	355	9081	C3	95	9128	C2	88	9175	J2	208
8988	K7	281	9035	R2	355	9082	C3	95	9129	C2	88	9176	J2	208
8989	K7	281	9036	S2	372	9083	C3	95	9130	C2	88	9177	J2	208

## CONTENTS (by CNS Number)

CNS no.	Category no.	Page	CNS no.	Category no.	Page	CNS no.	Category no.	Page	CNS no.	Category no.	Page	CNS no.	Category no.	Page
9178	K0	210	9225	B2	49	9272	G3	194	9319	N5	325	9359-14	X0	393
9179	K0	210	9226	B2	49	9273	G2	186	9320	N6	330	9359-15	X0	393
9180	K0	210	9227	B2	49	9274	G3	194	9321	P3	346	9359-16	X0	393
9181	K9	286	9228	C6	134	9275	G2	186	9322	P3	346	9359-17	X0	393
9182	K9	286	9229	C6	134	9276	G3	194	9323	P3	346	9359-18	X0	393
9183	K9	286	9230	C6	134	9277	G2	186	9324	P2	344	9359-34	X0	393
9184	K9	286	9231	C6	134	9278	G3	194	9325	P3	346	9359-36	X0	393
9185	K9	286	9232	C6	134	9279	G2	186	9326	R2	355	9359-37	X0	393
9186	K9	286	9233	C6	134	9280	J2	208	9327	R3	359	9360	X0	393
9187	L4	301	9234	C6	134	9281	J2	208	9328	Z1	430	9361	X0	393
9188	L3	295	9235	C6	134	9282	J2	208	9329	Z1	430	9362	X0	393
9189	S2	372	9236	C6	134	9283	J2	208	9330	Z1	430	9363	C6	135
9190	S2	372	9237	C6	135	9284	K6	250	9331	Z1	430	9364	C6	135
9191	S2	372	9238	C6	135	9285	K7	281	9332	Z1	430	9365	C6	135
9192	Z2	433	9239	C6	135	9286	K7	281	9333	Z6	447	9366	C6	135
9193	Z2	433	9240	C6	135	9287	K7	281	9334	Z8	461	9367	C6	135
9194	Z2	433	9241	C6	135	9288	K7	281	9335	A3	12	9368	C6	135
9195	Z2	433	9242	C6	135	9289	K7	281	9336	B1	30	9369	C6	135
9196	Z5	444	9243	C6	135	9290	K7	281	9337	B2	49	9370	C6	135
9197	Z6	447	9244	D3	165	9291	K7	281	9338	B2	49	9371	C6	135
9198	Z5	444	9245	D3	165	9292	K7	281	9339	B7	73	9372	D3	165
9199	Z6	447	9246	D3	165	9293	K7	281	9340	B2	49	9373	D3	165
9200	Z8	461	9247	D3	165	9294	K7	282	9341	B2	49	9374	D2	161
9201	Z8	461	9248	D3	165	9295	K7	282	9342	B7	73	9375	D2	161
9202	Z8	461	9249	D3	165	9296	K7	282	9343	B2	49	9376	D2	161
9203	Z8	461	9250	D2	161	9297	K7	282	9344	B2	49	9377	D2	161
9204	Z8	461	9251	D2	161	9298	K7	282	9345	B2	49	9378	D2	162
9205	Z8	461	9252	D3	165	9299	K7	282	9346	B2	49	9379	D3	166
9206	Z8	461	9253	F3	177	9300	K7	282	9347	B4	62	9380	D2	162
9207	Z8	461	9254	F3	177	9301	K1	216	9348	B2	49	9381	D2	162
9208	A3	12	9255	F3	177	9302	K6	250	9349	B2	49	9382	D3	166
9209	B6	67	9256	F3	177	9303	K5	231	9350	B2	49	9383	D2	162
9210	B7	73	9257	F3	177	9304	K6	250	9351	B2	49	9384	D3	166
9211	B6	67	9258	F3	177	9305	L3	295	9352	B2	49	9385	D1	156
9212	B7	73	9259	F3	177	9306	L3	295	9353	B7	73	9386	D1	156
9213	B7	73	9260	F3	177	9307	L3	295	9354	B2	49	9387	D3	166
9214	B7	73	9261	F3	177	9308	L3	295	9355	C1	82	9388	D3	166
9215	B2	49	9262	G3	194	9309	L3	295	9356	C1	82	9389	D3	166
9216	B2	49	9263	G3	194	9310	L3	295	9357	C1	82	9390	F5	179
9217	B2	49	9264	G2	186	9311	L3	295	9358	C3	95	9391	F5	179
9218	B2	49	9265	G3	194	9312	L3	295	9359	X0	393	9392	F5	179
9219	B2	49	9266	G2	186	9313	L3	295	9359-1	X0	393	9393	F5	179
9220	B2	49	9267	G1	182	9314	N4	318	9359-4	X0	393	9394	F5	179
9221	B2	49	9268	G3	194	9315	N4	318	9359-5	X0	393	9395	F5	179
9222	B1	30	9269	G3	194	9316	N4	318	9359-7	X0	393	9396	H3	204
9223	B1	30	9270	G3	194	9317	N4	318	9359-9	X0	393	9397	H3	204
9224	B2	49	9271	G2	186	9318	N5	325	9359-13	X0	393	9398	H2	199



## CONTENTS (by CNS Number)

CNS no.	Category no.	Page	CNS no.	Category no.	Page	CNS no.	Category no.	Page	CNS no.	Category no.	Page	CNS no.	Category no.	Page
9399	J2	208	9445-1	Z4	439	9492	F3	177	9539	S2	373	9586	D1	156
9400	J2	208	9446	Z5	444	9493	G3	194	9540	S2	373	9587	D1	156
9401	J2	208	9447	Z6	447	9494	G2	186	9541	S2	373	9588	D2	162
9402	J2	208	9448	Z6	447	9495	G2	186	9542	S2	373	9589	D1	156
9403	K6	250	9449	Z5	444	9496	G2	186	9543	S2	373	9590	D1	156
9404	K6	250	9450	Z6	447	9497	G2	186	9544	S1	366	9591	D1	156
9405	K6	250	9451	Z6	447	9498	G2	186	9545	S1	366	9592	D1	156
9406	K7	282	9452	A1	1	9499	G2	186	9546	S1	366	9593	D1	157
9407	K7	282	9453	A1	1	9500	G2	187	9547	S2	373	9594	D1	157
9408	K7	282	9454	A1	1	9501	G2	187	9548	S1	366	9595	D2	162
9409	K7	282	9455	A2	5	9502	G2	187	9549	S2	373	9596	D3	166
9410	K7	282	9456	A2	5	9503	H3	204	9550	S1	366	9597	D2	162
9411	K7	282	9457	A4	22	9504	H2	199	9551	Z7	452	9598	D3	166
9412	K9	286	9458	A4	22	9505	H3	204	9552	A3	12	9599	F5	179
9413	K9	286	9459	A4	22	9506	K1	216	9553	A1	1	9600	F5	179
9414	K9	286	9460	B7	73	9507	K7	282	9554	A4	22	9601	F5	179
9415	M2	304	9461	B7	73	9508	K7	282	9555	B4	62	9602	F5	179
9416	M3	307	9462	B7	73	9509	K7	282	9556	B4	62	9603	F5	179
9417	M2	304	9463	B7	73	9510	K7	282	9557	B2	49	9604	G3	194
9418	M3	307	9464	B7	73	9511	K7	282	9558	B2	49	9605	G2	187
9419	M3	307	9465	B7	73	9512	K7	282	9559	B2	49	9606	G3	194
9420	M3	307	9466	B6	67	9513	K7	282	9560	B2	49	9607	G2	187
9421	M3	307	9467	B7	73	9514	K7	282	9561	B2	49	9608	G3	194
9422	M3	307	9468	B6	67	9515	K7	282	9562	B7	73	9609	G2	187
9423	M3	307	9469	B7	73	9516	K7	282	9563	B7	73	9610	G3	194
9424	M3	307	9470	B6	67	9517	K7	282	9564	B7	73	9611	G2	187
9425	M3	307	9471	B7	73	9518	K7	282	9565	B7	73	9612	H3	204
9426	M3	307	9472	B6	67	9519	K3	223	9566	B7	73	9613	J2	208
9427	M3	307	9473	B7	73	9520	K6	250	9567	B2	49	9614	J2	208
9428	N1	312	9474	B7	73	9521	L2	289	9568	B2	49	9615	J2	208
9429	N6	330	9475	B7	73	9522	L2	289	9569	B2	49	9616	J2	208
9430	N6	330	9476	B7	73	9523	L2	289	9570	B2	49	9617	K4	227
9431	N6	330	9477	C4	107	9524	L2	290	9571	B2	49	9618	K4	227
9432	N6	330	9478	C3	95	9525	L2	290	9572	B1	30	9619	K4	227
9433	N6	330	9479	D2	162	9526	L2	290	9573	B1	30	9620	K4	227
9434	N6	330	9480	D3	166	9527	L2	290	9574	B1	30	9621	K4	227
9435	N6	330	9481	D3	166	9528	L2	290	9575	B1	30	9621-2	K4	227
9436	R3	359	9482	D2	162	9529	L2	290	9576	C4	107	9621-3	K4	227
9437	R3	359	9483	F3	177	9530	L2	290	9577	C3	95	9622	K0	210
9438	R3	359	9484	F3	177	9531	M3	307	9578	C4	107	9623	K0	210
9439	R3	359	9485	F3	177	9532	M3	307	9579	C4	107	9624	K0	210
9440	S2	372	9486	F3	177	9533	N4	318	9580	C4	107	9625	L4	301
9441	S2	372	9487	F3	177	9534	N4	318	9581	C3	95	9626	L3	295
9442	S2	372	9488	F3	177	9535	N4	318	9582	C4	107	9627	L4	301
9443	S1	366	9489	F3	177	9536	N4	318	9583	C3	95	9628	N1	312
9444	S2	372	9490	F3	177	9537	N5	325	9584	C6	135	9629	N1	312
9445	Z4	439	9491	F3	177	9538	S2	373	9585	D2	162	9630	N1	312

## CONTENTS (by CNS Number)

CNS no.	Category no.	Page	CNS no.	Category no.	Page	CNS no.	Category no.	Page	CNS no.	Category no.	Page	CNS no.	Category no.	Page
9631	N1	312	9678	B2	50	9725	K6	250	9772	Z7	452	9819	C1	83
9632	N1	312	9679	B2	50	9726	L2	290	9773	Z7	452	9820	C1	83
9633	N1	312	9680	B2	50	9727	L2	290	9774	Z7	452	9821	C1	83
9634	N1	312	9681	B2	50	9728	L2	290	9775	Z7	452	9822	C1	83
9635	N1	312	9682	B1	30	9729	L2	290	9776	Z7	452	9823	C4	107
9636	N5	325	9683	B1	30	9730	L2	290	9777	Z7	452	9824	C1	83
9637	N6	330	9684	C3	95	9731	L2	290	9778	Z7	452	9825	C1	83
9638	N5	325	9685	C4	107	9732	L2	290	9779	Z7	452	9826	C3	95
9639	S1	366	9686	C4	107	9733	L2	290	9780	Z7	452	9827	C1	83
9640	T1	380	9687	C4	107	9734	L2	290	9781	Z7	452	9828	C1	83
9641	Z1	430	9688	C4	107	9735	L2	290	9782	Z7	452	9829	C1	83
9642	Z1	430	9689	C4	107	9736	L2	290	9783	Z7	452	9830	C1	83
9643	Z1	430	9690	C4	107	9737	R1	352	9784	B7	73	9831	C1	83
9644	Z1	430	9691	X0	393	9738	R2	355	9785	B7	73	9832	C7	150
9645	Z3	437	9692	X0	393	9739	R2	355	9786	B2	50	9833	C7	150
9646	Z1	430	9693	X0	393	9740	R2	355	9787	B2	50	9834	C6	135
9647	Z1	430	9694	E1	169	9741	R2	355	9788	B5	65	9835	C6	135
9648	Z1	430	9695	E1	169	9742	R2	355	9789	B5	65	9836	C6	135
9649	Z6	447	9696	E1	169	9743	R2	355	9790	B5	65	9837	C6	135
9650	Z6	447	9697	E1	169	9744	R2	355	9791	B5	65	9838	C6	135
9651	Z8	461	9698	E1	169	9745	R3	359	9792	B5	65	9839	C6	135
9652	Z8	461	9699	E1	169	9746	R3	359	9793	B5	65	9840	C6	135
9653	A1	1	9700	E1	169	9747	R3	359	9794	B5	65	9841	C6	135
9654	A1	1	9701	E1	169	9748	S1	366	9795	B5	65	9842	C6	135
9655	A4	22	9702	E1	169	9749	S2	373	9796	B5	65	9843	C6	135
9656	A3	12	9703	E1	169	9750	S1	366	9797	B5	65	9844	C6	135
9657	A3	12	9704	G3	194	9751	S2	373	9798	B5	65	9845	D4	168
9658	A3	12	9705	G1	182	9752	S2	373	9799	B5	65	9846	D4	168
9659	A2	5	9706	G1	182	9753	S2	373	9800	B5	65	9847	D2	162
9660	A3	12	9707	J2	208	9754	S1	366	9801	B5	65	9848	D2	162
9661	A3	12	9708	J2	208	9755	Z5	444	9802	B5	65	9849	D1	157
9662	A3	12	9709	J2	208	9756	Z5	444	9803	B5	65	9850	D1	157
9663	B7	73	9710	J2	208	9757	Z5	444	9804	B2	50	9851	D1	157
9664	B7	73	9711	J2	208	9758	Z5	444	9805	B2	50	9852	D1	157
9665	B4	63	9712	J2	208	9759	Z5	444	9806	B2	50	9853	D3	166
9666	B1	30	9713	J2	208	9760	Z5	444	9807	B7	73	9854	F5	179
9667	B7	73	9714	J2	208	9761	Z5	444	9808	C3	95	9855	F5	179
9668	B2	49	9715	K3	223	9762	Z6	447	9809	C4	107	9856	F5	179
9669	B2	49	9716	K6	250	9763	Z5	444	9810	C4	107	9857	F5	179
9670	B2	49	9717	K3	223	9764	Z6	447	9811	C4	107	9858	F5	179
9671	B2	49	9718	K3	223	9765	Z7	452	9812	C3	95	9859	G2	187
9672	B2	49	9719	K3	223	9766	Z7	452	9813	C4	107	9860	G2	187
9673	B2	49	9720	K3	223	9767	Z7	452	9814	C4	107	9861	G2	187
9674	B2	49	9721	K8	283	9768	Z7	452	9815	C3	95	9862	G2	187
9675	B2	49	9722	K8	283	9769	Z7	452	9816	C4	107	9863	G2	187
9676	B2	49	9723	B7	73	9770	Z7	452	9817	C1	83	9864	G2	187
9677	B2	50	9724	K6	250	9771	Z7	452	9818	C1	83	9865	G2	187

## CONTENTS (by CNS Number)

CNS no.	Category no.	Page	CNS no.	Category no.	Page	CNS no.	Category no.	Page	CNS no.	Category no.	Page	CNS no.	Category no.	Page
9866	G2	187	9913	S2	373	9960	A3	13	10006	G2	187	10050	B7	73
9867	G2	187	9914	S2	373	9961	A3	13	10007	H3	204	10051	B1	30
9868	G2	187	9915	S1	366	9962	B4	63	10008	H3	204	10052	B1	30
9869	G2	187	9916	S2	373	9963	B7	73	10009	K9	286	10053	B1	30
9870	G2	187	9917	Z6	447	9964	B7	73	10010	K9	286	10054	B1	30
9871	G3	194	9918	Z7	452	9965	B1	30	10011	K6	250	10055	B1	31
9872	G2	187	9919	Z7	452	9966	B1	30	10012	K6	250	10056	B1	31
9873	G3	194	9920	Z7	452	9967	B3	61	10013	K6	250	10057	B1	31
9874	G2	187	9921	Z7	452	9968	B7	73	10014	K6	250	10058	B1	31
9875	G3	194	9922	Z7	452	9969	B2	50	10015	K4	227	10059	B1	31
9876	G2	187	9923	Z7	452	9969-7	B2	50	10016	K6	250	10060	B1	31
9877	G3	194	9924	Z7	452	9970	B2	50	10016-1	K6	250	10061	B1	31
9878	G2	187	9925	Z7	452	9971	B2	50	10017	K6	250	10062	B1	31
9879	H3	204	9926	Z7	452	9972	B2	50	10018	K6	250	10063	B1	31
9880	H2	199	9927	Z7	452	9973	B2	50	10019	K6	250	10064	D1	157
9881	J2	208	9928	Z7	452	9974	B2	50	10020	K6	250	10065	D1	157
9882	J2	208	9929	Z7	452	9975	C2	90	10021	K6	250	10066	E1	169
9883	J2	208	9930	Z7	452	9976	C2	90	10022	K6	250	10067	E1	169
9884	J2	208	9931	Z7	452	9977	C2	90	10023	K4	227	10068	E1	169
9885	J2	208	9932	Z7	452	9978	C7	150	10024	K6	250	10069	E1	169
9886	J2	209	9933	Z7	452	9979	X2	409	10025	K4	227	10070	E1	169
9887	J2	209	9934	Z7	452	9980	X3	412	10026	K4	227	10071	F3	177
9888	J2	209	9935	Z9	465	9981	X4	414	10027	N5	325	10072	F3	177
9889	J2	209	9936	Z9	465	9982	X5	415	10028	N5	325	10073	F3	177
9890	K4	227	9937	Z9	465	9983	D2	162	10029	N5	325	10074	F3	177
9891	K6	250	9938	Z9	465	9984	D2	162	10030	N6	330	10075	F5	179
9892	K4	227	9939	Z9	465	9985	D2	162	10031	S1	366	10076	F5	179
9893	K6	250	9940	Z9	465	9986	D2	162	10032	S2	373	10077	F5	179
9894	K6	250	9941	Z9	465	9987	D3	166	10033-1	Z6	447	10078	F5	179
9895	K6	250	9942	Z9	465	9988	D2	162	10033-2	Z6	447	10079	F5	180
9896	K3	223	9943	Z9	465	9989	D2	162	10033-3	Z6	447	10080	F5	180
9897	K6	250	9944	Z9	465	9990	D3	166	10034	Z5	444	10081	F3	177
9898	K6	250	9945	A4	22	9991	D1	157	10035	Z5	445	10082	F3	177
9899	L1	288	9946	A4	22	9992	D1	157	10036	Z6	448	10083	F3	177
9900	L1	288	9947	A4	22	9993	E1	169	10037	Z6	448	10084	F3	177
9901	L3	295	9948	A4	22	9994	E1	169	10038	Z7	452	10085	K6	250
9902	L3	295	9949	A4	22	9995	E1	169	10039	A2	5	10086	K2	218
9903	L3	295	9950	A4	22	9996	E1	169	10040	A2	5	10087	K6	250
9904	L4	301	9951	A4	22	9997	E1	169	10041	A3	13	10088	K2	218
9905	L3	295	9952	A4	22	9998	G3	194	10042	A2	5	10089	K6	250
9906	N5	325	9953	A4	22	9999	G2	187	10043	A2	5	10090	K6	250
9907	O1	339	9954	A4	22	10000	G3	194	10044	A3	13	10091	K6	250
9908	O2	341	9955	A4	22	10001	G3	194	10045	A2	5	10092	K6	250
9909	O1	339	9956	A4	22	10002	G2	187	10046	B6	67	10093	K6	250
9910	O2	341	9957	A2	5	10003	G3	194	10047	B6	67	10094	K6	250
9911	O1	339	9958	A2	5	10004	G2	187	10048	B6	67	10095	K6	250
9912	O2	341	9959	A3	13	10005	G1	182	10049	B7	73	10096	K6	251

## CONTENTS (by CNS Number)

CNS no.	Category no.	Page	CNS no.	Category no.	Page	CNS no.	Category no.	Page	CNS no.	Category no.	Page	CNS no.	Category no.	Page
10097	K6	251	10144	A3	13	10191	M3	308	10238	C2	90	10281	K7	282
10098	K6	251	10145	A2	5	10192	N1	312	10239	X0	393	10282	K7	282
10099	K6	251	10146	A3	13	10193	N1	312	10240	X0	393	10283	K7	282
10100	K6	251	10147	A3	13	10194	N1	312	10241	X0	393	10284	K7	282
10101	K7	282	10148	A3	13	10195	N1	312	10242	X0	393	10285	L3	295
10102	K7	282	10149	B7	73	10196	N1	312	10243	X0	393	10286	L3	295
10103	K7	282	10150	B7	74	10197	N1	312	10244	X0	393	10287	L3	295
10104	K7	282	10151	B7	74	10198	N1	312	10245	X4	414	10288	N2	314
10105	K7	282	10152	B7	74	10199	O1	339	10246	D1	157	10289	N4	318
10106	K7	282	10153	X4	414	10200	R3	359	10247	D1	157	10290	N4	318
10107	K7	282	10154	X4	414	10201	S1	366	10248	D1	157	10291	N6	330
10108	K7	282	10155	D2	162	10202	S1	366	10249	D4	168	10292	N6	330
10109	K7	282	10156	D3	166	10203	S2	373	10250	F3	177	10293	S1	366
10110	K7	282	10157	D1	157	10204	Z3	437	10251	F3	177	10294	S2	373
10111	M3	308	10158	D1	157	10205	Z2	433	10252	F3	177	10295	T2	382
10112	M3	308	10159	D1	157	10206	Z2	433	10253	F3	177	10296	T4	385
10113	M3	308	10160	D1	157	10207	Z1	430	10254	F3	177	10297	T2	382
10114	M3	308	10161	D2	162	10208	Z1	430	10255	F5	180	10298	T4	385
10115	M3	308	10162	D3	166	10209	A2	5	10256	F5	180	10299	T2	382
10116	M3	308	10163	D1	157	10210	A3	13	10257	F5	180	10300	T4	385
10117	M3	308	10164	F5	180	10211	A2	5	10258	F5	180	10301	Z4	439
10118	M3	308	10165	F5	180	10212	A3	13	10259	G2	187	10302	B4	63
10119	M3	308	10166	F5	180	10213	B7	74	10260	G2	187	10303	B2	50
10120	M3	308	10167	F5	180	10214	B7	74	10261	G2	187	10304	B2	50
10121	M3	308	10168	G2	187	10215	B5	65	10262	G2	187	10305	B2	50
10122	M3	308	10169	G2	187	10216	B5	65	10263	H3	204	10306	B1	31
10123	M3	308	10170	G2	187	10217	B5	65	10264	K6	251	10307	B1	31
10124	M3	308	10171	G2	187	10218	B5	65	10265	K6	251	10308	B1	31
10125	R2	355	10172	G2	187	10219	B7	74	10266	K6	251	10309	B1	31
10126	R2	355	10173	L2	290	10220	B7	74	10267	K6	251	10310	B1	31
10127	R2	355	10174	L2	290	10221	B7	74	10268	K6	251	10311	B7	74
10128	S1	366	10175	L2	290	10222	B7	74	10269	K5	231	10312	B1	31
10129	S1	366	10176	L2	290	10223	B7	74	10270	K6	251	10313	C4	107
10130	S1	366	10177	L2	290	10224	B7	74	10271	K6	251	10314	C2	90
10131	S1	366	10178	L2	290	10225	B7	74	10272	K6	251	10315	C3	95
10132	Z5	445	10179	L2	290	10226	B7	74	10273	K6	251	10316	C4	107
10133	Z5	445	10180	L2	290	10227	B7	74	10273-1	K6	251	10317	C3	95
10134	Z6	448	10181	M3	308	10228	B7	74	10273-2	K6	251	10318	C3	95
10135	Z5	445	10182	M3	308	10229	B7	74	10273-3	K6	251	10319	C3	95
10136	Z7	452	10183	M3	308	10230	B7	74	10273-4	K6	251	10320	C1	83
10137	A1	1	10184	M3	308	10231	B1	31	10274	K6	251	10321	C3	95
10138	A4	22	10185	M3	308	10232	B7	74	10275	K6	251	10322	C3	95
10139	A4	22	10186	M3	308	10233	B7	74	10276	K7	282	10323	C4	107
10140	A1	1	10187	M3	308	10234	B1	31	10277	K7	282	10324	C1	83
10141	A2	5	10188	M3	308	10235	B1	31	10278	K7	282	10325	C1	83
10142	A3	13	10189	M3	308	10236	B3	61	10279	K7	282	10326	C1	83
10143	A2	5	10190	M3	308	10237	B3	61	10280	K7	282	10327	C4	107

## CONTENTS (by CNS Number)

CNS no.	Category no.	Page	CNS no.	Category no.	Page	CNS no.	Category no.	Page	CNS no.	Category no.	Page	CNS no.	Category no.	Page
10328	C4	107	10375	L3	295	10422	B6	67	10468	O1	339	10514	S2	373
10329	C6	135	10376	L4	301	10423	B7	74	10469	O1	339	10515	S1	367
10330	C5	126	10377	L3	295	10424	B6	67	10470	O2	341	10516	S1	367
10331	X1	395	10378	P3	346	10425	B7	74	10471	P3	346	10517	S2	373
10332	D2	162	10379	R3	359	10426	X1	395	10471-1	P3	346	10518	S1	367
10333	D3	166	10380	S2	373	10427	X1	395	10472	P3	346	10519	S2	373
10334	F5	180	10381	S2	373	10428	X4	414	10473	R3	359	10520	T2	383
10335	F5	180	10382	S2	373	10429	F3	177	10474	Z4	439	10521	T4	385
10336	F5	180	10383	S1	366	10430	F3	177	10475	Z4	439	10522	Z2	433
10337	F5	180	10384	S2	373	10431	F3	177	10476	Z5	445	10523	A3	13
10338	F3	177	10385	S1	366	10432	F3	178	10477	Z6	448	10524	B1	31
10339	F3	177	10386	S2	373	10433	F3	178	10478	Z5	445	10525	B1	31
10340	F3	177	10387	S2	373	10434	F3	178	10479	Z6	448	10526	B1	31
10341	F3	177	10388	T2	382	10435	F3	178	10480	Z5	445	10527	B1	31
10342	F3	177	10389	T4	385	10436	G2	187	10481	Z5	445	10528	B1	31
10343	F3	177	10390	T2	383	10437	G2	187	10482	Z6	448	10529	B1	31
10344	F3	177	10391	T4	385	10438	G2	187	10483	A2	5	10530	B1	31
10345	F3	177	10392	T2	383	10439	G3	194	10484	A3	13	10531	B1	31
10346	H3	204	10393	T4	385	10440	H3	204	10485	A2	5	10532	B1	31
10347	H3	204	10394	T2	383	10441	H3	204	10486	A3	13	10533	B1	31
10348	H3	204	10395	T4	385	10442	H3	204	10487	A2	5	10534	B1	31
10349	J2	209	10396	Z5	445	10443	H3	204	10488	B1	31	10535	B1	31
10350	K6	251	10397	Z6	448	10444	K7	282	10489	B2	50	10536	B1	31
10351	K6	251	10398	Z7	452	10445	K5	231	10490	B6	67	10537	B1	31
10352	K6	251	10399	Z7	452	10446	K5	231	10491	C4	107	10538	B1	31
10353	K2	218	10400	Z7	452	10447	K5	231	10492	D1	157	10539	B7	74
10354	K2	218	10401	Z7	452	10448	K5	231	10493	D1	157	10540	B7	74
10355	K2	219	10402	Z7	452	10449	K5	231	10494	E1	169	10541	B7	74
10356	K2	219	10403	Z7	452	10450	K6	251	10495	E2	170	10542	B7	74
10357	K2	219	10404	Z7	452	10451	K6	251	10496	F5	180	10543	B7	74
10358	K2	219	10405	Z7	452	10452	K6	251	10497	F5	180	10544	B7	74
10359	K2	219	10406	A2	5	10453	K6	251	10498	F5	180	10545	X5	415
10360	K2	219	10407	A3	13	10454	K6	251	10499	F5	180	10546	C5	126
10361	K2	219	10408	A2	5	10455	K6	251	10500	G2	187	10547	C5	126
10362	K2	219	10409	A3	13	10456	K6	251	10501	G2	187	10548	C5	126
10363	K6	251	10410	A2	5	10457	K6	251	10502	G2	187	10549	C5	126
10364	K6	251	10411	A3	13	10458	K6	251	10503	G2	187	10550	C5	126
10365	K6	251	10412	A2	5	10459	K6	252	10504	G2	187	10551	C5	126
10366	K6	251	10413	A3	13	10460	L3	295	10505	G2	188	10552	C5	126
10367	K6	251	10414	A2	5	10461	L3	295	10506	G2	188	10553	C5	126
10368	K6	251	10415	A3	13	10461-1	L3	295	10507	G2	188	10554	C5	127
10369	K6	251	10416	A2	5	10462	L3	296	10508	G2	188	10555	C6	135
10370	K6	251	10417	A3	13	10463	N4	318	10509	G2	188	10556	C7	150
10371	K6	251	10418	A2	5	10464	N4	318	10510	K3	223	10557	C7	150
10372	L2	290	10419	A3	13	10465	N4	318	10511	K3	223	10558	C7	150
10373	L2	290	10420	B3	61	10466	N4	318	10512	L3	296	10559	C7	150
10374	L4	301	10421	B2	50	10467	N5	325	10513	S1	367	10560	C7	150

## CONTENTS (by CNS Number)

CNS no.	Category no.	Page	CNS no.	Category no.	Page	CNS no.	Category no.	Page	CNS no.	Category no.	Page	CNS no.	Category no.	Page
10561	C7	151	10608	C3	95	10655	G2	188	10702	D1	157	10749	G2	188
10562	C7	151	10609	C3	95	10656	G2	188	10703	D3	166	10750	G2	188
10563	F5	180	10610	C3	96	10657	K1	216	10704	D3	166	10751	G2	188
10564	F5	180	10611	C1	83	10658	K1	216	10705	D2	162	10752	G2	188
10565	F5	180	10612	C2	90	10659	K3	223	10706	D3	166	10753	G2	188
10566	F5	180	10613	C2	90	10660	K6	252	10707	D3	166	10754	G2	188
10567	G2	188	10614	C2	90	10661	M3	308	10708	D3	166	10755	G2	188
10568	G3	194	10615	C2	90	10662	M3	308	10709	D2	162	10756	K6	252
10569	G2	188	10616	C2	90	10663	S1	367	10710	D2	162	10756-1	K6	252
10570	J2	209	10617	C5	127	10664	S1	367	10711	D2	162	10757	K6	252
10571	N1	312	10618	C5	127	10665	S1	367	10712	D2	162	10758	P2	344
10572	N1	313	10619	C5	127	10666	S1	367	10713	D3	166	10759	P2	344
10573	N1	313	10620	D1	157	10667	T2	383	10714	G3	194	10760	P3	346
10574	N1	313	10621	D4	168	10668	T2	383	10715	G2	188	10761	P3	346
10575	N1	313	10622	D1	157	10669	T4	385	10716	G3	194	10762	S2	373
10576	N1	313	10623	F5	180	10670	Z1	430	10717	G2	188	10763	Z2	433
10577	N1	313	10624	F5	180	10671	Z3	437	10718	G3	195	10764	B1	31
10578	N1	313	10625	F5	180	10672	Z2	433	10719	H3	204	10765	F5	180
10579	P3	346	10626	F5	180	10673	Z2	433	10720	K5	231	10766	F5	180
10580	T2	383	10627	F5	180	10674	Z4	439	10721	K5	231	10767	F5	180
10581	T4	385	10628	F5	180	10675	Z4	439	10722	K5	231	10768	F5	180
10582	T2	383	10629	F4	178	10676	Z5	445	10723	K5	231	10769	F5	180
10583	T2	383	10630	F1	173	10677	Z6	448	10724	K4	227	10770	F5	180
10584	T2	383	10631	R2	355	10678	A2	6	10725	K7	282	10771	F5	180
10585	Z6	448	10632	S1	367	10679	A3	13	10726	P3	346	10772	G2	188
10586	Z6	448	10633	S2	373	10680	B4	63	10727	P3	346	10773	G2	188
10587	Z6	448	10634	Z6	448	10681	B3	61	10728	S1	367	10774	K4	227
10588	Z6	448	10635	Z6	448	10682	B1	31	10729	S2	373	10775	K6	252
10589	Z6	448	10636	Z6	448	10683	B2	50	10730	S1	367	10776	P2	344
10590	Z6	448	10637	A2	5	10684	B2	50	10731	S2	373	10777	P2	344
10591	Z6	448	10638	A2	5	10685	X1	395	10732	A3	13	10778	P3	346
10592	B2	50	10639	A2	5	10686	X1	395	10733	A3	13	10779	Z1	430
10593	B2	50	10640	A2	5	10687	X1	395	10734	B7	74	10780	Z3	437
10594	B1	31	10641	A2	5	10688	X1	395	10735	B2	50	10781	Z1	430
10595	B1	31	10642	B3	61	10689	X1	395	10736	B2	50	10782	A2	6
10596	B4	63	10643	B3	61	10690	X1	395	10737	B2	50	10783	A3	13
10597	C4	107	10644	B3	61	10691	X1	395	10738	B2	50	10784	A3	13
10598	C3	95	10645	B3	61	10692	C6	136	10739	B2	50	10785	A3	13
10599	C2	90	10646	B3	61	10693	C6	136	10740	C1	83	10786	B7	74
10600	C4	107	10647	B3	61	10694	C6	136	10741	C2	90	10787	B7	74
10601	C3	95	10648	B3	61	10695	C6	136	10742	D4	168	10788	B7	74
10602	C4	107	10649	C1	83	10696	C6	136	10743	D4	168	10789	B7	74
10603	C4	107	10650	C7	151	10697	C6	136	10744	G3	195	10790	B7	74
10604	C3	95	10651	C7	151	10698	C6	136	10745	G2	188	10791	B7	74
10605	C4	107	10652	D3	166	10699	C6	136	10746	G3	195	10792	B2	50
10606	C1	83	10653	D3	166	10700	C6	136	10747	G2	188	10793	B6	67
10607	C4	107	10654	G2	188	10701	D1	157	10748	G2	188	10794	B6	67

## CONTENTS (by CNS Number)

CNS no.	Category no.	Page	CNS no.	Category no.	Page	CNS no.	Category no.	Page	CNS no.	Category no.	Page	CNS no.	Category no.	Page
10795	C4	107	10842	A3	13	10880-9	K6	252	10900	C4	107	10926	C6	136
10796	C4	107	10843	A2	6	10880-10	K6	252	10901	C3	96	10927	C6	136
10797	C4	107	10844	A3	13	10880-11	K6	252	10902	C1	83	10928	C6	136
10798	C3	96	10845	A2	6	10880-12	K6	252	10903	C4	107	10929	C6	136
10799	D1	157	10846	A3	13	10880-13	K6	252	10904	C1	83	10930	C6	136
10800	D3	166	10847	B4	63	10880-14	K6	252	10905	C3	96	10931	C6	136
10801	D2	162	10848	B5	65	10880-15	K6	252	10906	C3	96	10932	C6	136
10802	E3	171	10849	B5	65	10880-16	K6	252	10907	C4	107	10933	C6	136
10803	E3	171	10850	C5	127	10880-17	K6	252	10908	C3	96	10934	D2	162
10804	G3	195	10851	C5	127	10880-18	K6	252	10909	C4	107	10935	F5	180
10805	G2	188	10852	C6	136	10880-19	K6	252	10910	C4	107	10936	F5	180
10806	G3	195	10853	F5	180	10880-20	K6	252	10911	C3	96	10937	F5	180
10807	G2	188	10854	F5	180	10880-21	K6	252	10912	C1	83	10938	F5	180
10808	G3	195	10855	F5	180	10880-22	K6	252	10913	C1	83	10939	G3	195
10809	G2	188	10856	F1	173	10880-23	K6	252	10914	C4	107	10940	G3	195
10810	G2	188	10857	G2	188	10880-24	K6	252	10915	C4	107	10941	M3	309
10811	G2	188	10858	G2	188	10880-25	K6	252	10916	C4	107	10942	M3	309
10812	G2	188	10859	K6	252	10880-26	K6	252	10917	C4	108	10943	M3	309
10813	G2	188	10860	N5	325	10880-27	K6	252	10917-1	C4	108	10944	M3	309
10814	G2	188	10861	N5	325	10880-28	K6	252	10917-2	C4	108	10945	M3	309
10815	G2	188	10862	N5	325	10880-29	K6	252	10917-3	C4	108	10946	M3	309
10816	G2	188	10863	P3	346	10880-30	K6	252	10917-4	C4	108	10947	M3	309
10817	L3	296	10864	P3	346	10880-31	K6	253	10917-5	C4	108	10948	M3	309
10818	L3	296	10865	P3	346	10880-32	K6	253	10917-6	C4	108	10949	N6	331
10819	L3	296	10866	R3	359	10880-33	K6	253	10917-7	C4	108	10950	N6	331
10820	M3	308	10867	A2	6	10880-34	K6	253	10917-8	C4	108	10951	N6	331
10821	M3	308	10868	B7	74	10880-35	K6	253	10917-9	C4	108	10952	N6	331
10822	M3	308	10869	C7	151	10880-36	K6	253	10917-10	C4	108	10953	Z4	439
10823	M3	309	10870	C7	151	10881	N2	314	10917-11	C4	108	10954	Z4	439
10824	M3	309	10871	C7	151	10882	N4	318	10917-12	C4	108	10955	B8	77
10825	M3	309	10872	C6	136	10883	N4	318	10917-13	C4	108	10955-1	B8	77
10826	M3	309	10873	C6	136	10884	N4	318	10917-14	C4	108	10955-2	B8	78
10827	M3	309	10874	C6	136	10885	N4	318	10917-15	C4	108	10955-3	B8	78
10828	M3	309	10875	C6	136	10886	N6	330	10917-16	C4	108	10955-4	B8	78
10829	M3	309	10876	C6	136	10887	N6	330	10917-17	C4	108	10955-5	B8	78
10830	M3	309	10877	C6	136	10888	N6	330	10917-18	C4	108	10955-6	B8	78
10831	M3	309	10878	C6	136	10889	N6	331	10917-19	C4	108	10956	B7	74
10832	M3	309	10879	H3	204	10890	N6	331	10917-20	C4	108	10957	B7	74
10833	M3	309	10880	K6	252	10891	N6	331	10917-21	C4	108	10958	C7	151
10834	M3	309	10880-1	K6	252	10892	N6	331	10918	C3	96	10959	C7	151
10835	M3	309	10880-2	K6	252	10893	N6	331	10919	C3	96	10960	C7	151
10836	M3	309	10880-3	K6	252	10894	S2	373	10920	C4	108	10961	C7	151
10837	N2	314	10880-4	K6	252	10895	Z7	452	10921	C4	108	10962	C7	151
10838	N5	325	10880-5	K6	252	10896	A3	13	10922	C3	96	10963	C7	151
10839	Z1	430	10880-6	K6	252	10897	B1	31	10923	C4	108	10964	C7	151
10840	Z1	430	10880-7	K6	252	10898	C4	107	10924	C6	136	10965	C7	151
10841	A2	6	10880-8	K6	252	10899	C3	96	10925	C6	136	10966	L4	301

## CONTENTS (by CNS Number)

CNS no.	Category no.	Page	CNS no.	Category no.	Page	CNS no.	Category no.	Page	CNS no.	Category no.	Page	CNS no.	Category no.	Page
10967	L3	296	11013	G2	188	11060	D2	162	11107	G3	195	11148	Z7	453
10968	L3	296	11014	G2	188	11061	D2	162	11108	G2	189	11149	Z7	453
10969	L4	301	11015	G2	188	11062	D2	162	11109	G3	195	11150	Z7	453
10970	L4	301	11016	H3	204	11063	D2	162	11110	G2	189	11151	A3	14
10971	S1	367	11017	M3	309	11064	D2	162	11111	H3	204	11152	A3	14
10972	S2	373	11018	M3	309	11065	G2	188	11112	H2	199	11153	A3	14
10973	S1	367	11019	M3	309	11066	G2	189	11113	K6	253	11154	B3	61
10974	S2	373	11020	M3	309	11067	G3	195	11114	K6	253	11155	B3	61
10975	S1	367	11021	M3	309	11068	G2	189	11115	M3	309	11156	B2	50
10976	S2	373	11022	M3	309	11069	G2	189	11116	M3	309	11157	B2	50
10977	Z2	433	11023	M3	309	11070	G2	189	11117	M3	309	11158	B3	61
10978	Z2	433	11024	M3	309	11071	G2	189	11118	M3	309	11159	B3	61
10979	A3	13	11025	M3	309	11072	G2	189	11119	M3	309	11160	C4	108
10980-1	D2	162	11026	N6	331	11073	H3	204	11120	M3	309	11161	C3	96
10980-2	D2	162	11027	Z7	453	11074	K3	223	11121	M3	309	11162	C4	108
10981	H3	204	11028	N6	331	11075	L3	296	11122	M3	309	11163	C3	96
10982	H3	204	11029	O1	339	11076	L3	296	11123	N4	318	11164	C2	90
10983	H3	204	11030	O1	339	11077	L3	296	11124	N4	318	11165	G2	189
10984	N6	331	11031	O1	339	11078	L3	296	11125	N4	318	11166	G2	189
10985	R2	355	11032	O1	339	11079	L3	296	11126	N4	318	11167	G2	189
10986	R3	359	11033	O2	341	11080	L3	296	11127	N4	319	11168	G2	189
10987	Z7	453	11034	S2	373	11081	R3	359	11128	N4	319	11169	K9	286
10988	Z7	453	11035	S1	367	11082	Z7	453	11129	N4	319	11170	K6	253
10989	A3	13	11036	S2	373	11083	Z7	453	11130	N4	319	11171	K6	253
10990	A3	13	11037	Z3	437	11084	Z7	453	11131	N4	319	11172	N5	325
10991	A1	1	11038	Z3	437	11085	Z7	453	11132	N4	319	11173	N6	331
10992	A3	13	11039	Z3	437	11086	Z7	453	11133	N4	319	11174	Z2	433
10993	A3	13	11040	Z8	461	11087	B3	61	11134	N4	319	11175	Z2	433
10994	A2	6	11041	Z7	453	11088	B2	50	11135	N4	319	11176	Z2	433
10995	A3	13	11042	Z7	453	11089	B2	50	11136	N4	319	11177	Z2	433
10996	A2	6	11043	Z7	453	11090	B2	50	11137	N4	319	11178	Z7	453
10997	A3	13	11044	Z7	453	11091	B6	67	11138	N5	325	11179	Z7	453
10998	B1	31	11045	Z7	453	11092	C4	108	11139	N5	325	11180	C4	108
10999	B1	31	11046	Z7	453	11093	C4	108	11140	N5	325	11181	C3	96
11000	B1	31	11047	Z8	461	11094	C4	108	11141	R2	355	11182	C5	127
11001	B1	31	11048	Z8	461	11095	C7	151	11142	R2	355	11183	C6	137
11002	B1	31	11049	Z8	461	11096	C5	127	11143	Z4	439	11184	F4	178
11003	B1	31	11050	Z8	461	11097	C6	136	11143-1	Z4	439	11185	F4	178
11004	B1	31	11051	Z8	461	11098	C6	136	11143-2	Z4	439	11186	F5	180
11005	C3	96	11052	A2	6	11099	C6	136	11143-3	Z4	439	11187	F5	180
11006	C4	108	11053	A3	14	11100	C6	136	11143-4	Z4	439	11188	H3	204
11007	C4	108	11054	A2	6	11101	C6	136	11143-5	Z4	439	11189	H2	199
11008	C4	108	11055	A3	14	11102	C6	136	11143-6	Z4	439	11190	K1	216
11009	C4	108	11056	A3	14	11103	C6	137	11144	Z5	445	11191	R3	359
11010	C4	108	11057	B8	78	11104	C5	127	11145	Z7	453	11192	A4	22
11011	C7	151	11058	D2	162	11105	C5	127	11146	Z7	453	11193	A4	22
11012	G2	188	11059	D2	162	11106	C5	127	11147	Z7	453	11194	A2	6



## CONTENTS (by CNS Number)

CNS no.	Category no.	Page	CNS no.	Category no.	Page	CNS no.	Category no.	Page	CNS no.	Category no.	Page	CNS no.	Category no.	Page
11195	A3	14	11240	C6	137	11277	B1	32	11305	G2	189	11350-2	T4	385
11196	A2	6	11241	G3	195	11278	E1	169	11306	G2	189	11351	Z7	453
11197	A3	14	11242	G2	189	11279	E1	169	11307	H3	204	11352	Z7	453
11198	E1	169	11243	G2	189	11280	E1	169	11308	L3	296	11353	Z7	453
11199	E1	169	11244	G2	189	11281	E1	169	11309	L3	296	11354	A2	6
11200	E1	169	11245	G2	189	11282	E1	169	11310	L3	296	11355	B2	50
11201	E3	171	11246	G2	189	11283	E1	169	11311	L3	296	11356	B3	61
11202	E1	169	11247	N6	331	11284	E1	169	11312	S1	367	11357	B3	61
11203	E1	169	11248	P2	344	11285	K3	223	11313	S2	373	11358	B3	61
11204	E1	169	11249	R3	359	11286	K6	253	11314	S1	367	11359	C2	90
11205	E1	169	11250	R3	359	11287	M3	309	11315	S2	373	11360	G3	195
11206	G2	189	11251	S1	367	11288	M3	310	11316	S1	367	11361	G2	189
11207	G3	195	11251-1	S1	367	11289	N6	331	11317	A2	6	11362	G3	195
11208	G2	189	11251-2	S1	367	11290	P3	346	11318	A1	1	11363	G3	195
11209	K0	210	11251-3	S1	367	11291	P3	346	11319	A3	14	11364	K6	253
11210	N5	325	11252	T2	383	11292	R3	359	11320	A3	14	11365	K6	253
11211	P3	346	11253	T4	385	11293	R3	359	11321	A3	14	11366	K3	223
11212	P3	346	11254	Z2	433	11294	Z7	453	11322	A3	14	11367	K6	253
11213	S1	367	11255	Z3	437	11295	Z7	453	11323	A2	6	11368	M4	310
11214	C4	108	11256	Z7	453	11296	Z7	453	11324	A3	14	11369	N5	325
11215	X4	414	11257	Z7	453	11296-1	Z7	453	11325	A2	6	11370	N6	331
11216	X4	414	11258	B8	78	11296-2	Z7	453	11326	A3	14	11371	N5	325
11217	X4	414	11258-1	B8	78	11296-3	Z7	453	11327	B4	63	11372	O2	341
11218	X4	414	11258-2	B8	78	11296-4	Z7	453	11328	B2	50	11373	P3	346
11219	C5	127	11258-3	B8	78	11296-5	Z7	453	11329	B7	74	11374	P3	346
11220	C5	127	11258-4	B8	78	11296-6	Z7	453	11330	C4	108	11375	P3	346
11221	X4	414	11258-5	B8	78	11296-7	Z7	453	11331	C5	127	11376	Z8	461
11222	C5	127	11258-6	B8	78	11296-8	Z7	453	11332	C6	137	11377	Z8	461
11223	M3	309	11258-7	B8	78	11296-9	Z7	453	11333	C6	137	11378	Z8	461
11224	Z8	461	11259	B1	31	11296-10	Z7	453	11334	C6	137	11379	Z8	461
11225	Z8	461	11260	H2	199	11296-11	Z7	453	11335	K3	223	11380	B4	63
11226	Z8	461	11261	K1	216	11296-12	Z7	453	11336	K6	253	11381	B8	78
11227	A3	14	11262	K6	253	11296-13	Z7	453	11337	K3	223	11381-1	B8	78
11227-1	A3	14	11263	L3	296	11297	A3	14	11338	K6	253	11381-2	B8	78
11227-2	A3	14	11264	M1	302	11298	A3	14	11339	K3	223	11381-3	B8	78
11228	A2	6	11265	R2	355	11299-1	B8	78	11340	K6	253	11381-4	B8	78
11229	B6	68	11266	R2	355	11299-2	B8	78	11341	O1	339	11381-5	B8	78
11230	B6	68	11267	R2	355	11299-3	B8	78	11342	O1	339	11381-6	B8	78
11231	B6	68	11268	R2	355	11299-4	B8	78	11343	S1	367	11382	C2	90
11232	B6	68	11269	R2	355	11299-5	B8	78	11344	S1	367	11383	C2	90
11233	C6	137	11270	R2	356	11299-6	B8	78	11345	S1	367	11384	C2	90
11234	C6	137	11271	R2	356	11299-7	B8	78	11346	S1	367	11385	C2	90
11235	C6	137	11272	R3	359	11300	C3	96	11347	T4	385	11386	D3	166
11236	C6	137	11273	R3	359	11301	D1	157	11348	T2	383	11387	G2	189
11237	C6	137	11274	R3	359	11302	G2	189	11349	T4	385	11388	G2	189
11238	C6	137	11275	B8	78	11303	G2	189	11350	T4	385	11389	G2	189
11239	C6	137	11276	B6	68	11304	G2	189	11350-1	T4	385	11390	G2	189

## CONTENTS (by CNS Number)

CNS no.	Category no.	Page	CNS no.	Category no.	Page	CNS no.	Category no.	Page	CNS no.	Category no.	Page	CNS no.	Category no.	Page
11391	H3	204	11438	C3	96	11471	S1	367	11518	F4	178	11565	K6	254
11392	H3	205	11439	C1	83	11472	S2	373	11519	F1	173	11566	K6	254
11393	M3	310	11440	C1	83	11473	S1	367	11520	G2	189	11567	A1	1
11394	N6	331	11441	C4	109	11474	C4	109	11521	G2	189	11568	C4	109
11395	P3	346	11442	C4	109	11475	C5	127	11522	R2	356	11569	C4	109
11396	P3	346	11443	C1	83	11476	C5	127	11523	R3	360	11570	C4	109
11397	P3	347	11444	C3	96	11477	K6	253	11524	A3	14	11571	C6	137
11398	Z8	461	11445-1	C1	83	11478	K6	253	11525	A3	14	11572	C6	137
11399	Z8	461	11445-2	C1	83	11479	K6	253	11526	A3	14	11573	C6	137
11400	Z8	461	11445-4	C1	83	11480	K6	253	11527	A3	14	11574	C6	137
11401	Z8	461	11445-5	C1	83	11481	K6	253	11528	A3	14	11575	C6	137
11402	X1	395	11445-6	C1	83	11482	P3	347	11529	B4	63	11576	G2	189
11403	X4	414	11445-7	C1	83	11483	P3	347	11530	D3	166	11577	K6	254
11404	X0	393	11445-8	C1	83	11484	Z6	448	11531	D3	166	11578	K6	254
11405	X0	393	11445-9	C1	84	11485	Z6	448	11532	D3	166	11579	K6	254
11406	E1	169	11446-1	C6	137	11486	Z6	448	11533	D3	166	11580	K6	254
11407	E1	170	11446-2	C6	137	11487	Z6	448	11534	D3	166	11581	K6	254
11408	E1	170	11446-3	C6	137	11488	Z6	448	11535	F5	180	11582	K6	254
11409	E1	170	11446-4	C6	137	11489	K2	219	11536	F5	180	11583	K6	254
11410	E1	170	11446-5	C6	137	11490	K6	253	11537	F5	180	11584	K6	254
11411	E1	170	11446-6	C6	137	11491	A2	6	11538	F5	180	11585	K6	254
11412	E1	170	11447	G2	189	11492	A3	14	11539	K6	253	11586	K6	254
11413	E1	170	11448	G2	189	11493	B4	63	11540	K6	253	11587	K6	254
11414	H2	199	11449	G2	189	11494	B3	61	11541	K6	253	11588	K6	254
11415	K3	223	11450	G2	189	11495	B3	61	11542	K6	253	11589	K6	254
11416	K3	223	11451	G2	189	11496	D3	166	11543	K6	253	11590	K6	254
11417	R2	356	11452	G2	189	11497	D2	162	11544	K6	253	11591	K6	254
11418	R2	356	11453	K8	283	11498	D3	166	11545	K6	253	11592	K6	254
11419	R2	356	11454	K6	253	11499	D3	166	11546	K6	253	11593	K6	254
11420	R2	356	11455	K6	253	11500	D2	162	11547	K6	253	11594	K6	254
11421	R3	359	11456	M4	310	11501	F4	178	11548	K6	253	11595	K6	254
11422	R3	359	11457	M3	310	11502	F1	173	11549	K6	253	11596	K6	254
11423	R3	359	11458	N4	319	11503	F4	178	11550	K6	253	11597	K6	254
11424	R3	360	11459	N4	319	11504	F1	173	11551	L1	288	11598	K6	254
11425	R3	360	11460	N4	319	11505	F4	178	11552	L1	288	11599	K6	254
11426	R3	360	11461	N4	319	11506	F1	173	11553	L1	288	11600	K6	254
11427	R3	360	11462	N4	319	11507	K6	253	11554	R3	360	11601	K6	254
11428	C4	108	11463	N4	319	11508	L4	301	11555	R3	360	11602	K6	254
11429	C4	109	11463-1	N4	319	11509	N5	325	11556	T3	384	11603	K6	254
11430	C4	109	11463-2	N4	319	11510	R3	360	11557	T3	384	11604	K6	254
11431	C3	96	11464	S1	367	11511	R2	356	11558	K6	253	11605	K6	254
11432	C4	109	11465	S2	373	11512	R3	360	11559	K6	253	11606	K6	254
11433	C3	96	11466	S1	367	11513	S1	367	11560	K6	253	11607	K6	254
11434	C4	109	11467	S2	373	11514	Z5	445	11561	K6	254	11608	K3	223
11435	C4	109	11468	S1	367	11515	Z5	445	11562	K6	254	11609	K6	254
11436	C1	83	11469	S1	367	11516	Z7	453	11563	K6	254	11610	S1	367
11437	C4	109	11470	S2	373	11517	Z8	461	11564	K6	254	11611	S2	373

## CONTENTS (by CNS Number)

CNS no.	Category no.	Page	CNS no.	Category no.	Page	CNS no.	Category no.	Page	CNS no.	Category no.	Page	CNS no.	Category no.	Page
11612	B2	50	11652	K3	223	11691	A2	6	11738	R3	360	11784	C7	151
11613	C4	109	11653	K6	254	11692	A3	14	11739	R3	360	11785	C6	138
11614	F5	180	11654	K3	223	11693	A2	6	11740	R3	360	11786	C5	127
11615	F5	180	11655	K6	254	11694	A3	14	11741	R3	360	11787	C6	138
11616	F5	180	11656	K3	223	11695	A2	6	11742	R3	360	11788	C6	138
11617	F5	180	11657	K6	254	11696	A3	14	11743	R3	360	11789	C6	138
11618	F5	181	11658	K3	223	11697	A2	6	11744	T3	384	11790	F5	181
11619	K0	210	11659	K6	255	11698	A3	14	11745	T3	384	11791	F5	181
11620	L4	301	11660	K3	223	11699	A2	6	11746	T3	384	11792	F5	181
11621	L3	296	11661	K6	255	11700	A3	14	11747	T2	383	11793	F5	181
11622	P3	347	11662	L4	301	11701	A2	6	11748	T2	383	11794	F5	181
11623	Z7	453	11663	N4	319	11702	A3	14	11749	Z8	462	11795	H3	205
11624	C7	151	11664	N4	319	11703	C6	137	11750	Z8	462	11796	H3	205
11625	C7	151	11665	N5	325	11704	C6	137	11751	Z8	462	11797	H3	205
11626	X1	395	11666	O1	339	11705	C6	137	11752	A2	6	11798	K6	255
11627	X1	395	11666-1	O1	339	11706	C6	137	11753	A3	14	11799	K2	219
11628	X1	395	11666-2	O1	339	11707	C6	138	11754	A2	6	11800	K6	255
11629	G2	189	11666-3	O1	339	11708	C6	138	11755	A3	14	11801	K2	219
11630	G2	189	11666-4	O1	339	11709	C6	138	11756	A2	6	11802	K6	255
11631	G2	189	11666-5	O1	339	11710	K3	223	11757	A3	14	11803	K2	219
11632	G2	190	11666-6	O1	339	11711	K6	255	11758	A2	6	11804	K6	255
11633	H3	205	11667	O1	339	11712	N5	325	11759	A3	14	11805	K2	219
11634	H3	205	11668	O1	339	11713	T2	383	11760	A2	6	11806	K6	255
11635	N5	325	11669	O1	339	11714	Z5	445	11761	A3	14	11807	K2	219
11636	R1	352	11670	O1	339	11715	C6	138	11762	C5	127	11808	K6	255
11637	R1	352	11671	O1	339	11716	C6	138	11763	C7	151	11809	N5	325
11638	R3	360	11672	O2	341	11717	C6	138	11764	C7	151	11810	N6	331
11639	R3	360	11673	S1	367	11718	C7	151	11765	C6	138	11811	S1	367
11640	Z1	430	11673-1	S1	367	11719	X4	414	11766	L4	301	11812	C6	138
11641	B1	32	11673-2	S1	367	11720	H2	199	11767	L3	296	11813	E2	170
11642	B8	78	11674	S1	367	11721	K6	255	11768	S1	367	11814	F5	181
11642-1	B8	78	11675	S1	367	11722	K2	219	11769	S1	367	11815	F5	181
11642-2	B8	78	11676	S1	367	11723	Z7	453	11770	S1	367	11816	F5	181
11642-3	B8	78	11677	S2	373	11724	K2	219	11771	Z4	439	11817	F5	181
11642-4	B8	78	11678	S2	373	11725	K6	255	11772	A2	6	11818	O1	339
11643	X5	415	11679	S2	373	11726	K2	219	11773	A3	14	11819	O2	341
11643-1	X5	415	11680	S2	373	11727	K6	255	11774	A2	6	11820	P3	347
11643-2	X5	415	11681	S2	373	11728	K2	219	11775	A3	14	11821	S2	374
11643-3	X5	415	11682	S2	373	11729	K2	219	11776	A3	14	11822	Z7	453
11644	D3	166	11683	S2	373	11730	K6	255	11777	A3	15	11823	Z8	462
11645	D3	166	11684	S2	374	11731	K2	219	11777-1	A3	15	11824	A2	6
11646	K3	223	11685	S2	374	11732	K6	255	11778	A3	15	11825	A3	15
11647	K6	254	11686	T3	384	11733	K4	227	11779	C4	109	11826	A3	15
11648	K3	223	11687	T3	384	11734	K6	255	11780	C4	109	11827	A2	6
11649	K6	254	11688	T3	384	11735	N4	319	11781	C6	138	11828	A3	15
11650	K3	223	11689	T3	384	11736	N6	331	11782	C6	138	11829	C7	151
11651	K6	254	11690	T1	380	11737	N6	331	11783	C6	138	11830	C6	138

## CONTENTS (by CNS Number)

CNS no.	Category no.	Page	CNS no.	Category no.	Page	CNS no.	Category no.	Page	CNS no.	Category no.	Page	CNS no.	Category no.	Page
11831	F4	178	11878	C6	138	11925	N3	315	11949	K6	255	11996	F5	181
11832	F1	173	11879	K4	228	11926	N3	315	11950	N3	315	11997	F5	181
11833	F4	178	11880	K6	255	11927	N3	315	11951	N3	315	11998	F5	181
11834	F1	173	11881	K4	228	11928	N3	315	11952	N3	315	11999	G3	195
11835	G1	182	11882	K6	255	11929	N5	325	11953	N3	315	12000	H3	205
11836	G1	182	11883	K6	255	11930	N6	331	11954	N3	315	12001	K3	224
11837	M3	310	11884	N6	331	11931	B2	50	11955	N3	315	12002	K6	255
11838	M3	310	11885	Z2	433	11932	B2	50	11956	N3	315	12003	K3	224
11839	M3	310	11886	Z5	445	11933	B2	50	11957	N3	315	12004	K6	255
11840	M3	310	11887	Z6	448	11934	B2	50	11958	N3	315	12005	K3	224
11841	M3	310	11888	Z6	448	11935	B2	50	11959	N3	315	12006	K6	255
11842	M3	310	11889	Z7	453	11936	B2	50	11960	N3	315	12007	C6	138
11843	M3	310	11890	A2	6	11937	B2	50	11961	N3	315	12008	C6	138
11844	M3	310	11891	A3	15	11938	B2	50	11962	N3	315	12009	C5	127
11845	N3	314	11892	B3	61	11939	B2	50	11963	N3	315	12010	X7	429
11846	N3	314	11893	B3	61	11940	B2	50	11964	N3	315	12011	K6	255
11847	N3	314	11894	C4	109	11941	C5	127	11965	N3	315	12012	K6	255
11848	N3	314	11895	C5	127	11942	H2	199	11966	N3	315	12013	K6	255
11849	N3	314	11896	C7	151	11942-1	H2	199	11967	N3	315	12014	K6	255
11850	N3	314	11897	C7	151	11942-2	H2	199	11968	N3	315	12015	K6	255
11851	N3	314	11898	C7	151	11942-3	H2	199	11969	N3	315	12016	K6	255
11852	N3	314	11899	C7	151	11942-4	H2	199	11970	N3	315	12017	K6	255
11853	N3	314	11900	C7	151	11942-5	H2	199	11971	O2	341	12018	N3	315
11854	N3	314	11901	C5	127	11942-6	H2	199	11972	P3	347	12019	N3	315
11855	N3	314	11902	C6	138	11942-7	H2	199	11973	R3	360	12020	N3	315
11856	N3	314	11903	C6	138	11942-8	H2	199	11974	R3	360	12021	N3	315
11857	N3	314	11904	C6	138	11942-9	H2	199	11975	R3	360	12022	N3	315
11858	N3	314	11905	C6	138	11942-10	H2	199	11976	R3	360	12023	N3	315
11859	N3	314	11906	C6	138	11942-11	H2	199	11977	R3	360	12024	N3	315
11860	N3	314	11907	C6	138	11942-12	H2	199	11978	R3	360	12025	N3	315
11861	N3	314	11908	K3	224	11942-13	H2	199	11979	R3	360	12026	N3	315
11862	N3	314	11909	K6	255	11942-14	H2	199	11980	R3	360	12027	N3	315
11863	N3	314	11910	N3	314	11942-15	H2	199	11981	Z2	433	12028	N3	315
11864	N3	314	11911	N3	314	11942-16	H2	199	11982	A2	6	12029	N3	315
11865	N3	314	11912	N3	314	11942-17	H2	199	11983	A3	15	12030	N3	315
11866	N3	314	11913	N3	314	11942-18	H2	199	11984	A2	6	12031	N3	315
11867	N6	331	11914	N3	314	11942-19	H2	200	11985	A3	15	12032	N3	315
11868	P3	347	11915	N3	314	11942-20	H2	200	11986	A2	6	12033	N3	315
11869	T2	383	11916	N3	314	11942-21	H2	200	11987	A3	15	12034	N3	315
11870	B7	74	11917	N3	314	11942-22	H2	200	11988	A2	6	12035	S1	367
11871	B1	32	11918	N3	314	11942-23	H2	200	11989	A3	15	12036	S2	374
11872	B1	32	11919	N3	315	11943	H2	200	11990	A2	6	12037	S1	367
11873	C4	109	11920	N3	315	11944	K2	219	11991	A3	15	12038	S1	367
11874	C7	151	11921	N3	315	11945	K6	255	11992	C6	138	12039	S1	367
11875	C7	151	11922	N3	315	11946	K2	219	11993	C6	138	12040	B3	61
11876	C7	151	11923	N3	315	11947	K6	255	11994	F5	181	12041	B3	61
11877	C7	151	11924	N3	315	11948	K2	219	11995	F5	181	12042	B3	61

## CONTENTS (by CNS Number)

CNS no.	Category no.	Page	CNS no.	Category no.	Page	CNS no.	Category no.	Page	CNS no.	Category no.	Page	CNS no.	Category no.	Page
12043	B3	61	12090	H3	205	12136	K6	255	12183	K2	219	12230	K2	220
12044	B3	61	12091	H3	205	12137	K2	219	12184	K2	219	12231	K6	256
12045	X7	429	12092	H3	205	12138	K6	255	12185	K2	219	12232	K2	220
12046	X7	429	12093	K6	255	12139	K2	219	12186	K2	219	12233	K2	220
12047	C6	138	12094	N3	315	12140	K6	255	12187	K2	219	12234	K2	220
12048	H3	205	12095	N3	315	12141	K2	219	12188	K2	219	12235	Z5	445
12049	H3	205	12096	N3	315	12142	K6	255	12189	K6	256	12236	Z5	445
12050	R2	356	12097	N3	315	12143	K2	219	12190	K6	256	12237	Z5	445
12051	R3	360	12098	N3	315	12144	K6	255	12191	K6	256	12238	Z5	445
12052	S2	374	12099	N3	315	12145	K2	219	12192	K6	256	12239	A3	15
12053	A2	6	12100	N3	315	12146	K6	255	12193	K6	256	12240	B5	65
12054	A3	15	12101	N3	316	12147	K2	219	12194	K6	256	12241	G3	195
12055	A2	6	12102	N3	316	12148	K6	255	12195	K2	219	12242	B5	65
12056	A3	15	12103	P3	347	12149	N5	325	12196	K2	219	12243	B2	51
12057	A2	6	12104	P2	344	12150	N6	331	12197	K2	219	12244	B1	32
12058	A3	15	12105	P3	347	12151	C4	109	12198	K2	219	12245	B4	63
12059	A2	6	12106	P3	347	12152	C4	109	12199	K2	219	12246	C3	96
12060	A3	15	12107	P3	347	12153	C4	109	12200	K2	219	12247	C3	96
12061	A2	6	12108	P3	347	12154	C4	109	12201	K2	219	12248	C3	96
12062	A3	15	12109	R3	360	12155	F5	181	12202	K2	219	12249	C3	96
12063	A2	6	12110	R3	360	12156	F5	181	12203	K2	219	12250	C7	151
12064	A2	6	12111	R3	360	12157	F5	181	12204	K2	219	12251	C7	151
12065	A3	15	12112	Z1	430	12158	K2	219	12205	K2	219	12252	C7	151
12066	A3	15	12113	Z5	445	12159	K6	255	12206	K2	219	12253	C7	151
12067	B4	63	12114	H2	200	12160	K2	219	12207	K2	219	12254	C7	151
12068	B2	50	12115	A2	6	12161	K6	255	12208	K2	220	12255	C7	151
12069	B2	50	12116	B6	68	12162	K2	219	12209	B2	51	12256	C7	151
12070	B2	50	12117	B6	68	12163	K6	256	12210	B7	74	12257	C7	151
12071	B2	51	12118	B4	63	12164	K2	219	12211	C5	127	12258	G2	190
12072	B2	51	12118-1	B4	63	12165	K6	256	12212	K6	256	12259	H2	200
12073	B2	51	12119	C6	139	12166	R3	360	12213	K6	256	12260	K6	256
12074	B2	51	12120	C6	139	12167	R2	356	12214	K6	256	12261	K6	256
12075	B2	51	12121	C6	139	12168	R2	356	12215	K6	256	12262	K6	256
12076	B2	51	12122	C6	139	12169	R2	356	12216	S1	367	12263	K6	256
12077	B2	51	12123	D1	157	12170	C6	139	12217	S2	374	12264	K2	220
12078	B1	32	12124	H2	200	12171	C6	139	12218	Z6	448	12265	K6	256
12079	C6	138	12125	H2	200	12172	D3	166	12219	Z6	448	12266	K2	220
12080	C5	127	12126	H2	200	12173	D3	166	12220	Z6	448	12267	K6	256
12081	C6	138	12127	K6	255	12174	D3	166	12221	Z6	448	12268	K2	220
12082	C6	138	12128	K0	210	12175	D3	166	12222	L3	296	12269	K6	256
12083	C6	138	12129	K2	219	12176	D3	166	12223	A2	6	12270	K2	220
12084	C6	139	12130	K6	255	12177	D3	166	12224	K2	220	12271	K6	256
12085	C6	139	12131	K2	219	12178	D3	166	12225	K6	256	12272	K2	220
12086	C6	139	12132	K6	255	12179	D3	167	12226	K2	220	12273	K2	220
12087	C6	139	12133	K2	219	12180	K5	231	12227	K6	256	12274	K2	220
12088	H2	200	12134	K6	255	12181	K2	219	12228	K2	220	12275	K2	220
12089	H3	205	12135	K2	219	12182	K2	219	12229	K6	256	12276	K2	220

## CONTENTS (by CNS Number)

CNS no.	Category no.	Page	CNS no.	Category no.	Page	CNS no.	Category no.	Page	CNS no.	Category no.	Page	CNS no.	Category no.	Page
12277	K2	220	12324	S1	367	12371	C6	139	12418	K2	220	12465	K0	210
12278	K2	220	12325	S1	367	12372	C6	139	12419	K2	220	12466	K0	210
12279	K2	220	12326	A2	7	12373	C6	139	12420	K2	220	12467	K0	210
12280	M3	310	12327	A3	15	12374	D2	162	12421	K2	220	12468	K0	210
12281	Z1	430	12328	A2	7	12375	K6	256	12422	M2	304	12469	K0	210
12282	A3	15	12329	A3	15	12376	K6	256	12423	P3	347	12470	K0	210
12283	A2	6	12330	A2	7	12377	K6	256	12424	P3	347	12471	L3	296
12284	A3	15	12331	A3	15	12378	K6	256	12425	P3	347	12472	A3	16
12285	A2	7	12332	A2	7	12379	R2	356	12426	P3	347	12473	C6	139
12286	A3	15	12333	A3	15	12380	R3	360	12427	P3	347	12474	L3	296
12287	C5	127	12334	B3	61	12381	R3	360	12428	P3	347	12475	L3	296
12288	C5	127	12335	B3	61	12382	A3	15	12429	Z2	433	12476	Z7	454
12289	C7	151	12336	B3	61	12383	A3	15	12430	A2	7	12477	Z2	434
12290	C7	151	12337	B3	61	12384	A3	15	12431	A2	7	12478	Z2	434
12291	C5	127	12338	B3	61	12385	A3	15	12432	A3	16	12479	Z2	434
12292	C7	151	12339	C4	109	12386	A3	15	12433	A3	16	12480	Z7	454
12293	C7	151	12340	X7	429	12387	A3	15	12434	B2	51	12481	B6	68
12294	C7	151	12341	K2	220	12388	A3	15	12435	C4	109	12482	K6	256
12295	C5	127	12342	K2	220	12389	A3	15	12436	C4	109	12483	K6	256
12296	C7	151	12343	K2	220	12390	A3	15	12437	C4	109	12484	K2	220
12297	C6	139	12344	K2	220	12391	A3	15	12438	C4	109	12485	Z7	454
12298	C6	139	12345	K2	220	12392	A3	15	12439	C4	109	12486	H3	205
12299	D3	167	12346	K2	220	12393	A3	16	12440	C4	109	12487	H3	205
12300	K2	220	12347	N3	316	12394	A3	16	12441	C4	109	12488	G3	195
12301	K2	220	12348	N3	316	12395	A3	16	12442	C4	109	12489	G3	195
12302	K2	220	12349	A2	7	12396	X1	395	12443	L4	301	12490	C1	84
12303	K2	220	12350	A3	15	12397	X1	395	12444	L4	301	12491	C1	84
12304	K2	220	12351	A2	7	12398	K2	220	12445	R2	356	12491-1	C1	84
12305	K2	220	12352	A3	15	12399	K2	220	12446	T2	383	12491-2	C1	84
12306	K2	220	12353	C4	109	12400	K2	220	12447	T2	383	12491-3	C1	84
12307	K2	220	12354	C1	84	12401	K2	220	12448	T2	383	12491-4	C1	84
12308	K2	220	12355	C1	84	12402	K2	220	12449	T4	385	12491-5	C1	84
12309	K2	220	12356	C1	84	12403	Z2	433	12450	Z8	462	12491-6	C1	84
12310	K2	220	12357	C1	84	12404	Z8	462	12451	Z8	462	12491-7	C1	84
12311	K2	220	12358	C6	139	12405	Z2	433	12452	Z2	433	12491-8	C1	84
12312	M3	310	12359	C6	139	12406	Z2	433	12453	Z2	433	12491-9	C1	84
12313	M3	310	12360	C6	139	12407	Z2	433	12454	Z3	437	12491-10	C1	84
12314	M3	310	12361	C6	139	12408	Z5	445	12455	Z8	462	12491-11	C1	84
12315	M3	310	12362	C6	139	12409	Z5	445	12456	A2	7	12491-12	C1	84
12316	M3	310	12363	C6	139	12410	A2	7	12457	A3	16	12491-13	C1	84
12317	M3	310	12364	C6	139	12411	A3	16	12458	A3	16	12491-14	C1	84
12318	M3	310	12365	X0	393	12412	A2	7	12459	A3	16	12492	C4	109
12319	M3	310	12366	C6	139	12413	A3	16	12460	A3	16	12493	K3	224
12320	M3	310	12367	C6	139	12414	A2	7	12461	K0	210	12494	K6	256
12321	M3	310	12368	C6	139	12415	A3	16	12462	K0	210	12495	P3	347
12322	N6	331	12369	C6	139	12416	K0	210	12463	K0	210	12496	P3	347
12323	S1	367	12370	C6	139	12417	K2	220	12464	K0	210	12497	S1	368

## CONTENTS (by CNS Number)

CNS no.	Category no.	Page	CNS no.	Category no.	Page	CNS no.	Category no.	Page	CNS no.	Category no.	Page	CNS no.	Category no.	Page
12498	S2	374	12535	H3	205	12582	G3	195	12629	N6	331	12674	Z8	462
12499	S1	368	12536	H2	200	12583	G3	195	12630	N6	331	12675	Z8	462
12500	S2	374	12537	K1	216	12584	G3	195	12631	N6	331	12676	Z8	462
12501	S1	368	12538	N6	331	12585	G3	195	12632	N6	331	12677	Z8	462
12502	S2	374	12539	N6	331	12586	K0	210	12633	N6	331	12678	B4	63
12503	Z9	465	12540	N6	331	12587	K0	210	12634	N6	331	12679	B4	63
12504	Z9	465	12541	N6	331	12588	K0	210	12635	N6	332	12680	Z4	439
12505	Z9	465	12542	N6	331	12589	P2	344	12636	N6	332	12680-1	Z4	439
12506	C5	127	12543	T2	383	12590	P3	347	12637	N6	332	12680-2	Z4	439
12507	C6	139	12544	Z2	434	12591	P3	347	12638	N6	332	12680-3	Z4	439
12508	K0	210	12545	Z3	438	12592	P3	347	12639	P2	344	12680-4	Z4	439
12509	K0	210	12546	Z2	434	12593	S1	368	12640	P3	347	12681	Z4	440
12510	K0	210	12547	Z8	462	12594	S2	374	12641	T3	384	12682	Z4	440
12511	K6	256	12548	Z8	462	12595	T4	385	12642	A1	1	12683	Z4	440
12512	K6	256	12549	A2	7	12596	A2	7	12643	A1	1	12684	Z4	440
12513	A3	16	12550	B3	61	12597	A3	16	12643-1	A1	1	12684-1	Z4	440
12514	A3	16	12551	B3	61	12598	A2	7	12643-2	A1	1	12684-2	Z4	440
12514-1	A3	16	12552	B3	61	12599	A3	16	12644	X3	412	12684-3	Z4	440
12514-4	A3	16	12553	B3	61	12600	A2	7	12645	X5	415	12684-4	Z4	440
12514-5	A3	16	12554	B1	32	12601	A3	16	12646	X3	412	12685	H3	205
12514-6	A3	16	12555	B4	63	12602	A3	16	12647	X0	393	12686	K9	286
12514-7	A3	16	12556	B7	74	12603	A2	7	12648	L4	301	12687	K9	286
12514-8	A3	16	12557	B7	74	12604	A3	16	12649	L3	296	12688	K9	286
12514-9	A3	16	12558	B7	74	12605	A3	17	12650	N5	325	12689	S1	368
12514-10	A3	16	12559	C6	139	12606	B2	51	12651	B1	32	12690	S2	374
12514-11	A3	16	12560	C6	140	12607	P3	347	12652	B5	65	12691	S2	374
12514-12	A3	16	12561	C6	140	12608	Z7	454	12653	B5	65	12692	S2	374
12515	B2	51	12562	C6	140	12609	A2	7	12654	B5	66	12693	S2	374
12516	B2	51	12563	C6	140	12610	A3	17	12655	B5	66	12694	A2	7
12517	B2	51	12564	C6	140	12611	A2	7	12656	D3	167	12695	A3	17
12518	C4	109	12565	C6	140	12612	A3	17	12657	G3	195	12696	A2	7
12519	T2	383	12566	C6	140	12613	B1	32	12658	L1	288	12697	A3	17
12520	T4	385	12567	D3	167	12614	K5	231	12659	L4	301	12698	K3	224
12521	T2	383	12568	F3	178	12615	K6	256	12660	Z8	462	12699	K6	257
12522	T4	385	12569	N6	331	12616	K6	256	12661	Z8	462	12700	N5	325
12523	T2	383	12570	N6	331	12617	K6	256	12662	Z8	462	12701	R3	360
12524	T4	385	12571	N6	331	12618	Z8	462	12663	Z8	462	12702	R3	360
12525	T2	383	12572	N3	316	12619	Z8	462	12664	Z8	462	12703	R3	360
12526	T4	385	12573	N4	319	12620	Z8	462	12665	Z8	462	12704	R3	360
12527	T2	383	12574	S1	368	12621	Z8	462	12666	Z8	462	12705	R3	360
12528	T2	383	12575	B4	63	12622	Z8	462	12667	Z8	462	12706	R3	360
12529	G3	195	12576	G3	195	12623	C4	109	12668	Z8	462	12707	Z2	434
12530	H2	200	12577	G3	195	12624	C3	96	12669	Z8	462	12708	Z2	434
12531	H2	200	12578	G3	195	12625	C4	109	12670	Z7	454	12709	Z2	434
12532	H2	200	12579	G3	195	12626	D3	167	12671	Z8	462	12710	C7	151
12533	H2	200	12580	G3	195	12627	K6	256	12672	Z8	462	12711	C5	127
12534	H3	205	12581	G3	195	12628	K6	257	12673	Z8	462	12712	C5	127

## CONTENTS (by CNS Number)

CNS no.	Category no.	Page	CNS no.	Category no.	Page	CNS no.	Category no.	Page	CNS no.	Category no.	Page	CNS no.	Category no.	Page
12713	C5	127	12760	X0	394	12807	Z9	465	12835-5	K3	224	12872	A2	7
12714	C5	127	12761	K6	257	12808	Z9	465	12836	K6	257	12873	X5	415
12715	C6	140	12762	K6	257	12809	A2	7	12837	T2	383	12874	C6	140
12716	C6	140	12763	K6	257	12810	A3	17	12838	T4	385	12875	K1	216
12717	X0	393	12764	R3	360	12811	B5	66	12839	C1	84	12876	K3	224
12718	X0	394	12765	R3	360	12812	B4	63	12840	H2	200	12877	K6	257
12719	K3	224	12766	R3	360	12813	C7	152	12841	H2	200	12878	L3	296
12720	K6	257	12767	F4	178	12814	C7	152	12842	X5	415	12879	L3	296
12721	K3	224	12768	F1	173	12815	C7	152	12843	K4	228	12880	P2	344
12722	K6	257	12769	F4	178	12816-1	C7	152	12844	K6	257	12881	P2	344
12723	N6	332	12770	F1	173	12816-3	C7	152	12845	Z8	462	12882	P3	347
12724	N6	332	12771	F4	178	12817	C6	140	12846	Z8	462	12883	P3	347
12725	N6	332	12772	F1	173	12818	X6	419	12847	Z8	462	12884	P3	347
12726	C2	90	12773	F4	178	12819	X6	419	12848	B2	51	12885	P3	347
12727	C3	96	12774	F1	173	12819-2	X6	419	12849	B2	51	12886	P3	347
12728	G3	195	12775	Z7	454	12820	X6	419	12850	B2	51	12886-1	P3	348
12729	N5	325	12776	K6	257	12821-1	X6	419	12851	B2	51	12887	P3	348
12730	N5	325	12777	K6	257	12821-2	X6	419	12852	N5	325	12887-1	P3	348
12731	P3	347	12778	K6	257	12821-3	X6	419	12853	Z2	434	12888	P3	348
12732	P3	347	12779	K6	257	12821-4	X6	419	12854	Z2	434	12889	Z4	440
12733	P3	347	12780	K6	257	12821-5	X6	419	12855	Z2	434	12890	C7	152
12734	P3	347	12781	K6	257	12821-9	S3	378	12856	Z2	434	12891	A1	2
12735	P3	347	12782	K6	257	12822	X0	394	12857	Z2	434	12892	A2	7
12736	P3	347	12783	K6	257	12823	H3	205	12858	Z2	434	12893	A2	7
12737	A2	7	12784	K6	257	12824	K9	286	12859	Z2	434	12894	A3	17
12738	A3	17	12785	K6	257	12825	K9	286	12860	Z2	434	12895	B2	51
12739	A2	7	12786	R3	361	12826	N1	313	12861	Z2	434	12896	B5	66
12740	A3	17	12787	R3	361	12827	P2	344	12862	Z2	434	12897	K7	282
12741	B2	51	12788	R3	361	12828	S1	368	12863	Z2	434	12898	L3	296
12742	B2	51	12789	S1	368	12829	S1	368	12864	Z7	454	12899	L3	296
12743	B2	51	12790	S2	374	12829-1	S1	368	12865-1	C6	140	12900	N4	319
12744	B2	51	12791	S1	368	12829-2	S1	368	12865-2	C6	140	12901	C5	127
12745	P3	347	12792	S2	374	12829-3	S1	368	12865-3	C6	140	12902	C5	127
12746	P2	344	12793	T2	383	12829-4	S1	368	12865-4	C6	140	12903	H2	200
12747	P2	344	12794	T4	385	12829-5	S1	368	12865-5	C6	140	12904	H2	200
12748	P2	344	12795	B2	51	12829-6	S1	368	12865-6	C6	140	12905	H2	200
12749	P3	347	12796	X1	395	12829-7	S1	368	12865-7	C6	140	12906	H2	200
12750	P3	347	12797	X1	395	12830	S2	374	12865-8	C6	140	12907	H2	200
12751	P3	347	12798	X1	395	12831	Z7	454	12865-9	C6	140	12908	H2	200
12752	B6	68	12799	X1	395	12832	A3	17	12865-10	C6	140	12909	H2	200
12753	B6	68	12800	T4	385	12833	A2	7	12865-11	C6	140	12910	H2	200
12754	B7	74	12801	T3	384	12834	H2	200	12866	C6	140	12911	H2	200
12755	B7	74	12802	T3	384	12835	K3	224	12867	C6	140	12912	H2	200
12756	B2	51	12803	Z5	445	12835-1	K3	224	12868	G1	182	12913	H2	200
12757	C1	84	12804	Z6	448	12835-2	K3	224	12869	N6	332	12914	L3	296
12758	X0	394	12805	Z8	462	12835-3	K3	224	12870	S1	368	12915	L3	296
12759	X0	394	12806	Z8	462	12835-4	K3	224	12871	S2	374	12916	D1	157



## CONTENTS (by CNS Number)

CNS no.	Category no.	Page	CNS no.	Category no.	Page	CNS no.	Category no.	Page	CNS no.	Category no.	Page	CNS no.	Category no.	Page
12917	B4	63	12962	Z6	448	12993	Z6	448	13037	Z7	454	13075	T1	380
12918	B4	63	12963	A2	7	12994	Z8	462	13038	Z8	463	13076	T4	385
12919	C6	140	12964	A3	17	12995	Z8	462	13039	Z7	454	13077	T4	385
12920	C6	140	12965	N4	319	12996	Z8	463	13040	Z7	454	13078	X5	415
12921	C6	140	12966	N4	319	12997	Z8	463	13041	Z7	454	13079	A1	2
12922	C7	152	12967	N4	319	12998	Z8	463	13042	Z7	454	13080	A1	2
12923	C7	152	12968	N4	319	12999	Z8	463	13043	Z7	454	13081	A1	2
12924	N6	332	12969	R2	356	13000	Z8	463	13044	A2	7	13082	A1	2
12925	N6	332	12970	R3	361	13001	Z8	463	13045	A3	17	13083	A1	2
12926	Z2	434	12971-1	X6	419	13002	Z7	454	13046	H2	200	13084	B1	32
12927	Z2	434	12971-2	X6	419	13003	Z8	463	13047	H2	200	13085	B1	32
12928	Z2	434	12971-3	X6	419	13004	Z8	463	13048	H2	200	13086	C6	141
12929	Z2	434	12971-4	X6	419	13005	Z7	454	13049	H2	200	13087	C7	152
12930	Z2	434	12971-5	X6	419	13006	Z7	454	13050	H2	200	13088	C6	141
12931	Z2	434	12971-6	X6	419	13007	Z7	454	13051	H2	200	13089	C6	141
12932	Z2	434	12972-1	X0	394	13008	Z7	454	13052	H2	200	13090	C6	141
12933	Z2	434	12972-2	X0	394	13009	Z7	454	13053	H2	200	13091	C7	152
12934	A1	2	12972-3	X0	394	13010	Z7	454	13054	H2	200	13092	C6	141
12935	A2	7	12972-4	X0	394	13011	Z7	454	13055	H2	200	13093	C6	141
12936	A3	17	12972-5	X0	394	13012	Z7	454	13056	H2	201	13094	D2	162
12937	B5	66	12972-7	X0	394	13013	Z7	454	13057	H3	205	13095	D2	162
12938	R2	356	12972-9	X0	394	13014	Z7	454	13058	H2	201	13096	D3	167
12939	R3	361	12973	G1	182	13015	Z7	454	13059-1	C6	140	13097	D3	167
12940	S1	368	12974	T1	380	13016	T2	383	13059-2	C6	140	13098	G3	195
12940-1	S1	368	12975	T1	380	13017	T3	384	13059-3	C6	140	13099	G3	195
12940-2	S1	368	12976	T1	380	13018	Z5	445	13059-4	C6	140	13100	G2	190
12941	T1	380	12977	T1	380	13019	Z6	448	13059-5	C6	140	13101	H2	201
12942	X6	419	12978	X6	419	13020	Z8	463	13059-6	C6	141	13102	H3	205
12943	L3	296	12979	H3	205	13021	Z8	463	13059-7	C6	141	13103	H3	205
12944	Z8	462	12980	N6	332	13022	C5	127	13059-8	C6	141	13104	H3	205
12945	Z8	462	12981	N6	332	13022-1	C5	127	13059-9	C6	141	13105	K0	210
12946	A1	2	12982	N6	332	13022-2	C5	128	13059-10	C6	141	13106	K0	210
12947	A1	2	12983	K7	282	13022-3	C5	128	13060	D3	167	13107	K9	286
12948	A1	2	12984-1	N6	332	13023	K3	224	13061	G3	195	13108	K9	286
12949	A1	2	12984-2	N6	332	13024	K6	257	13062	K6	257	13109	K9	286
12950	A1	2	12984-3	N6	332	13025	K3	224	13063	K6	257	13110	N6	332
12951	K5	231	12984-4	N6	332	13026	K6	257	13064	K6	257	13111	N6	332
12952	K6	257	12984-5	N6	332	13027	N4	319	13065	K6	257	13112	N6	332
12953	K6	257	12984-6	N6	332	13028	N4	319	13066	K6	257	13113	N6	332
12954	N4	319	12985	D3	167	13029	N4	319	13067	K6	257	13114	N6	332
12955	N4	319	12986	P1	343	13030	N4	319	13068	K6	257	13115	N6	332
12956	N6	332	12987	S1	368	13031	N4	319	13069	K6	257	13116	N6	332
12957	N6	332	12988	S1	368	13032	R2	356	13070	K9	286	13117	N6	332
12958	T3	384	12989	S1	368	13033	R3	361	13071	K9	286	13118	P2	344
12959	X0	394	12990	S1	368	13034	R3	361	13072	K9	286	13119	P3	348
12960	X6	419	12991	Z2	434	13035	S1	368	13073	P2	344	13120	P3	348
12961	X6	419	12992	Z5	445	13036	Z2	434	13074	P3	348	13121	P3	348

## CONTENTS (by CNS Number)

CNS no.	Category no.	Page	CNS no.	Category no.	Page	CNS no.	Category no.	Page	CNS no.	Category no.	Page	CNS no.	Category no.	Page
13122	P3	348	13169	B1	32	13204	X1	396	13246-2	X5	416	13282-1	X1	396
13123	Z7	454	13170	B1	32	13204-2	X1	396	13246-3	X5	416	13282-2	X1	396
13124	Z7	454	13171	N4	319	13204-3	X1	396	13246-4	X5	416	13282-3	X1	396
13125	Z7	454	13172	N4	319	13204-4	X1	396	13246-5	X5	416	13283	X5	416
13126	Z7	454	13173	N4	319	13205	X5	416	13246-6	X5	416	13283-5	X5	416
13127	Z7	454	13174	N4	319	13206	A2	7	13246-7	X5	416	13283-6	X5	416
13128	Z7	454	13175	A3	17	13207	A3	17	13246-8	X5	416	13283-9	X5	416
13129	A1	2	13176	A3	17	13208	A3	17	13246-9	X5	416	13284	Z1	430
13130	A1	2	13177	A3	17	13209	A2	7	13247	X5	416	13285	Z4	440
13131	A1	2	13178	A3	17	13210	A3	17	13248	Z4	440	13286	Z4	440
13132	A1	2	13179	A3	17	13211	C5	128	13249	Z4	440	13287	B2	51
13133	A1	2	13180	A3	17	13212	C5	128	13250	Z4	440	13288	C6	141
13134	A3	17	13181	D1	157	13213	C5	128	13251	Z5	445	13289	K6	258
13135	B7	74	13181-1	D1	157	13214	C6	141	13252	Z8	463	13290	K6	258
13136	B1	32	13181-2	D1	157	13215	C6	141	13253	Z8	463	13291	K6	258
13137	B1	32	13181-3	D1	157	13216	G3	195	13254	Z8	463	13292	N5	326
13138	B1	32	13181-4	D1	157	13217	G3	195	13255	K7	282	13293	Z4	440
13139	K6	257	13181-5	D1	157	13218	X1	396	13256	K7	282	13294	Z5	445
13140	P2	344	13181-6	D1	157	13219	Z4	440	13257	K9	287	13295	A2	7
13141	P2	344	13181-7	D1	157	13220	Z4	440	13258	K9	287	13296	A3	17
13142	P3	348	13181-8	D1	157	13221	Z4	440	13259	K9	287	13297	A3	17
13143	P3	348	13182	K6	257	13222	Z7	454	13260	K9	287	13298	A3	17
13144	P3	348	13183	K6	257	13223	Z7	454	13261	Z5	445	13299	A3	17
13145	P3	348	13184	N6	332	13224	Z7	454	13262	Z6	449	13300	A3	17
13146	P3	348	13185	N6	332	13225	Z7	455	13263	Z5	445	13301	A3	17
13147	P3	348	13186	P2	344	13226	Z7	455	13264	Z8	463	13302	A3	17
13148	Z7	454	13187	P2	344	13227	Z7	455	13265	A2	7	13303	C4	109
13149	Z7	454	13188	X5	415	13228	X5	416	13266	A3	17	13304	C4	109
13150	Z7	454	13188-2	X5	415	13229	Z2	434	13267	B7	75	13305	C6	141
13151	Z7	454	13188-3	X5	415	13230	Z2	434	13268	B7	75	13306-1	C7	152
13152	Z7	454	13188-5	X5	416	13231	Z2	434	13269	B1	32	13306-1-1	C7	152
13153	Z7	454	13188-6	X5	416	13232	Z6	449	13270	C4	109	13306-1-2	C7	152
13154	G3	195	13189	X5	416	13233	C7	152	13271	C3	96	13306-1-3	C7	152
13155	H2	201	13190	Z6	448	13234	K9	287	13272	G3	195	13306-1-4	C7	152
13156	K3	224	13191	B7	75	13235	N5	325	13273	G3	195	13306-1-5	C7	152
13157	K6	257	13192	B7	75	13236	N6	332	13274	H3	205	13306-2	C7	152
13158	K3	224	13193	B7	75	13237	N6	332	13275	K6	257	13306-2-1	C7	152
13159	K6	257	13194	B7	75	13238	N6	333	13276	K6	257	13306-2-2	C7	152
13160	X5	415	13195	C5	128	13239	N6	333	13277	K6	258	13306-2-3	C7	152
13161	X5	415	13196	C5	128	13240	N6	333	13278	N4	319	13306-2-4	C7	152
13162	Z7	454	13197	C5	128	13241	N6	333	13279	N4	319	13307	D3	167
13163	Z8	463	13198	C7	152	13242	N6	333	13280	N4	320	13308	D3	167
13164	Z8	463	13199	K9	286	13243	N6	333	13281-1	X1	396	13309	N6	333
13165	Z8	463	13200	K9	287	13244	N6	333	13281-2	X1	396	13310	N6	333
13166	Z8	463	13201	N4	319	13245	T4	385	13281-3	X1	396	13311	N6	333
13167	B1	32	13202	N4	319	13246	X5	416	13281-4	X1	396	13312	N6	333
13168	B1	32	13203	X0	394	13246-1	X5	416	13282	X1	396	13313	N6	333

## CONTENTS (by CNS Number)

CNS no.	Category no.	Page	CNS no.	Category no.	Page	CNS no.	Category no.	Page	CNS no.	Category no.	Page	CNS no.	Category no.	Page
13314	P3	348	13350-8	Z1	431	13379	K5	231	13395	X3	412	13442	K2	220
13315	T1	380	13350-9	Z1	431	13380	K5	231	13396	X2	409	13443	K6	258
13316	T1	380	13350-10	Z1	431	13381	K9	287	13397	X1	396	13444	N1	313
13317	T1	380	13351-1	Z4	440	13382-1	T1	380	13398	X5	417	13445	N1	313
13318	T4	385	13351-2	Z4	440	13382-2	T1	380	13399	X1	396	13446	N1	313
13319	X4	414	13351-3	Z4	440	13382-3	T1	380	13400	Z2	434	13447	R2	356
13320	X4	414	13352-1	Z9	466	13382-4	T1	380	13401	Z7	455	13448	R3	361
13321	X4	414	13352-2	Z9	466	13382-5	T1	380	13402	Z7	455	13449	X3	412
13322	X4	414	13352-3	Z9	466	13382-6	T1	380	13403	Z8	463	13450	Z9	466
13323	X5	416	13352-4	Z9	466	13382-7	T1	380	13404	Z8	463	13451	Z9	466
13324	X5	416	13352-5	Z9	466	13382-8	T1	380	13405	Z8	463	13452	C7	152
13325	X5	416	13352-6	Z9	466	13382-9	T1	380	13406	Z8	463	13453	D2	162
13326	X5	416	13352-7	Z9	466	13382-10	T1	380	13407	A3	17	13454	K3	224
13327	X5	416	13352-8	Z9	466	13382-11	T1	380	13408	N6	333	13455	K6	258
13328	X5	416	13352-10	Z9	466	13382-12	T1	380	13409	N6	333	13456	N5	326
13329	X5	416	13353	K1	216	13382-13	T1	380	13410	N6	333	13457	N6	333
13330	B2	51	13354	K9	287	13382-14	T1	380	13411	N6	333	13458	N5	326
13331	C7	152	13355	P3	348	13382-15	T1	380	13412	N6	333	13459	N6	333
13332	K6	258	13356	R2	356	13382-16	T1	380	13413	N6	333	13460	T1	381
13333	K6	258	13357	S1	368	13382-17	T1	380	13414	N6	333	13461	Z7	455
13333-1	K6	258	13358	T1	380	13382-18	T1	380	13415	N6	333	13462	Z7	455
13333-2	K6	258	13359	X0	394	13382-19	T1	380	13416	P3	348	13463	Z7	455
13333-3	K6	258	13359-1	X0	394	13382-20	T1	381	13417	P3	348	13464	Z8	463
13334	K6	258	13359-2	X0	394	13382-21	T1	381	13418	P3	348	13465	A3	17
13335	K6	258	13359-3	X0	394	13382-22	T1	381	13419	P3	348	13466	K0	210
13336	K6	258	13359-4	X0	394	13382-23	T1	381	13420	Z9	466	13467	K0	210
13337	X4	414	13360	X2	409	13382-24	T1	381	13421	Z9	466	13468	K0	210
13338	Z7	455	13361	X5	416	13382-25	T1	381	13422	K4	228	13469	K0	211
13339	Z7	455	13362	X1	396	13382-26	T1	381	13423	K6	258	13470	K0	211
13340	Z7	455	13363	X1	396	13382-27	T1	381	13424	K5	231	13471	K0	211
13341	Z8	463	13364	X1	396	13382-28	T1	381	13425	K5	231	13472	K0	211
13342	Z8	463	13365	X1	396	13382-29	T1	381	13426	K5	231	13473	K0	211
13343	G3	195	13366	X4	414	13382-30	T1	381	13427	K5	231	13474	K3	224
13344	K3	224	13367	X4	414	13383	X0	394	13428	K5	231	13475	K6	258
13345	K6	258	13368	X4	414	13384	X5	416	13429	K6	258	13476	N4	320
13346	K3	224	13369-1	X4	414	13385	X5	416	13430	R1	352	13477	T1	381
13347	K6	258	13369-2	X4	414	13386	X5	416	13431	R2	356	13478-1	T1	381
13348	K9	287	13369-3	X4	414	13387	D3	167	13432	R3	361	13478-2	T1	381
13349	P3	348	13370	Z2	434	13388	G2	190	13433	A1	2	13478-3	T1	381
13350	Z1	430	13371	Z2	434	13388-0	G2	190	13434	N6	333	13479	X5	417
13350-1	Z1	431	13372	Z7	455	13388-7	G2	190	13435	N6	333	13480	A2	7
13350-2	Z1	431	13373	B6	68	13389	K9	287	13436	Z2	434	13481	A3	17
13350-3	Z1	431	13374	B6	68	13390	C4	109	13437	B7	75	13482	A3	17
13350-4	Z1	431	13375	B6	68	13391	G2	190	13438	C6	141	13483	A3	17
13350-5	Z1	431	13376	D3	167	13392	G3	196	13439	C6	141	13484	C5	128
13350-6	Z1	431	13377	G3	195	13393	P3	348	13440	D3	167	13485	C5	128
13350-7	Z1	431	13378	G3	196	13394	P3	348	13441	D3	167	13486	N1	313

## CONTENTS (by CNS Number)

CNS no.	Category no.	Page	CNS no.	Category no.	Page	CNS no.	Category no.	Page	CNS no.	Category no.	Page	CNS no.	Category no.	Page
13487	R2	356	13531	B1	32	13573	N6	333	13613	A2	7	13660-1	X1	396
13488	R2	356	13532	B1	32	13574	N6	333	13614	A3	18	13660-2	X1	396
13489	X1	396	13533	B1	32	13575-1	T5	386	13615	A2	7	13660-3	X1	396
13490	Z7	455	13534	B1	32	13575-2	T5	386	13616	A3	18	13660-4	X1	396
13491	Z7	455	13535	B1	32	13575-3	T5	386	13617	A3	18	13660-5	X1	396
13492	A2	7	13536	B1	32	13575-4	T5	386	13618	A3	18	13660-6	X1	396
13493	A3	17	13537	D2	162	13575-5	T5	386	13619	A3	18	13661	X1	396
13494	B7	75	13538	D2	162	13575-6	T5	386	13620	A3	18	13662	X1	396
13495	B7	75	13539	Z2	434	13575-7	T5	386	13621	C4	109	13663	X1	397
13496	K3	224	13540	A2	7	13575-8	T5	386	13622	C7	152	13664	X1	397
13497	K6	258	13541	A3	17	13576	T5	386	13623	C6	141	13665	X1	397
13498	N4	320	13542	C4	109	13577	T5	386	13624	C6	141	13666	X1	397
13499	N4	320	13543	C3	96	13578	Z2	434	13625	C7	153	13666-1	X1	397
13500	N4	320	13544	C5	128	13579	Z2	434	13626	Z5	445	13666-2	X1	397
13501	N4	320	13545	C5	128	13580	Z3	438	13627	B4	63	13666-3	X1	397
13502	N4	320	13546	K3	224	13581	Z5	445	13628	B4	63	13666-4	X1	397
13503	Z7	455	13546-1	K3	224	13582	A3	17	13629	K3	224	13666-5	X1	397
13504	H3	205	13546-2	K3	224	13583	C7	152	13630	N6	334	13666-6	X1	397
13505	H2	201	13547	K6	258	13584	L3	296	13631	N6	334	13667-1	X1	397
13506	K3	224	13548	R2	356	13585	R3	361	13632	R1	352	13667-2	X1	397
13507	K6	258	13549	S1	368	13586	R3	361	13633	Z9	466	13667-3	X1	397
13508	Z5	445	13550	S1	368	13587	X5	417	13634	Z9	466	13667-4	X1	397
13509	Z5	445	13551	C4	109	13588	Z8	463	13635	B5	66	13667-5	X1	397
13510	Z6	449	13552	K6	258	13589	C2	90	13636	B5	66	13668-1	X1	397
13511	N4	320	13553	K6	258	13590	K6	258	13637	B5	66	13668-2	X1	397
13512	A2	7	13554	K6	258	13591	L4	301	13638	G3	196	13668-3	X1	397
13513	A2	7	13555	K6	258	13592	L4	301	13639	G3	196	13669	N6	334
13514	A2	7	13556	K6	258	13593	L3	296	13640	N4	320	13670	N6	334
13515	A2	7	13557	K6	258	13594	L3	296	13641	N4	320	13671	N6	334
13516	C4	109	13558	K6	258	13595	L3	296	13642	N4	320	13672	N6	334
13517	G3	196	13559	K6	258	13596	S2	374	13643	T5	386	13673	N6	334
13518	H3	205	13560	N4	320	13597	X4	414	13644	Z2	434	13674	N6	334
13519	H3	205	13561	N4	320	13598	X4	414	13645	Z2	434	13675	N6	334
13520	H3	205	13562	O1	339	13599	A2	7	13646	Z2	434	13676	X1	397
13521	H2	201	13563	O2	341	13600	A3	18	13647	C2	90	13677	X1	397
13521-1	H2	201	13564-1	X5	417	13601	L3	296	13648	C6	141	13678	X1	397
13522	X0	394	13564-2	X5	417	13602	S1	368	13649	C6	141	13679	X1	397
13523	X0	394	13565	X5	417	13603	S1	368	13650	C6	141	13680	X1	397
13524	X0	394	13566	Z9	466	13604	S1	368	13651	C6	141	13681	X1	397
13525-1	X5	417	13567	K0	211	13605	S2	374	13652	C6	141	13682	X1	397
13526	X5	417	13568	K0	211	13606	Z4	440	13653	C6	141	13683	X1	397
13527	X5	417	13569	N4	320	13607	Z7	455	13654	C6	141	13684	X1	397
13528-1	X5	417	13570-1	N6	333	13608	Z7	455	13655	C6	141	13685	X1	397
13528-2	X5	417	13570-2	N6	333	13609	Z7	455	13656	C6	141	13686	X1	397
13529-1	X5	417	13570-3	N6	333	13610	Z7	455	13657	Z4	440	13687	X1	398
13529-2	X5	417	13571	N6	333	13611	Z7	455	13658	K2	220	13688	X1	398
13530	X5	417	13572	N6	333	13612	Z7	455	13659	X1	396	13689	X1	398

## CONTENTS (by CNS Number)

CNS no.	Category no.	Page	CNS no.	Category no.	Page	CNS no.	Category no.	Page	CNS no.	Category no.	Page	CNS no.	Category no.	Page
13690	X1	398	13737	X1	399	13764	T3	384	13802-4	C1	84	13841	X1	400
13691	X1	398	13738	X1	399	13765	T3	384	13802-5	C1	84	13842	X1	400
13692	X1	398	13739	X1	399	13766	T4	385	13802-6	C1	84	13843	X1	400
13693	X1	398	13740-1	X1	399	13767	T4	385	13802-7	C1	84	13844	X1	400
13694	X1	398	13740-2	X1	399	13768	T4	385	13802-8	C1	84	13845	X1	400
13695	X1	398	13740-3	X1	399	13769	T4	385	13802-9	C1	84	13846	X5	417
13696	X1	398	13740-4	X1	399	13770	T4	385	13802-10	C1	84	13847	X1	400
13697	X1	398	13740-5	X1	399	13771	Z7	455	13802-11	C1	85	13848	X0	394
13698	X1	398	13740-6	X1	399	13772	Z7	455	13803	C6	142	13849	X1	400
13699	X1	398	13740-7	X1	399	13773	Z7	455	13804	C6	142	13850	X1	400
13700	X1	398	13740-8	X1	399	13774	Z7	455	13805	C6	142	13851-1	X6	419
13701	X1	398	13740-9	X1	399	13775	Z7	455	13806	C6	142	13852-2	X6	419
13702	X1	398	13740-10	X1	399	13776	Z7	455	13807	C6	142	13853-1	X3	412
13703	X1	398	13740-11	X1	399	13777	A2	7	13808	C7	153	13853-2	X3	412
13704	X1	398	13741-1	X1	399	13778	A3	18	13809	C7	153	13853-3	X3	412
13705	X1	398	13741-2	X1	399	13779	C6	141	13810	C7	153	13853-4	X3	413
13706	X1	398	13741-3	X1	399	13780	C6	141	13811	C7	153	13854	X6	419
13707	X1	398	13741-4	X1	399	13781	C6	141	13812	G3	196	13855	X6	419
13708	X1	398	13741-5	X1	399	13782	C7	153	13813	G1	182	13856	X6	419
13709	X1	398	13741-6	X1	399	13783-1	C6	142	13814	K4	228	13857	X1	400
13710	X1	398	13742-1	X1	400	13783-2	C6	142	13815	K4	228	13858	X1	400
13711	X1	398	13742-2	X1	400	13784	K6	258	13816	Z5	445	13858-2	X1	400
13712	X1	398	13742-3	X1	400	13785	L3	296	13817	G3	196	13859	X1	401
13713	X1	398	13742-5	X1	400	13786	K6	258	13818	N6	334	13860	X1	401
13714	X1	398	13742-6	X1	400	13787	K6	258	13819	N6	334	13861	X1	401
13715	X1	398	13742-7	X1	400	13788	K6	258	13820	N6	334	13862	X1	401
13716	X1	399	13743	X1	400	13789-1	X6	419	13821	N6	334	13863	A2	7
13717	Z8	463	13744	X1	400	13789-2	X6	419	13822	N6	334	13864	D2	162
13718	Z8	463	13745	X1	400	13789-3	X6	419	13823	N6	334	13865	D1	157
13719	Z7	455	13746	K3	224	13789-4	X6	419	13824	N6	334	13866	D1	157
13720	Z9	466	13747	K6	258	13789-5	X6	419	13825	N6	334	13867	H3	205
13721	Z9	466	13748	K7	282	13790	C6	142	13826	O1	339	13868	H3	205
13722	Z9	466	13749	L3	296	13791	C6	142	13827	Z4	440	13869	H3	205
13723	B6	68	13750	L3	296	13792	C6	142	13827-2	Z4	440	13870	H3	205
13724	C6	141	13751	L3	296	13793	C6	142	13828	X1	400	13871	K3	224
13725	C6	141	13752	L3	296	13794	C6	142	13829	X0	394	13872	K6	258
13726	C6	141	13753	Z7	455	13795	X1	400	13830	X1	400	13873	K6	259
13727	C6	141	13754	Z7	455	13796	X1	400	13831	X1	400	13874	K6	259
13728	K4	228	13755	C4	109	13797	X1	400	13832	X1	400	13875	K6	259
13729	K7	282	13756	L3	296	13798-1	X5	417	13833	X0	394	13876	K6	259
13730	X1	399	13757	N6	334	13798-2	X5	417	13834	X1	400	13877	K6	259
13731	X1	399	13758	N6	334	13799	X5	417	13835	X1	400	13878	N4	320
13732	X1	399	13759	N6	334	13800	Z9	466	13836	X1	400	13879	N5	326
13733	X1	399	13760	N6	334	13801	Z9	466	13837	X2	409	13880	X1	401
13734	X1	399	13761	N6	334	13802-1	C1	84	13838	X2	409	13881	X1	401
13735	X1	399	13762	R2	356	13802-2	C1	84	13839	X1	400	13882	X1	401
13736	X1	399	13763	R3	361	13802-3	C1	84	13840	X5	417	13883	X1	401

## CONTENTS (by CNS Number)

CNS no.	Category no.	Page	CNS no.	Category no.	Page	CNS no.	Category no.	Page	CNS no.	Category no.	Page	CNS no.	Category no.	Page
13884	X5	417	13913-7	X1	402	13932	X1	403	13967	A3	18	13992	C7	153
13885	X1	401	13913-8	X1	402	13933	X1	403	13968	A3	18	13993	E3	171
13886	X5	417	13913-9	X1	402	13934	X1	403	13969	A3	18	13994	E3	171
13887	X1	401	13913-10	X1	402	13935-1	X6	420	13970	A3	18	13995	E3	171
13888-1	X1	401	13913-11	X1	402	13935-2	X6	420	13971	A3	18	13996	E3	171
13888-2	X1	401	13914-1	X1	402	13935-3	X6	420	13972	A3	18	13997	E3	171
13889	X0	394	13914-2	X1	402	13936-1	X6	420	13973	A3	18	13998	N6	334
13889-1	X0	394	13914-3	X1	402	13936-2	X6	420	13974	A3	18	13999	T4	385
13889-2	X0	394	13914-4	X1	402	13936-3	X6	420	13975	A3	18	14001	Q2	350
13889-3	X0	394	13914-5	X1	402	13936-4	X6	420	13976	A3	18	14004	Q2	350
13889-4	X0	394	13914-6	X1	402	13936-5	X6	420	13977	A2	7	14005	Q2	351
13890	X0	394	13914-7	X1	402	13936-6	X6	420	13978	A2	7	14010	Q2	350
13890-1	X0	395	13914-8	X1	402	13936-7	X6	420	13979	B6	68	14011	Q2	350
13891-1	X1	401	13915-1	X1	402	13936-8	X6	420	13980	L3	296	14012	Q2	350
13891-2	X1	401	13915-2	X1	402	13937	X7	429	13981	L3	297	14015	Q2	350
13892	X1	401	13915-3	X1	403	13938-1	X6	420	13982	L3	297	14020	Q2	350
13893	X1	401	13915-4	X1	403	13938-2	X6	420	13982-1	L3	297	14021	Q2	350
13894	X1	401	13915-5	X1	403	13939	X6	420	13982-2	L3	297	14024	Q2	350
13895	X1	401	13915-6	X1	403	13940-1	X6	420	13982-3	L3	297	14025	Q2	350
13896-1	X2	409	13915-7	X1	403	13940-2	X6	420	13982-4	L3	297	14026	Q2	351
13896-2	X2	409	13915-8	X1	403	13940-3	X6	420	13982-5	L3	297	14027	Q2	351
13896-3	X2	409	13915-9	X1	403	13941	Z9	466	13982-6	L3	297	14031	Q2	350
13896-5	X2	409	13916-1	X1	403	13942	Z9	466	13982-7	L3	297	14040	Q2	350
13897	X2	409	13916-2	X1	403	13943	A2	7	13982-8	L3	297	14041	Q2	350
13898	X1	401	13917	X2	409	13944	Z7	455	13982-9	L3	297	14042	Q2	350
13899	X2	409	13918	X1	403	13945	Z7	455	13982-10	L3	297	14043	Q2	350
13900	X2	409	13919	X2	409	13946	Z7	455	13982-11	L3	297	14044	Q2	351
13901	X1	401	13920	G1	182	13947	Z7	455	13982-12	L3	297	14046	Q2	351
13902	C7	153	13921	H2	201	13948	Z7	455	13982-13	L3	297	14048	Q2	350
13903	C7	153	13922	H2	201	13949	Z7	455	13982-14	L3	297	14049	Q2	351
13904	C7	153	13923	K6	259	13950	Z7	455	13982-15	L3	297	14050	Q1	349
13905	L3	296	13924	L3	296	13951	Z9	466	13982-16	L3	297	14062	Q2	350
13906	L3	296	13925-1	X1	403	13952	D2	162	13983	R3	361	14063	Q2	351
13907	L3	296	13925-2	X1	403	13953	D3	167	13984	R3	361	14064	Q1	349
13908	X1	401	13925-4	X1	403	13954	K5	231	13985	R3	361	14064-1	Q1	349
13908-2	X1	401	13926-2	X1	403	13955	K6	259	13986	R3	361	14064-2	Q1	349
13909	X1	401	13926-3	X1	403	13956	R3	361	13987	R3	361	14064-3	Q1	349
13910	X1	401	13926-4	X1	403	13957	R3	361	13988	X1	403	14065	Q1	349
13911	X1	401	13926-5	X1	403	13958	R3	361	13989	B8	78	14066	Q1	349
13912-1	X1	402	13926-6	X1	403	13959	R3	361	13989-1	B8	79	14067	Q2	351
13912-2	X1	402	13927	X1	403	13960	R3	361	13989-2	B8	79	14101	T1	381
13913-1	X1	402	13928-1	X1	403	13961	A2	7	13989-3	B8	79	14102	T1	381
13913-2	X1	402	13928-3	X1	403	13962	A1	2	13989-4	B8	79	14103-1	T5	386
13913-3	X1	402	13928-4	X1	403	13963	A3	18	13989-5	B8	79	14103-2	T5	386
13913-4	X1	402	13929	L3	296	13964	A3	18	13989-6	B8	79	14103-3	T5	386
13913-5	X1	402	13930	X1	403	13965	A3	18	13990	C2	90	14104-1	T5	386
13913-6	X1	402	13931	X1	403	13966	A3	18	13991	C7	153	14104-2	T5	386

## CONTENTS (by CNS Number)

CNS no.	Category no.	Page	CNS no.	Category no.	Page	CNS no.	Category no.	Page	CNS no.	Category no.	Page	CNS no.	Category no.	Page
14104-3	T5	386	14141	K2	220	14176-9	X6	421	14213-1	X1	405	14236	X6	421
14104-4	T5	386	14142	R3	361	14176-10	X6	421	14213-2	X1	405	14237	X6	421
14104-5	T5	386	14143	R3	361	14176-11	X6	421	14213-3	X1	405	14238	Z4	440
14105-1	X5	417	14144	R3	361	14176-12	X6	421	14213-4	X1	405	14239	J3	209
14105-2	X5	417	14145	R3	361	14176-14	X6	421	14213-5	X1	405	14240	J1	206
14105-3	X5	417	14146	X1	404	14176-15	X6	421	14213-6	X1	405	14241	K3	224
14105-4	X5	417	14147-1	X5	417	14176-18	X6	421	14213-7	X1	405	14242	K6	259
14106-1	X0	395	14147-2	X5	417	14177	Z4	440	14214	X1	405	14243	K6	259
14107	X6	420	14147-3	X5	417	14178	C6	142	14215	X1	405	14244	Z9	467
14108	Z5	445	14147-4	X5	417	14179	C6	142	14216	X2	409	14245	A2	7
14109-1	Z9	466	14148	X1	404	14180	C6	142	14217	X2	409	14246	D1	157
14109-2	Z9	466	14149	X1	404	14181	C6	142	14218	X1	405	14247	K6	259
14109-3	Z9	466	14150	X1	404	14182	C6	142	14219	X1	405	14248	K6	259
14109-4	Z9	466	14151	X1	404	14183	J1	206	14220	A3	18	14249	K6	259
14109-5	Z9	466	14152	X1	404	14184	K5	231	14221	B3	61	14250	K6	259
14109-6	Z9	466	14153	X1	404	14185	K6	259	14222	J1	206	14251	T2	383
14110	B1	32	14154	X1	404	14186	K6	259	14223	X1	405	14252	Z2	434
14111	C6	142	14155	X1	404	14187	N6	334	14224	X1	406	14253	Z2	434
14112	C6	142	14156	X5	417	14188	N6	334	14225	X1	406	14253-1	Z2	434
14113	C6	142	14157	X1	404	14189	N6	334	14226	X1	406	14253-2	Z2	434
14114	C6	142	14158	X1	404	14190	N6	334	14227	X1	406	14253-3	Z2	435
14115	C6	142	14159	X1	404	14191-1	T1	381	14228	X1	406	14253-4	Z2	435
14116	K6	259	14160	X1	404	14191-2	T1	381	14229	X1	406	14253-5	Z2	435
14117	N6	334	14161	X1	404	14191-3	T1	381	14230	X1	406	14253-6	Z2	435
14118	Z2	434	14162	X1	404	14191-4	T1	381	14231	X1	406	14254	Z1	431
14119	Z4	440	14163-1	X1	404	14191-5	T1	381	14232	X6	421	14255	Z2	435
14120	A2	7	14164	A2	7	14192	T1	381	14232-1	X6	421	14256	Z3	438
14121	X1	404	14165	C1	85	14193	T5	386	14232-2	X6	421	14257	Z3	438
14122	Z7	455	14166	J1	206	14194	T5	386	14232-3	X6	421	14258	Z3	438
14123	Z7	455	14167	L3	297	14195	T5	386	14232-4	X6	421	14259	A3	18
14124	Z9	466	14168-1	X1	404	14196	T5	386	14232-5	X6	421	14260	A3	18
14125	C4	109	14168-2	X1	404	14197	T5	386	14232-6	X6	421	14261	A3	18
14126	D1	157	14169-1	X1	404	14198-2	X1	405	14232-7	X6	421	14262	A3	18
14127	D2	162	14170	X1	404	14199	X2	409	14232-8	X6	421	14263	A3	18
14128	D3	167	14171	X1	404	14200	X2	409	14232-9	X6	421	14264	C2	90
14129	D3	167	14172	X1	405	14201	X5	417	14232-10	X6	421	14265	C4	109
14130	D2	163	14173	X1	405	14202	X1	405	14232-11	X6	421	14266	C4	109
14131	D2	163	14174	X1	405	14203	X1	405	14232-12	X6	421	14267	C4	109
14132	K2	220	14175	X1	405	14204	X1	405	14232-13	X6	421	14268	C2	90
14133	X1	404	14176-1	X6	420	14205	X5	417	14232-14	X6	421	14269	C4	109
14134	X1	404	14176-2	X6	420	14206	X1	405	14232-15	X6	421	14270	C7	153
14135	Z8	463	14176-3	X6	420	14207	X1	405	14232-16	X6	421	14271	J2	209
14136	Z8	463	14176-4	X6	420	14208	X1	405	14233	X6	421	14272	O1	340
14137	Z8	463	14176-5	X6	420	14209	X1	405	14233-11	X6	421	14273	X2	409
14138	Z8	463	14176-6	X6	420	14210	X1	405	14233-13	X6	421	14274	X2	409
14139	C6	142	14176-7	X6	420	14211	X1	405	14234	X6	421	14275	X5	418
14140	C6	142	14176-8	X6	421	14212	X1	405	14235	X6	421	14275-2	X5	418

## CONTENTS (by CNS Number)

CNS no.	Category no.	Page	CNS no.	Category no.	Page	CNS no.	Category no.	Page	CNS no.	Category no.	Page	CNS no.	Category no.	Page
14276	Z7	455	14316	R3	361	14342	C7	153	14381-3	X6	422	14396	Z4	440
14277	A1	2	14317	R3	361	14343	D2	163	14382	Z2	435	14397	Z9	467
14278	A3	18	14318	X5	418	14344	F3	178	14383	J2	209	14398	Z9	467
14279	A3	18	14319-3	X6	421	14345	K3	224	14384-1	Z2	435	14399	C4	110
14280	A3	18	14319-4	X6	421	14346	N6	335	14384-2	Z2	435	14400	C4	110
14281	A3	18	14319-5	X6	421	14347	N6	335	14384-3	Z2	435	14401-1	G3	196
14282	B3	61	14319-6	X6	421	14348	N6	335	14385	Z4	440	14401-2	G3	196
14283	C2	91	14319-7	X6	422	14349	N6	335	14386-1	D1	158	14402	Z1	431
14284	C2	91	14319-8	X6	422	14350	N6	335	14386-2	D1	158	14403	C7	153
14285	C2	91	14319-10	X6	422	14351	N6	335	14386-3	D1	158	14404	N6	335
14286	C4	109	14319-11	X6	422	14352	N6	335	14386-4	D1	158	14405	N6	335
14287	F3	178	14319-12	X6	422	14353	T5	386	14386-5	D1	158	14406	N6	335
14288	G2	190	14320	X1	406	14354	X1	406	14386-6	D1	158	14407	N6	335
14289	G2	190	14321-1	X1	406	14355	X1	406	14386-7	D1	158	14408	C5	128
14290	G2	190	14322	X1	406	14356	X6	422	14386-8	D1	158	14409	C6	142
14291	G2	190	14323	X1	406	14356-1	X6	422	14386-9	D1	158	14410	D3	167
14292	J1	206	14324-1	X1	406	14357-1	X5	418	14386-10	D1	158	14411	C7	153
14293	R2	356	14325	X1	406	14357-2	X5	418	14386-11	D1	158	14412	C7	153
14294	R3	361	14326	X1	406	14357-3	X5	418	14386-12	D1	158	14413	C7	153
14295	D1	157	14327-1	X1	406	14358	X1	406	14386-13	D1	158	14414	C7	153
14296	J1	206	14328	B7	75	14359	X5	418	14386-14	D1	158	14415	C7	153
14297	K6	259	14329	N6	334	14360	X1	407	14386-15	D1	158	14416	C7	153
14298	K6	259	14330	N6	335	14361	X1	407	14387	R3	361	14417	C7	153
14299	C5	128	14331-3	X1	406	14362	X1	407	14388	R3	361	14418	C7	153
14300	C5	128	14332	X3	413	14363	X1	407	14389	R3	361	14419	N6	335
14301-1	C5	128	14333	X1	406	14364	X1	407	14390	R3	361	14420	N6	335
14301-2	C5	128	14334-1	X1	406	14365	X1	407	14391	D1	158	14421	J1	206
14301-3	C5	128	14334-2	X1	406	14366	X5	418	14392	P2	344	14422	N4	320
14302	G3	196	14334-3	X1	406	14367	Z9	467	14393-1	T5	386	14423	N6	335
14303	N4	320	14334-5	X1	406	14368	Z9	467	14393-2	T5	386	14424	N6	335
14304-1	X1	406	14335	C4	109	14369	Z9	467	14393-3	T5	387	14425	N6	335
14304-2	X1	406	14335-2-1	C4	109	14370	Z9	467	14393-4	T5	387	14426	N6	335
14305-1	X1	406	14335-2-2	C4	110	14371	J1	206	14393-5	T5	387	14427	N6	335
14305-2	X1	406	14335-2-3	C4	110	14372	J1	206	14393-6	T5	387	14428	N6	335
14306-1	K2	220	14335-2-4	C4	110	14373	N4	320	14393-7	T5	387	14429	O1	340
14306-2	K2	220	14335-2-6	C4	110	14374	N4	320	14393-8	T5	387	14430	S1	368
14306-3	K2	221	14335-2-19	C4	110	14375	N4	320	14393-9	T5	387	14431	Q3	351
14306-4	K2	221	14336	C5	128	14376	N4	320	14393-10	T5	387	14432	K6	259
14307	Z7	456	14336-1	C5	128	14377	T3	384	14393-11	T5	387	14432-1	K6	259
14308	Z7	456	14336-21	C5	128	14378	X1	407	14393-12	T5	387	14432-2	K6	259
14309	Z7	456	14336-22	C5	128	14379-1	X6	422	14393-13	T5	387	14433	K6	259
14310	G2	190	14336-23	C5	128	14379-2	X6	422	14393-14	T5	387	14434	C6	142
14311	G2	190	14337	C7	153	14380-1	X6	422	14393-15	T5	387	14435	C7	153
14312	G2	190	14338	C7	153	14380-2	X6	422	14393-16	T5	387	14436	C7	153
14313	R3	361	14339	C7	153	14380-3	X6	422	14393-20	T5	387	14437	C4	110
14314	R3	361	14340	C7	153	14381-1	X6	422	14394	Z2	435	14438	G3	196
14315	R3	361	14341	C7	153	14381-2	X6	422	14395	Z2	435	14439	J1	206



## CONTENTS (by CNS Number)

CNS no.	Category no.	Page	CNS no.	Category no.	Page	CNS no.	Category no.	Page	CNS no.	Category no.	Page	CNS no.	Category no.	Page
14440	J2	209	14470	K6	259	14501	D2	163	14532	A1	2	14571	G1	182
14441	J2	209	14471	K6	259	14502	G2	190	14533	A1	2	14572	K3	224
14442	K3	224	14472	K6	259	14503	H2	201	14534	N3	316	14573	N4	320
14443	M3	310	14473	K6	259	14503-1	H2	201	14535	K6	260	14574	N4	320
14444	M3	310	14474	K6	259	14503-2	H2	201	14536	N6	336	14575	N4	320
14445	M3	310	14475	K6	259	14504	J1	206	14537	N6	336	14576	C4	110
14446	M3	310	14476	K6	259	14505	K6	260	14538	N6	336	14577	C7	154
14447	M3	310	14477	K6	259	14506	K6	260	14539	N6	336	14578	C7	154
14448	M1	302	14478	K6	259	14507	N6	336	14540	N6	336	14579	D3	167
14449	M1	302	14479	N6	336	14508	N6	336	14541	N6	336	14579-1	D3	167
14450	M1	302	14480	N6	336	14509	T5	387	14542	N6	336	14579-2	D3	167
14451	M1	302	14481	N6	336	14509-1	T5	387	14543	N6	336	14580	D3	167
14452	N5	326	14482	N6	336	14509-1-6	T5	387	14544	N6	336	14581	D3	167
14453	N5	326	14483	N6	336	14509-2	T5	387	14545-1	C3	96	14582	K4	228
14454	N6	335	14484-1	X4	414	14509-2-10	T5	387	14545-2	C3	96	14583	X5	418
14455	N6	335	14484-2	X4	415	14509-2-28	T5	387	14545-3	C3	96	14584	Z5	445
14456	N6	335	14484-3	X4	415	14509-2-49	T5	387	14545-4	C3	96	14585	L1	288
14457	N6	335	14484-4	X4	415	14509-2-59	T5	387	14545-5	C3	96	14586	N6	336
14458	N6	335	14484-5	X4	415	14509-3	T5	387	14545-6	C3	96	14587-1	C5	128
14459	N6	335	14484-6	X4	415	14509-4	T5	388	14545-7	C3	96	14588-5	C5	128
14460	N6	335	14484-7	X4	415	14510-1	X6	422	14545-8	C3	96	14589	K3	224
14460-1	N6	335	14484-8	X4	415	14510-2	X6	422	14545-9	C3	96	14590	Z7	456
14460-2	N6	335	14485	Z4	440	14510-3	X6	422	14546	C7	154	14591	Z7	456
14461	N6	335	14486	B8	79	14510-4	X6	422	14547	C6	143	14592	Z7	456
14462	N6	335	14487	B8	79	14511	Z2	435	14548	C6	143	14593	Z7	456
14463	A2	7	14488	B8	79	14512	Z7	456	14549	C7	154	14594	Z7	456
14464	B7	75	14489	B8	79	14513	Z7	456	14550	C6	143	14595	Z7	456
14465	C4	110	14490	B8	79	14514	A3	18	14551	C6	143	14596	Z7	456
14466-1	C7	153	14490-1	B8	79	14515	C2	91	14552	C7	154	14597	Z7	456
14466-2	C7	153	14490-2	B8	79	14516	C2	91	14553	C6	143	14598	Z7	456
14466-3	C7	153	14491	B8	79	14517-1	L1	288	14554	C6	143	14599	Z7	456
14466-7	C7	153	14492-1	C6	142	14517-2	L1	288	14555	C7	154	14600	Z7	456
14466-8	C7	153	14492-3	C6	142	14517-3	L1	288	14556	C6	143	14601	Z7	456
14466-10	C7	153	14492-4	C6	142	14518	N6	336	14557	C6	143	14602	A2	8
14466-11	C7	153	14492-6	C6	142	14519	N6	336	14558	J2	209	14603	A3	19
14466-13	C7	153	14492-9	C6	143	14520	N6	336	14559	J2	209	14604	B8	79
14466-14	C7	153	14493	K3	224	14521	N6	336	14560	K6	260	14605	K6	260
14466-15	C7	153	14494	K3	224	14522	N6	336	14561	K6	260	14606	X5	418
14466-16	C7	153	14495	O1	340	14523	N6	336	14562	A2	8	14607	C4	110
14466-17	C7	154	14496	T3	384	14524	N6	336	14563	X6	422	14608	C4	110
14466-18	C7	154	14497	A2	7	14525	N6	336	14564	X6	422	14609	C4	110
14466-20	C7	154	14498	C6	143	14526	N6	336	14565	A2	8	14610	C7	154
14466-21	C7	154	14498-1	C6	143	14527	N6	336	14566	E1	170	14611	C7	154
14467-1	C7	154	14498-2	C6	143	14528	N6	336	14567	E2	170	14612	C7	154
14467-2	C7	154	14498-3	C6	143	14529	Z2	435	14568	E1	170	14613	C7	154
14468	C7	154	14499	C6	143	14530	Z2	435	14569	E2	170	14614	S1	368
14469	C7	154	14500	C6	143	14531	A1	2	14570	G1	182	14615	Z6	449

## CONTENTS (by CNS Number)

CNS no.	Category no.	Page	CNS no.	Category no.	Page	CNS no.	Category no.	Page	CNS no.	Category no.	Page	CNS no.	Category no.	Page
14616	Z6	449	14644	X6	422	14676-10	C6	144	14712	Z7	456	14756	Z2	435
14617	Z9	467	14645	B2	51	14677-1	C7	154	14713	X1	407	14757-2	C5	129
14618	N4	320	14646	O1	340	14677-2	C7	154	14714	B8	79	14758	N6	337
14619	N4	320	14647	O1	340	14677-3	C7	154	14715	B8	79	14759	N6	337
14620	S1	368	14648	X1	407	14677-4	C7	154	14716	B8	79	14760	N6	337
14621	T1	381	14649	X5	418	14677-7	C7	154	14717	K6	260	14761	X1	408
14622-1	T1	381	14649-1	X5	418	14678	E1	170	14718	K6	260	14762	X1	408
14622-2	T1	381	14649-2	X5	418	14679	K3	225	14719	K6	260	14763	X1	408
14622-3	T1	381	14650	Z5	445	14680	N4	320	14720	L1	288	14764	X1	408
14622-4	T1	381	14651	A1	2	14681	N4	320	14721	N5	326	14765	K6	260
14622-5	T1	381	14652	A1	2	14682	N4	320	14722	X1	407	14766	K6	260
14623-1	T1	382	14653	C6	143	14683	N6	336	14723	X1	407	14767	N5	326
14623-2	T1	382	14654	C6	143	14684	N6	336	14724	X1	407	14768	N5	326
14624-1	T1	382	14655-1	C6	143	14685	P1	343	14725	Z4	440	14769	N6	337
14624-2	T1	382	14655-2	C6	143	14686	X6	422	14726	B1	32	14770-1	X6	423
14624-3	T1	382	14656	C6	143	14687	Z9	467	14727	X1	407	14771	A2	8
14624-4	T1	382	14657	C6	143	14688	A2	8	14728	X6	423	14772	K6	260
14624-5	T1	382	14658	C6	143	14689	A2	8	14729	O2	341	14773	O1	340
14624-6	T1	382	14659	C6	143	14690	K5	231	14730	O2	341	14774	T5	388
14624-7	T1	382	14660-1	C6	143	14691	K5	231	14731	X6	423	14775	T4	385
14625	E1	170	14660-2	C6	143	14692	X1	407	14732	A3	19	14776	T4	385
14626	E1	170	14661	K3	224	14693	X1	407	14733	A3	19	14777	T4	386
14627	K6	260	14662	X1	407	14694-1	C7	154	14734	C5	128	14778	T5	388
14628	K6	260	14663	Z5	445	14694-2	C7	154	14735-3	C5	129	14779	A3	19
14629-1	X6	422	14664	K3	224	14694-3	C7	154	14735-7	C5	129	14780	B7	75
14629-3	X6	422	14665	K6	260	14694-4	C7	154	14735-8	C5	129	14781	B7	75
14630	O1	340	14666	K6	260	14694-5	C7	154	14735-9	C5	129	14782	B8	79
14631	O1	340	14667	K6	260	14695	X1	407	14736	L1	288	14783	K6	260
14632	O1	340	14668	K6	260	14696	X1	407	14737	X1	407	14784	K6	260
14633	O1	340	14669	K6	260	14697	X1	407	14738	X1	407	14785-1	X6	423
14634	Z6	449	14670	K6	260	14698	X1	407	14739	X1	407	14785-2	X6	423
14635	B7	75	14671	B8	79	14699	X1	407	14740	X1	407	14785-3	X6	423
14636	B7	75	14672	C6	143	14700	X1	407	14741	Z1	431	14785-4	X6	423
14637	B7	75	14673	C5	128	14701	A2	8	14742	Z5	445	14785-5	X6	423
14637-1	B7	75	14674-1	C5	128	14702	A3	19	14743	A3	19	14785-6	X6	423
14637-2	B7	75	14674-2	C5	128	14703	A3	19	14744	C2	91	14785-7	X6	423
14637-3	B7	75	14674-3	C5	128	14704	A1	2	14745	K6	260	14785-8	X6	423
14637-4	B7	75	14674-4	C5	128	14705	A3	19	14746	K6	260	14785-9	X6	423
14637-6	B7	75	14675	C6	144	14705-1	A3	19	14747	N4	320	14786	Z4	441
14637-7	B7	75	14676-1	C6	144	14705-2	A3	19	14748	N4	320	14787	Z4	441
14637-10	B7	75	14676-2	C6	144	14705-3	A3	19	14749	O1	340	14788	Z4	441
14638	K6	260	14676-3	C6	144	14706	L1	288	14750	X1	407	14789	Z4	441
14639	K6	260	14676-4	C6	144	14707	L1	288	14751	X1	407	14790	Z4	441
14640	K6	260	14676-5	C6	144	14708	T5	388	14752	X1	407	14791	A3	19
14641	K6	260	14676-6	C6	144	14709	T5	388	14753	X1	408	14792	A3	19
14642	K6	260	14676-8	C6	144	14710	Z7	456	14754	X5	418	14793	A3	19
14643	N4	320	14676-9	C6	144	14711	Z7	456	14755	Z2	435	14794	A3	19

## CONTENTS (by CNS Number)

CNS no.	Category no.	Page	CNS no.	Category no.	Page	CNS no.	Category no.	Page	CNS no.	Category no.	Page	CNS no.	Category no.	Page
14795	A3	19	14836	N6	337	14877	X1	408	14905-5	C4	110	14933	S1	368
14796-1	C2	91	14837	X3	413	14878	B1	32	14905-6	C4	110	14934-2	C5	129
14796-2	C2	91	14838	X5	418	14879	B1	32	14905-7	C4	110	14934-3	C5	129
14796-4	C2	91	14839	Z6	449	14880	B3	61	14905-8	C4	110	14934-4	C5	129
14797	K5	231	14840	A3	19	14881	B7	75	14905-9	C4	110	14934-5	C5	129
14798	T5	388	14841	A3	19	14882	B3	61	14905-11	C4	110	14935	C6	144
14799	T4	386	14842	A3	19	14883	B3	61	14905-12	C4	111	14936	K6	261
14800	T4	386	14843-1	C5	129	14884	B3	61	14905-13	C4	111	14937	K6	261
14801	T4	386	14843-2	C5	129	14885	N4	320	14905-14	C4	111	14938	K6	261
14802	X3	413	14844	K0	211	14886	N4	320	14905-15	C4	111	14939	K6	261
14803	A3	19	14845	K0	211	14887	N4	320	14905-16	C4	111	14940	L1	288
14804	B1	32	14846	K3	225	14888	N4	320	14905-17	C4	111	14941	B7	75
14805	B1	32	14847	N5	326	14889	Z4	441	14905-18	C4	111	14942	E3	171
14806	B1	32	14848	N5	326	14890	A2	8	14905-19	C4	111	14943	K6	261
14807	B1	32	14849	N6	337	14891	A1	2	14905-20	C4	111	14944	K6	261
14808	K3	225	14850	N6	337	14892	A3	19	14905-21	C4	111	14945	L1	288
14809	Z4	441	14851	N6	337	14893	G2	190	14906	K6	261	14946	L1	288
14810	Z7	456	14852	N6	337	14894	G2	190	14907	O2	341	14947	L1	288
14811	Z7	456	14853	N6	337	14895	H2	201	14908	O2	341	14948-1	X3	413
14812	Z7	456	14854	B7	75	14896	H2	201	14909	R2	356	14949	K6	261
14813	A2	8	14855-1	C4	110	14896-1	H2	201	14910	R3	362	14950	X3	413
14814	A2	8	14856	N6	337	14896-2	H2	201	14911	R3	362	14951	Z4	441
14815	A3	19	14857-1	C4	110	14896-3	H2	201	14912	T5	388	14952-1	C1	85
14816-1	C4	110	14857-2	C4	110	14896-4	H2	201	14913	T5	388	14952-2	C1	85
14816-2	C4	110	14858	C6	144	14896-5	H2	201	14914	Z4	441	14952-3-1	C1	85
14816-3	C4	110	14859	G3	196	14896-6	H2	201	14915	K5	231	14952-3-2	C1	85
14816-5-1	C4	110	14860	K6	261	14896-7	H2	201	14916	Z7	456	14952-4-1	C1	85
14816-5-5	C4	110	14861	K6	261	14896-8	H2	201	14917	A3	19	14953	C1	85
14817	K1	216	14862	K6	261	14896-9	H2	201	14918	K0	211	14954	C1	85
14818	K6	260	14863	P2	344	14896-10	H2	201	14919	K0	211	14955	C1	85
14819	K6	260	14864	X1	408	14896-11	H2	201	14920	K7	282	14956	C1	85
14820	K6	260	14865	Z6	449	14896-12	H2	201	14921	K7	282	14957	C1	85
14821	L3	297	14866-1	B6	68	14896-13	H2	201	14922	K6	261	14958-1	C6	144
14822	Z5	445	14866-2	B6	68	14896-14	H2	201	14923	K6	261	14959	C6	144
14823	K0	211	14866-3	B6	68	14897	H3	205	14924	K6	261	14960	M3	310
14824	K6	260	14867	K1	216	14898	H2	201	14925	O2	341	14961	T1	382
14825	K0	211	14868	K1	216	14899	K3	225	14926	O2	341	14962	T1	382
14826	A2	8	14869	N4	320	14900	K0	211	14927	O2	342	14963	T1	382
14827	E1	170	14870	X1	408	14901	K0	211	14928	X1	408	14964	T5	388
14828	E1	170	14871	X1	408	14902	K6	261	14929-1	X6	423	14964-1	T5	388
14829	E1	170	14872	X1	408	14903	K6	261	14929-2	X6	423	14964-2	T5	388
14830	K6	261	14873-1	D1	158	14904	K6	261	14929-3	X6	423	14964-3	T5	388
14831	K6	261	14873-2	D1	158	14905	C4	110	14929-4	X6	423	14964-4	T5	388
14832	M3	310	14873-3	D1	158	14905-1	C4	110	14929-5	X6	423	14964-5	T5	388
14833	M3	310	14874	N5	326	14905-2	C4	110	14930	E1	170	14964-6	T5	388
14834	N5	326	14875	N5	326	14905-3	C4	110	14931	P3	348	14964-7	T5	388
14835	N6	337	14876	N6	337	14905-4	C4	110	14932	R2	356	14964-8	T5	388

## CONTENTS (by CNS Number)

CNS no.	Category no.	Page	CNS no.	Category no.	Page	CNS no.	Category no.	Page	CNS no.	Category no.	Page	CNS no.	Category no.	Page
14964-9	T5	388	14983	C4	115	15018	K6	261	15032	K8	283	15074	K6	262
14964-10	T5	388	14984-1	C4	115	15019	K6	261	15033	K8	283	15075	N4	320
14964-11	T5	388	14984-11	C4	115	15020	K6	261	15034	K8	283	15076-1	B1	32
14964-13	T5	388	14984-16	C4	115	15021	N6	337	15035	T1	382	15076-2	B1	32
14964-14	T5	388	14985-1	C4	112	15022	N6	337	15036-1	T2	383	15077-1	B7	75
14964-15	T5	388	14985-2	C4	112	15023	T3	384	15037-1	T5	389	15077-2	B7	75
14964-16	T5	388	14986	F4	178	15024-1	T5	389	15037-2	T5	389	15077-3	B7	75
14964-19	T5	388	14987	F4	178	15024-4	T5	389	15037-3	T5	389	15077-4	B7	75
14964-21	T5	388	14988	F4	178	15025-1	Z9	467	15038	A3	19	15077-5	B7	75
14964-22	T5	388	14989	T5	389	15025-2	Z9	467	15039-1	K6	261	15077-6	B7	75
14964-23	T5	388	14990	T5	389	15025-5	Z9	467	15039-2	K6	261	15077-7	B7	75
14964-24	T5	388	14991	T5	389	15026-1	C4	112	15040	K6	261	15077-8	B7	75
14964-25	T5	388	14992	X6	423	15027-1	C7	154	15041-1	T5	389	15077-9	B7	76
14964-26	T5	388	14993	X6	423	15027-2	C7	154	15041-2	T5	389	15077-10	B7	76
14964-28	T5	388	14994	Z6	449	15027-3	C7	154	15041-3	T5	389	15078	K6	262
14964-30	T5	388	14995	A2	8	15028	K1	216	15042	T5	389	15079	K6	262
14965	B4	63	14996	A1	2	15029	K1	216	15043	T5	389	15080	K6	262
14966	B5	66	14997	D2	163	15030	Z1	431	15044	T5	389	15081	X1	408
14967	B5	66	14998	K8	283	15030-1	Z1	431	15045	A3	19	15082	X1	408
14968	B5	66	14999	L1	288	15030-2	Z1	431	15046	A3	19	15083	X1	408
14969-2-75	C3	97	15000	L1	288	15030-3	Z1	431	15047	S1	368	15084-1	B6	68
14970	C3	97	15001	L1	288	15030-4	Z1	431	15048	A3	19	15084-2	B6	68
14971-2-1	C4	111	15002	N6	337	15030-5	Z1	431	15049	C3	97	15084-3	B6	68
14971-2-2	C4	111	15003-1	T5	389	15030-6	Z1	431	15050	C3	97	15085	D2	163
14971-2-3	C4	111	15003-2	T5	389	15030-7	Z1	431	15051	K6	261	15086	D2	163
14972	C5	129	15004	T1	382	15030-8	Z1	431	15052	K6	261	15087	K6	262
14973	C6	144	15005-1	T5	389	15030-9	Z1	431	15053	K6	261	15088	K6	262
14974	X3	413	15005-2	T5	389	15030-10	Z1	431	15054	K6	261	15089	K6	262
14975	H1	197	15006	T5	389	15030-11	Z1	431	15055	K6	262	15090	K6	262
14976	S1	368	15007	T4	386	15030-12	Z1	431	15056	K6	262	15091	N7	338
14977	B3	61	15008	X3	413	15030-13	Z1	431	15057	K6	262	15091-1	N7	338
14978	C3	97	15009	Z4	441	15030-14	Z1	431	15058	K6	262	15091-2	N7	338
14979	C3	97	15010	K3	225	15030-15	Z1	431	15059	K6	262	15091-3	N7	338
14980-1	C4	111	15011	K8	283	15030-16	Z1	431	15060	K6	262	15091-4	N7	338
14980-2-1	C4	111	15012	Q1	349	15030-17	Z1	431	15061	K6	262	15091-5	N7	338
14980-2-2	C4	111	15013	Z4	441	15030-18	Z1	431	15062	K6	262	15091-6	N7	338
14981-1	C4	111	15014-1	X3	413	15030-19	Z1	431	15063	K6	262	15091-7	N7	338
14981-2-1	C4	111	15014-2	X3	413	15030-20	Z1	431	15064-1	K8	283	15091-8	N7	338
14981-2-4	C4	111	15014-3	X3	413	15030-21	Z1	431	15065	K8	283	15091-9	N7	338
14981-2-5	C4	111	15014-4	X3	413	15030-22	Z1	431	15066	K8	283	15091-10	N7	338
14982-1	C4	111	15014-5	X3	413	15030-23	Z1	431	15067	T5	389	15091-11	N7	338
14982-2	C4	111	15014-6	X3	413	15030-24	Z1	431	15068	X1	408	15091-12	N7	338
14982-3	C4	111	15015	C4	112	15030-25	Z1	431	15069	X1	408	15091-13	N7	338
14982-4	C4	111	15016-1	C5	129	15030-26	Z1	431	15070	X1	408	15091-14	N7	338
14982-5	C4	111	15016-2	C5	129	15030-27	Z1	431	15071	Z4	441	15091-15	N7	338
14982-6	C4	111	15016-5	C5	129	15030-28	Z1	432	15072	K5	231	15091-16	N7	338
14982-10	C4	111	15017	S1	368	15031	H3	205	15073	K5	231	15091-17	N7	338

## CONTENTS (by CNS Number)

CNS no.	Category no.	Page	CNS no.	Category no.	Page	CNS no.	Category no.	Page	CNS no.	Category no.	Page	CNS no.	Category no.	Page
15091-18	N7	338	15121	H3	205	15152	P2	344	15176-14	C4	112	15200-1-6	K6	262
15091-19	N7	338	15122	K1	216	15153	T5	389	15176-21	C4	112	15200-1-7	K6	263
15091-20	N7	338	15123	K6	264	15154	T5	389	15176-22	C4	112	15200-1-8	K6	263
15091-21	N7	338	15124	K6	264	15155	T5	389	15176-23	C4	112	15200-2-1	K6	263
15091-22	N7	338	15125-1	K8	283	15156-1	C4	112	15176-24	C4	112	15200-2-2	K6	263
15091-23	N7	338	15125-2	K8	283	15156-105	C4	112	15176-26-1	C4	112	15200-2-3	K6	263
15091-24	N7	338	15125-3	K8	283	15156-200	C4	112	15177	C4	112	15200-2-4	K6	263
15091-25	N7	338	15126	K8	283	15156-203	C4	112	15178	X1	408	15200-2-5	K6	263
15091-26	N7	338	15127	S1	368	15157	X1	408	15179	X1	408	15200-2-6	K6	263
15091-27	N7	338	15128	S1	368	15158	X1	408	15180	X1	408	15200-3-1	K6	263
15091-28	N7	338	15129	K6	264	15159	X1	408	15181	X5	418	15200-3-2	K6	263
15091-29	N7	338	15130-1-1	C4	123	15160-1	A3	19	15182	X5	418	15200-3-3	K6	263
15091-30	N7	338	15130-1-2	C4	111	15160-2	A3	19	15183	Z2	435	15200-3-4	K6	263
15093	R2	356	15130-1-3	C4	111	15160-3	A3	19	15184	Z2	435	15200-3-5	K6	263
15094	R3	362	15130-2-1	C4	123	15160-4	A3	20	15185	S1	368	15200-3-6	K6	263
15094-1	R3	362	15130-2-2	C4	124	15160-5	A3	20	15186-1	C3	97	15200-4-1	K6	263
15094-2	R3	362	15130-3-10	C4	112	15160-6	A3	20	15186-2	C3	97	15200-4-2	K6	263
15094-3	R3	362	15130-3-21	C4	112	15160-7	A3	20	15187-1	C4	112	15200-4-3	K6	263
15094-4	R3	362	15130-3-22	C4	112	15160-8	A3	20	15187-2	C4	113	15200-4-4	K6	263
15094-5	R3	362	15130-3-23	C4	112	15160-10	A3	20	15187-2-1	C4	113	15200-4-5	K6	263
15095	S1	368	15130-3-24	C4	112	15160-11	A3	20	15187-3	C4	113	15200-4-6	K6	263
15096	X1	408	15130-3-25	C4	112	15161	G2	190	15187-3-1	C4	113	15200-5-1	K6	263
15097	X1	408	15131	X1	408	15162	G2	190	15187-4	C4	113	15200-5-2	K6	263
15098	X1	408	15132	X1	408	15163	G2	190	15187-4-1	C4	113	15200-5-3	K6	263
15099	X6	423	15133	X6	423	15164	G3	196	15187-6	C4	113	15200-5-4	K6	263
15100	D1	158	15134-2	X6	423	15165	K8	283	15190	X6	424	15200-5-5	K6	263
15101	K6	262	15134-3	X6	423	15165-1	K8	283	15191	T5	389	15200-5-6	K6	263
15102	L3	297	15134-4	X6	423	15165-2	K8	283	15192	T5	389	15200-5-7	K6	263
15103	L3	297	15134-5	X6	423	15165-3	K8	283	15193-1	B1	32	15200-5-8	K6	263
15104	L3	297	15135	X6	424	15166	K8	283	15193-2	B1	32	15200-5-9	K6	264
15105	L3	297	15136	X7	429	15167	R2	356	15193-3	B1	32	15200-5-10	K6	264
15106	L3	297	15137	N6	337	15168	N5	326	15193-4	B1	32	15200-5-11	K6	264
15107	L3	297	15138	Z8	463	15169	S1	368	15194-1	C6	144	15200-6-1	K6	264
15108	G3	196	15138-1	Z8	463	15170	N5	326	15194-2	C6	144	15200-6-2	K6	264
15109	K5	231	15139	L3	297	15171	A3	20	15194-3	C6	144	15200-6-3	K6	264
15110	K6	262	15140	L3	297	15172	A3	20	15194-4	C6	144	15200-7-1	K6	264
15111	K6	262	15141	L3	297	15173	B7	76	15195	C6	145	15200-7-2	K6	264
15112	K6	262	15142	L3	297	15174	C4	115	15196	C6	145	15200-7-3	K6	264
15113	C5	129	15143	N4	320	15175	C4	115	15197	C6	145	15200-7-4	K6	264
15114	C6	144	15144	N5	326	15176-1	C4	112	15198	C6	145	15200-7-5	K6	264
15115	C6	144	15145	N5	326	15176-2	C4	112	15199	C6	145	15200-7-6	K6	264
15116	C6	144	15146	N5	326	15176-2-1	C4	112	15200-1	X6	424	15200-7-7	K6	264
15117	C6	144	15147	N5	326	15176-3	C4	112	15200-1-1	K6	262	15200-7-8	K6	264
15118-1	C6	144	15148	N5	326	15176-4	C4	112	15200-1-2	K6	262	15200-8-1	K6	264
15118-2	C6	144	15149	N5	326	15176-11	C4	112	15200-1-3	K6	262	15200-8-2	K6	264
15119	C6	144	15150	N6	337	15176-12-1	C4	112	15200-1-4	K6	262	15200-8-3	K6	264
15120	C6	144	15151	N6	337	15176-13	C4	112	15200-1-5	K6	262	15200-8-4	K6	264

## CONTENTS (by CNS Number)

CNS no.	Category no.	Page	CNS no.	Category no.	Page	CNS no.	Category no.	Page	CNS no.	Category no.	Page	CNS no.	Category no.	Page
15200-8-5	K6	264	15223	Q4	351	15255	Z2	435	15289	K6	265	15319-7	K6	265
15200-8-6	K6	264	15224	N5	326	15256	A3	20	15290	L1	288	15319-8-1	K6	265
15200-9-1	K6	264	15226	T5	390	15257	H3	205	15291	L1	288	15319-8-2	K6	265
15200-9-2	K6	264	15227	T5	390	15258	K3	225	15292	H3	205	15319-9-1	K6	265
15200-9-3	K6	264	15228-1	H2	201	15259	K5	231	15293	H3	205	15319-9-2	K6	265
15201	X6	424	15228-2	H2	201	15260	K5	231	15294	A3	20	15319-10	K6	265
15202	K6	264	15228-3	H2	201	15261	K5	231	15295	X6	425	15320	K6	265
15203	K6	264	15228-4	H2	201	15262	K6	265	15296	X6	425	15321	X6	425
15204	L3	297	15228-5	H2	201	15263	D3	167	15297-1	X6	425	15322	X6	425
15204-1	L3	297	15228-6	H2	201	15264-1	X3	413	15298	G3	196	15323	X6	425
15204-2	L3	298	15228-7	H2	201	15264-2	X3	413	15299	G3	196	15324	X6	425
15205-1	L3	298	15229	C3	97	15264-3	X3	413	15300	K5	231	15325	X6	425
15205-2	L3	298	15230	Z2	435	15264-4	X3	413	15301-1	N4	321	15326	X6	425
15206	A3	20	15231	K6	265	15264-5	X3	413	15301-2	N4	321	15327-1	X6	425
15207-1	C6	145	15232	K6	265	15265-1	T5	390	15301-3	N4	321	15327-2	X6	425
15207-2	C6	145	15233	C4	113	15265-2	T5	390	15301-4	N4	321	15327-3	X6	425
15207-3	C6	145	15234-1	X6	424	15265-3	T5	390	15301-5	N4	321	15327-4	X6	425
15207-4	C6	145	15234-2	X6	424	15266	T5	390	15301-6	N4	321	15327-5	X6	426
15207-5	C6	145	15234-3	X6	424	15267	T5	390	15301-7	N4	321	15327-6	X6	426
15207-7	C6	145	15234-4	X6	424	15268	T5	390	15301-8	N4	321	15328	X6	426
15207-8	C6	145	15235	G2	190	15269	T5	390	15302	S2	374	15328-3	X6	426
15207-10	C6	145	15236	G3	196	15270	C5	129	15303	S2	374	15329-2	X6	426
15208-1	X6	424	15237	G3	196	15271	K5	231	15304	S2	374	15329-3	X6	426
15208-2	X6	424	15238	P3	348	15272	K5	231	15305	A2	8	15329-4	X6	426
15209-1	X6	424	15239	P3	348	15273	K5	231	15306	A3	20	15329-6	X6	426
15209-2	X6	424	15240-1	X3	413	15274	K6	265	15307	A2	8	15329-7	X6	426
15210-1	X6	424	15240-2	X3	413	15275-1	X6	425	15308	A2	8	15330	N6	337
15210-2	X6	424	15241	N6	337	15275-2	X6	425	15309	A2	8	15331	S2	374
15210-3	X6	424	15242	S1	368	15275-3	X6	425	15310	A2	8	15332	Z4	441
15210-4	X6	424	15243-1	X6	425	15275-4	X6	425	15311	A3	20	15333	Z4	441
15210-6	X6	424	15243-2	X6	425	15275-5	X6	425	15312	A3	20	15334	S2	374
15210-7	X6	424	15243-3	X6	425	15276	P2	344	15313	A3	20	15335	S2	374
15211	X6	424	15243-4	X6	425	15277	P2	345	15314	A1	2	15336	S2	374
15212-3	T5	389	15244	C3	97	15278	K5	231	15315	A3	20	15337	S2	374
15212-4	T5	389	15245	A2	8	15279	K5	231	15316	A3	20	15338	S2	374
15212-5	T5	389	15246	A3	20	15280	L3	298	15317-1	K3	225	15339	S2	374
15213-1	A3	20	15247	C3	97	15281-1	K4	228	15317-2	K3	225	15340	S2	374
15213-2	A3	20	15248	C3	97	15281-2	K4	228	15317-3	K3	225	15341	S2	374
15214	N4	320	15249	C3	97	15282	K4	228	15317-5	K3	225	15342	S2	374
15215	X6	424	15250	C3	97	15283-1	K4	228	15318	K6	265	15343	S2	374
15216	X6	424	15251	X6	424	15283-2	K4	228	15319	K1	216	15344	B1	32
15217	Z5	445	15251-1	X6	424	15283-3	K4	228	15319-1	K6	265	15345-1	B1	32
15218	A3	20	15251-2	X6	424	15284	K4	228	15319-2	K6	265	15345-2	B1	33
15219	E1	170	15251-3	X6	424	15285	C4	113	15319-3	K6	265	15346	A3	20
15220	E1	170	15252	X6	425	15286	A2	8	15319-4	K6	265	15347	B1	33
15221	X7	429	15253	X6	425	15287	A3	20	15319-5	K6	265	15347-1	B1	33
15222	X7	429	15254	Z2	435	15288	P3	348	15319-6	K6	265	15348	B7	76

## CONTENTS (by CNS Number)

CNS no.	Category no.	Page	CNS no.	Category no.	Page	CNS no.	Category no.	Page	CNS no.	Category no.	Page	CNS no.	Category no.	Page
15349	B7	76	15391-2	C4	113	15424-1	C3	97	15466	C3	97	15489-2	Z7	456
15350	N5	326	15392	N4	321	15424-2	C3	97	15467-1	C4	113	15490	C4	114
15351	N5	326	15393	N1	313	15425-1	C3	97	15467-2-3	C4	114	15491-1	D3	167
15352	H3	205	15394	N4	321	15425-2	C3	97	15467-2-8	C4	114	15491-2	D3	167
15353-1	H2	202	15395	N4	321	15426-1	C6	145	15467-2-9	C4	114	15491-3	D3	167
15353-2	H2	202	15396	N4	321	15426-2	C6	145	15467-2-13	C4	114	15491-4	D3	167
15354	H2	202	15397	N4	321	15427	X6	426	15468-1	C4	114	15491-5	D3	167
15355	H2	202	15398	N4	321	15428	X6	426	15468-2	C4	114	15491-6	D3	167
15356	H2	202	15399	N4	321	15429-2	X6	426	15468-3-1	C4	114	15491-7	D3	168
15357	C4	113	15400	N4	321	15430	X6	426	15468-3-2	C4	114	15491-8	D3	168
15358	A1	2	15401	N4	321	15431	A2	8	15468-3-3	C4	114	15492	T3	384
15359	A1	2	15402	N4	321	15432	C3	97	15468-5-1	C4	114	15493	S1	369
15360	A2	8	15403	N1	313	15433	K2	221	15468-6-10	C4	114	15494	H1	197
15361	K6	265	15404	N4	321	15434	B1	33	15468-6-10	C4	114	15495	H2	202
15362	K6	265	15405	N4	321	15435	K5	231	15468-6-20	C4	114	15496	H2	202
15363	K6	265	15406	N6	337	15436	C4	113	15468-6-30	C4	114	15497	C4	115
15364	C4	113	15407	N6	337	15437	C4	113	15468-7-1	C4	114	15498	C3	97
15365	D2	163	15408	N6	337	15438	C4	113	15469-1	T5	390	15499-1	D1	158
15366	N5	326	15408-1	X5	418	15439	S1	368	15469-2	T5	390	15499-2	D1	158
15367	Z4	441	15408-2	X5	418	15440	S1	368	15470	K6	266	15499-3	D1	158
15368	Z4	441	15408-3	X5	418	15441	S1	369	15471	K6	266	15499-4	D1	158
15369-1	C4	113	15408-4	X5	418	15442	S1	369	15472	L4	301	15501	N6	337
15369-2	C4	113	15408-5	X5	418	15443	N7	338	15473	R3	362	15502	N6	337
15369-3	C4	113	15409	N6	337	15444	P3	348	15474	N5	326	15503	Z7	456
15370	D2	163	15410	N4	321	15445	P3	348	15475	A3	21	15504	G3	196
15371	A3	20	15411	N4	321	15446	P3	348	15476	A3	21	15505	R3	362
15372	K6	266	15412-1	N6	337	15447	P2	345	15477	A3	21	15506	Z1	432
15373	K6	266	15412-2	N6	337	15448-1	T1	382	15478	A3	21	15507	Z1	432
15374	K6	266	15413	N6	337	15448-2	T1	382	15479	C3	98	15508-1	B1	33
15375	K6	265	15414	N6	337	15449-2	T1	382	15480	S1	369	15509	C4	114
15376	K5	231	15415	S1	368	15449-2-10	T1	382	15481-1	D3	167	15510	C4	114
15377	R3	362	15416-1	S2	374	15450	C3	97	15481-2	D3	167	15511-1	C4	114
15378-1	R3	362	15416-2	S2	374	15451-1	C4	113	15481-3	D3	167	15511-2	C4	114
15378-2	R3	362	15417	S2	374	15452-1	C4	113	15481-4	D3	167	15511-3	C4	114
15379	R3	362	15418-1	S2	374	15453	C4	113	15481-5	D3	167	15511-21	C4	114
15380	R3	362	15418-2	S2	374	15454	C4	113	15482	X6	426	15511-21-2	C4	114
15381	C6	145	15419-1	S2	375	15455	C4	113	15483	Z4	441	15511-22	C4	114
15382	C6	145	15419-2	S2	375	15456	C4	113	15484	Z4	441	15511-23	C4	114
15383	C6	145	15420	S1	368	15457	C4	113	15485	G3	196	15511-24	C4	114
15384	C6	145	15421	S1	368	15458	B7	76	15486-1	K6	266	15512	D1	158
15385	C6	145	15422	S1	368	15459-1	X3	413	15486-2	K6	266	15513	D1	158
15386-5-2	C6	145	15423-1	B7	76	15460	Z2	435	15486-3	K6	266	15514	D3	168
15387	C3	98	15423-2	B7	76	15461	K6	266	15486-4	K6	266	15515-1	D3	168
15388	K6	265	15423-3	B7	76	15462	A3	20	15487	N4	321	15515-2	D3	168
15389	K6	266	15423-4	B7	76	15463	A3	20	15488	N4	321	15515-3	D3	168
15390	T5	390	15423-5	B7	76	15464	A2	8	15489	C3	97	15516	X6	426
15391-1	C4	113	15423-6	B7	76	15465	B4	63	15489-1	Z7	456	15517	A2	8

## CONTENTS (by CNS Number)

CNS no.	Category no.	Page	CNS no.	Category no.	Page	CNS no.	Category no.	Page	CNS no.	Category no.	Page	CNS no.	Category no.	Page
15518	A3	21	15551-4	S3	377	15571	K5	231	15603-2-1	C4	115	15628-4	T5	390
15519	A2	8	15552	S3	377	15572	K5	232	15604	G3	196	15628-6	T5	390
15520	A2	8	15553	H3	205	15573	K5	232	15605-1	K6	266	15628-10	T5	390
15521	T5	390	15554	T5	390	15574	K5	232	15605-2	K6	266	15629	Z9	467
15522	B1	33	15555	T5	390	15575	K5	232	15605-3	K6	266	15630	C4	115
15523	B1	33	15556	S1	369	15576	K5	232	15606-1	K6	266	15631	A2	8
15524-1	K6	266	15557	B2	51	15577	K5	232	15606-2	K6	266	15632	A2	8
15524-2	K6	266	15558-1	K3	225	15578	K5	232	15606-3	K6	266	15633	A2	8
15524-3	K6	266	15558-2	K3	225	15579	L3	298	15606-4	K6	266	15634	A3	21
15524-4	K6	266	15558-3	K3	225	15580-1	L3	298	15606-5	K6	266	15635	A3	21
15524-5	K6	266	15558-4	K3	225	15580-2	L3	298	15607	K6	266	15636	K6	267
15525	S1	369	15558-5	K3	225	15581	O1	340	15608	K6	266	15637	K6	267
15526	S1	369	15558-6	K3	225	15582	O1	340	15609-1	K6	266	15638	K6	267
15527	S1	369	15558-7	K3	225	15583	O1	340	15609-2	K6	267	15639	K6	267
15528	S1	369	15559	K3	225	15584	T3	384	15609-3	K6	267	15640	K6	267
15529	C3	97	15560	A3	21	15585	T3	384	15611	K6	267	15641	K6	267
15530	C3	97	15561	N6	337	15586	T3	385	15612	K6	267	15642	K6	267
15531	C3	97	15562-1	S1	369	15587	T3	385	15613	K6	267	15643	K6	267
15532	C3	97	15562-2	S1	369	15588-1	C4	115	15614	X6	426	15644	K6	267
15533-2	C4	115	15562-4	S1	369	15588-2	C4	115	15615	X6	426	15645	K6	267
15533-3	C4	115	15562-5	S1	369	15588-3	C4	115	15616	X6	427	15646-1	K6	267
15534	C6	145	15562-6	S1	369	15588-4	C4	115	15617-1	X6	427	15646-2	K6	267
15535	C4	115	15562-7	S1	369	15589	D1	158	15617-2	X6	427	15647	A2	8
15536	A2	8	15562-8	S1	369	15590-5	B2	51	15618	A2	8	15648	A2	8
15537	A3	21	15562-9	S1	369	15590-7	B2	51	15619	A3	21	15649	A3	21
15538	L4	301	15562-10	S1	369	15591-0	C4	115	15620-1	C1	85	15650-11	C4	115
15539	S1	369	15563	O1	340	15591-1	C4	115	15620-2-1	C1	85	15651-1	C3	97
15540	S1	369	15564-4	B2	51	15591-4	C4	115	15620-2-2	C1	85	15652-1	C4	115
15541	S1	369	15564-5	B2	51	15592	C4	115	15620-3	C1	85	15652-2	C4	115
15542	Z2	435	15565-1	B1	33	15593-21	X2	409	15620-4	C1	85	15652-3	C4	115
15543	Z7	456	15565-2	B1	33	15593-31	X2	409	15620-5	C1	85	15652-4	C4	115
15544-1	B1	33	15565-3	B1	33	15593-42	X2	409	15621	N4	321	15652-5	C4	115
15544-2	B1	33	15566-1	B1	33	15593-46	X2	409	15622	N4	321	15653	X6	427
15545	N6	337	15566-2	B1	33	15593-51	X2	410	15623	S1	369	15655	K6	267
15546	R3	362	15566-3	B1	33	15593-52	X2	410	15624	S1	369	15656	K6	267
15546-1	R3	362	15567-2	X6	426	15593-61	X2	410	15625-1	S1	369	15657	K6	267
15546-2	R3	362	15567-3	X6	426	15593-62	X2	410	15625-2	S1	369	15658	T5	390
15546-3	R3	362	15567-4	X6	426	15594	X6	426	15626-1	S3	377	15659-1	L1	288
15546-4	R3	362	15568	C1	85	15595-1	X6	426	15626-2	S3	377	15659-2	L1	288
15547-1	A1	2	15569-1	B7	76	15596	X6	426	15626-3	S3	377	15660-1	B7	76
15547-2	A1	2	15569-2	B7	76	15597-1	X6	426	15627-1	S3	377	15660-2	B7	76
15548	C3	97	15569-3	B7	76	15598-1	C5	129	15627-2	S3	377	15660-3	B7	76
15549	C5	129	15569-4	B7	76	15599	C6	145	15627-3	S3	377	15660-4	B7	76
15550	S3	377	15569-5	B7	76	15600	C6	145	15627-4	S3	377	15660-5	B7	76
15551-1	S3	377	15569-6	B7	76	15601	C7	155	15628-1	T5	390	15660-6	B7	76
15551-2	S3	377	15569-7	B7	76	15602	C4	115	15628-2	T5	390	15660-7	B7	76
15551-3	S3	377	15570	K6	266	15603-1	C4	115	15628-3	T5	390	15660-8	B7	77



## CONTENTS (by CNS Number)

CNS no.	Category no.	Page	CNS no.	Category no.	Page	CNS no.	Category no.	Page	CNS no.	Category no.	Page	CNS no.	Category no.	Page
15661	C5	129	15696	N4	321	15727	G3	196	15755-2-4	Z7	456	15762-5	S2	375
15662	C6	145	15697	O2	342	15728	K6	267	15755-2-5	Z7	456	15762-6	S2	375
15663	C1	85	15698	Z5	445	15729	K6	267	15755-3-1	Z7	456	15762-7	S2	375
15664	X6	427	15699	Z5	445	15730	O1	340	15755-3-2	Z7	456	15762-8	S2	375
15665	K2	221	15700-1	C4	116	15731	S3	377	15755-3-3	Z7	457	15762-9	S2	375
15666	K2	221	15700-2	C4	116	15732	B8	79	15755-3-4	Z7	457	15762-10	S2	375
15667	K2	221	15700-3	C4	116	15733-1	X2	410	15755-4-1	Z7	457	15762-11	S2	375
15668	L1	288	15700-3-1	C4	116	15733-2	X2	410	15755-4-2	Z7	457	15762-12	S2	375
15669	C4	115	15701	F4	178	15733-3	X2	410	15755-4-3	Z7	457	15762-13	S2	375
15670	X6	427	15702-1	F4	178	15733-4	X2	410	15755-4-4	Z7	457	15762-14	S2	375
15671	K5	232	15702-2	F4	178	15733-9-2	X2	410	15755-5-1	Z7	457	15763-1	S2	375
15672	K5	232	15702-3	F4	178	15733-9-3	X2	410	15755-5-2	Z7	457	15763-2	S2	375
15673	K5	232	15703-1	B1	33	15733-10	X2	410	15755-5-3	Z7	457	15763-3	S2	375
15674	K5	232	15703-2	B1	33	15734-1	B1	34	15755-5-4	Z7	457	15763-4	S2	375
15675	K4	228	15703-3	B1	33	15735	B1	34	15755-5-5	Z7	457	15763-5	S2	375
15676-1	Q1	350	15704-1	B1	33	15736	N6	338	15755-5-6	Z7	457	15763-6	S2	375
15676-2	Q1	350	15704-2	B1	33	15737	C4	116	15755-5-7	Z7	457	15763-7	S2	375
15676-3	Q1	350	15705-1	B1	33	15738	N6	338	15755-5-8	Z7	457	15763-8	S2	375
15677-1	T5	390	15705-2	B1	33	15739	A2	8	15755-5-9	Z7	457	15763-9	S2	376
15678-2	T5	390	15705-3	B1	34	15740	A2	8	15755-5-10	Z7	457	15764-1	S2	376
15679	S1	369	15706	A3	21	15741	K6	267	15755-6-1	Z7	457	15764-2	S2	376
15680	C4	115	15707	N6	337	15742	Q1	350	15755-6-2	Z7	457	15764-3	S2	376
15681	X6	427	15708	N6	337	15743	S3	377	15755-6-3	Z7	457	15764-4	S2	376
15682	X6	427	15709	C1	85	15744	B1	34	15755-6-4	Z7	457	15764-5	S2	376
15683	X6	427	15710-1	C1	85	15745	B2	51	15755-6-5	Z7	457	15764-6	S2	376
15684	R2	356	15710-2	C1	85	15746-1	Z2	435	15755-7-1	Z7	457	15764-7	S2	376
15685	R3	362	15710-3	C1	85	15746-2	Z2	435	15755-7-2	Z7	457	15765-1	S2	376
15686	R3	362	15710-4	C1	85	15747	Z7	458	15755-7-3	Z7	457	15766-1	C4	118
15687	L3	298	15710-5	C1	85	15748-1	C6	146	15755-8-1	Z7	457	15766-2	C4	118
15688	S3	377	15711-1	C6	145	15748-2	C6	146	15755-9-1	Z7	457	15767-1	C4	118
15689	S3	377	15711-2	C6	145	15748-3	C6	146	15755-10-1	Z7	457	15767-2-5	C4	118
15690	T5	390	15712-1	C3	98	15748-4	C6	146	15755-11-1	Z7	457	15767-2-7	C4	118
15691-1	T5	390	15713-1	C4	116	15748-5	C6	146	15755-12-1	Z7	457	15768	E3	171
15691-2	T5	390	15713-2-2	C4	116	15748-6	C6	146	15755-13-1	Z7	458	15769	X1	408
15691-3	T5	390	15714	Z2	435	15749	X0	395	15755-13-2	Z7	458	15770	K4	228
15691-4	T5	391	15715	K5	232	15750	K6	267	15756	O2	342	15771	N5	326
15691-5	T5	391	15716	K5	232	15751	K6	267	15757	S1	369	15772	C1	85
15691-6	T5	391	15717	K5	232	15752	K6	267	15758-1	T5	391	15773	C4	118
15692-1	B1	33	15718	S3	377	15753	K3	225	15759	T5	391	15774	C4	118
15692-2	B1	33	15719	S3	377	15754	K3	225	15760-1	S2	375	15775	D3	168
15692-3	B1	33	15720	S1	369	15755-1-1	Z7	456	15760-2	S2	375	15776-1	X1	408
15693-1	C4	115	15721	Z6	449	15755-1-2	Z7	456	15760-3	S2	375	15776-2	X1	408
15693-21	C4	115	15722	Z6	449	15755-1-3	Z7	456	15761-1	S2	375	15776-401	X1	408
15693-22	C4	115	15723	Z6	449	15755-1-4	Z7	456	15762-1	S2	375	15778	Z2	435
15693-23	C4	115	15724	K4	228	15755-2-1	Z7	456	15762-2	S2	375	15779	Z5	445
15694	A3	21	15725	B2	51	15755-2-2	Z7	456	15762-3	S2	375	15780	C4	118
15695	N4	321	15726	C4	116	15755-2-3	Z7	456	15762-4	S2	375	15781-1	C4	118

## CONTENTS (by CNS Number)

CNS no.	Category no.	Page	CNS no.	Category no.	Page	CNS no.	Category no.	Page	CNS no.	Category no.	Page	CNS no.	Category no.	Page
15781-2	C4	118	15815	A3	21	15838	K3	225	15866	K5	232	15908	K5	232
15782	A3	21	15816-1	A3	21	15839	K6	268	15867	K5	232	15909	L4	301
15783-1	C4	118	15816-2	A3	21	15840	K6	268	15868	K5	232	15910-1	T5	391
15784-1	C4	118	15816-3	A3	21	15841	K5	232	15869	K5	232	15910-2	T5	391
15785-1	B1	34	15816-4	A3	21	15842	K5	232	15870	K5	232	15910-3	T5	391
15785-2	B1	34	15816-5	A3	21	15843	K5	232	15871-4	C4	118	15911	S1	369
15785-3	B1	34	15817	N5	326	15844	K5	232	15872	C4	119	15912	A1	2
15785-4	B1	34	15818	D3	168	15845	K5	232	15873-1	X1	408	15913	A1	2
15785-5	B1	34	15819	D3	168	15846	K5	232	15874-3	X2	410	15914	K6	269
15785-6	B1	34	15819-1	D3	168	15847	K5	232	15875-1	S3	377	15915	K6	269
15785-7	B1	34	15819-2	D3	168	15848-1	K6	268	15875-2	S3	377	15916	K6	269
15785-8	B1	34	15819-3	D3	168	15848-6	K6	268	15875-3	S3	377	15917	K6	269
15786	Z7	458	15819-4	D3	168	15849	K6	268	15876-1	Z7	458	15918-1	K6	269
15787	Z8	463	15819-5	D3	168	15850	K6	268	15876-2	Z7	458	15918-3	K6	269
15788	B2	51	15819-6	D3	168	15851	K6	268	15876-5	Z7	458	15919	K6	269
15789	B8	79	15819-7	D3	168	15852-1	K6	268	15876-7	Z7	458	15920	K6	269
15790	Z2	435	15820-1	D3	168	15852-2	K6	268	15877-1	Z7	458	15921	K6	269
15791	Z2	435	15820-2	D3	168	15852-3	K6	268	15878	Z7	458	15922	K6	269
15792	N5	326	15820-3	D3	168	15852-4	K6	268	15879	Z7	458	15923	K6	269
15793	N6	338	15821-2	X2	410	15853-1	S2	376	15880	Z8	463	15924	K6	269
15794	S3	377	15822	G3	196	15853-2	S2	376	15881	K6	269	15925	K6	269
15795	Z5	445	15823	K6	268	15853-3	S2	376	15882	O1	340	15926	K6	269
15796	K5	232	15824	K6	268	15853-4	S2	376	15883	B7	77	15927	K6	269
15797	K5	232	15825	K6	268	15853-5	S2	376	15884	X5	418	15928	B2	51
15798	K5	232	15826	X5	418	15853-6	S2	376	15885	B1	34	15929	C4	119
15799	K5	232	15827-20	Z1	432	15854	S3	377	15886	B1	34	15930-1	Z1	432
15800	K5	232	15827-31	Z1	432	15855-1	Z5	446	15887	B1	34	15930-2	Z1	432
15801	K6	267	15827-50	Z1	432	15855-2	Z5	446	15888	B1	34	15931	K2	221
15802	K6	267	15828	K4	228	15855-3	Z5	446	15889	B1	34	15932-1	K6	269
15803	K6	267	15829	C4	118	15855-4	Z5	446	15890	B2	51	15932-2	K6	269
15804	K6	267	15830-1	Z1	432	15855-7	Z5	446	15891	B2	51	15932-3	K6	269
15805	K6	267	15830-2	T5	391	15856	X1	408	15892	B2	51	15933	R3	362
15806	K6	267	15831	K2	221	15857-1	A3	21	15893	B2	51	15934	N5	326
15807	X1	408	15832-1-1	K6	268	15857-2	A3	21	15894	B2	51	15935	C4	119
15808	L3	298	15832-1-2	K6	268	15858	K6	268	15895	B7	77	15936	C6	146
15809	Z2	435	15832-2-1	K6	268	15859	K6	268	15896	B7	77	15937	A3	21
15810	S3	377	15832-2-2	K6	268	15860	K6	269	15897	X6	427	15938	K6	269
15811-1	C6	146	15832-2-3	K6	268	15861-1	N4	321	15898	G3	196	15939	K6	269
15811-2	C6	146	15832-2-4	K6	268	15861-2	N4	321	15899	K6	269	15940	K6	269
15811-3	C6	146	15832-3-1	K6	268	15861-3	N4	321	15900	K5	232	15941-1	K6	269
15811-4	C6	146	15832-4-1	K6	268	15861-4	N4	321	15901	K5	232	15941-2	K6	269
15811-5	C6	146	15832-4-2	K6	268	15861-5	N4	321	15902	K5	232	15942	N5	326
15812	Z2	435	15833	R2	356	15861-6	N4	321	15903	K5	232	15943	B1	34
15813-1	A3	21	15834	Z7	458	15862	A3	21	15904	K5	232	15944	C4	119
15813-2	A3	21	15835	C6	146	15863	A3	21	15905	K5	232	15945	C4	119
15814-1	A3	21	15836	K6	268	15864	A3	21	15906	K5	232	15946	X5	418
15814-2	A3	21	15837	K3	225	15865	A3	21	15907	K5	232	15947-28	X5	418

## CONTENTS (by CNS Number)

CNS no.	Category no.	Page	CNS no.	Category no.	Page	CNS no.	Category no.	Page	CNS no.	Category no.	Page	CNS no.	Category no.	Page
15948-1	X5	418	15986-2	Z7	458	16007	S1	369	16034	S1	370	16076	Z2	436
15949-1	X6	427	15986-3	Z7	458	16008	S1	369	16035	S1	370	16077	T5	392
15949-3	X6	427	15986-4	Z7	458	16009-1	S1	369	16036	Z1	432	16078	H2	202
15950-1	C6	146	15986-5	Z7	458	16009-2	S1	370	16037	S1	370	16079-1	Z2	436
15950-2	C6	146	15986-6	Z7	458	16009-3	S1	370	16038	S1	370	16079-2	Z2	436
15951	Z3	438	15987	S1	369	16009-4	S1	370	16039	S1	370	16080	C4	121
15952	Z3	438	15988	C4	120	16009-6	S1	370	16040	S1	370	16081-1	L3	298
15953	K3	225	15989	C6	146	16009-7	S1	370	16041	S1	370	16081-3	L3	298
15954-1	K3	225	15990	C6	146	16010-1	T5	391	16042	S1	370	16083	S1	370
15954-2	K3	225	15991	A3	21	16010-2	T5	391	16043	S1	370	16083-1	R3	362
15954-3	K3	225	15992	A3	21	16010-3	T5	391	16044	S1	370	16083-2	R3	362
15955-1	K3	225	15993-1	H2	202	16011-1	B1	34	16045	S1	370	16084	Z4	442
15955-2	K3	225	15994	K6	270	16011-2	B1	34	16046	S1	370	16085	Z4	442
15956	K6	269	15995	K4	228	16011-3	B1	34	16047	C4	121	16086	C4	121
15957	K6	269	15996	K3	225	16011-4	B1	34	16048	C4	121	16087	C4	121
15958	K6	269	15997	K6	270	16012-1	C4	120	16049	G3	196	16088	C4	121
15959	K6	270	15998	K6	270	16012-2	C4	120	16050	Z7	458	16089	B7	77
15960	K1	216	15999	K6	270	16013	C4	120	16051	T5	391	16090	X2	411
15961	S3	378	16000-1	Q1	349	16014	X2	411	16052	T5	392	16091	Z7	458
15962	Z4	442	16000-2	Q1	349	16015-1	Z2	435	16053	Z5	446	16092	Z7	458
15962-2	Z4	442	16000-3	Q1	349	16015-2	Z2	435	16054-1	Z2	436	16093-1	Z7	458
15963	X6	427	16000-4	Q1	349	16016-1	K3	225	16055	Z2	436	16093-3	Z7	459
15964	X6	427	16000-5	Q1	349	16016-2	K3	225	16056	Z2	436	16094-1	G1	182
15965	Z2	435	16000-6	Q1	349	16016-3	K3	226	16057	Z2	436	16094-2	G1	182
15966	Z6	449	16000-7	Q1	349	16016-5	K3	226	16058	K6	270	16095	S1	370
15967	A2	8	16000-8	Q1	349	16016-7	K3	226	16059	K6	270	16096	Z4	442
15968	K6	270	16000-9	Q1	349	16017	B7	77	16060	K6	270	16097-1	B1	34
15969	E3	171	16000-10	Q1	349	16018-1	C4	120	16061	L3	298	16097-2	B1	34
15970	Z2	435	16000-11	Q1	349	16018-2	C4	120	16062	L3	298	16097-3	B1	34
15971	T5	391	16000-12	Q1	349	16018-8	C4	120	16063	L3	298	16098	C4	121
15972	E3	171	16000-13	Q1	349	16019	C4	120	16064	A2	8	16099	A3	22
15973	S1	369	16000-14	Q1	349	16020	Z2	435	16065	O2	342	16100	Z7	459
15974	S3	378	16000-15	Q1	349	16021	Z2	436	16066	S3	378	16101	Z7	459
15975	S3	378	16000-16	Q1	349	16022	A3	21	16067	Z4	442	16102	Z7	459
15976	B2	51	16000-17	Q1	349	16023	K2	221	16068-1	B7	77	16103	Z2	436
15977	X2	410	16000-23	Q1	350	16024	S1	370	16068-2	B7	77	16104	Z2	436
15978	S1	369	16000-24	Q1	350	16025	S1	370	16069	C4	121	16105	Z2	436
15979	C4	120	16000-25	Q1	350	16026	Z5	446	16070-1	B2	52	16106	R3	362
15980	Z3	438	16000-26	Q1	350	16027	C4	120	16070-2	B2	52	16107-1	B1	34
15981	K6	270	16000-28	Q1	350	16028	C4	120	16070-3	B2	52	16107-2	B1	34
15982	S1	369	16001	K6	270	16029	B4	63	16070-4	B2	52	16107-3	B1	34
15983	C4	120	16002	K6	270	16030	B2	51	16070-5	B2	52	16107-4	B1	34
15984	Z8	463	16003	K6	270	16031-1	S1	370	16071	A3	22	16108-1	E3	171
15985-1	Z8	463	16004	S1	369	16031-2	S1	370	16072-1	A3	22	16108-2	E3	171
15985-2	Z8	463	16005	S1	369	16031-3	S1	370	16072-2	A3	22	16109	C6	147
15985-5	Z8	463	16006-1	S1	369	16032	S1	370	16074	Z7	458	16110	X1	409
15986-1	Z7	458	16006-2	S1	369	16033	S1	370	16075-1	E2	170	16111	A3	22

## CONTENTS (by CNS Number)

CNS no.	Category no.	Page	CNS no.	Category no.	Page	CNS no.	Category no.	Page	CNS no.	Category no.	Page	CNS no.	Category no.	Page
16112	Z7	459	16141	B7	77	16174-8	K2	221	17034	Z4	442	18895	S2	376
16113-1	L3	298	16142	B7	77	16174-9	K2	221	17043	Z4	442	18896	S2	376
16113-3	L3	298	16143-2	E1	170	16175-1	E2	170	17050-1	Z4	441	19027	S3	378
16114	O1	340	16143-5	E1	170	16175-2	E2	170	17050-2	Z4	441	19028	S3	378
16115-1	S2	376	16144-1	Z2	437	16175-3	E2	170	17065	Z4	441	19029	S3	378
16115-2	S2	376	16144-2	Z2	437	16175-7	E2	170	17069	S3	378	19086-1	X6	428
16115-3	S2	376	16145-1	A2	8	16175-8	E2	171	17190-1	T5	391	19086-2	X6	428
16116	S1	370	16145-2	A2	8	16175-10	E2	171	17190-2	T5	391	19086-3	X6	428
16117	A3	22	16145-3	A2	8	16176	X6	429	17190-3	T5	391	19086-4	X6	428
16118-1	Z7	459	16145-4	A2	8	16177	X6	429	17190-4	T5	391	19637	X6	429
16119	Z8	464	16146-1	L4	301	16178	Z8	464	17190-5	T5	391	19649	B1	34
16120-1	X2	411	16147	L4	301	16179	X2	412	17190-6	T5	391	19766	X6	428
16120-2	X2	411	16148	L4	301	16180	F4	178	17190-7	T5	391	19880-1	C4	121
16120-3	X2	411	16149	E3	171	16181-1	A1	2	17190-8	T5	391	19880-3	C4	121
16120-4	X2	411	16150	E3	171	16182	A1	2	17190-9	T5	391	19881	C4	123
16121-1	Z2	436	16151	X6	429	16183	S1	370	17190-10	T5	391	19952	S1	370
16121-2	Z2	436	16152	N5	326	16184	S1	370	17190-11	T5	391	19953	S2	376
16122	Z2	436	16153	K6	270	16185	S1	370	17225-1	K8	283	19956	S2	376
16123	Z2	436	16154	C4	122	16186	S2	377	17225-2	K8	283	19957	S2	376
16124	Z4	442	16155-1	E3	172	16187	B7	77	17225-6	K8	283	19958	S2	376
16125	D1	158	16155-2	E3	172	16188-1	B7	77	17249	Z2	437	19959	Z8	464
16126	D1	158	16156-2	E2	170	16189	C6	147	17296-2	B7	77	20000-1	X6	423
16127	D1	158	16157	Z7	459	16190	X6	429	17296-3	B7	77	20000-2	X6	423
16128	D1	158	16158	K6	270	16191-3	B2	52	17296-4	B7	77	20005	X6	429
16129-1	E3	171	16159	O1	340	16192-1	D1	158	17299-1	L3	298	20071-11	X6	428
16129-2	E3	171	16160	C4	123	16192-2	D1	158	17299-2	L3	298	20071-15	X6	428
16129-3	E3	171	16161	Z2	437	16193-1	D1	159	17299-3	L3	298	20071-21	X6	428
16129-4	E3	171	16162-1	D1	158	16194	E3	172	17409	C4	121	20071-23	X6	428
16129-5	E3	171	16162-2	D1	158	16195-1	K2	221	17529	B7	77	20071-25	X6	428
16130-1	B7	77	16163-2	E2	170	16368	Z2	436	17712	Z5	445	20121	Z4	442
16130-2	B7	77	16164-1	E3	172	16494	C4	122	17788	X6	428	20187	A1	2
16131	B7	77	16165	G3	196	16653-1	Z2	436	17789	X6	428	20301	X6	429
16132-1	X2	411	16166	G3	196	16653-2	Z2	436	17799	X6	422	20302	X6	429
16132-2	X2	411	16167	Z3	438	16890-1	C4	122	17800	X6	422	20344	Z3	438
16132-3	X2	411	16168	C4	123	16890-2	C4	122	17842-1	B1	35	20345	Z2	435
16132-4	X2	411	16169	Z2	437	17000	Z4	441	17842-2	B1	35	20346	Z2	435
16133	E1	170	16170	T5	392	17007	Z4	441	17842-3	B1	35	20347	Z2	435
16134	E3	171	16171	S1	370	17011	Z4	441	17881-1	L3	298	20349-1	Z2	436
16135	A3	22	16172	S1	370	17020	Z4	441	17881-2	L3	298	20349-2	Z2	436
16136-1	B1	34	16173	S1	370	17021	Z4	441	17966	T5	392	20480-1	K0	211
16137	T5	392	16174-1	K2	221	17021-1	Z4	441	18080-1	L3	298	20480-2	K0	211
16138	T5	392	16174-2	K2	221	17021-2	Z4	441	18080-2	L3	298	20858	F4	178
16139-1	Z4	442	16174-3	K2	221	17021-3	Z4	441	18219	L3	298	20863	S2	377
16139-2	Z4	442	16174-4	K2	221	17021-10	Z4	441	18326	C4	123	20864	S2	377
16139-3	Z4	442	16174-5	K2	221	17024	Z4	441	18646-1	B8	79	20889	X6	429
16139-4	Z4	442	16174-6	K2	221	17025	Z4	440	18646-2	B8	79	21003-1	K3	226
16140	B7	77	16174-7	K2	221	17029	Z4	442	18893	Z2	436	21003-2	K3	226

## CONTENTS (by CNS Number)

CNS no.	Category no.	Page	CNS no.	Category no.	Page	CNS no.	Category no.	Page	CNS no.	Category no.	Page	CNS no.	Category no.	Page
21003-3	K3	226	27036-2	X6	427	60227-2	C2	91	60335-2-41	C4	117	60904-4	C6	147
21003-5	K3	226	27400	X6	429	60227-3	C2	91	60335-2-42	C4	117	60904-7	C6	147
21003-7	K3	226	27701	X6	429	60227-4	C2	91	60335-2-43	C4	117	60947-6-1	C4	123
21087	K1	216	28000	F4	178	60227-5	C2	91	60335-2-51	C4	117	60974-2	C4	123
21500	Z4	442	28001	F4	178	60227-6	C2	91	60335-2-52	C4	117	60974-5	C4	123
21503	Z4	442	28003	F4	178	60227-7	C2	91	60335-2-53	C4	117	60974-10	C4	123
21504	Z4	442	28004	F4	178	60228	C2	91	60335-2-55	C4	117	61058-1	C4	123
21505	Z4	442	28881	B7	77	60245-1	C2	91	60335-2-59	C4	117	61058-1-1	C4	123
21511	Z4	442	29100	X6	427	60245-2	C2	91	60335-2-60	C4	117	61058-1-2	C4	123
21549-1	X6	429	29100-1	X6	427	60245-3	C2	91	60335-2-61	C4	117	61121	C3	98
21630	B2	51	29100-2	X6	427	60245-4	C2	91	60335-2-65	C4	118	61215-1	C6	146
21927-1	Z2	436	29101	X6	428	60245-5	C2	91	60335-2-66	C4	118	61215-1-1	C6	146
21927-2	Z2	436	29134	X6	429	60245-6	C2	91	60335-2-73	C4	118	61215-1-4	C6	146
21927-3	Z2	436	29136	X6	428	60245-7	C2	91	60335-2-74	C4	118	61215-2	C6	146
21927-7	Z2	436	29151	X6	428	60245-8	C2	91	60335-2-78	C4	118	61242	C4	119
21927-8	Z2	436	29161	X1	408	60282-1	C4	123	60335-2-80	C4	118	61347-1	C4	113
22000	N5	326	29182-1	X6	428	60282-2	C4	123	60335-2-81	C4	118	61347-2-3	C4	113
22004	N5	326	29182-2	X6	428	60335-1	C4	116	60335-2-84	C4	118	61347-2-9	C4	114
22041	C4	123	29182-3	X6	428	60335-2-2	C4	116	60335-2-85	C4	118	61347-2-13	C4	114
22301	Z4	442	29182-4	X6	428	60335-2-3	C4	116	60335-2-90	C4	118	61373	E3	171
22568-1	Z3	438	29182-5	X6	428	60335-2-4	C4	116	60335-2-10	C4	118	61375-2-4	E3	172
22568-2	Z3	438	29182-6	X6	428	60335-2-5	C4	116	60335-2-11	C4	118	61377	E2	170
22568-3	Z3	438	29182-7	X6	429	60335-2-6	C4	116	60335-2-11	C4	118	61400-25-1	X2	411
22568-4	Z3	438	29191	X6	427	60335-2-7	C4	116	60423	C4	118	61400-25-2	X2	411
22716	S2	375	29802	K4	228	60335-2-8	C4	116	60456	C3	98	61400-25-3	X2	411
22774	S2	376	30101	X6	429	60335-2-9	C4	116	60494	C4	121	61400-25-6	X2	411
22775	S2	376	30128	X6	429	60335-2-10	C4	116	60598-2-11	C4	120	61427-1	C4	122
22776	S2	376	30134-1	X1	408	60335-2-11	C4	116	60598-2-12	C4	120	61427-2	C4	122
22777	S2	376	30134-2	X1	409	60335-2-12	C4	116	60598-2-13	C4	120	61439-2	C4	122
23412	Z5	446	30134-3	X1	409	60335-2-13	C4	116	60598-2-20	C4	120	61439-3	C4	122
24508	S3	378	30141	X6	429	60335-2-14	C4	116	60598-2-21	C4	120	61439-4	C4	122
26000	Z4	441	31000	Z4	441	60335-2-15	C4	116	60598-2-23	C4	120	61439-5	C4	122
27000	X6	427	31010	Z4	441	60335-2-17	C4	116	60669-1	C4	121	61439-6	C4	122
27001	X6	423	45001	Z2	436	60335-2-21	C4	117	60669-2-1	C4	121	61439-7	C4	122
27002	X6	422	50001	Q2	351	60335-2-23	C4	117	60669-2-2	C4	122	61478	Z2	436
27003	X6	427	50003	Q2	351	60335-2-24	C4	117	60669-2-3	C4	122	61496-1	C4	121
27004	X6	427	52900	B1	34	60335-2-25	C4	117	60669-2-4	C4	122	61496-2	C4	121
27005	X6	425	52901	B1	34	60335-2-28	C4	117	60669-2-5	C4	122	61591	C4	121
27006	X6	425	52902	B7	77	60335-2-29	C4	117	60669-2-6	C4	122	61724-1	C4	121
27009	X6	428	52903-1	B7	77	60335-2-30	C4	117	60670-1	C3	98	61850-2	X2	411
27010	X6	427	52904	B7	77	60335-2-31	C4	117	60705	C4	121	61850-5	X2	411
27014	X6	427	52907	B7	77	60335-2-32	C4	117	60715	C4	121	61850-6	X2	411
27016	X6	427	52910	B1	35	60335-2-34	C4	117	60730-1	C4	123	61850-7-1	X2	411
27018	X6	427	52911-1	B7	77	60335-2-35	C4	117	60799	C4	119	61850-7-2	X2	410
27019	X6	428	52911-2	B7	77	60335-2-36	C4	117	60901	C4	121	61850-7-3	X2	410
27032	X6	427	52921	B7	77	60335-2-39	C4	117	60904-1	C6	147	61850-7-4	X2	410
27036-1	X6	427	60227-1	C2	91	60335-2-40	C4	117	60904-1-2	C6	147	61850-7-6	X2	411

## CONTENTS (by CNS Number)

CNS no.	Category no.	Page	CNS no.	Category no.	Page	CNS no.	Category no.	Page	CNS no.	Category no.	Page	CNS no.	Category no.	Page
61850-7-41	X2	410	62282-5-10	C4	120	62841-2-9	C4	119						
61850-7-42	X2	410	62282-7-2	C4	120	62841-2-10	C4	119						
61850-7-50	X2	411	62301	C3	98	62841-2-11	C4	119						
61850-7-51	X2	411	62351-1	X2	410	62841-2-14	C4	119						
61850-8-1	X2	411	62351-2	X2	410	62841-2-17	C4	119						
61850-8-2	X2	410	62351-4	X2	410	62841-2-21	C4	119						
61850-80-4	X2	410	62351-6	X2	411	62841-3-1	C4	119						
61850-90-1	X2	411	62351-10	X2	411	62841-3-6	C4	119						
61850-90-2	X2	411	62366-1	T5	392	62841-3-9	C4	119						
61850-90-3	X2	412	62443-1-1	X6	429	62841-4-1	C4	119						
61850-90-4	X2	412	62443-2-4	X6	429	62841-4-2	C4	120						
61850-90-6	X2	412	62443-3-1	X6	429	62841-4-4	C4	120						
61850-90-7	X2	412	62443-3-3	X6	429	62841-4-5	C4	120						
61850-90-8	X2	412	62443-4-1	X6	429	62852	C7	155						
61850-90-10	X2	410	62443-4-2	X6	429	62907	X6	428						
61850-90-12	X2	412	62498-1	E3	171	62909-1	C4	123						
61853-3	C6	147	62498-3	E3	171	62909-2	C4	123						
61881-3	E3	171	62548	C5	129	62912	E3	172						
61968-11	X2	412	62552-1	C4	122	62920	C6	147						
61970-301	X2	412	62552-2	C4	122	62928	E3	171						
61970-452	X2	412	62552-3	C4	122	62930	C2	91						
61970-453	X2	412	62586-1	C4	123	62931	C4	120						
61970-456	X2	412	62606	C4	122	62933-1	C4	121						
61970-556	X2	412	62619	C4	122	62933-2-1	C4	121						
61980-1	C4	121	62620	C4	122	62933-3-1	C4	121						
62040-1	C6	147	62623	C6	146	62933-4-1	C4	121						
62040-3	C6	147	62639	C4	123	62933-5-1	C4	121						
62053-21	C4	123	62660-3	C4	123	62933-5-2	C4	121						
62053-22	C4	123	62716	C6	146	62944	X4	415						
62053-23	C4	123	62746-3	X2	412	62949	C4	121						
62053-24	C4	123	62749	C4	123	63056	C4	122						
62056-4-7	X2	412	62752	C4	122	63057	C4	123						
62056-5-3	X2	412	62782	C6	147	63119-1	C4	123						
62056-6-1	X2	412	62790	C7	155	80000-1	Z7	458						
62087-1	C6	146	62821-1	C3	98	80000-2	Z7	458						
62087-2	C6	146	62821-2	C3	98	80000-3	Z7	458						
62087-3	C6	146	62821-3	C3	98	80000-4	Z7	458						
62133-1	C4	121	62835	C4	121	80000-5	Z7	458						
62133-2	C4	121	62840-1	C4	123	80000-7	Z7	458						
62236-3-1	E3	172	62840-2	C4	123	80000-8	Z7	458						
62236-3-2	E3	172	62841-1	C4	119	80000-9	Z7	458						
62280	E3	172	62841-2-1	C4	119									
62282-3-10	C4	120	62841-2-2	C4	119									
62282-3-20	C4	120	62841-2-3	C4	119									
62282-3-20	C4	120	62841-2-4	C4	119									
62282-3-30	C4	120	62841-2-5	C4	119									
62282-4-10	C4	120	62841-2-8	C4	119									

**A Civil Engineering and Architecture**

CNS no.	Category no.	Date of		Title
		Current edition		
<b>General</b>				
483	A1001	2010-05		Reinforced concrete pipes
556	A1002	withdrawn		Dimensions of Rectangular Block Stone
557	A1003	withdrawn		Dimensions of Slate
558	A1004	withdrawn		Dimensions of Gravel
856	A1005	withdrawn		General rules for metal parts of wooden doors and windows
1084	A1006	withdrawn		Concrete Pipes by Hand Process
1085	A1007	withdrawn		Reinforced Concrete Pipes by Vibratile Process
1086	A1008	withdrawn		Dimensions of concrete pipes (→C N S 4 8 3 )
*	2857	A1009	withdrawn	Safety code for construction contractors
	2927	A1010	1991-01	Basis for Coordination of Dimensions of Buildings
	3035	A1011	withdrawn	Design standards for reinforced concrete buildings
	3537	A1012	1991-01	Planning Module for Buildings
	3538	A1013	withdrawn	Preferred horizontal dimensions for industrialized buildings
	3539	A1014	withdrawn	General rules for buildings (Application of tolerances)
	4112	A1015	withdrawn	Building module
	4113	A1016	withdrawn	Glossary of terms used in building module
	4114	A1017	withdrawn	Basic tolerances for building components
	4115	A1018	withdrawn	Principle of modular co-ordination in buildings
	4347	A1019	1991-01	Standard Modular Size of Opening Components for Buildings
	4348	A1020	withdrawn	Standard size of boards for buildings
	4439	A1021	withdrawn	Modular co-ordinating sizes of sanitary units for dwellings
	4440	A1022	withdrawn	Modular co-ordinating sizes of kitchen units for dwellings
	4769	A1023	withdrawn	Modular co-ordinating sizes or air-conditioning units for dwellings
	4770	A1024	withdrawn	Modular co-ordinating sizes of piping units for dwellings
	5085	A1025	1980-01	Aerial Ropeways
	6298	A1026	withdrawn	Crushed stone for road construction
	6299	A1027	withdrawn	Crushed stone for concrete (replaced by CNS 1240)
	6300	A1028	1985-01	Stones
	6541	A1029	withdrawn	Power winches
	8084	A1030	withdrawn	Modular dimension for housing components
	8465	A1031	withdrawn	Classification of air-borne and impact sound insulation for buildings (replaced by CNS 8465-1, CNS 8465-2)
	8465-1	A1031-1	2007-05	Acoustics - Rating of sound insulation in buildings and of building elements - Airborne sound insulation
	8465-2	A1031-2	2007-05	Acoustics - Rating of sound insulation in buildings and of building elements - Impact sound insulation
	9452	A1032	withdrawn	Classification of performance for building elements
*	9453	A1033	withdrawn	Glossary of terms used in building materials for performing uses
	9454	A1034	withdrawn	Glossary of terms used in building materials for finishing surface
	9553	A1035	withdrawn	Shapes and dimensions of steel shank for concrete breakers
	9653	A1036	withdrawn	Glossary of terms used in building material for shape
	9654	A1037	withdrawn	Glossary of terms used in building materials
	10137	A1038	1983-04	Standard practice for execution of spun concrete piles
	10140	A1039	withdrawn	Standard practice for fitting asbestos cement chimney
	10991	A1040	1984-09	Molds for Forming Concrete Test Cylinders Vertically
	11318	A1041	2000-07	Terms Relating to Natural Building Stone
	11567	A1042	2012-03	Architectural drawing
	12642	A1043	2022-04	Playground equipment for public use
	12643	A1044	withdrawn	Method of test for impact attenuation of surfacing materials of playground( replaced by CNS 12643-1 · CNS 12643-2 )
	12643-1	A1044-1	2021-03	Method for determining impact attenuation of surfacing materials within the use zone of playground equipment - Part 1: Laboratory test
	12643-2	A1044-2	2021-03	Method for determining impact attenuation of surfacing materials within the use zone of playground equipment - Part 2: Field test

CNS no.	Category no.	Date of		Title
		Current edition		
12891	A1045	2022-06		General requirements of mix design for concrete
12934	A1046	1991-11		Prefabricated Temporary Houses
12946	A1047	withdrawn		Glossary of terms used in dimensional tolerance for building
12947	A1048	withdrawn		Inspection and control of dimensional tolerances on construction work
12948	A1049	withdrawn		Indication of tolerances on building drawings
12949	A1050	withdrawn		General principles for control of conformity with dimensional tolerance specifications in building construction
12950	A1051	withdrawn		General principles for the verification of dimensional compliance measurements in building
13079	A1052	withdrawn		Types of dimensional and tolerances for building
13080	A1053	withdrawn		Presentation of dimensional accuracy data for building
13081	A1054	withdrawn		Predicting deviations of assemblies and allocation of tolerances for building
13082	A1055	withdrawn		Basic dimension for building component(Selection of target size)
13083	A1056	withdrawn		Basic principles for evaluation of tolerances for building
13129	A1057	withdrawn		Glossary of basic terms used in building joints
13130	A1058	withdrawn		Fundamental principles for design of building joints
13131	A1059	withdrawn		General check-list of joint functions in building
13132	A1060	withdrawn		Classification of accommodation of dimensional deviation in building joints
13133	A1061	2012-05		Glossary of terms used in building sealant for joint
13433	A1062	2007-09		Inspection standard of rolling fire doors
*	13962	A1063	1997-11	General rules for sprayed fire-resistive materials applied to steel structure of buildings
14277	A1064	1998-12		Glossary of terms used in geosynthetics
14531	A1065	2001-06		Methods of test for description and identification of soils
14532	A1066	2001-06		Method of test for penetration and split-barrel sampling of soils
14533	A1067	2001-06		Method of practices for preserving and transporting soils samples
14651	A1068	2008-05		Glossary of terms used for fire protection in building - General terms for phenomena of fire
14652	A1069	2008-05		Glossary of terms used for fire protection in building - Fire test
14704	A1070	2002-12		Precision and bias statements for test methods for construction materials
14891	A1071	2005-02		Terminology relating to concrete and concrete aggregates
14996	A1078	2006-04		Glossary of terms used for fire protection in building - Fire safety
15314	A1079	2010-12		Standard classification for sizes of aggregate for road and bridge construction
15358	A1080	2010-05		Standard specification for graded aggregate material for bases or subbases for highways or airports
15359	A1081	2010-05		Standard practice for classifying hot-mix recycling agents
15547-1	A1082-1	2012-09		Mechanical vibration and shock - Evaluation of human exposure to whole-body vibration - Part 1: General requirements
15547-2	A1082-2	2012-09		Mechanical vibration and shock - Evaluation of human exposure to whole-body vibration - Part 2: Vibration in buildings (1 Hz~80 Hz)
15912	A1083	2016-06		Design, manufacture, installation and testing of climbing nets and netting/mesh used in amusement rides, devices, play areas and attractions
15913	A1084	2016-06		Soft contained play equipment (Amendment 1)
20187	A1085	2018-07		Inflatable play equipment – Safety requirements and test methods
16181-1	A1086-1	2022-11		Playground equipment and surfacing for public use – Part 1 : General safety requirements and test methods
16182	A1087	2022-11		Impact attenuating playground surfacing – Methods of test for determination of impact attenuation

## Building Materials

73	A2001	withdrawn		Bagasse Board
*	381	A2002	1994-03	Quicklime for Structural Purpose



		Date of		
CNS no.	Category no.	Current edition	Title	
*	387	A2003	1993-12	Sand for Buildings
	478	A2004	withdrawn	Steel Bars for Buildings (→CNS 560)
	555	A2005	withdrawn	Structural Stone (General)
*	560	A2006	2018-04	Steel bars for concrete reinforcement
*	857	A2007	1989-06	Steel and Stainless Steel Butt Hinges
*	858	A2008	withdrawn	Hinges, butterfly form
*	859	A2009	withdrawn	Hooks
*	860	A2010	withdrawn	Screws, ring headed
*	861	A2011	withdrawn	Coverplates for door locks
*	862	A2012	withdrawn	Lock cases for doors
*	863	A2013	withdrawn	Lock mouth covers for door locks
*	864	A2014	withdrawn	Door knobs
*	865	A2015	withdrawn	Handles, two-sided operation
*	866	A2016	withdrawn	Handles, one-sided operation
*	867	A2017	withdrawn	Fixed handles for doors and windows
*	868	A2018	withdrawn	Handles, bow form
*	869	A2019	withdrawn	Sliding bolts for doors and windows
*	870	A2020	withdrawn	Fastenings for locks (rotary eye pin)
*	871	A2021	withdrawn	Fastenings for locks (serrated edge form)
*	872	A2022	withdrawn	Fastenings for locks (plain edge form)
*	873	A2023	withdrawn	Spring keys for windows
*	874	A2024	withdrawn	Method of test for metal parts of wooden doors and windows
*	875	A2025	withdrawn	Hanging hooks (plain)
*	876	A2026	withdrawn	Hanging hooks (with flange)
	877	A2027	withdrawn	Hanging Hooks, Rectangular Bended
	926	A2028	withdrawn	Asphalt roofing felts (→CNS 10410)
	1240	A2029	2014-02	Concrete aggregates
	1245	A2030	withdrawn	Reinforced Hollow Concrete Lamp Poles by Centrifugal Process
*	1260	A2031	1982-12	Concrete Base Piles By Centrifugal Process
*	2178	A2032	1986-12	Liquid membrane-forming compounds for curing concrete
	2179	A2033	withdrawn	Bituminous Bagasse Boards for Concrete
*	2220	A2034	withdrawn	Sand-lime bricks
*	2314	A2035	withdrawn	Carbonized cork board
	2466	A2036	2013-08	Aggregates for masonry grout
	2602	A2037	2017-03	Pretensioned spun concrete piles
	2777	A2038	withdrawn	Organic fibers soundproof boards
*	3001	A2039	2013-08	Aggregate for masonry mortar
	3036	A2040	2021-05	Coal fly ash and raw or calcined natural pozzolan for use in concrete
	3037	A2041	2018-10	Mixing rooms, moist cabinets, moist rooms, and water storage tanks used in the testing of hydraulic cements and concretes
	3090	A2042	2015-01	Ready-mixed concrete
*	3091	A2043	1986-12	Air-Entraining Admixtures for Concrete
	3092	A2044	2005-07	Aluminium windows
	3300	A2045	withdrawn	Rerolled steel bar for concrete reinforcement
	3691	A2046	1998-08	Lightweight aggregates for structural concrete
	3763	A2047	2009-07	Waterproof agent of cement for concrete construction
	3802	A2048	2017-06	Fiber cement boards
*	3803	A2049	2021-12	Precast terrazzos
	3905	A2050	2010-01	Concrete pipes for sewerage (Use for jacking method)
	3906	A2051	withdrawn	Steel joint of concrete pipes for sewerage (Use for jacking method) (→CNS 3905)
*	3928	A2052	2022-11	Bored and preassembled locks and latches
	3930	A2053	2009-05	Concrete curbs
	4016	A2054	withdrawn	Sidewalk concrete flags (→CNS 13295)
*	4061	A2055	1986-03	Reinforced Concrete Ditches (U Type)
*	4063	A2056	1986-03	Reinforced Concrete Covers for Ditches (U Type)
*	4065	A2057	1992-10	Concrete and Reinforced Concrete Curb-Gutters (L.Type)
	4166	A2058	2007-09	Components of light-weight rolling door for buildings

		Date of		
CNS no.	Category no.	Current edition	Title	
	4212	A2059	2007-09	Components of rolling door for buildings
*	4349	A2060	1991-02	Locks and Latches for Doors in Building
	4458	A2061	2017-06	Gypsum boards
	4460	A2062	withdrawn	Decorated Gypsum Boards
	4643	A2063	withdrawn	Gypsum Lath Boards
	4683	A2064	2021-12	Coating materials for multi-layer textured finishes of buildings
*	4723	A2065	1985-02	Door Closers
*	4724	A2066	1985-02	Floor Hinges
	4750	A2067	2014-06	Tubular steel scaffolds
*	4802	A2068	1993-06	Reinforced Concrete Flumes
*	4804	A2069	1993-06	Cradle for Reinforced Concrete Flumes
	4965	A2070	withdrawn	Perforated gypsum boards for acoustic use ( replaced by CNS 15967 )
*	4993	A2071	withdrawn	Manhole covers for sewer
*	4995	A2072	1993-06	Reinforced Concrete Manhole Blocks for Sewerage Work
*	5043	A2073	withdrawn	Turnbuckle for building
*	5044	A2074	withdrawn	Body of turnbuckle for building
*	5045	A2075	withdrawn	Bolts of turnbuckle for building
	5083	A2076	2014-06	Steel H piles
	5179	A2077	withdrawn	Asbestos Cement Pressure Pipes
	5644	A2078	2018-04	Tubular steel adjustable shore
*	5646	A2079	withdrawn	Internal vibrators for concrete
*	5648	A2080	withdrawn	Form vibrators for concrete
	6400	A2081	2006-07	P.V.C. windows
*	6533	A2082	withdrawn	Nails for gypsum boards
*	6534	A2083	withdrawn	Nails for sheathing insulation fiberboards
*	6535	A2084	withdrawn	Stainless steel nails
*	6536	A2085	withdrawn	Loose pin butt hinges
*	6537	A2086	withdrawn	Sliding door rails
*	6538	A2087	withdrawn	Door hinges ( with bushings or washers )
*	6539	A2088	withdrawn	Sheaves for sliding doors and windows
*	6871	A2089	withdrawn	Terrazzo blocks
	6985	A2090	2010-09	Polyurethane for building joint sealant
	6986	A2091	2010-09	Polyurethane for building waterproof
	6987	A2092	2010-09	Polyurethane for flooring
*	6989	A2093	1996-08	Rubbles
*	6990	A2094	1985-10	Limestone Filler for Bituminous Paving Mixtures
*	6991	A2095	withdrawn	Slates
*	6992	A2096	withdrawn	Perlite powder
*	6993	A2097	withdrawn	Steel and stainless steel pin bolts
*	6994	A2098	withdrawn	Copper zinc alloy pin bolts
*	6995	A2099	withdrawn	Cupboard bolts
*	6996	A2100	withdrawn	Crowning bolts
*	7184	A2101	1997-05	Steel doors
*	7185	A2102	1996-08	Flag-form Hinges, Buffers and Flush Bolts for Steel Door
*	7331	A2103	1981-05	Rigid Foam Rubber Heat Insulating Material
*	7334	A2104	1981-05	Metal Panels for Concrete Form
	7477	A2105	2005-07	Aluminium doors
*	7611	A2106	withdrawn	Standard sizes for bathtubs
*	7612	A2107	withdrawn	Glass-fiber-reinforced plastic bathtubs
*	7774	A2108	1981-08	Rigid Foam Urethane for Heat Insulating
	7851	A2109	2018-04	Hot rolled steel sheet piles
	7929	A2110	1986-12	Fabric sheets of temporary work for buildings
*	7931	A2111	withdrawn	Wooden panel door
*	7932	A2112	withdrawn	Wooden door frames
*	7933	A2113	1994-05	Reinforced Concrete Sheet Piles
	7934	A2114	2001-08	Steel pipe piles
*	7935	A2115	2017-12	Prestressed concrete sheet piles

		Date of		
CNS no.	Category no.	Current edition	Title	
	7936	A2116	withdrawn	Adjustable non-load-bearing spring hinge for fire protecting doors
*	7937	A2117	1996-08	Single Action Spring Hinges for Doors
	7938	A2118	1996-08	Double Action Spring Hinges for Doors
	8072	A2119	1999-10	Movable partition
	8074	A2120	1995-06	Building Components (Concrete Panels for Roofs)
	8076	A2121	1995-06	Building Components (Concrete Panels for Floors)
	8078	A2122	1995-06	Building Components (Concrete Panels for Walls)
	8082	A2123	2021-12	Coating materials for thin textured finishes of buildings
	8182	A2124	1995-01	Building Components (Steel Panel for Roof)
	8184	A2125	1995-01	Building Components (Steel Panel for Wall)
	8186	A2126	1995-01	Building Components (Steel Panel for Floor)
*	8339	A2127	1987-12	Steel Roof - Decks
	8341	A2128	withdrawn	Vermiculites
	8641	A2129	withdrawn	Roof coating for waterproofing (acrylic rubber type)
	8642	A2130	withdrawn	Roof coating for waterproofing (chloroprene rubber type)
	8643	A2131	withdrawn	Roof coating for waterproofing (acrylic resin type)
	8644	A2132	2014-07	Liquid-applied compounds for waterproofing membrane coating of buildings
	8646	A2133	1995-01	Autoclaved Lightweight Aerated Concrete Panels
	8760	A2134	withdrawn	Steel fences of dwellings
	8901	A2135	1982-06	Oil Based Caulking Compounds for Building
	8903	A2136	2011-11	Sealants for sealing and glazing in buildings
	8905	A2137	2018-05	Hollow concrete blocks for buildings
*	8906	A2138	2021-05	Polyvinyl chloride floorcoverings
	8913	A2139	2013-03	Glassfiber reinforced plastic bathtubs connected with floor
	9057	A2140	withdrawn	Glass wool acoustic materials ( replaced by CNS 15967 )
	9455	A2141	2001-08	Metal lath
	9456	A2142	2017-06	Cement bonded wood-wool and flake boards
	9659	A2143	withdrawn	Rock wool acoustic materials(replaced by CNS 15967)
	9957	A2144	withdrawn	Perforated aluminium panel for acoustic use
	9958	A2145	withdrawn	Gypsum Sheathing Boards
	10039	A2146	withdrawn	Homogeneous bituminized fiber drain and sewer pipe
	10040	A2147	withdrawn	Perforated, Homogeneous bituminized fiber pipe for general drainage
	10042	A2148	withdrawn	Laminated-wall bituminized fiber drain and sewer pipe
	10043	A2149	withdrawn	Perforated, Laminated-wall bituminized fiber pipe for general drainage
	10045	A2150	withdrawn	Fittings for bituminized fiber drain and sewer pipe
	10141	A2151	2010-09	Epoxy injection adhesives for repairing in buildings
	10143	A2152	withdrawn	Synthetic polymer roofing sheets for waterproof
*	10145	A2153	2016-12	Synthetic polymer sheets for waterproof
*	10209	A2154	1988-12	Gaskets for Windows, Doors and Joints of Panel in Buildings
*	10211	A2155	withdrawn	Perforated Asbestos Cement Flat Sheets for Acoustic Use
	10406	A2156	withdrawn	Magnesium carbonate boards
	10408	A2157	withdrawn	Hair felts
	10410	A2158	1998-11	Asphalt roofing felts
	10412	A2159	withdrawn	Sanded asphalt roofing felts (→CNS 10410)
	10414	A2160	1998-11	Woven fabrics asphalt roofings
	10416	A2161	2001-03	Stretchy asphalt roofing felts (Synthetic fiber base)
	10418	A2162	1998-11	Perforated asphalt roofing felts
	10483	A2163	withdrawn	Wood-cement particleboards
	10485	A2164	withdrawn	Sound insulation windows (→CNS 3092、6400)
*	10487	A2165	1988-05	Polyethylene Foam for Heat Insulating
	10637	A2166	2017-06	Rock wool isolating material for floating floors
	10638	A2167	1983-11	Glass Wool Isolating Material for Floating Floors
	10639	A2168	1983-11	Polymer dispersions for cement modifier
	10640	A2169	1983-11	Gypsum plaster
	10641	A2170	withdrawn	Expansive additive for concrete (Replaced by CNS 12283)
*	10678	A2171	1993-04	Aluminum Alloy Floating Floors

		Date of		
CNS no.	Category no.	Current edition	Title	
	10782	A2172	withdrawn	Asbestos Heat Insulating Materials
	10841	A2173	2010-05	Gully grating
	10843	A2174	withdrawn	Autoclaved Asbestos Cement Silicate Boards (→CNS 1 3 7 7 7、1 3 7 7 8)
	10845	A2175	withdrawn	Decorated Autoclaved Asbestos Cement Calcium Silicate Boards (→CNS 1 3 7 7 7、1 3 7 7 8)
*	10867	A2176	withdrawn	Aluminium windows (projected windows)
	10994	A2177	withdrawn	Dressed rockwool boards for acoustic use(replaced by CNS 15967)
	10996	A2178	withdrawn	Inorganic-Fiber Reinforced Gypsum Boards
	11052	A2179	withdrawn	Cement stucco-like coating
	11054	A2180	withdrawn	Sand textured coating (cement type)
	11194	A2181	withdrawn	Finish coatings and wall coverings for decorative use
	11196	A2182	withdrawn	Adhesives for wall paper and wall coverings for decorative finish
	11228	A2183	2004-11	Nonwoven fabric for engineering applications
	11317	A2184	2000-07	Building marble dimension stone(facing)
	11323	A2185	withdrawn	Reinforced resin concrete gutter covers for roadside
	11325	A2186	1999-08	Reinforced concrete cable troughs
	11354	A2187	withdrawn	Screens for aluminium sliding windows
*	11491	A2188	1997-12	Wall paper and wall coverings for decorative finish
	11691	A2189	2008-01	Prestressed concrete non-cylinder pipes
	11693	A2190	withdrawn	Decorated Pulp Cement Boards (→CNS 3 8 0 2)
	11695	A2191	withdrawn	Decorated Asbestos Cement Sheets (→CNS 1 3 7 7 7、1 3 7 7 8)
	11697	A2192	2007-08	Decorated cement shingles for dwelling roofs
	11699	A2193	2017-06	Fiber reinforced cement sidings
	11701	A2194	withdrawn	Rock wool sheathing boards
	11752	A2195	withdrawn	Pulp Cement Perlite Boards (→CNS 3 8 0 2、3 9 0 3)
	11754	A2196	withdrawn	Decorated Pulp Cement Perlite Boards (→CNS 3 8 0 2、3 9 0 3)
	11756	A2197	withdrawn	Asbestos cement boards with plywood lamina
	11758	A2198	withdrawn	Wood-wool cement boards laminated with flexible cement boards (replaced by CNS 9456)
	11760	A2199	withdrawn	Slag Gypsum Cement Boards (→CNS 1 3 7 7 7、1 3 7 7 8)
	11772	A2200	1986-12	Mortar Lining of Steel Pipes for Water Works
	11774	A2201	1986-12	Steel pipes lining with rigid polyvinyl chloride pipe for water works
	11824	A2202	2013-08	Air-cooled blast furnace slag coarse aggregate for concrete
	11827	A2203	1987-02	Blast Furnace Slag for Road Construction
	11890	A2204	2013-08	Granulated blast furnace slag fine aggregate for concrete
*	11982	A2205	withdrawn	Steel and aluminium alloy venetian blinds
*	11984	A2206	2012-05	Steel furrings for wall and ceiling in buildings
	11986	A2207	1991-11	Components of Wire Net Fences
	11988	A2208	1987-06	Paper Cores for Panels
	11990	A2209	1997-02	Joint Treatment Materials for Gypsum Boards
	12053	A2210	1987-09	Steel furring components for gymnasium floors
	12055	A2211	withdrawn	Glass wool thermal insulation for dwelling (replaced by CNS 9960)
	12057	A2212	2017-11	Loose fill thermal insulation materials
	12059	A2213	withdrawn	Rock wool loose fill thermal insulation (replaced by CNS 12057)
	12061	A2214	withdrawn	Cellulosic fiber loose fill thermal insulation (replaced by CNS 12057)
*	12063	A2215	1987-09	Loose Fill Perlite Powder for Insulation
	12064	A2216	withdrawn	Asbestos Cement Perlite Boards (→CNS 1 3 7 7 7、1 3 7 7 8)
	12115	A2217	withdrawn	Thermal insulating windows and doors with sealed insulating glasses (Sliding windows and doors)
	12223	A2218	2013-08	Granulated (Water quenched) blast - furnace slag
	12283	A2219	2017-12	Chemical admixtures for concrete
	12285	A2220	2008-01	Prestressed concrete cylinder pipes

Date of				
CNS no.	Category no.	Current edition	Title	
12326	A2221	2009-05	Concrete blocks for earth retaining and revetment	
12328	A2222	withdrawn	Reinforced concrete L-shape retaining walls	
12330	A2223	1999-08	Precast reinforced components for concrete fences	
12332	A2224	withdrawn	Steel sidings-backing with gypsum boards	
12349	A2225	withdrawn	Dressed hard fibreboard (→CNS 1 0 4 6 9)	
12351	A2226	withdrawn	Sponge gaskets for windows, doors and joints of panel in buildings	
12410	A2227	withdrawn	Steel and aluminium alloy door sets for entrance of dwellings	
12412	A2228	2013-03	Residential sliding storm window panel	
12414	A2229	1988-09	Components for aluminium alloy roof-decks	
12430	A2230	1988-10	Steel windows	
12431	A2231	2013-03	Fittings for sliding windows	
12456	A2232	1988-11	Corrosion Inhibitor for Reinforcing Steel in Concrete	
12549	A2233	2009-10	Ground granulated blast-furnace slag for use in concrete and mortars	
12596	A2234	2011-11	Adhesives for resilient floorcoverings and woody floorings	
12598	A2235	2012-09	Adhesives for anchoring wooden blocks	
12600	A2236	2012-09	Adhesives for wall and ceiling boards	
12603	A2237	withdrawn	Adhesives for ceiling boards (→CNS 1 2 6 0 0)	
12609	A2238	2012-09	Adhesives for preformed cellular plastics thermal insulation board	
*	12611	A2239	2011-11	Organic adhesives for ceramic tiles
*	12694	A2240	1990-04	Chain Door Fasteners
*	12696	A2241	2022-11	Mortise locks and latches
*	12737	A2242	1990-07	Spiral Steel Forms for Hollow Slab
	12739	A2243	2013-08	Spiral steel tubes for prestressed concrete
*	12809	A2244	1995-02	Porcelain Enameled Steel Panels
*	12833	A2245	1991-01	Chemical admixtures for use in producing flowing concrete
*	12872	A2246	1991-06	The Protection of Structures Against Lightning
*	12892	A2247	1991-08	Steel Fibers for Fiber Reinforced Concrete
*	12893	A2248	withdrawn	Fire-retardant woods for buildings
*	12935	A2249	withdrawn	Pressure sensitive aluminum foil abrasive tape for non-slip
*	12963	A2250	2018-05	Decorated concrete blocks
	13044	A2251	2007-06	Panic hardware
	13206	A2252	2002-07	Plastics encapsulated manhole steps
*	13209	A2253	1993-06	Reinforced Concrete Gutters for Roadside
*	13265	A2254	withdrawn	Extruded cement composite hollow panel
	13295	A2255	2023-01	Compressed concrete paving units
*	13480	A2256	1995-01	Autoclaved Lightweight Aerated Concrete Blocks
	13492	A2257	withdrawn	Porcelain enameled tiles
	13512	A2258	2020-09	Masonry cement
	13513	A2259	1995-04	Mortar for unit masonry
	13514	A2260	1995-04	Ready - Mixed Mortar for Unit Masonry
	13515	A2261	1995-04	Standard Sand
	13540	A2262	1995-06	Precast Concrete Cable Duct
	13599	A2263	withdrawn	Plastic covers for bathtubs
	13613	A2264	withdrawn	Porcelain enameled bathtubs
	13615	A2265	withdrawn	Stainless steel bathtubs
	13777	A2266	2017-06	Fiber reinforced cement boards
	13863	A2267	withdrawn	Pigments for integrally colored concrete
*	13943	A2268	2013-03	Unit bathroom
	13961	A2269	2015-01	Mixing water of concrete
	13977	A2270	1997-11	Toilet unit for dwellings
	13978	A2271	1997-11	Lavatory unit for dwellings
	14120	A2272	1998-03	Precast prestressed concrete box culverts
	14164	A2273	2017-06	General fire retardant boards for buildings
	14245	A2274	1998-10	Centrifugal prestressed concrete pole (for communication line)
	14463	A2275	2000-10	White cement lime coating
	14497	A2276	2001-12	Polymer-modified bitumen water proofing sheets
	14562	A2277	2001-07	High density rigid foam urethane for heat insulating

		Date of		
CNS no.	Category no.	Current edition	Title	
14565	A2278	2001-08	Reinforced concrete cylinder pipes	
14602	A2279	withdrawn	Steel slag for road construction	
14688	A2280	2002-10	Materials for shotcrete	
14689	A2281	2002-10	Admixtures of shotcrete	
14701	A2282	2002-12	Standard specification for latex agents for bonding fresh to hardened concrete	
14771	A2283	2015-11	Zinc-coated (Galvanized) steel bars for reinforced concrete	
14813	A2284	2005-10	Polyester resin concrete pipe (Open cut method)	
14814	A2285	2005-10	Polyester resin concrete pipe (Use for jacking method)	
14826	A2286	2004-07	Lightweight aggregates for insulating concrete	
14890	A2287	2017-06	Regenerated fiber cement boards	
14995	A2288	2023-01	Permeable concrete paving blocks	
15245	A2289	2009-07	Polyester resin concrete manhole	
*	15286	A2290	2022-08	Blended hydraulic cements
15305	A2291	2014-07	Materials for soil-aggregate subbase, base, and surface courses	
15307	A2292	2010-12	Hot-mixed, hot-laid bituminous paving mixtures	
15308	A2293	2010-12	Standard specification for coarse aggregate for bituminous paving mixtures	
15309	A2294	2010-12	Fine aggregate for bituminous paving mixtures	
15310	A2295	2010-12	Steel slag aggregates for bituminous paving mixtures	
15360	A2296	2010-05	Standard specification for mineral filler for bituminous paving mixtures	
15431	A2297	2011-03	Precast reinforced concrete manhole for sewerage work	
15464	A2298	2011-05	Concrete pipes for sewerage (Use for long length or turnable jacking method)	
15517	A2299	2011-11	Preblended dry mortar mix	
15519	A2300	2011-11	Adhesives for treating for concrete interface	
15520	A2301	2011-11	Putty for interior	
15536	A2302	2012-01	Spheroidal graphite cast iron covers for sewerage works	
15618	A2303	2013-03	Bathtubs	
15631	A2304	2013-08	Packaged, dry, rapid - hardening cementitious materials for concrete repairs	
15632	A2305	2013-08	Packaged, dry, combined materials for mortar and concrete	
15633	A2306	2013-08	Packaged dry, nonshrink hydraulic - cement grout	
15647	A2307	2013-10	Blended supplementary cementitious materials	
15648	A2308	2013-10	Silica fume used in cementitious mixtures	
15739	A2309	2014-07	Lime for use with Pozzolans	
15740	A2310	2014-07	Fly ash and other Pozzolans for use with lime for soil stabilization	
15967	A2311	2017-06	Sound absorbing materials	
16064	A2312	2018-08	Low modulus adhesives for exterior tile finishing	
16145-1	A2313-1	2020-11	Ceramic tiles - Grouts and adhesives - Part 1: Terms, definitions and specifications for adhesives	
16145-2	A2313-2	2020-11	Ceramic tiles - Grouts and adhesives - Part 2: Test methods for adhesives	
16145-3	A2313-3	2020-11	Ceramic tiles - Grouts and adhesives - Part 3: Terms, definitions and specifications for grouts	
16145-4	A2313-4	2020-11	Ceramic tiles - Grouts and adhesives - Part 4: Test methods for grouts	

## Testing and Inspection

74	A3001	withdrawn	Method of Test for Bagasse Board	
479	A3002	withdrawn	Method of Test for Steel Bar for Concrete Reinforcement (→ C N S 5 6 0 )	
484	A3003	2005-09	Method of test for reinforced concrete pipes	
*	485	A3004	2010-12	Standard practice for sampling aggregate
486	A3005	2001-11	Method of test for sieve analysis of fine and coarse aggregates	
*	487	A3006	2013-10	Method of test for density, relative density (specific gravity), and absorption of fine aggregate
488	A3007	2008-07	Method of test for density, relative density (specific gravity), and	

				Date of
CNS no.	Category no.	Current edition	Title	
				absorption of coarse aggregate
*	489	A3008	1993-12	Method of Test for Surface Moisture in Fine Aggregates
	490	A3009	2009-05	Method of test for resistance to degradation of coarse aggregate (smaller than 37.5 mm) by abrasion and impact in the Los Angeles machine
	491	A3010	2001-12	Method of test for materials finer than 75 $\mu$ m sieve in mineral aggregates by washing
	559-1	A3011	withdrawn	Method of Test for Structural Stone, General
	559-2	A3012	withdrawn	Method of Test for Structural Stone (Appearance)
	559-3	A3013	withdrawn	Method of Test for Structural Stone (Weight Per Unit Volume)
	559-4	A3014	withdrawn	Method of Test for Structural Stone (Specific Gravity)
	559-5	A3015	withdrawn	Method of Test for Structural Stone (Porosity)
	559-6	A3016	withdrawn	Method of Test for Structural Stone (Water Absorption)
	559-7	A3017	withdrawn	Method of Test for Structural Stone (Hardness)
	559-8	A3018	withdrawn	Method of test for Structural Stone (Compressive Strength)
	559-9	A3019	withdrawn	Method of Test for Structural Stone (Flexural Strength)
	559-10	A3020	withdrawn	Method of Test for Structural Stone (Impact Test)
	559-11	A3021	withdrawn	Method of Test for Structural Stone (Abrasion Test)
	559-12	A3022	withdrawn	Method of Test for Structural Stone (Acid Erosion Test)
	559-13	A3023	withdrawn	Method of Test for Structural Stone (Fire Test)
	559-14	A3024	withdrawn	Method of Test for Structural Stone (Coefficient of Thermal Expansion)
	559-15	A3025	withdrawn	Method of Test for Structural Stone (Freezing Test)
	1050	A3026	withdrawn	Method of test for asphalt roofing felts ( $\rightarrow$ CNS 10410)
	1163	A3027	2008-07	Method of test for bulk density and voids in aggregate
	1164	A3028	2015-09	Method of test for organic impurities in fine aggregates
	1165	A3029	withdrawn	Method of Test for Measuring Mortar-making Properties of Fine Aggregates ( $\rightarrow$ CNS 3655)
	1166	A3030	withdrawn	Method of Test for Free Space Between Aggregates ( $\rightarrow$ CNS 1163)
*	1167	A3031	1995-06	Method of Test for Soundness of Aggregate by Use of Sodium Sulfate or magnesium Sulfate
	1168	A3032	1984-04	Method of Test for Resistance of Concrete Specimens to Rapid Freezing and Thawing in Water
	1169	A3033	1984-04	Method of Test for Resistance of Concrete Specimens to Rapid Freezing in Air and Rapid Thawing in Water
	1170	A3034	1984-04	Method of Test for Resistance of Concrete Specimens to Slow Freezing and Thawing in Water
	1171	A3035	1995-06	Method of Test for Clay Lumps and Friable Particles in Aggregates
	1172	A3036	withdrawn	Method of test for coal and lignite in sand ( $\rightarrow$ CNS 1240)
	1173	A3037	withdrawn	Method of Test for Soft Particles in Coarse Aggregates ( $\rightarrow$ CNS 1172)
*	1174	A3038	1986-08	Method of Sampling Fresh Concrete
*	1175	A3039	1986-08	Method of Test for Cement Content of Hardened Portland Cement Concrete
	1176	A3040	2003-11	Method of slump test for concrete
	1177	A3041	withdrawn	Method of Test for Air Content of Newly Mixed Concrete ( $\rightarrow$ CNS 9661、9662)
	1178	A3042	withdrawn	Method of test for hollow concrete blocks ( $\rightarrow$ CNS 8905)
	1230	A3043	2005-02	Method for making and curing concrete test specimens in laboratory
	1231	A3044	2005-02	Method for making and curing concrete test specimens in field
*	1232	A3045	2002-12	Method of test for compressive strength of cylindrical concrete Specimens
*	1233	A3046	1984-04	Method of Test for Flexural Strength of Concrete (Using Simple Beam with Third-point Loading)
*	1234	A3047	1984-04	Method of Test for Flexural Strength of Concrete (Using Simple Beam with Center-point Loading)
	1235	A3048	1998-08	Method of test for bleeding of concrete

CNS no.	Category no.	Date of		Title
		Current edition		
1236	A3049	withdrawn		Method of test for volume change of cement mortar and concrete ( → C N S 1 4 6 0 3 )
1237	A3050	1997-11		Method of test for mixing water of concrete
1238	A3051	2015-05		Method of test for obtaining and testing drilled cored and sawed beams of concrete
*	1239	A3052	1987-12	Method of Test for Fundamental Transverse Longitudinal and Torsional Frequencies of Concrete Specimens
	1241	A3053	2005-05	Method of test for measuring thickness of concrete elements using drilled concrete cores
*	2221	A3054	withdrawn	Method of test for sand-lime bricks
	2313	A3055	2022-10	Method of cement mortar lining for ductile iron pipes
*	2315	A3056	withdrawn	Method of test for carbonized cork board
*	2465	A3057	withdrawn	Method of Test for Wood-wool Cement Boards
	2778	A3058	withdrawn	Method of test for organic fibers soundproof boards
*	3408	A3059	1985-06	Method of Test for Resistance to Abrasion of Large Size Coarse Aggregate by Use of the Los Angeles machine
	3764	A3060	withdrawn	Method of test for waterproof agent of cement for concrete construction ( → C N S 3 7 6 3 )
	3801	A3061	2008-07	Method of test for splitting tensile strength of cylindrical concrete specimens
*	3804	A3062	withdrawn	Method of test for terrazzo tiles
	3903	A3063	withdrawn	Method of test for fiber cement boards ( → C N S 3 8 0 2 )
	3904	A3064	2017-06	Methods of test for bending and impact of building boards
*	3929	A3065	withdrawn	Method of test for cylindrical locks and tubular locks for doors (replaced by CNS 3928)
	3931	A3066	withdrawn	Method of Test for Concrete Curbs
	4017	A3067	withdrawn	Method of test for sidewalk concrete flags ( → C N S 1 3 2 9 5 )
*	4062	A3068	1986-03	Method of test for reinforced concrete ditches (U Type)
*	4064	A3069	1986-03	Method of test for reinforced concrete covers for ditches (U Type)
	4066	A3070	1992-10	Method of Test for Concrete and Reinforced Concrete Curb-Gutters (L.Type)
	4167	A3071	withdrawn	Method of test for light - weight rolling doors for buildings
	4213	A3072	withdrawn	Method of Test for Fire - Proof Shutters for Buildings ( → C N S 4 2 1 2 )
	4459	A3073	withdrawn	Method of test for gypsum boards ( → C N S 4 4 5 8 )
	4461	A3074	withdrawn	Method of Test for Decorated Gypsum Boards
	4644	A3075	withdrawn	Method of Test for Gypsum Lath Boards
	4684	A3076	withdrawn	Method of test for multi-layer coatings for glossy textured finishes
	4725	A3077	1984-08	Testing methods for checking floor-hinges and door-closers
	4726	A3078	1984-08	Performance test of hinges
*	4751	A3079	withdrawn	Method of Test for Tubular Steel Scaffolds
	4803	A3080	1993-06	Method of Test for Reinforced Concrete Flumes
	4966	A3081	withdrawn	Method of test for perforated gypsum boards for acoustic use ( → C N S 4 9 6 5 )
*	4994	A3082	withdrawn	Method of test for manhole covers for sewer
*	4996	A3083	1993-06	Method of Test for Reinforced Concrete Manhole Blocks for Sewerage Work
	5084	A3084	1986-12	Method of test for steel and stainless steel butt hinges
	5086	A3085	2009-05	Practice for air dry preparation of soil samples for particle-size analysis and determination of soil constants
	5087	A3086	withdrawn	Method of test for liquid limit of soils
	5088	A3087	2010-12	Methods of test for liquid limit, plastic limit, and plasticity index of soils
	5089	A3088	1986-12	Method of test for centrifuge moisture equivalent of soils
	5090	A3089	1988-08	Method of test for specific gravity of soils
	5091	A3090	1986-12	Method of laboratory determination of moisture content of soil
	5180	A3091	withdrawn	Method of Test for Asbestos Cement Pressure Pipes
	5263	A3092	1986-12	Method of test for Shrinkage factors of soils



		Date of		
CNS no.	Category no.	Current edition	Title	
5264	A3093	1986-12	Method of test for amount of materials in soils finer than the test sieve 75 $\mu$ m CNS 386	
5265	A3094	2011-05	Method of test for sieve analysis of mineral filler for bituminous paving mixtures	
5645	A3095	withdrawn	Method of test for tubular steel adjustable shore(replaced by CNS 5644)	
*	5647	A3096	withdrawn	Method of test for internal vibrators for concrete
*	5649	A3097	withdrawn	Method of test for form vibrators for concrete
*	5949	A3098	1982-05	Method of test for brass padlocks, (pin tumbler type)
*	5950	A3099	1982-05	Method of test for brass padlocks (blade tumbler type)
	5951	A3100	1982-05	Method of test for magnetic padlocks
	5952	A3101	1982-05	Method of test for casting iron or (zinc alloy)padlocks
*	5953	A3102	1982-05	Method of test for steel sheet padlocks
	5954	A3103	1982-05	Method of test for laminated case padlocks
*	5955	A3104	1982-05	Method of test for combination mechanism padlocks
*	5956	A3105	1982-05	Method of test for motorcycle padlocks
	5957	A3106	withdrawn	Method of test for drainage of equipment units for dwellings
	5958	A3107	withdrawn	Method of test for oscillation of equipment units for dwellings
	5959	A3108	withdrawn	Method of test for strength and durability of equipment unit for dwellings
	5960	A3109	1988-12	Inspection of amusement (coaster)
	6301	A3110	withdrawn	Method of test for heat insulation of equipment units for dwellings
	6302	A3111	withdrawn	Method of test for electric insulation of equipment unit for dwellings
	6303	A3112	withdrawn	Method of test for moisture-proof and water-proof of sanitary Unit for dwellings
*	6532	A3113	withdrawn	Method of test for incombustibility of interior finish material of buildings (replaced by CNS 14705-1)
	6540	A3114	withdrawn	Method of test for sheaves for sliding doors and windows
	6542	A3115	withdrawn	Method of test for power winches
	6731	A3116	1982-05	Method of test for motorcycle padlocks laminate type
*	6872	A3117	withdrawn	Method of test for terrazzo blocks
	6873	A3118	withdrawn	Method for measuring amount of room ventilation (carbondioxide method)
	6874	A3119	withdrawn	Method of measurment of air quantity for ventilation and air conditioning system
	6988	A3120	1986-05	Method of test for polyurethane for building caulking, and flooring
*	7332	A3121	2014-07	Thermal insulation - Determination of steady-state thermal resistance and related properties - Heat flow meter apparatus
*	7333	A3122	2014-07	Thermal insulation - Determination of steady-state thermal resistance and related properties - Guarded hot plate apparatus
	7478	A3123	1983-09	Method of test for transparent synthetic resin coating film of aluminium swinging doors
*	7613	A3124	withdrawn	Methods of test for glass-fiber-reinforced plastic bathtubs
*	7614	A3125	1994-06	Method of Test for Flammability of Thin Materials
	7849	A3126	withdrawn	Earth-moving machinery – Roll-over protective structures for driver – Laboratory tests and performance requirements
	7852	A3127	withdrawn	Method of test for steel sheet piles (→CNS 7 8 5 1)
	7930	A3128	1986-12	Method of test for fabric sheets of temporary works for buildings
	8073	A3129	withdrawn	Method of test for movable partition (→CNS 8 0 7 2)
	8075	A3130	1995-06	Mthethod of Test for Building Components (Concrete Panels for Roofs)
	8077	A3131	1995-06	Method of Test for Building Components (Concrete Panels for Floor)
	8079	A3132	1995-06	Method of Test for Building Components (Concrete Panels for Wall)
	8081	A3133	1981-11	Methods of performance test of panels for building construction
	8083	A3134	withdrawn	Method of test for coatings for thin textured finishes
	8183	A3135	1995-01	Method of Test for Building Components (Steel Panel for Roof)
	8185	A3136	1995-01	Method of Test for Building Components (Steel Panel for Wall)
	8187	A3137	1995-01	Method of Test for Building Components (Steel Panel for Floor)
	8188	A3138	1982-01	Method of test for water retention by concrete curing materials

CNS no.	Category no.	Date of		Title
		Current edition		
8340	A3139	1987-12		Method of test for steel roof - decks
8342	A3140	withdrawn		Method of test for vermiculites
8463	A3141	withdrawn		Method for field measurement of sound pressure level difference (replaced by CNS 15160-4)
8464	A3142	withdrawn		Method for field measurement of floor impact sound level (replaced by CNS 15160-2,CNS 15160-7)
8466	A3143	withdrawn		Method for laboratory measurement of sound transmission loss (replaced by 15160-3)
8555	A3144	1982-03		Method of test for brass padlocks, (pin tumbler type plane)
8645	A3145	withdrawn		Method of test for coating for waterproofing of buildings
8647	A3146	1995-01		Method of Test for Autoclaved Lightweight Aerated Concrete Panels
8755	A3147	1987-08		Method of test for thickness or height of compacted bituminous paving mixture specimens
8756	A3148	1988-08		Method of test for percent air voids in compacted dense and open bituminous paving mixtures
8757	A3149	1987-08		Method of test for bulk specific gravity and density of compacted bituminous mixtures using paraffin- coated specimens
8758	A3150	1987-08		Method of test for theoretical maximum specific gravity of bituminous paving mixtures
8759	A3151	1987-08		Method of test for bulk specific gravity of compacted bituminous mixtures using saturated surface-dry specimens
8761	A3152	withdrawn		Method of test for steel fences of dwellings
8902	A3153	1982-06		Method of test for oil based caulking compounds for building
8904	A3154	2011-11		Testing methods of sealants for sealing and glazing in buildings
*	8907	A3155	2016-03	Methods of test for resilient floorcoverings
	8908	A3156	withdrawn	Method of test for change in properties of plastics building materials resulting from out-door exposure
	8909	A3157	1982-06	Method of test for out - door exposure of plastics building materials
	8910	A3158	2017-09	Methods of exposure to laboratory light sources for polymeric material of buildings
	8911	A3159	1982-06	Method of test for floor slipperiness (Pendulum type)
	8912	A3160	2019-09	Method of abrasion test for building materials and part of building construction (Method of abrasion test for flooring materials method with rotating disk fitted friction and impact)
	8914	A3161	withdrawn	Method of test for glassfiber reinforced plastic bathtubs connected with floor
	8915	A3162	1988-12	Inspection of amusements (ferris wheel)
	8916	A3163	1988-12	Inspection of Amusements (Water Shoot)
	9054	A3164	1982-07	Testing method of vibration and shock for construction machinery gauges
	9056	A3165	2008-11	Acoustics – Measurement of sound absorption in a reverberation room
	9058	A3166	withdrawn	Method of test for glass wool acoustic materials ( replaced by CNS 15967 )
	9208	A3167	2003-11	Method of test for air-entraining admixtures for concrete
	9335	A3168	1988-12	Inspection of Amusement ( Merry Go Round )
	9552	A3169	withdrawn	Method of test for rerolled steel bar for concrete reinforcement
	9656	A3170	withdrawn	Testing of vibrating rollers for its engine performances and physical characteristics
	9657	A3171	withdrawn	Testing of vibrating rollers for its vibrating & driving operations
	9658	A3172	withdrawn	Testing of vibrating rollers for its compaction & noise
	9660	A3173	withdrawn	Method of test for rock wool acoustic materials ( replaced by CNS 15967 )
	9661	A3174	1987-12	Method of test for air content of freshly mixed concrete by the pressure method
	9662	A3175	1987-12	Method of test for air content of freshly mixed concrete by the volumetric method
	9959	A3176	withdrawn	Method of Test for Gypsum Sheathing Boards

	Date of			Title
	CNS no.	Category no.	Current edition	
	9960	A3177	2017-11	Thermal insulation materials for buildings
*	9961	A3178	withdrawn	Method of impact test for boards of buildings ( replaced by CNS 15967 )
	10041	A3179	withdrawn	Method of test for homogeneous bituminized fiber pipe
	10044	A3180	withdrawn	Method of test for laminated-wall bituminized fiber pipe
	10142	A3181	withdrawn	Method of Test for Epoxy injection adhesives for repairing in buildings
	10144	A3182	withdrawn	Method of test for synthetic polymer roofing sheets for waterproof
	10146	A3183	withdrawn	Method of test for synthetic polymer roofing sheets laminated with cloth and others
	10147	A3184	2008-11	Method of fire test for roof surfaces of buildings
*	10148	A3185	1983-04	Method of fire test for wooden structural parts of buildings
	10210	A3186	1988-12	Method of test for gaskets for windows, doors and joints of panel in buildings
	10212	A3187	1983-05	Method of test for drawer lock (pin tumbler type)
	10407	A3188	withdrawn	Method of test for magnesium carbonate boards
	10409	A3189	withdrawn	Method of test for hair felts
	10411	A3190	withdrawn	Method of test for asphalt roofing felts ( → CNS 1 0 4 1 0 )
	10413	A3191	withdrawn	Method of test for sanded asphalt roofing felts ( → CNS 1 0 4 1 0 )
	10415	A3192	withdrawn	Method of test for woven fabrics impregnated with asphalt roofing felts ( → CNS 1 0 4 1 4 )
	10417	A3193	withdrawn	Method of test for stretchy asphalt roofing felts ( → CNS 1 0 4 1 6 )
	10419	A3194	withdrawn	Method of test for perforated asphalt roofing felts ( → CNS 1 0 4 1 8 )
	10484	A3195	withdrawn	Method of test for cement bonded particle boards ( → CNS 1 0 4 8 3 )
	10486	A3196	withdrawn	Method of test for sound insulation windows
	10523	A3197	withdrawn	Method of test for total thermal resistance of windows and doors
*	10679	A3198	withdrawn	Method of plastering of cement mortar for fire protection
	10732	A3199	1984-01	Method of test for rebound number of hardened concrete
	10733	A3200	1984-01	Method of test for penetration persistence of hardened concrete
	10783	A3201	withdrawn	Method of Test for Asbestos Heat Insulating Materials
	10784	A3202	2019-09	Method of abrasion test for building materials and part of building construction (Falling sand method)
	10785	A3203	2019-09	Method of abrasion test for building materials and part of building construction (Abrasive-paper method)
	10842	A3204	2001-06	Method of test for bonding strength of adhesives used for anchoring wooden block
	10844	A3205	withdrawn	Method of Test for Autoclaved Asbestos Cement Silicate Boards ( → CNS 1 3 7 7 7 、 1 3 7 7 8 )
	10846	A3206	withdrawn	Method of Test for Decorated Autoclaved Asbestos Cement Calcium Silicate Boards ( → CNS 1 3 7 7 7 、 1 3 7 7 8 )
	10896	A3207	2009-10	Method for sampling and testing of fly ash or natural pozzolans for use as a mineral admixture in portland-cement concrete
	10979	A3208	1984-08	Method of test for compressive strength of spun concrete
	10989	A3209	2015-09	Methods for reducing samples of aggregate to testing size
	10990	A3210	1998-08	Method of test for lightweight particles in aggregate
	10992	A3211	1984-09	Methods of test for molds for forming concrete test cylinders vertically
	10993	A3212	1984-09	Methods of Testing Preformed Expansion Joint Fillers for Concrete (Nonextruding and Resilient Types)
	10995	A3213	withdrawn	Method of test for dressed rockwool boards for acoustic use ( → CNS 1 0 9 9 4 )
	10997	A3214	withdrawn	Method of Test for Inorganic-Fiber Reinforced Gypsum Boards
	11053	A3215	withdrawn	Method of test for cement stucco-like coating
	11055	A3216	1984-10	Method of test for sand textured coating (cement type)

CNS no.	Category no.	Date of		Title
		Current edition		
11056	A3217	1984-10		Method of measuring the drying shrinkage of mortar containing portland cement
* 11151	A3218	1984-12		Method of test for unit weight, yield, and air content (gravimetric) of concrete
11152	A3219	1984-12		Method of test for comparing concrete on the basis of the bond developed with reinforcing steel
* 11153	A3220	1984-12		Method of test for effect of organic impurities in fine aggregate on strength of mortar
11195	A3221	withdrawn		Method of test for finish coatings and wall coverings for decorative use
11197	A3222	withdrawn		Method of test for adhesives for wall paper and wall coverings for decorative finish
* 11227	A3223	withdrawn		Method of fire resistance test for fire door of buildings
11227-1	A3223-1	2016-11		Fire resistance tests – Part 1: Door and shutter assemblies
11227-2	A3223-2	2018-12		Fire-resistance tests – Part 2: Lift landing door assemblies
11297	A3224	2005-05		Method of capping cylindrical concrete specimens
11298	A3225	1985-07		Method of test for total moisture content of aggregate by drying
11319	A3226	2000-07		Method of test for compressive strength of natural building stone
11320	A3227	2000-07		Method of test for abrasion resistance of stone subjected to foot traffic
11321	A3228	2000-07		Method of test for absorption and bulk specific gravity of natural building stone
11322	A3229	2000-07		Method of test for modulus of rupture of natural building stone
11324	A3230	withdrawn		Method of test for reinforced resin concrete gutter covers for roadside
11326	A3231	withdrawn		Method of test for reinforced concrete cable troughs (→ CNS 1 1 3 2 5)
11492	A3232	withdrawn		Method of test for wall paper and wall coverings for decorative finish
11524	A3233	2006-07		Method of test for windows and doors-general rule
11525	A3234	2003-06		Method of test for dew condensation of windows and doors
11526	A3235	2003-06		Method of test for wind resistance of windows and doors
11527	A3236	2004-01		Method of test for air tightness of windows and doorsets
11528	A3237	2004-01		Method of test for water tightness of windows and doorsets
11692	A3238	withdrawn		Method of test for prestressed concrete non-cylinder pipes (→ CNS 1 1 6 9 1)
11694	A3239	withdrawn		Method of Test for Decorated Pulp Cement Boards (→ CNS 3 8 0 2、3 9 0 3)
11696	A3240	withdrawn		Method of Test for Decorated Asbestos Cement Sheets (→ CNS 1 3 7 7 7、1 3 7 7 8)
11698	A3241	withdrawn		Method of test for asbestos cement shingles for roofing
11700	A3242	withdrawn		Method of test for asbestos cement sidings
11702	A3243	withdrawn		Method of test for rock wool sheathing boards (→ CNS 1 1 7 0 1)
11753	A3244	withdrawn		Method of Test for Pulp Cement Perlite Boards (→ CNS 3 8 0 2、3 9 0 3)
11755	A3245	withdrawn		Method of Test for Decorated Pulp Cement Perlite Boards (→ CNS 3 8 0 2、3 9 0 3)
11757	A3246	withdrawn		Method of test for asbestos cement boards with plywood lamina
11759	A3247	withdrawn		Method of test for flat sandwich boards in asbestos cement sheets-cemented excelsior boards(→CNS 11758)
11761	A3248	withdrawn		Method of Test for Slag Gypsum Cement Boards (→ CNS 1 3 7 7 7、1 3 7 7 8)
11773	A3249	1986-12		Method of Test for Mortar Lining of Steel Pipes for Water Works
11775	A3250	1986-12		Method of test for rigid polyvinyl chloride pipe lining of steel pipes for water works
11776	A3251	2011-05		Method of test for particle-size analysis of soils
11777	A3252	2005-04		Method of test for moisture–density relations of soils (Standard effort method)

CNS no.	Category no.	Date of		Title
		Current edition		
11777-1	A3252-1	2005-04		Method of test for moisture–density relations of soils ( Modified effort method )
* 11778	A3253	1986-12		Method of Test for Direct Shear of Soils
* 11825	A3254	withdrawn		Method of test for air-cooled iron-blast-furnace slag coarse aggregate for concrete
* 11826	A3255	2013-08		Method of chemical analysis for air-cooled iron-blast-furnace slag aggregate
* 11828	A3256	1987-02		Method of test for blast furnace slag for road construction
* 11891	A3257	withdrawn		Method of test for granulated blast furnace slag fine aggregate for concrete
11983	A3258	withdrawn		Method of test for steel and aluminium alloy venetian blinds
11985	A3259	withdrawn		Method of test for steel furrings for wall and ceiling in buildings
11987	A3260	1991-11		Method of test for components of wire net fences
11989	A3261	1987-06		Method of test for paper cores for panel
11991	A3262	1997-02		Method of Test for Joint Treatment Materials for Gypsum Boards
12054	A3263	1987-09		Method of test for steel furring components for gymnasium floors
12056	A3264	withdrawn		Method of test for glass wool thermal insulation for dwelling
12058	A3265	withdrawn		Method of test for glass wool loose fill thermal insulation
12060	A3266	withdrawn		Method of test for rock wool loose fill thermal insulation
12062	A3267	withdrawn		Method of test for cellulosic fiber loose fill thermal insulation
12065	A3268	withdrawn		Method of Test for Asbestos Cement Perlite Boards ( → C N S 1 3 7 7 7 、 1 3 7 7 8 )
* 12066	A3269	withdrawn		Simplified test method for emissivity by infrared radio meter
* 12239	A3270	1988-04		Method of test for one-dimensional consolidation properties of soils
* 12282	A3271	1988-05		Method of test for field vane Shear test in cohesive soil
12284	A3272	withdrawn		Method of test for chemical admixture for concrete ( → C N S 1 2 2 8 3 )
12286	A3273	withdrawn		Method of test for prestressed concrete cylinder pipes ( → C N S 1 2 2 8 5 )
12327	A3274	withdrawn		Method of test for concrete blocks for retaining wall and revetment ( → C N S 1 2 3 2 6 )
12329	A3275	withdrawn		Method of test for reinforced concrete L-shape retaining walls
12331	A3276	withdrawn		Method of test for precast reinforced components for concrete fences ( → C N S 1 2 3 3 0 )
12333	A3277	1988-06		Method of test for steel sidings -backing with gypsum boards
12350	A3278	withdrawn		Method of test for dressed hard fibreboards ( → C N S 1 0 4 6 9 )
12352	A3279	1988-07		Method of test for sponge gaskets for windows, doors and joints of panel in building
12382	A3280	2006-11		Method of test for the California Bearing Ratio (CBR)
12383	A3281	2006-11		Method of test for resistance R-value and expansion pressure of compacted soils
12384	A3282	1988-08		Method of test for unconfined compressive strength of cohesive soil
12385	A3283	1988-08		Method of practice for wet preparation of soil samples for particle size analysis and aetermination of soil constants
12386	A3284	1988-08		Method of practice for thin-walled tube sampling of soils
12387	A3285	1988-08		Method of Test for Classification of Soils for Engineering Purposes
12388	A3286	2011-05		Method of practice for sampling bituminous paving mixtures
12389	A3287	1988-08		Method of test for determining degree of particle coating of bituminous-aggregate mixtures
12390	A3288	1988-08		Method of test for determining degree of pavement compaction of bituminous aggregate mixtures
12391	A3289	1988-08		Method of test for effect of water on bituminous-coated aggregate quick field
12392	A3290	1988-08		Method of test for nonrepetitive static plate load of soils and flexible pavement components, for use in Evaluation and design of airport and highway pavement
12393	A3291	1988-08		Method of test for repetitive static plate load of soils and flexible

CNS no.	Category no.	Date of		Title
		Current edition		
				pavement components, for use in evaluation and design of airport and highway pavement
12394	A3292	1988-08		Method of test for coating and stripping of bituminous-aggregate mixtures
12395	A3293	1988-08		Method of test for resistance to plastic flow of bituminous mixtures using marshall apparatus
12411	A3294	withdrawn		Method of test for steel and aluminum alloy door sets for entrance of dwelling
12413	A3295	withdrawn		Residential sliding storm window panel
12415	A3296	1988-09		Method of test for components for aluminium alloy roof-decks
12432	A3297	withdrawn		Method of test for fittings for sliding windows
12433	A3298	1988-10		Method of test for deep, quasi-static, cone and friction-cone penetration test of soil
12457	A3299	1988-11		Method of test for corrosion inhibitor for reinforcing steel in concrete
12458	A3300	1988-11		Method for determination of glass material content in granulated (water quenched) blast-furnace slag
12459	A3301	2017-12		Methods for determination of granulated (water quenched) blast-furnace slag, silica material, fly ash and limestone content in Portland cement and blended hydraulic cement
12460	A3302	1988-11		Method of test for piles under static axial compressive load
12472	A3303	1988-12		Inspection of Amusements (Airplane Tower)
12513	A3304	withdrawn		Method of fire test for noncombustible structural parts of buildings (→ CNS 12514)
12514	A3305	withdrawn		Method of fire resistance test for structural parts of building
12514-1	A3305-1	2014-11		Fire-resistance tests - Elements of building construction - Part 1: General requirements
12514-4	A3305-4	2014-11		Fire-resistance tests - Elements of building construction - Part 4: Specific requirements for loadbearing vertical separating elements
12514-5	A3305-5	2014-11		Fire-resistance tests - Elements of building construction - Part 5: Specific requirements for loadbearing horizontal separating elements
12514-6	A3305-6	2014-11		Fire-resistance tests - Elements of building construction - Part 6: Specific requirements for beams
12514-7	A3305-7	2014-11		Fire-resistance tests - Elements of building construction - Part 7: Specific requirements for columns
12514-8	A3305-8	2014-11		Fire-resistance tests - Elements of building construction - Part 8: Specific requirements for non-loadbearing vertical separating elements
12514-9	A3305-9	2014-11		Fire-resistance tests - Elements of building construction - Part 9: Specific requirements for non-loadbearing ceiling elements
12514-10	A3305-10	2020-09		Fire-resistance tests - Elements of building construction - Part 10: Specific requirements to determine the contribution of applied fire protection materials to structural steel elements
12514-11	A3305-11	2020-09		Fire-resistance tests - Elements of building construction - Part 11: Specific requirements for the assessment of fire protection to structural steel elements
12514-12	A3305-12	2018-12		Fire-resistance tests – Elements of building construction – Part 12: Specific requirements for separating elements evaluated on less than full scale furnaces
12597	A3306	withdrawn		Method of test for adhesives for floor tiles (→ CNS 12596)
12599	A3307	withdrawn		Method of test for adhesives for anchoring wooden blocks (→ CNS 12598)
12601	A3308	withdrawn		Method of test for adhesives for wall boards (→ CNS 12600)
12602	A3309	2001-03		Method of test for bonding strength of adhesives for wall boards and ceiling boards
12604	A3310	withdrawn		Method of test for adhesives for ceiling boards (→ CNS 12600)
12605	A3311	withdrawn		Method of test for bonding strength of ceiling boards adhesives (→

CNS no.	Category no.	Date of		Title
		Current edition		
				CNS 12602)
12610	A3312	withdrawn		Method of test for adhesives for plastic foam boards (→CNS 12609)
12612	A3313	withdrawn		Method of test for organic adhesives for ceramic wall tile - earthenware (→CNS 12611)
*	12695	A3314	1990-04	Method of test for chain door fasteners
*	12697	A3315	withdrawn	Method of test for lever tumbler mortise locks (replaced by CNS 12696)
*	12738	A3316	1990-07	Method of test for spiral steel forms for hollow slab
	12740	A3317	withdrawn	Method of test for spiral steel tubes for prestressed concrete
*	12810	A3318	1995-02	Method of Test for Porcelain Enameled Steel Panels
	12832	A3319	1991-01	Methods of test for the water content of freshly mixed concrete
*	12894	A3320	withdrawn	Method of test for fire-retardant woods for buildings
*	12936	A3321	withdrawn	Method of test for pressure sensitive aluminum foil abrasive tape for non-slip
*	12964	A3322	withdrawn	Method of test for decorated concrete blocks
	13045	A3323	withdrawn	Test method for panic hardware
	13134	A3324	1993-01	Method of Test for Air Tightness of Building Joints in Laboratory
*	13175	A3325	1993-04	Method of Making Polyester Resin Concrete Specimens
*	13176	A3326	1993-04	Method of Test for Compressive Strength of Polyester Resin Concrete
*	13177	A3327	1993-04	Method of Test for Compressive Strength of Polyester Resin Concrete Using Portions of Beams Broken in Flexure
*	13178	A3328	1993-04	Method of Test for Flexural Strength of Polyester Resin Concrete
*	13179	A3329	1993-04	Method of Test for Splitting Tensile Strength of Polyester Resin Concrete
*	13180	A3330	1993-04	Measuring Methods for Working Life of Polyester Resin Concrete
	13207	A3331	withdrawn	Method of test for plastics encapsulated manhole steps (→CNS 13206)
*	13208	A3332	1993-06	Methods of Test for Sound Absorption of Acoustical Materials by Tube Method
*	13210	A3333	1993-06	Method of Test for Reinforced Concrete Gutters for Roadside
	13266	A3334	withdrawn	Method of test for extruded cement composite hollow panel (→CNS 13265)
	13296	A3335	withdrawn	Method of test for compressed concrete interlocking paving units (→CNS 13295)
	13297	A3336	2013-10	Method of test for abrasion resistance of concrete by sandblasting
	13298	A3337	1993-12	Method of Test for Water Permeability of Geotextiles by Permittivity
	13299	A3338	1993-12	Method of test for trapezoid tearing strength of geotextiles
	13300	A3339	1993-12	Method of Test for Tensile Properties of Geotextiles by the Wide - Width Strip
	13301	A3340	2002-03	Method of inspection for gas pressure welded joint of steel bars for concrete reinforcement
	13302	A3341	1993-12	Method of Ultrasonic Examination for Gas Pressure Welds of Reinforcing Deformed Bars
	13407	A3342	2015-01	Method of test for water-soluble chloride ion content in fine aggregate
	13465	A3343	2014-07	Method of test for the water soluble chloride ion content of fresh concrete
	13481	A3344	1995-01	Method of Test for Autoclaved Lightweight Aerated Concrete Blocks
	13482	A3345	1995-01	Method of test for effects of temperature on stability of geotextiles
	13483	A3346	1995-01	Method of Test for Breaking Load and Elongation of Geotextiles (Grab Method)
	13493	A3347	withdrawn	Method of test for porcelain enameled tiles
	13541	A3348	1995-06	Method of Test for Precast Concrete Cable Duct
	13582	A3349	1995-10	Method of Test for Flame Retardant of Spark Droplets of Welding and Gas Cutting on Fabric Sheets in Construction Works
	13600	A3350	withdrawn	Method of test for plastic covers for bathtubs

CNS no.	Category no.	Date of		Title
		Current edition		
13614	A3351	withdrawn		Method of test for porcelain enameled bathtubs
13616	A3352	withdrawn		Method of test for stainless steel bathtubs
13617	A3353	1995-12		Guide for Petrographic Examination of Aggregates for Concrete
13618	A3354	1995-12		Method of Test for Potential Alkali-Silica Reactivity of Aggregates (Chemical Method)
13619	A3355	1995-12		Method of Test for Potential Alkali Reactivity of Cement-Aggregate Combinations(Mortar-Bar Method)
13620	A3356	1995-12		Method of Test for Potential Alkali Reactivity of Carbonate Rocks for Concrete Aggregates(Rock Cylinder Method)
13778	A3357	withdrawn		Method of test for fiber reinforced cement boards (→ CNS 13777)
13963	A3358	1997-11		Method of test for thickness and density of sprayed fire-resistive materials applied to steel structure
13964	A3359	1997-11		Method of test for chesion and adhesion strength of sprayed fire-resistive materials applied to steel structure
13965	A3360	2011-03		Method of test for compressive strength of sprayed fire-resistive materials applied to steel structure
13966	A3361	1997-11		Method of test for deflection effect on sprayed fire-resistive materials applied to steel structure
13967	A3362	1997-11		Method of test for corrosion of steel by sprayed fire-resistive materials applied to steel structure
13968	A3363	1997-11		Method of test for air erosion of sprayed fire-resistive materials applied to steel structure
13969	A3364	1997-11		Method of test for effect of impact on sprayed fire-resistive materials applied to steel structure
13970	A3365	1997-11		Method of test for content of asbestos in sprayed fire-resistive materials applied to steel structure
13971	A3366	2006-02		Method of test for air permeability performance of building curtain walls and skylights
13972	A3367	2006-02		Method of test for deformation under wind pressure of building curtain walls and skylights
13973	A3368	2006-02		Method of test for water penetration performance of building curtain walls and skylights-by dynamic pressure
13974	A3369	2006-02		Method of test for water penetration performance of building curtain walls and skylights-by static pressure
13975	A3370	1997-11		Method of test for anchors strength concrete and masonry elements
13976	A3371	1997-11		Method of test for flexural strength of dimensional stone
14220	A3372	1998-08		Method of test for setting time of concrete mixtures by penetration resistance
14259	A3373	1998-11		Standard practice for sampling of geosynthetics for testing
14260	A3374	1998-11		Method of test for measuring nominal thickness of geotextiles and geomembranes
14261	A3375	1998-11		Method of test for determining the (in-plan) flow rate per unit width and hydraulic transmissivity of a geosynthetic using a constant head
14262	A3376	1998-11		Method of test for determining apparent opening size of a geotextile
14263	A3377	1998-11		Method of test for index puncture resistance of geotextiles, geomembranes and related products
14278	A3378	1998-12		Method of test for abrasion resistance of geotextiles (Sand paper/sliding block method)
14279	A3379	1998-12		Method of test for measuring mass per unit area of geotextiles
14280	A3380	2006-02		Method of test for physical performances of building curtain walls - General rule
14281	A3381	2006-02		Method of test for evaluating performance of curtain walls and skylights due to static displacements associated with seismic movements and building sway
14514	A3382	withdrawn		Method of test for through-penetration fire stops
14603	A3383	2001-12		Test method for length change of hardened hydraulic - Cement mortar and concrete



CNS no.	Category no.	Date of		Title
		Current edition		
14702	A3384	2002-12		Method of test for acid-soluble chloride ion content in mortar and concrete
14703	A3385	2002-12		Method of test for water-soluble chloride ion content in mortar and concrete
* 14705	A3386	withdrawn		Method of test for heat release rate for building materials - Cone calorimeter method
14705-1	A3386-1	2013-11		Method of test for heat release rate for building materials - Part 1 : Cone calorimeter method
14705-2	A3386-2	2016-10		Method of test for heat release rate for building materials – Part 2 : Smoke production rate(dynamic measurement)
14705-3	A3386-3	2013-11		Method of test for heat release rate for building materials – Part 3: Guidance on measurement
14732	A3387	2005-04		Method of test for correction for coarse particles in the soil compaction
14733	A3388	2005-04		Method of test for density of soil in-place by the sand-cone method
14743	A3389	2003-06		Method of test for ignitability of building materials
14779	A3390	2008-07		Method of test for the particle cylindrical crushing strength of lightweight coarse aggregates
14791	A3391	2003-11		Method of test for degradation of fine aggregate due to attrition
14792	A3392	2003-11		Method of test for abrasion Resistance of Concrete by Standblasting
14793	A3393	2009-10		Method of test for effectiveness of pozzolans or ground blast-furnace slag in preventing excessive expansion of concrete due to the alkali-silica reaction
14794	A3394	2003-11		Method of test for length change of hydraulic-cement mortars exposed to a sulfate solution
14795	A3395	2020-10		Method of test for electrical indication of concrete's ability to resist chloride ion penetration
14803	A3396	withdrawn		Method of fire resistance test for rolling shutter of buildings
14815	A3397	2014-11		Fire-resistance tests - Elements of building construction - Glazed elements
14840	A3398	2004-07		Method of test for passability through obstacles of self-compacting concrete
14841	A3399	2014-08		Method of test for flowability of self-compacting concrete (Funnel method)
14842	A3400	2004-07		Method of test for slump flow of high flowing concrete
14892	A3401	2005-02		Method of test for making, accelerated curing, and testing concrete compression test specimens
14917	A3402	2005-05		Method of preparing and testing specimens from shotcrete test panels
15038	A3403	2010-11		Method of test for evaluating smoke control performance of doors
15045	A3404	2015-09		Fire resistance of door assemblies – Method of determining the efficacy of intumescent seals
15046	A3405	2006-12		Method of test for measuring the longitudinal profile of traveled surfaces with an accelerometer established inertial profiling reference
15048	A3406	2007-01		Method of test for combustibility for building materials - Full scale room test
15160-1	A3407-1	2009-08		Acoustics - Measurement of sound insulation in buildings and of building elements - Requirements for laboratory test facilities with suppressed flanking transmission
15160-2	A3407-2	2009-08		Acoustics - Measurement of sound insulation in buildings and of building elements - Determination, verification and application of precision data
15160-3	A3407-3	2008-01		Acoustics - Measurement of sound insulation in buildings and of building elements - Laboratory measurements of airborne sound insulation of building elements
15160-4	A3407-4	2009-08		Acoustics - Measurement of sound insulation in buildings and of building elements - Field measurements of airborne sound insulation

CNS no.	Category no.	Date of		Title
		Current edition		
15160-5	A3407-5	2009-08		between rooms Acoustics - Measurement of sound insulation in buildings and of building elements - Field measurements of airborne sound insulation of façade elements and façades
15160-6	A3407-6	2008-01		Acoustics - Measurement of sound insulation in buildings and of building elements - Laboratory measurements of impact sound insulation of floors
15160-7	A3407-7	2009-08		Acoustics - Measurement of sound insulation in buildings and of building elements - Field measurements of impact sound insulation of floors
15160-8	A3407-8	2009-05		Acoustics - Measurement of sound insulation in buildings and of building elements - Laboratory measurements of the reduction of transmitted impact noise by floor coverings on a heavyweight
15160-10	A3407-10	2009-08		Acoustics - Measurement of sound insulation in buildings and of building elements - Laboratory measurement of airborne sound insulation of small building elements
15160-11	A3407-11	2009-11		Acoustics - Measurement of sound insulation in buildings and of building elements - Laboratory measurements of the reduction of transmitted impact sound by floor coverings on lightweight reference
15171	A3408	2008-07		Method of test for flat particles, elongated particles, or flat and elongated particles contents in coarse aggregate
15172	A3409	2008-07		Standard practice for use of unbonded caps in determination of compressive strength of hardened concrete cylinders
15206	A3410	withdrawn		Method of test for fire resistance for linear joint seals of buildings
15213-1	A3411-1	2008-09		Method of test for reaction to fire for facades - Intermediate scale test
15213-2	A3411-2	2008-09		Method of test for reaction to fire for facade - Large scale test
15218	A3412	2008-11		Acoustics - Sound absorbers for use in buildings - Rating of sound absorption
15256	A3414	2009-05		Acoustics – Laboratory measurement procedures for ducted silencers and air-terminal units – Insertion loss, flow noise and total pressure loss
15246	A3415	2009-07		Method of test for unsaturated polyester resin for polyester resin concrete product
15287	A3416	2009-10		Method of test for hydraulic activity of ground slag by reaction with alkali
15294	A3417	2009-11		Acoustics - Laboratory measurement of the flanking transmission of airborne and impact sound between adjoining rooms - Application to light elements when the junction has a small influence
15306	A3418	2010-12		Method for testing effect of moisture on asphalt concrete paving mixtures
15311	A3419	2010-12		Method of test for potential expansion of aggregates from hydration reactions
15312	A3420	2010-12		Method of test for determining the percentage of fractured particles in coarse aggregate
15313	A3421	2010-12		Method of determining the adherent coating on coarse aggregates
15315	A3422	2010-12		Standard practice for random sampling of construction materials
15316	A3423	2010-02		Acoustics - Measurement of sound insulation in buildings and of building elements using sound intensity - Laboratory measurements
15346	A3424	2010-05		Standard test method for sand equivalent value of soils and fine aggregate
15371	A3425	2010-07		Certification method of Inertial Profilers for pavement measurement
15462	A3426	2011-05		Method of test for flow consistency of controlled low strength material (CLSM)
15463	A3427	2011-05		Method of test for recovery of asphalt from solution by Abson method
15475	A3428	2011-05		Method of test for mechanical size analysis of extracted aggregate
15476	A3429	2011-05		Method of test for density of semi-solid bituminous materials

CNS no.	Category no.	Date of		Title
		Current edition		
				(Pycnometer method)
15477	A3430	2011-05		Method of test for moisture or volatile distillates in bituminous paving mixtures
15478	A3431	2011-05		Methods of test for quantitative extraction of bitumen from bituminous paving mixtures
15518	A3432	2011-11		Method of test for preblended dry mortar mix
15537	A3433	2012-01		Determination of the indoor thermal comfort environment
15560	A3434	2015-10		Test methods of mechanical splice for steel reinforcing bars
15619	A3435	2013-03		Methods of test for bathtubs
15634	A3436	2013-08		Method of test for change in height at early ages of cylindrical specimens of cementitious mixtures
15635	A3437	2013-08		Method of test for measuring changes in height of cylindrical specimens of hydraulic - cement grout
15649	A3438	2013-10		Method of test for resistance of concrete to chloride ion penetration
15694	A3440	2013-11		Reaction to fire tests for products – Non-combustibility test
15706	A3441	2014-02		Method of test for shell content in fine aggregates
15782	A3442	2015-01		Method of test for measurement of solids in water
15813-1	A3443-1	2015-09		Thermal performance of windows and doors – Determination of thermal transmittance by the hot-box method – Part 1: Complete windows and doors
15813-2	A3443-2	2015-09		Thermal performance of windows and doors – Determination of thermal transmittance by hot-box method – Part 2: Roof windows and other projecting windows
15814-1	A3444-1	2015-09		Fire tests for building elements and components – Fire testing of service installations – Part 1: Penetration seals
15814-2	A3444-2	2015-09		Fire tests for building elements and components – Fire testing of service installations – Part 2: Linear joint (gap) seals
15815	A3445	2015-09		Methods of test for fire resistance of ventilation ducts
15816-1	A3446-1	2015-09		Fire resistance tests – Fire dampers for air distribution systems – Part 1: Test method
15816-2	A3446-2	2015-09		Fire resistance tests – Fire dampers for air distribution systems – Part 2: Classification, criteria and field of application of test results
15816-3	A3446-3	2015-09		Fire resistance tests – Fire dampers for air distribution systems – Part 3: Guidance on the test method
15816-4	A3446-4	2015-09		Fire resistance tests – Fire dampers for air distribution systems – Part 4: Test of thermal release mechanism
15816-5	A3446-5	2015-09		Fire resistance tests – Fire dampers for air distribution systems – Part 5: Intumescent fire dampers
15857-1	A3447-1	2015-12		Thermal performance of windows, doors and shutters - Calculation of thermal transmittance - Part 1: General
15857-2	A3447-2	2015-12		Thermal performance of windows, doors and shutters - Calculation of thermal transmittance - Part 2: Numerical method for frames
15862	A3448	2016-01		Test method for ball drop on Controlled Low Strength Material (CLSM) to determine suitability for load application
15863	A3449	2016-01		Test method for density (unit weight), yield, cement content, and air content (gravimetric) of Controlled Low Strength Material (CLSM)
15864	A3450	2016-01		Standard practice for sampling freshly mixed Controlled Low Strength Material (CLSM)
15865	A3451	2016-01		Test method for preparation and testing of Controlled Low Strength Material (CLSM) test cylinders
15937	A3452	2016-10		Test method for field performance of smoke control system - Hot smoke test
15991	A3453	2017-09		Method of test for iron staining materials in lightweight concrete aggregates
15992	A3454	2017-09		Method of test for flow of hydraulic cement mortar
16022	A3455	2017-11		Acoustics – Determination of dynamic stiffness – Part 1: Materials used under floating floors in dwellings
16071	A3456	2018-10		Fire-resistance tests for non-loadbearing elements – Using

CNS no.	Category no.	Date of		Title
		Current edition		
16072-1	A3457-1	2018-12		intermediate-scale, multi-story test apparatus Fire-resistance tests for non-loadbearing elements – Part 1: Curtain walling – Full configuration (complete assembly)
16072-2	A3457-2	2018-12		Fire-resistance tests for non-loadbearing elements – Part 2: Curtain walling – Part configuration
16099	A3458	2019-08		Standard test method for pull-off adhesion strength of coatings on concrete using portable pull-off adhesion testers
16111	A3459	2019-11		Standard test method for tensile strength of concrete surfaces and the bond strength or tensile strength of concrete repair and overlay materials by direct tension (Pull-off method)
16117	A3460	2019-11		Thermal insulation – Determination of steady-state thermal transmission properties – Calibrated and guarded hot box
16135	A3461	2020-09		Test method for determining tensile properties of geogrids by the single or multi-rib tensile method

## Machines and Equipments for Working

	7101	A4001	withdrawn	Tilting-type concrete mixers
	7102	A4002	withdrawn	Drum-type concrete mixers
	7103	A4003	withdrawn	Forced mixing-type concrete mixers
	7335	A4004	withdrawn	Standard form of specification of diesel piles hammers
	7848	A4005	withdrawn	Seat belt assemblies and anchorage for earth-moving machineries
	7850	A4006	withdrawn	Deflection-limiting volume of earth-moving machinery – Roll-over protective structure for driver
*	8080	A4007	1994-08	Submersible Pumps for Construction
	9055	A4008	withdrawn	Engine tachometers for construction machinery
	9457	A4009	withdrawn	Meter flexible shafts for construction machinery
	9458	A4010	withdrawn	Speedometers for construction machinery
	9459	A4011	withdrawn	Temperature indicators for construction machinery
	9554	A4012	withdrawn	Standard form of specification of earth augers
	9655	A4013	withdrawn	Record Features of Specification of Earth Augers (→ C N S 9 5 5 4 )
	9945	A4014	withdrawn	Earth-moving machinery – Minimum access dimensions
	9946	A4015	withdrawn	Earth-moving machinery – Access systems
	9947	A4016	withdrawn	Earth-moving machinery – Human physical dimensions of operators and minimum operator space envelope
	9948	A4017	withdrawn	Off-highway earth-moving machinery – Minimum performance criteria for brake systems
	9949	A4018	withdrawn	Earth-moving machinery – Guards and shields – Definitions and specifications
	9950	A4019	withdrawn	Earth-moving machinery – Dimensions of fuel filler opening
	9951	A4020	withdrawn	Earth-moving machinery – Maintenance and adjustment tools
	9952	A4021	withdrawn	Earth-moving machinery – Excavator – Operator's controls
	9953	A4022	withdrawn	Earth-moving machinery – Method for locating the center of gravity
	9954	A4023	withdrawn	Earth-moving machinery – Operation and maintenance-guide to the format and content of manuals
	9955	A4024	withdrawn	Earth-moving machinery – Laboratory evaluations of roll-over and falling-object protective structures – Specifications for the deflection-limiting volume
	9956	A4025	withdrawn	Earth-moving machinery – Falling-object protective structures – Laboratory tests for performance requirements
	10138	A4026	withdrawn	Standard form of specification of vibratory pile drivers
	10139	A4027	withdrawn	Standard form of specification of piling equipment
	11192	A4028	withdrawn	Standard form of specification of asphalt finishers
	11193	A4029	withdrawn	Method of test for asphalt finishers

## B Mechanical Engineering

Mechanical  
Engineering

CNS no.	Category no.	Date of Current edition	Title
<b>General</b>			
3	B1001	2009-11	Engineering drawing (General principles of presentation)
3-1	B1001-1	2009-11	Engineering drawing (Dimensioning)
3-2	B1001-2	2005-07	Engineering drawing (Conventional representation of machine elements)
3-3	B1001-3	2010-09	Engineering Drawing (Method of indicating surface texture on drawings)
3-4	B1001-4	1999-12	Engineering drawings - Geometrical tolerancing
3-5	B1001-5	1992-04	Engineering Drawing(Symbols for Riveting)
3-6	B1001-6	2019-09	Engineering drawing (Symbolic representation of welded joints)
3-7	B1001-7	1994-07	Engineering Drawing (Symbols for Steel Construction)
3-8	B1001-8	2004-08	Engineering drawing (Piping)
3-9	B1001-9	1992-04	Engineering drawing(symbols for hydraulic and pneumatic power systems)
3-10	B1001-10	1992-04	Engineering Drawing(Symbols for Electrical and Electronic Drawings)
3-11	B1001-11	2005-07	Engineering drawings (Representation of diagrams)
3-12	B1001-12	1994-12	Engineering Drawing (Geometrical Tolerancing - Maximum Material Principle)
3-13	B1001-13	1994-12	Engineering Drawing (Geometrical Tolerancing - Positional Tolerancing)
3-14	B1001-14	1994-12	Engineering Drawing (Geometrical Tolerancing - Datums and Datum - systems)
3-15	B1001-15	1994-12	Engineering Drawing (Geometrical Tolerancing - Proportions and Dimensions for Symbols)
3-16	B1001-16	1994-12	Engineering Drawing (Geometrical Tolerancing - Principles and Methods of Verification)
3-17	B1001-17	2009-11	Engineering drawing (Edges of undefined shape - Vocabulary and indications)
3-18	B1001-18	2009-11	Engineering drawing (Symbolic presentation and indication of adhesive, fold and pressed joints)
4-1	B1002-1	2012-10	Geometrical product specifications (GPS) - ISO code system for tolerances on linear sizes - Part 1: Basis of tolerances, deviations and fits
4-2	B1002-2	2012-10	Geometrical product specifications (GPS) - ISO code system for tolerances on linear sizes - Part 2: Tables of standard tolerance classes and limit deviations for holes and shafts
68	B1003	1972-06	Conical Taper
71	B1004	1947-03	Transitional Size Between Taper & Shank
75	B1005	1982-03	Knurls
79	B1006	1947-03	Minimum Distance across Hexagonal Bolts
174	B1007	1983-08	Saddle Key and Tolerance (Cold Drawing)
175	B1008	1983-08	Tolerance of Key Slot for Taper and Flat Key
211	B1009	withdrawn	Diameters of drill heads (for drilling bolt holes)
217	B1010	1953-02	Tolerance of Counter - boring Twist Drill and Shell - type Counter - boring Twist Drill, with Morse Taper Shank
224	B1011	withdrawn	Manufacturing tolerance of ground twist drill, counter-boring twist drills and shell-type counter-boring twist drills
237	B1012	1953-02	Drill Angles
300	B1013	1979-01	60 degree Center Holes, Forms R, A, B and C
342	B1014	withdrawn	Tolerance of Screw Threads for Bicycles
518	B1015	1955-09	Tolerance of Whitworth Threads (Fine Fit)
519	B1016	1955-09	Limit of Whitworth Threads (Fine Fit)
520	B1017	1955-09	Tolerance of Whitworth Threads (Medium and Coarse Fits)
521	B1018	1955-09	Limit of Whitworth Threads (Medium and Coarse Fits)
*	529	1978-07	ISO Metric Screw Threads-Tolerances-Principles and Basic Data
*	530	1978-07	ISO Metric Screw Threads-Tolerances-Limits of Sizes for Commercial

		Date of		
CNS no.	Category no.	Current edition	Title	
				Bolt and Nut Threads--Medium Quality
*	531	B1021	1978-07	ISO Metric Screw Threads-Tolerances-Deviations for Constructional Threads
	532	B1022	1996-07	Limits of Size and Tolerances for ISO Metric Coarse Screw Threads (Tolerance Quality:Fine,Tolerances:4H,5H and 4h)(Diameters from 1 to 68 mm and Pitches 0.25 to 6 mm)
	2139	B1023	2019-12	Stationary steel boilers – Construction
	2140	B1024	withdrawn	Boiler code ( performance test code for general instructions ) ( →CNS 2 1 3 9 、 2 1 4 1 )
	2141	B1025	2004-04	calculation method of boiler efficiency for land use
	2142	B1026	withdrawn	Boiler code ( boiler safety equipment code ) ( →CNS 2 1 3 9 、 2 1 4 1 )
	2143	B1027	withdrawn	Boiler code ( boiler material test code ) ( →CNS 2 1 3 9 、 2 1 4 1 )
	2144	B1028	withdrawn	Boiler code ( boiler operation maintance code ) ( →CNS 2 1 3 9 、 2 1 4 1 )
	2468	B1029	1966-01	Notation of Size for Watches and Clocks
	3126	B1030	1978-03	Bolts, Screws and Studs-Nominal Lengths, and Thread Lengths
	3138	B1031	withdrawn	Length of bolt and length of effective thread part for square head bolts
	3540	B1032	withdrawn	Standard Valves for Boiler Water Feeding and Boiler Water
	3594	B1033	1988-10	Bore Diameter of Milling Cutters
	3595	B1034	1988-10	Hand of Cut and Helix for Plain and End Milling Cutters
	3596	B1035	1988-10	Hand of Cut, Helix and Thread Direction for Angle Milling Cutter
	3981	B1036	1999-04	Dimensions of tapping screws thread
	4018	B1037	1987-06	Permissible Deviations in Dimensions without Tolerance Indication (Machining)
	4019	B1038	1987-06	Permissible Deviations in Dimensions without Tolerance Indication (Press Working of Sheet Metal)
	4020	B1039	1987-06	Permissible Deviations in Dimensions Without Tolerance Indication (Shearing of Metal Plates)
	4021	B1040	1987-06	Permissible Deviations in Dimensions without Tolerance Indication (Iron Castings)
	4022	B1041	1987-06	Permissible Deviations in Dimensions without Tolerance Indication (Die Castings)
	4023	B1042	1987-09	Permissible Deviation in Dimensions without Tolerance Indication for Gas Cut Steel Plates
	4024	B1043	1987-06	Permissible Deviations in Dimensions without Tolerance Indication (Steel Castings)
	4025	B1044	1987-06	Permissible Deviations in Dimensions without Tolerance Indication (Aluminium Alloy Castings)
	4026	B1045	1987-06	Permissible Deviations in Dimensions without Tolerance Indication (Metallic Sintered Products)
	4027	B1046	1987-09	General Rules for permissible Deviations in Dimensions Without Tolerance Indication
	4035	B1047	withdrawn	Feeding of machine tool
	4036	B1048	1983-01	R. P. M. of Machine Tool
	4106	B1049	1977-06	Hydraulic Cylinders Internal Diameters and Piston Rod Diameters
	4218	B1050	1978-10	General Terms of Fasteners
	4219	B1051	1978-03	General Terms of Screw-Threads
	4220	B1052	1978-10	Terms of Fasteners for Kinds of Screw-Threads
	4235	B1053	2003-11	Fasteners-Acceptance inspection
	4238	B1054	1981-01	Finishes and Tolerances of Bolts, Screws, Studs, and Nuts
*	4239	B1055	1978-03	Marking of Bolts, Screws, Studs, and Nuts
	4240	B1056	1980-05	Electroplated Coating of Bolts, Screws and Nuts
	4242	B1057	1978-03	Widths Across Flats and Widths Across Corners for Bolts, Screws and Nuts
	4243	B1058	withdrawn	Radius under head for bolt, screw

		Date of		
CNS no.	Category no.	Current edition	Title	
4244	B1059	1987-10	Hexagon Screws and Nuts-Heights of Heads and Thicknesses of Nuts	
4245	B1060	1978-03	Clearance Holes for Metric Bolts (1.6 up to and Including 150 mm Thread Diameter)	
*	4317	B1061	1978-03	Designation of Screw Threads
*	4318	B1062	1978-06	ISO Miniature Screw Threads-Tolerances
*	4319	B1063	1978-06	ISO Miniature Screw Threads-Limits of Size
	4323	B1064	1982-12	Points of Screws
	4324	B1065	1978-03	Rounout and Undercut for metric thread according to CNS 497-CNS 506
	4325	B1066	withdrawn	Runout and undercut for metric trapezoidal screw threads, knuckle screw threads, bultress screw threads and other screw threads of coarse pitches
	4326	B1067	withdrawn	Additional form and performance of screws and nuts
*	4353	B1068	withdrawn	Cross-recesses for screws
	4354	B1069	2005-03	Finishes and tolerances for product grade of screws and nuts
	4370	B1070	1978-05	Round Thread with Clearance and Flat Flank with Pitch 7mm (Limits of Size and Deviation--Tolerances and Permissible Wear of Thread Gauges)
	4372	B1071	1978-05	Round Thread with Clearance and Steep Flank with Pitch 7mm (Limits of Sizes and Deviations--Tolerances and Permissible Wear of Thread Gauges)
*	4408	B1072	withdrawn	Finish and permissible deviation for tapping screws
	4486	B1073	2003-06	Fasteners - Surface discontinuities - Bolts, screws and studs for general requirements
	4530	B1074	1996-11	Terms Relating to the Head of Fasteners
	4531	B1075	1996-11	Terms Relating to the Neck of Fasteners
	4532	B1076	1996-11	Terms Relating to the End (Point) of Fasteners
	4533	B1077	1996-11	Terms of Fasteners for Portions of Fit
	4534	B1078	1997-11	Terms of fasteners for screws,bolts,studs
	4535	B1079	1997-11	Terms of fasteners for nuts
	4536	B1080	1997-11	Terms of fasteners for washers
	4537	B1081	1997-11	Terms of fasteners for pins
	4538	B1082	1997-11	Terms of fasteners for rivets
	4539	B1083	1997-11	Terms relating to the manufacture of fasteners
	4540	B1084	1997-11	Terms relating to the machinery for manufacturing fasteners
	4541	B1085	1997-11	Terms relating to the working tools for manufacturing fasteners
	4542	B1086	1997-11	Terms relating to the gages for fasteners
	4543	B1087	1997-11	Terms of fasteners for appearance
	4544	B1088	1996-07	Limits of Sizes and Tolerances for ISO Metric Coarse Screw Threads (Tolerance Quality:Medium,Tolerances: 5H, 6H and 6h ,6g) (Diameters form 1 to 68mm and Pitches 0.25 to 6mm)
	4545	B1089	1996-07	Limits of Sizes and Tolerances for ISO Metric Coarse Screw Threads (Tolerance Quality:Coarse,Tolerances:7H and 8g)(Diameters form 3 to 68mm and Pitches 0.5 to 6mm)
	4546	B1090	1996-07	Limits of Sizes and Tolerances for ISO Metric Fine Screw Threads (Tolerance Quality:Fine,Tolerances:4H, 5H and 4h)(Diameters form 1 to 300mm and Pitches 0.2 to 6mm)
	4547	B1091	1996-07	Limits of Sizes and Tolerances for ISO Metric Fine Screw Threads (Tolerance Quality:Medium,Tolerances:6H and 6h, 6g)(Diameters form 2.5 to 300mm and Pitches 0.35 to 6mm)
	4548	B1092	1996-07	Limits of Sizes and Tolerances for ISO Metric Fine Screw Threads (Tolerance Quality:Coarse,Tolerances:7H and 8g)(Diameters form 4 to 300mm and Pitches 0.5 to 6mm)
*	4575	B1093	withdrawn	Finishes and tolerance of bolts, screws and nuts primarily of steels exhibiting toughness at subzero temperature and high temperature steels
	4576	B1094	withdrawn	Bolted connections with reduced body; (Survey and Installation)

		Date of		
CNS no.	Category no.	Current edition	Title	
	4577	B1095	withdrawn	Bolted connections with reduced body ( studies relating to the calculation of bolted connections)
*	4585	B1096	1998-02	Assembly tools for screws and nuts-Nomenclature
*	4670	B1097	1994-05	Specified Items for Machine Tools - General Rules
*	4670-1	B1098	1994-05	Specified Items for Machine Tools - Engine Lathes
*	4670-2	B1099	1994-05	Specified Items for Machine Tools - Bench Lathes
*	4670-3	B1100	1994-05	Specified Items for Machine Tools - Turret Lathes
*	4670-4	B1101	1994-05	Specified Items for Machine Tools - Single Spindle Automatic Lathes (Stationary Head Type)
	4670-5	B1102	1994-05	Specified Items for Machine Tools - Single Spindle Automatic Lathes (Sliding Head Type)
	4670-6	B1103	1994-05	Specified Items for Machine Tools - Multiple Spindle Automatic Lathes
	4670-7	B1104	1994-05	Specified Items for Machine Tools - Vertical Boring and Turning Mills
*	4670-8	B1105	1994-05	Specified Items for Machine Tools - Upright Drilling Machines
*	4670-9	B1106	1994-05	Specified Items for Machine Tools - Radial Drilling Machines
	4670-10	B1107	1994-05	Specified Items for Machine Tools - Horizontal Boring Machines (Table Type)
	4670-11	B1108	1994-05	Specified Items for Machine Tools - Horizontal Boring Machines (Floor Type)
	4670-12	B1109	1994-05	Specified Items for Machine Tools - Vertical Boring Machines
	4670-13	B1110	1994-05	Specified Items for Machine Tools - Jig Borers (Double Housing Type)
	4670-14	B1111	1994-05	Specified Items for Machine Tools - Jig Borers (Single Column Type)
*	4670-15	B1112	1994-11	Specified Items for Machine Tools - Knee Type Milling Machines
*	4670-16	B1113	1994-11	Specified Items for Machine Tools - Bed Type Milling Machines
	4670-17	B1114	1994-11	Specified Items for Machine Tools - Planer Type Milling Machines
	4670-18	B1115	1994-11	Specified Items for Machine Tools - Planers
*	4670-19	B1116	1994-11	Specified Items for Machine Tools - Shapers
	4670-20	B1117	1994-11	Specified Items for Machine Tools - Gear Shapers (Pinion Cutter Type)
	4670-21	B1118	1994-11	Specified Items for Machine Tools - Gear Shapers (Rack Cutter Type)
	4670-22	B1119	1994-11	Specified Items for Machine Tools - Hobbing Machines
*	4670-23	B1120	1994-11	Specified Items for Machine Tools - Cylindrical Grinders and Universal Grinders
	4670-24	B1121	1994-11	Specified Items for Machine Tools - Internal Grinders
*	4670-25	B1122	1994-11	Specified Items for Machine Tools - Surface Grinders (Reciprocating Table Type)
*	4670-26	B1123	1994-11	Specified Items for Machine Tools - Surface Grinders (Rotary Table Type)
*	4670-27	B1124	1994-11	Specified Items for Machine Tools - Centerless Grinders
*	4670-28	B1125	1994-11	Specified Items for Machine Tools - Universal Tool Grinders
	4685	B1126	withdrawn	60° Center holes for big workpieces, (Forms A,B and C)
	4686	B1127	withdrawn	Run out and under cut for whit worth-pipe thread according to CNS___
	4805	B1128	withdrawn	Countersinks for countersunk head screws
	4806	B1129	withdrawn	Countersinks for countersunk head screws for fine mechanics
	4807	B1130	withdrawn	Counterbores for hexagon socket head screws and slotted cheese head screws
	4808	B1131	withdrawn	Counterbores for hexagon screws and nuts
	5007	B1132	1979-11	Rotating Tools with Parallel Shanks-Diameters of Shanks and Sizes Driving Squares
	5060	B1133	withdrawn	Undercuts
	5061	B1134	withdrawn	T-slots: for machine tools
*	5092	B1135	1980-01	Symbols for Indication Appearing on Machine Tools
*	5093	B1136	1980-01	Symbols for Indication appearing on machine tools
*	5094	B1137	1980-01	Symbols for Indication Appearing on Machine Tools



Date of				
CNS no.	Category no.	Current edition	Title	
*	5095	B1138	1980-01	Symbols for Indication Appearing on Machine Tools
	5096	B1139	2000-01	Symbols for indication appearing on machine tools
	5182	B1140	2000-05	Numerical control of machine - Symbols
	5269	B1141	withdrawn	Glossary of Basic Terms for Hydraulics
	5269-1	B1142	withdrawn	Glossary of Hydraulic Pump Terms
	5269-2	B1143	withdrawn	Glossary of Hydraulic Motor and Cylinder Terms
	5269-3	B1144	withdrawn	Glossary of Hydraulic Control Valve Terms
	5269-4	B1145	withdrawn	Glossary of Accessory Part Terms for Hydraulics
*	5270	B1146	1980-03	Basic Graphical Symbols for Fluid Power Diagrams
	5270-1	B1147	1980-03	Graphical Symbols for Fluid Power Diagrams-Line and Connection
	5270-2	B1148	1980-03	Graphical Symbols for Fluid Power Diagrams-Pump and Motor
	5270-3	B1149	1980-03	Graphical Symbols for Fluid Power Diagrams-Cylinder
	5270-4	B1150	1980-03	Graphical Symbols for Fluid Power Diagrams-Control Method
	5270-5	B1151	1980-03	Graphical Symbols for Fluid Power Diagrams-Pressure Control Valve
	5270-6	B1152	1980-03	Graphical Symbols for Fluid Power Diagrams-Flow Control Valve
	5270-7	B1153	1980-03	Graphical Symbols for Fluid Power Diagrams-Directional Control Valve
	5270-8	B1154	1980-03	Graphical Symbols for Fluid Power Diagrams-Check Valve
	5270-9	B1155	1980-03	Graphical Symbols for Fluid Power Diagrams-Accessory Part
	5271	B1156	1980-03	Operating Elements for Clamping Devices Survey
	5286	B1157	2005-03	Industrial automation systems and integration - Numerical control of machines - Coordinate system and motion nomenclature
	5391	B1158	1985-01	Glossary of Terms for Machine Tools
	5401	B1159	1980-04	Washers; Technical Specifications
	5402	B1160	1980-04	Non-Sparking and Explosion Gun Tools; Triangle Head Bolt Connexion Survey; Drawing; Base Dimension, Application
	5506	B1161	withdrawn	Ball bearings, conrad type,for electrical machines; tolerances and radial clearance
	5510	B1162	2008-06	Glossary of terms relating to cranes - Part 1 : Kinds of cranes
	5675	B1163	2008-06	Glossary of terms relating to cranes - Part 2 : Ability of cranes
	5676	B1164	2008-06	Glossary of terms relating to cranes - Part 3 : Motion of cranes
	5677	B1165	2008-06	Glossary of terms relating to cranes - Part 4 : Mechanical parts of cranes
	5678	B1166	2008-06	Glossary of terms relating to cranes - Part 5 : Structure of cranes
	5682	B1167	withdrawn	Symbols of rolling bearings
	5683	B1168	withdrawn	Load carrying capacity of rolling bearings, definitions, load rating, methods of load and rating life
	5694	B1169	withdrawn	Rolling bearings; component parts and spherical plain bearing summary of standars
	5695	B1170	withdrawn	Roller bearings for electric traction; preservation, incorporation, lubrication, demountion, cleaning and reapplication
	5696	B1171	withdrawn	Roller bearings for electric traction, symbols and terms
	5697	B1172	withdrawn	Roller bearings for electric traction; radial and axial clearance
	5698	B1173	withdrawn	Roller bearings for electric traction, tolerances
	5700	B1174	1980-07	Glossary of Terms for Rolling Bearings
	5717	B1175	2001-03	Vocabulary of gear terms - Definitions related to geometry
	5718	B1176	2001-03	Vocabulary of gear terms - Definitions related to worm gear geometry
	5719	B1177	withdrawn	Glossary of gears - Geometrical definitions (bevel and hypoid gears and gear pairs) (→CNS 5 7 1 7)
	5720	B1178	withdrawn	Glossary of gears -Geometrical definitions (worm gear pairs) (→CNS 5 7 1 8)
	5721	B1179	withdrawn	Glossary of gear terms (→CNS 5 7 1 7、5 7 1 8)
	5722	B1180	withdrawn	Definitions and denominations for glossary of gear terms - General terms (→CNS 5 7 1 7)
	5723	B1181	withdrawn	Definitions and denominations for glossary of gear terms-General terms on gear pairs (→CNS 5 7 1 7)
	5724	B1182	withdrawn	Definitions and denominations for glossary of gear terms - Kinematics (→CNS 5 7 1 7)

CNS no.	Category no.	Date of	
		Current edition	Title
5725	B1183	withdrawn	Definitions and denominations for glossary of gear terms-Types of gears and gear pairs (→CNS 5 7 1 7)
5726	B1184	withdrawn	Definitions and denominations for glossary of gear terms-Crest, root surface, tooth flanks, tooth Profiles, Backlash, and Clearance (→CNS 5 7 1 7)
5727	B1185	withdrawn	Definitions and denominations for glossary of gear terms-Cylindrical gear teeth (→CNS 5 7 1 7)
5728	B1186	withdrawn	Definitions and denominations for glossary of gear terms - Cylindrical gear pairs (→CNS 5 7 1 7)
5729	B1187	withdrawn	Definitions and denominations for glossary of gear terms-Deviations, tolerances and change factor for Cylindrical Gear Teeth (→CNS 5 7 1 7)
5730	B1188	withdrawn	Definitions and denominations for glossary of gear terms - Errors for cylindrical gear teeth (→CNS 5 7 1 7)
5731	B1189	withdrawn	Definitions and denominations for glossary of gear terms-Errors of the axial positions and backlash for a Cylindrical Gear Pair (→CNS 5 7 1 7)
5732	B1190	withdrawn	Definitions and denominations for glossary of gear terms-Reference cone of bevel gears (→CNS 5 7 1 7)
5733	B1191	withdrawn	Definitions and denominations for glossary of gear terms - the Basic crown gears (→CNS 5 7 1 7)
5734	B1192	withdrawn	Definitions and denominations for glossary of gear terms-Special and additional definition for bevel gears (→CNS 5 7 1 7)
5735	B1193	withdrawn	Definitions and denominations for glossary of gear terms-Errors and allowances (→CNS 5 7 1 7)
5736	B1194	withdrawn	Definitions and denominations for glossary of gear terms - for Cylindrical worm gears (→CNS 5 7 1 8)
5737	B1195	withdrawn	Definitions and denominations for glossary of gear terms - Cylindrical worm (→CNS 5 7 1 8)
5738	B1196	withdrawn	Definitions and denominations for glossary of gear terms - Wormwheel (→CNS 5 7 1 8)
5739	B1197	withdrawn	Definitions and denominations for glossary of gear terms-Variou errors deviations and clearances of Worm and Wormwheel (→CNS 5 7 1 8)
5978	B1198	1984-08	Symbols, Denominations and Units for Gears Calculation
5979	B1199	withdrawn	General theory of calculation for gears
5980	B1200	withdrawn	Load capacity for gears
5981	B1201	withdrawn	The basic formulas for gears calculation
5982	B1202	withdrawn	Calculation of load capacity on tooth root for cylindrical gears
5983	B1203	withdrawn	Calculation of load capacity on tooth flank for cylindrical gears
5984	B1204	withdrawn	Calculation of load capacity on tooth root for bevel gears
5985	B1205	withdrawn	Calculation of load capacity on tooth flank for bevel gears
5986	B1206	withdrawn	Calculation of load capacity for cylindrical and bevel gears - Tooth form factor $Y_F$
6307	B1207	withdrawn	Roller Bearings for electric traction, permissible axial displacement
6308	B1208	withdrawn	Roller bearings for electric traction, chamfers, fillets and shoulder heights
6309	B1209	withdrawn	Roller bearings for electric traction, identification, order declarations and drawing registrations
6310	B1210	withdrawn	Roller bearings for electric traction, selection of fit for shaft and housings
6311	B1211	withdrawn	Roller bearings for electric traction, shaft and housing deviations
6419	B1212	withdrawn	Pinion-type cutters for cylindrical gear; tolerances
6422	B1213	withdrawn	Remote control gear with transmission tubing for manual operation; fork links with square hole for setting up connections
6423	B1214	withdrawn	Remote control with transmission tubing for manual operation; nominal size transmission tubes, squares, survey of component parts

CNS no.	Category no.	Date of		Title
		Current edition		
6424	B1215	withdrawn		Remote control gear for manual operation installation principles
6426	B1216	2006-02		Specification for the design of cranes structures
6733	B1217	1980-12		Reciprocating Internal Combustion Engines- Hand Operated Control Devices- Standard Direction of Motion
6740	B1218	withdrawn		Spindle noses for drilling machines
6743	B1219	1995-12		Glossary of Terms Relating to Parts of Machine Tools-General
6744	B1220	1995-12		Glossary of Terms Relating to Parts of Lathes
6745	B1221	1995-12		Glossary of Terms Relating to Parts of Drilling Machines
6746	B1222	1995-12		Glossary of Terms Relating to Parts of Boring Machines
6747	B1223	1995-12		Glossary of Terms Relating to Parts of Milling Machines
6748	B1224	1995-12		Glossary of Terms Relating to Parts of Planing Machines
6749	B1225	1995-12		Glossary of Terms Relating to Parts of Shaping Machines
6750	B1226	1995-12		Glossary of Terms Relating to Parts of Slotting Machines
6751	B1227	1996-07		Glossary of Terms Relating to Parts of Broaching Machines
6752	B1228	1996-07		Glossary of Terms Relating to Parts of Metal Sawing Machines and Cut off Machines
6753	B1229	1996-07		Glossary of Terms Relating to Parts of Grinding Machines
6754	B1230	1996-07		Glossary of Terms Relating to Parts of Surface-finishing Machines
6755	B1231	1996-07		Glossary of Terms Relating to Parts of Gear Cutting Machines
6756	B1232	1996-07		Glossary of Terms Relating to Parts of Gear Grinding Machines
6757	B1233	1996-07		Glossary of Terms Relating to Parts of Gear Finishing Machines
6758	B1234	1996-07		Glossary of Terms Relating to Units of Special Purpose Machines
6759	B1235	withdrawn		Glossary of terms relating to parts of numerically controlled machine tools
6760	B1236	1996-07		Glossary of Terms Relating to Operation of Machine Tools
6997	B1237	withdrawn		Coding of Preparatory Functions G and Miscellaneous Functions M for Numerical Control of Machines (→ CNS 1 4 7 2 6)
6998	B1238	2005-07		Industrial automation systems - Numerical control of machines - NC processor output - File structure and language format
7120	B1239	withdrawn		Tolerances for pipe fange
7186	B1240	withdrawn		Addendum modification of cylindrical gears
7187	B1241	withdrawn		Accuracy of cylindrical gear teeth; general bases
7190	B1242	withdrawn		Cylindrical shaft ends; dimensions, transmissible torques
7191	B1243	2006-02		Reduction gears of cranes
7203	B1244	1996-11		Terms Relating to the Kinds of Spring
7204	B1245	1996-11		Terms Relating to the Constructions of Spring
7205	B1246	1996-11		Terms Relating to the Designs of Spring
7206	B1247	1996-11		Terms Relating to the Manufacturing and Testings of Spring
7207	B1248	1996-11		Terms Relating to the Parts of Spring
7572	B1249	withdrawn		Basic rack tooth profile of gear tools for cylindrical gears with involute teeth for fine mechanics
7573	B1250	withdrawn		Centre distances and working transverse pressures angles of spur gears in the 0.5 system
7574	B1251	withdrawn		Root diameter of spur gears in the 0.5 system
7575	B1252	withdrawn		Tip Diameter of Spur Gears in the 0.5 System
7576	B1253	withdrawn		Base tangent length of spur gears in the 0.5 system
7577	B1254	withdrawn		Dimension over pins of spur gears in the 0.5 system
7578	B1255	withdrawn		Normal chordal tooth thickness and chordal height of spur gears in the 0.5 system
7579	B1256	withdrawn		Contact ratio of spur gears in the 0.5 system
7580	B1257	withdrawn		Sliding speed at tooth tip of spur gears in the 0.5 system
7590	B1258	withdrawn		Helical springs made round wire; information to be given in order to obtain the tension springs required
7591	B1259	withdrawn		Helical springs made of round wire and rod; information to be given in order to obtain the compression springs required
7592	B1260	withdrawn		Helical compression springs, made of flat barsteel calculation
7615	B1261	withdrawn		Glossary of terms used in sewing machine for home use (Name of head parts)

CNS no.	Category no.	Date of		Title
		Current edition		
7616	B1262	withdrawn		Glossary of terms used in household sewing machines (Name of stitches, seams and stitchings)
7617	B1263	withdrawn		Classification and identification signs of household sewing machine heads
7618	B1264	withdrawn		Identification signs and terms on classification of sewing machine heads for industrial use
7775	B1265	1999-08		Glossary of terms for numerically controlled machine tools
7776	B1266	withdrawn		Punched Tape Variable Block Format for Contouring and Contouring/Positioning Numerically Controlled Machine Tools (→ C N S 1 4 7 2 6 )
7854	B1267	withdrawn		Disc spring; calculation
7856	B1268	withdrawn		Calculation and design for helical tension springs made of round wire or round bar
7857	B1269	withdrawn		Calculation and design for helical compression springs made of circular round wire or bar
7858	B1270	withdrawn		Made of round wire or rod calculation and design for helical torsional springs
7859	B1271	withdrawn		Design of leaf spring
7868	B1272	2011-08		Geometrical Product Specifications (GPS) – Surface texture: Profile method – Terms, definitions and surface texture parameters
7939	B1273	withdrawn		Round steel chains ( general rules )
7943	B1274	withdrawn		Expression of the specification for dust collectors
7946	B1275	withdrawn		Tolerances for the mounting of rolling bearings, general guidelines
7947	B1276	withdrawn		Rolling bearings general plans of boundary dimensions
8103	B1277	withdrawn		Normalizing and annealing of iron and steel
8343	B1278	2019-11		Industrial automation systems and integration – Numerical control of machines – Coordinate system and motion nomenclature
8350	B1279	1984-01		Punched Tape Variable Block Format for Positioning and Straight - Cut Numerically Controlled Machine Tools
8467	B1280	withdrawn		Friction in bearings: types; physical quantities
8468	B1281	withdrawn		Running test on radial plain bearings, general
8475	B1282	withdrawn		Nominal dimension of wood planers
8476	B1283	withdrawn		Lathe tool posts (Overall internal height)
8556	B1284	1982-03		Plain Bearings; the Tribological Behaviour of Metallic Antifriction Materials Significant Terms
8649	B1285	withdrawn		Nominal dimension of veneer clippers
9068	B1286	withdrawn		Plain bearings, fits
9222	B1287	withdrawn		Fitting dimensions for rolling bearing
9223	B1288	withdrawn		Cranes; covers for ball and roller bearings; connecting dimensions
9336	B1289	withdrawn		Felt ring groove; for rolling bearing housing
9572	B1290	1985-05		Tolerances of Rolling Bearings-Radial Bearings
9573	B1291	withdrawn		Tolerances of rolling bearings - Thrust ball bearings
9574	B1292	1985-05		Tolerances of Ball and Roller Bearings - Radial Clearance
9575	B1293	withdrawn		Load carrying capacity of rolling bearings (Foundation of theory)
9666	B1294	2004-01		Fasteners - Surface discontinuities - Nuts
9682	B1295	withdrawn		Operational command and data format for numerically controlled machines
9683	B1296	withdrawn		Interchangeable perforated tape variable block format for positioning, contouring and contouring/positioning numerically controlled machines
9965	B1297	1989-12		Dimensions Relating to Molds for Plastics Injection Molding Machines
9966	B1298	withdrawn		Dimensions relating to molds for plastics compression molding machines and plastics transfer molding machines
10051	B1299	withdrawn		Nominal dimension of circular saw machines
10052	B1300	2005-03		Nominal dimensions of veneer lathes
10053	B1301	withdrawn		Nominal dimension of veneer knife grinders
10054	B1302	withdrawn		Nominal dimension of scraper knife grinders

CNS no.	Category no.	Date of		Title
		Current edition		
10055	B1303	withdrawn		Nominal dimension of drum sanders
10056	B1304	withdrawn		Nominal dimension of wide belt sanders
10057	B1305	withdrawn		Nominal dimension of roller dryers
10058	B1306	withdrawn		Nominal dimension of hot presses
10059	B1307	1995-05		Nominal Dimensions of Glue Spreaders
10060	B1308	withdrawn		Nominal dimension of double sizers
10061	B1309	1995-10		Nominal Dimensions of Scrapers
10062	B1310	1989-12		Nominal Dimension of Veneer Jointers
10063	B1311	1995-05		Nominal Dimensions of Slicers
10231	B1312	1993-07		Boiler Code (Standard of Boiler Feed Water and Boiler Water)
10234	B1313	1983-05		7/24 Taper for Spindle Noses and Tool Shanks
10235	B1314	withdrawn		Involute splines (definitions)
10306	B1315	withdrawn		Steel die forgings - directive items for forging drawings
10307	B1316	withdrawn		Steel die forgings - Minimum wall thickness for different cross-sectional forms
10308	B1317	withdrawn		Steel die forgings - Machining allowances, radius and drafts
10309	B1318	withdrawn		Steel die forgings - Tolerances and permissible variations
10310	B1319	withdrawn		Steel die forgings - Forging in horizontal upsetter
10312	B1320	1983-06		Standard of Installation for Vending Machines
10488	B1321	withdrawn		Steel die forgings technical conditions of delivery
10524	B1322	withdrawn		Involute splines; summary of data
10525	B1323	withdrawn		Involute splines ; Dimensions and measurements ; Module 0.6, 0.8 and 1
10526	B1324	withdrawn		Involute splines ; Dimensions and measurements ; Module 1.25
10527	B1325	withdrawn		Involute splines ; Dimensions and measurements ; Module 1.5
10528	B1326	withdrawn		Involute splines ; Dimensions and measurements ; Module 2
10529	B1327	withdrawn		Involute splines ; Dimensions and measurements ; Module 2.5
10530	B1328	withdrawn		Involute splines ; Dimensions and measurements ; Module 3
10531	B1329	withdrawn		Involute splines ; Dimensions and measurements ; Module 4
10532	B1330	withdrawn		Involute Splines ; Dimensions and Measurements ; Module 5
10533	B1331	withdrawn		Involute Splines ; Dimensions and Measurements ; Module 6
10534	B1332	withdrawn		Involute splines ; Dimensions and measurements ; Module 8
10535	B1333	withdrawn		Involute splines ; Dimensions and measurements ; Module 10
10536	B1334	withdrawn		Involute splines \ side fits, tolerances
10537	B1335	withdrawn		Involute splines ; testing and gauges for side fit
10538	B1336	withdrawn		Involute splines ; hobs, pinion-type cutters, broaches
* 10594	B1337	withdrawn		Elevators
* 10595	B1338	withdrawn		Size of car and hoistway of elevator
10682	B1339	withdrawn		Woodworking crosscut saws ;tooth shapes
10764	B1340	withdrawn		Classification and essential characteristics of bicycles(replaced by CNS 366 series)
10897	B1341	2006-02		Miniature boiler
10998	B1342	withdrawn		Glossary of terms used in main-body of straight lock stitch sewing machine for industrial use
10999	B1343	withdrawn		Glossary of terms used in arm-shaft of straight lock stitch industrial sewing machine
11000	B1344	withdrawn		Glossary of terms used in thread handling of straight lock stitch industrial sewing machine
11001	B1345	withdrawn		Glossary of terms used in shuttle of straight lock stitch industrial sewing machine
11002	B1346	withdrawn		Glossary of terms used in feeding of straight lock stitch industrial sewing machine
11003	B1347	withdrawn		Glossary of terms used in presser bar of straight lock stitch industrial sewing machine
11004	B1348	withdrawn		Glossary of terms used in bobbin winding of straight lock stitch industrial sewing machine
11259	B1349	1985-05		Tolerances of Ball and Roller Bearings-Chamfer Dimension Limits

CNS no.	Category no.	Date of		Title
		Current edition		
11277	B1350	1985-06		Hardening by Induction Heating and Tempering of Iron and Steel
11641	B1351	1986-08		Glossary of Terms for Wood Working Machinery
11871	B1352	withdrawn		Standard conditions of rating temperature for refrigerating compressors
11872	B1353	withdrawn		Measurement of fluid flow by means of orifice plates or nozzles
12078	B1354	withdrawn		Machining allowance for open die forgings
12244	B1355	1988-04		General Requirements for Construction of Plastics Injection Molding Machines
12554	B1356	1989-07		Boiler Gas Burning Equipment
12613	B1357	1989-10		Glossary of Terms for Drills
12651	B1358	withdrawn		Structure for escalators
13084	B1359	1992-12		General Code of Safety for Wood Working Machinery
13085	B1360	1992-12		Test Code of Performance and Accuracy for Wood Working Machinery
13136	B1361	1993-01		Safety Standards for Construction of Table Band Saws
13137	B1362	1993-01		Safety Standards for Construction of Band Saws With Rollers
13138	B1363	1993-01		Safety Standards for Construction of Band Saws With Carriages
13167	B1364	1993-03		Safety Standards for Construction of Spindle Shapers
13168	B1365	1993-03		Safety Standards for Construction of Routers
13169	B1366	1993-03		Safety Standards for Construction of Veneer Lathes
13170	B1367	1993-03		Safety Standards for Construction of Hot Presses
13269	B1368	1993-10		Safety Standards for Construction of Rip Saw and Gang Rip Saw
13531	B1369	1995-05		Glossary for Cones
13532	B1370	1995-05		Conical Tapers
13533	B1371	1995-05		Deviations for Center Distance
13534	B1372	1995-05		System of cone tolerances
13535	B1373	1995-05		Angles and slopes on prisms
13536	B1374	1995-05		Cone fits
*	14110	B1375	1998-02	Assembly tools for screws and nuts – Technical specifications for hand operated wrenches and sockets
14726	B1376	2003-03		Numerical control of machines-Program format and definition of address words-Data format for positioning , line motion and contouring control systems
14804	B1377	2022-01		Safety of machinery – Emergency stop function – Principles for design
14805	B1378	withdrawn		Safety of machinery - Safety distances to prevent danger zones being reached by the upper limbs
14806	B1379	withdrawn		Safety of machinery - Safety distances to prevent danger zones being reached by the lower limbs
14807	B1380	2004-04		Safety of machinery – Minimum gaps to avoid crushing of part of the human body
14878	B1381	2005-01		Pliers and nippers - Nomenclature
14879	B1382	2005-01		Pliers and nippers for electronics - Nomenclature
15076-1	B1383-1	2007-08		Modular units for machine tools - Workholding pallets - Part 1 : Workholding pallets up to 800 mm nominal size
15076-2	B1383-2	2007-08		Modular units for machine tools - Workholding pallets - Part 2 : Workholding pallets of nominal size greater than 800 mm
15193-1	B1384-1	2008-06		Safety of machinery - Permanent means of access to machinery - Part 1 : Choice of fixed means of access between two levels
15193-2	B1384-2	2008-06		Safety of machinery - Permanent means of access to machinery - Part 2 : Working platforms and walkways
15193-3	B1384-3	2008-06		Safety of machinery - Permanent means of access to machinery - Part 3 : Stairs,stepladders and guard-rail
15193-4	B1384-4	2008-09		Safety of machinery - Permanent means of access to machinery - Part 4 : Fixed ladders
15344	B1385	2010-06		Safety of machinery – Interlocking devices associated with guards – Principles for design and selection
15345-1	B1386-1	2010-06		Safety of machinery – Reduction of risk to health from hazardous

CNS no.	Category no.	Date of		Title
		Current edition		
15345-2	B1386-2	2010-06		substances emitted by machinery – Part 1: Principles and specification for machinery manufacturers
15347	B1388	2017-11		Safety of machinery – Reduction of risk to health from hazardous substances emitted by machinery – Part 2: Methodology leading to verification procedure
15347-1	B1388-1	withdrawn		Safety of machinery – General principles for design – Risk assessment and risk reduction
15434	B1389	2011-01		Safety of machinery – Basic concepts, general principles for design – Part 1: Basic terminology, methodology (replaced by CNS 15347)
15522	B1390	2011-11		Safety of machinery - Guards - General requirements for the design and construction of fixed and movable guards
15508-1	B1390-1	withdrawn		Safety of machinery - Two-hand control devices - Functional aspects and design principles
15523	B1391	2011-11		Safety of machinery – Risk assessment – Part 1: Principles (replaced by CNS 15347)
15544-1	B1392-1	2012-05		Safety of machinery - Safety distances to prevent hazard zones being reached by upper and lower limbs
15544-2	B1392-2	2012-05		Load restraint assemblies on road vehicles - Safety - Part 1: Calculation of lashing forces
15565-1	B1393-1	2012-10		Load restraint assemblies on road vehicles - Safety - Part 2: Web lashing made from man-made fibres
15565-2	B1393-2	2012-10		Ergonomic design for the safety of machinery – Part 1: Principles for determining the dimensions required for openings for whole-body access into machinery
15565-3	B1393-3	2014-06		Ergonomic design for the safety of machinery – Part 2: Principles for determining the dimensions required for access openings
15566-1	B1394-1	2015-05		Ergonomic design for the safety of machinery – Part 3: Anthropometric data
15566-2	B1394-2	2015-05		Safety of machinery - Pressure-sensitive protective devices - Part 1 : General principles for design and testing of pressure-sensitive mats and pressure-sensitive floors
15566-3	B1394-3	2015-05		Safety of machinery - Pressure-sensitive protective devices - Part 2: General principles for design and testing of pressure-sensitive edges and pressure-sensitive bars
15692-1	B1395-1	2013-10		Safety of machinery - Pressure-sensitive protective devices - Part 3 : General principles for design and testing of pressure-sensitive bumpers, plates, wires and similar devices
15692-2	B1395-2	2013-10		Safety of machinery - Laser processing machines - Part 1: General safety requirements
15692-3	B1395-3	2015-07		Safety of machinery - Laser processing machines - Part 2: Safety requirements for hand-held laser processing devices
15703-1	B1396-1	2013-11		Safety of machinery - Laser processing machines - Part 3: Noise reduction and noise measurement methods for laser processing machines and hand-held processing devices and associated
15703-2	B1396-2	2013-11		Tool shanks with 7/24 taper for automatic tool changers - Part 1: Dimensions and designation of shanks of forms A, AD, AF, U, UD and UF
15703-3	B1396-3	2013-11		Tool shanks with 7/24 taper for automatic tool changers – Part 2: Dimensions and designation of shanks of forms J, JD and JF
15704-1	B1397-1	2013-11		Tool shanks with 7/24 taper for automatic tool changers – Part 3: Retention knobs for shanks of forms AC, AD, AF, UC, UD, UF, JD and JF
15704-2	B1397-2	2013-11		7/24 taper spindle noses for automatic tool changers – Part 1: Dimensions and designation of spindle noses of forms S and SF
15705-1	B1398-1	2013-11		7/24 taper spindle noses for automatic tool changers – Part 2: Dimensions and designation of spindle noses of forms J and JF
15705-2	B1398-2	2013-11		Tools for pressing - Punch holder shanks – Part 1: Type A
				Tools for pressing - Punch holder shanks - Part 2: Type C

CNS no.	Category no.	Date of		Title
		Current edition		
15705-3	B1398-3	2013-11		Tools for pressing - Punch holder shanks - Part 3: Type D
15734-1	B1399-1	2014-07		Industrial automation systems and integration - Distributed installation in industrial applications - Part 1: Sensors and actuators
15735	B1400	2021-04		Safety of machinery – Prevention of unexpected start-up
15744	B1401	2014-09		Bicycles - Terminology
15785-1	B1402-1	2015-01		Tool holders with cylindrical shank - Part 1: Cylindrical shank, location bore - Technical delivery conditions
15785-2	B1402-2	2015-01		Tool holders with cylindrical shank - Part 2: Type A, shanks for tool holders of special designs
15785-3	B1402-3	2015-01		Tool holders with cylindrical shank - Part 3: Type B with rectangular radial seat
15785-4	B1402-4	2015-01		Tool holders with cylindrical shank - Part 4: Type C with rectangular axial seat
15785-5	B1402-5	2015-01		Tool holders with cylindrical shank - Part 5: Type D with more than one rectangular seat
15785-6	B1402-6	2015-01		Tool holders with cylindrical shank - Part 6: Type E with cylindrical seat
15785-7	B1402-7	2015-01		Tool holders with cylindrical shank - Part 7: Type F with taper seat
15785-8	B1402-8	2015-01		Tool holders with cylindrical shank - Part 8: Type Z, accessories
15885	B1403	2016-06		Cycles - Pedal axle and crank assembly with square end fitting - Assembly dimensions
15886	B1404	2016-06		Cycles - Hubs and freewheels - Assembly dimensions
15887	B1405	2018-01		Cycles – Handlebar centre and stem dimensions
15888	B1406	2016-06		Cycles - External dimensions of spoke nipples
15889	B1407	2016-06		Cycles -Splined hub and sprocket - Mating dimensions
15943	B1408	2016-11		Safety of machinery – Integrated manufacturing systems – Basic requirements
16011-1	B1409-1	2017-11		Machine tools – Connecting dimensions of spindle noses and work holding chucks – Part 1: Conical connection
16011-2	B1409-2	2017-11		Machine tools – Connecting dimensions of spindle noses and work holding chucks – Part 2: Camlock type
16011-3	B1409-3	2017-11		Machine tools – Connecting dimensions of spindle noses and work holding chucks – Part 3: Bayonet type
16011-4	B1409-4	2017-11		Machine tools – Connecting dimensions of spindle noses and work holding chucks – Part 4: Cylindrical connection
19649	B1410	2019-04		Mobile robots – Vocabulary
16097-1	B1411-1	2019-09		Machine tools – Dimensions and geometric tests for self-centring chucks with two-piece jaws P– art 1: Manually operated chucks with tongue and groove type jaws
16097-2	B1411-2	2019-09		Machine tools – Dimensions and geometric tests for self-centring chucks with two-piece jaws – Part 2: Power-operated chucks with tongue and groove type jaws
16097-3	B1411-3	2019-09		Machine tools – Dimensions and geometric tests for self-centring chucks with two-piece jaws – Part 3: Power-operated chucks with serrated jaws
16107-1	B1412-1	2019-09		Hollow taper interface with flange contact surface – Part 1: Shanks – Dimensions
16107-2	B1412-2	2019-09		Hollow taper interface with flange contact surface – Part 2: Receivers – Dimensions
16107-3	B1412-3	2019-09		Hollow taper interface with flange contact surface – Part 3: Dimensions of shanks for stationary tools
16107-4	B1412-4	2019-09		Hollow taper interface with flange contact surface – Part 4: Dimensions of receivers for stationary tools
52900	B1413	2019-11		Additive manufacturing – General principles – Terminology
16136-1	B1414-1	2020-10		Hand-held non-electric power tools - Safety requirements - Part 1: Assembly power tools for non-threaded mechanical fasteners
52901	B1415	2020-11		Additive manufacturing - General principles - Requirements for purchased AM parts



CNS no.	Category no.	Date of		Title
		Current edition		
52910	B1416	2020-11		Additive manufacturing - Design - Requirements, guidelines and recommendations
17842-1	B1417-1	2021-10		Safety of amusement rides and amusement devices – Part 1: Design and manufacture
17842-2	B1417-2	2021-10		Safety of amusement rides and amusement devices – Part 2: Operation and use
17842-3	B1417-3	2021-10		Safety of amusement rides and amusement devices – Part 3: Requirements for inspection during design, manufacture, operation and use

## Spare Parts

	27	B2001	1971-12	Transmission Equipment (Diameter of Transmission Shaft)
	28	B2002	1947-03	Transmission Equipment (Revolutions of Transmission Shaft Under Load)
	29	B2003	2014-06	Belt drives - Classical and narrow V-belts - Grooved pulleys (System based on datum width)
	30	B2004	2014-06	Belt drives - Pulleys - Quality, finish and balance
	120	B2005	1947-03	Collar (Using Light Duty Set Screws)
	121	B2006	1947-03	Collar (Using Heavy Duty Set Screws)
	122	B2007	1972-06	Collar (Using Cotter Pin or Taper Pin)
	147	B2008	withdrawn	Cylindrical shaft end (for assembling coupling, pulley and gear)
	148	B2009	withdrawn	Taper shaft end (for assembling coupling and gear)
*	150	B2010	1994-09	Medium Type Washers (for Hexagonal Bolts and Nuts)
*	151	B2011	1994-09	Semi - Finished Washers (for Hexagonal Bolts and Nuts: M1 -M20)
*	152	B2012	1994-09	Semi - Finished Washers (for Bolts with Cylindrical and pan Head and Nuts)
*	153	B2013	1994-09	Coarse Type Washers (Primarity for Hexagonal Bolts and Nuts)
*	154	B2014	1994-09	Large Unfinished Washers (for Metric Bolts and Nuts M6 - M52)
	155	B2015	1994-09	Unfinished Square Washers (for Metric Bolts and Nuts)
	156	B2016	1994-09	Square Taper Washers (for Channels)
	157	B2017	1994-09	Square Taper Washers (for I Sections)
	158	B2018	1994-09	Rectangular Lock Washers (for Metric Bolts and Nuts M3 - M52)
	159	B2019	1994-09	Tab washers (with long tap)
	160	B2020	1994-09	External Tab Washers
*	161	B2021	1994-09	Spring Lock Washers (with Square Ends or Tang Ends)
	183	B2022	2001-12	Cylindrical gears for general and heavy engineering-Modules
	184	B2023	2001-12	Cylindrical gears for general and heavy engineering-Standard basic rack tooth profile
	185	B2024	withdrawn	Dimensions of change gears for machine tools
	186	B2025	1984-08	Numbers of Teeth of Change Gears for Geared Lathe, Milling Machine and Gear Generating Equipment
	330	B2026	1954-07	Hand Wheels of Low Heat Insulation Materials
	331	B2027	1954-07	Hand-Wheels with Crooked Rims and Straight Arms
	332	B2028	1954-07	Hand Wheels with Crooked Rims and Curved Arms
	333	B2029	withdrawn	Hand wheels, offset-arm type, rund hub hole
	334	B2030	withdrawn	Hand wheels, offset arm type, square hub hole
	335	B2031	withdrawn	Hand wheels; offset arm type, tapered square
*	341	B2032	1975-12	Screw Threads for Bicycles
	343	B2033	withdrawn	Frames for bicycles(replaced by CNS 366 series)
	344	B2034	withdrawn	Material Specifications for Frame and Steering Gears of Bicycles
	345	B2035	withdrawn	Handle stems and parts for bicycles(replaced by CNS 366 series)
	346	B2036	withdrawn	Bracket Axle for Bicycles
	347	B2037	withdrawn	Bracket axle for bicycles(replaced by CNS 366 series)
	348	B2038	withdrawn	Saddle posts (pillar) for bicycles(replaced by CNS 366 series)
	349	B2039	withdrawn	Mudguards for bicycles(replaced by CNS 366 series)
	350	B2040	withdrawn	Handles for bicycles(replaced by CNS 366 series)
	351	B2041	withdrawn	Handle grips for bicycles(replaced by CNS 366 series)
	352	B2042	withdrawn	Hand Brake of Bicycles for Front Wheels

		Date of		
CNS no.	Category no.	Current edition	Title	
	353	B2043	withdrawn	Material Specifications for Brake Parts of Bicycles
	354	B2044	withdrawn	Hand brakes for bicycles(replaced by CNS 366 series)
	355	B2045	withdrawn	Chain wheels and cranks for bicycles(replaced by CNS 366 series)
	356	B2046	withdrawn	Pedals for bicycles(replaced by CNS 366 series)
*	357	B2047	2014-03	Bicycle chains – Characteristics and test methods
*	358	B2048	1975-12	Free Wheels for Bicycles
	359	B2049	1990-11	Hub Cogs for Bicycles
*	360	B2050	1993-12	Front Hubs for Bicycles
*	361	B2051	1990-11	Rear Hubs for Bicycles
*	362	B2052	1993-12	Spokes for Bicycles
	363	B2053	withdrawn	Rims for bicycles (→CNS 363-2)
	363-1	B2053-1	2019-07	Bicycle tyres and rims – Part 1: Tyre designations and dimensions
	363-2	B2053-2	2018-09	Bicycle tyres and rims – Part 2: Rims
*	364	B2054	1984-09	Tire Valves for Bicycles
	365	B2055	withdrawn	Saddles for bicycles(replaced by CNS 366 series)
	388	B2056	1954-07	Adaptable Drill Bushing with Set Screw (Metric System)
	389	B2057	1954-07	Adaptable Drill Bushing with Set Screw (Inch System)
	390	B2058	1954-07	Insert Type Drill Bushing (Metric System)
	391	B2059	1954-07	Insert Type Drill Bushing (Inch System)
	392	B2060	1954-07	Thin Bearing Sleeve
	393	B2061	1954-07	Thick Bearing Sleeve
	394	B2062	1954-07	Bearing Sleeve with Hard Lead Lever
	395	B2063	1954-07	Fillet Radius, Straight Chamfer and Ring Groove (for Bearing Sleeve)
*	396	B2064	1978-03	Taper Pins
	397	B2065	1978-03	Parallel Pins
	398	B2066	1978-03	Spilt Pins
	399	B2067	withdrawn	Fastening of taper pins and cotter pins
	492	B2068	1955-09	Whitworth Thread (Without Tip Clearance)
	493	B2069	1955-09	Fine Whitworth Thread (Diameter Ranging From 20 to 189 mm, with Tip Clearance)
	494	B2070	1990-08	Parallel Pipe Threads
	495	B2071	1990-08	Taper Pipe Threads
*	496	B2072	1978-06	ISO Metric Screw Threads-Basic Profile (General Purpose)
*	497	B2073	1978-06	ISO Metric Coarse Screw Threads
*	498	B2074	1978-06	ISO Metric Fine Screw Threads (General)
*	499	B2075	1978-06	ISO Metric Fine Screw Threads (Diameters from 1 to 3.5mm and pitches 0.2 to 0.35mm)
*	500	B2076	1978-06	ISO Metric Fine Screw Threads (Diameters from 4 to 8mm and Pitches 0.5 to 0.75mm)
	500-2	B2077	withdrawn	ISO Fine Metric Thread (Diameter Ranging From 35 to 100mm)
	500-3	B2078	withdrawn	ISO Fine METric THread (Diameter Ranging From 120 to 300mm)
	501	B2079	1978-06	ISO Metric fine screw threads (diameters from 8 to 30mm and pitches 1 to 1.25mm)
	501-2	B2080	withdrawn	ISO Fine Metric Thread (Diameter Ranging From 11.5 to 500mm)
	502	B2081	1978-06	ISO Metric fine screw threads (diameters from 12 to 80mm and pitch 1.5mm)
	503	B2082	1978-06	ISO Metric fine screw threads (diameters from 18 to 150mm and pitch 2mm)
	504	B2083	1978-06	ISO Metric fine screw threads (diameters from 30 to 250 mm and pitch 3 mm)
	505	B2084	1978-06	ISO Metric fine screw threads (diameters from 42 to 300 mm and pitch 4 mm)
	506	B2085	1978-06	ISO Metric fine screw threads (diameters from 70 to 300 mm and pitch 6 mm)
	507	B2086	1978-06	ISO Miniature screw threads
	508	B2087	1978-05	Knuckle thread (profiles, nominal sizes)
	509	B2088	withdrawn	Knuckle Thread, for Poison Gas Mask
	510	B2089	1978-03	Edison thread

CNS no.	Category no.	Date of Current edition	Title
511	B2090	1978-03	Metric trapezoidal screw thread - Profiles
512	B2091	1978-03	Metric trapezoidal screw thread (general plan)
513	B2092	1978-03	Metric trapezoidal screw threads - Allowance and tolerance for general purpose trapezoidal screw threads
514	B2093	1978-03	Metric trapezoidal screw thread (basic sizes)
515	B2094	1978-08	Metric buttress screw threads ,profiles
516	B2095	1978-08	Metric buttress screw thread ,general plan
517	B2096	1978-08	Metric buttress screw thread ,allowance and tolerance
566	B2097	withdrawn	Cold headed rivet
567	B2098	1966-11	Hot headed rivet
568	B2099	withdrawn	Flat Headed Rivet (Diameter Ranging From 1 to 9 mm) (→C N S 7 5 6 4 )
569	B2100	withdrawn	Flat Headed Rivet (Diameter Ranging From 10 to 43mm) (→C N S 7 5 6 4 )
570	B2101	withdrawn	Circular Crown Headed Rivet (→C N S 7 5 6 3 )
571	B2102	withdrawn	Flat Head Taper Rivet (→C N S 7 5 6 2 )
572	B2103	withdrawn	Crown Head Rivet (Diameter Ranging From 16 to 84mm) (→C N S 7 3 3 9 )
573	B2104	withdrawn	Crown Head Countersink Rivet (Diameter Ranging From 10 to 43mm) (→C N S 7 3 4 0 )
574	B2105	withdrawn	Trapezoidal Headed Rivet (Diameter Ranging From 16 to 43mm)
* 712	B2106	1987-03	Brass screwed globe valves (10 kgf/cm <sup>2</sup> )
* 713	B2107	1993-01	Cast iron flanged gate valves ( 10kgf/cm <sup>2</sup> ) ( inside screw non-rising stem type)
714	B2108	1993-01	Cast iron flanged gate valves ( 5kgf/cm <sup>2</sup> ) ( outside screw type)
* 715	B2109	1993-01	Cast iron flanged gate valves ( 10kgf/cm <sup>2</sup> ) ( outside screw type)
716	B2110	1962-09	Gate Valve ,Flange Type (Nominal Pressure 16 kgf/cm <sup>2</sup> )
717	B2111	withdrawn	Gate valve ,flange type (nominal pressure 25 kgf/cm)
718	B2112	withdrawn	Gate valve ,flange type (nominal pressure 40 kgf/cm)
1362	B2113	withdrawn	Belt fastener
* 2222	B2114	1964-07	Roller chain for power transmission
2861	B2115	2000-05	Steel balls for ball bearings
* 2862	B2116	1994-09	Deep groove ball bearings: Single - Row without filling notch
2864	B2117	withdrawn	Deep groove thrust ball bearings; single-thrust, with flat seating
2869	B2118	2006-06	Spheroidal graphite iron castings
3120	B2119	1987-10	Hexagon bolts with small widths across flats
3121	B2120	2014-07	Hexagon head bolts - Product finished and semi-finished
3122	B2121	2014-07	Hexagon head screws - Product finished and semi-finished
* 3123	B2122	1987-10	Hexagon head bolts,regular, metric thread
3124	B2123	1987-10	Hexagon head bolts for steel structures
3125	B2124	1980-05	Hexagon head fitting bolts for steel structures
3127	B2125	withdrawn	Hexagon Nuts (General)
3128	B2126	2016-09	Hexagon regular nuts (style 1) - Product grades A and B
3129	B2127	withdrawn	Hexagon nuts - Thin type
3129-1	B2127-1	2016-09	Hexagon thin nuts chamfered (style 0) - Product grades A and B
3129-2	B2127-2	2016-09	Hexagon thin nuts unchamfered (style 0) - Product grade B
3130	B2128	2016-09	Hexagon regular nuts (style 1) - Product grade C
3131	B2129	withdrawn	Small Size Hexagon Nuts (Finished)
* 3132	B2130	1983-02	Hexagon nuts with small widths across flats
3133	B2131	1981-04	Square head bolts (general)
3134	B2132	1981-04	Square head bolts (finished)
3135	B2133	1981-04	Square head bolts (semi-finished)
3136	B2134	1981-04	Square head bolts (regular)
3137	B2135	1981-04	Large square head bolts (regular)
3369	B2136	withdrawn	16mmΦ × 4267mm Chains
3370	B2137	withdrawn	2mmΦ Two - Ring Chains
3412	B2138	withdrawn	Anchor Shackle
3515	B2139	2018-01	Cycles – Audible warning devices – Technical specification and

		Date of		
CNS no.	Category no.	Current edition		Title
				test methods
3542	B2140	2016-01		Forged shackles for general lifting purpose - Dee shackles and bow shackles
3616	B2141	2004-01		Carbon steel balls for bicycles
3932	B2142	2016-11		Hexagon socket head cap screws
3934	B2143	1998-08		Mechanical properties of bolts,screws and studs
3982	B2144	1999-04		Soltted pan head tapping screws
4028	B2145	1999-06		Mechanical properties of nuts - Effective heights of thread $\geq 0.4d$
4067	B2146	1983-02		Square nuts
4104	B2147	withdrawn		Pipe Threads Where Pressure-Tight Joints Are Made on the Threads
4105	B2148	withdrawn		Pipe Threads Where Pressure-Tight Joints Are Not Made on the Threads
4107	B2149	withdrawn		Flat seal for hydraulic couplings
4108	B2150	withdrawn		Coupling threads for hydraulic or pneumatic piping (pipe threads)
4109	B2151	withdrawn		Pipe couplings for hydraulic piping (pipe threads)
4169	B2152	withdrawn		Steel roller chain type s32 to s88 with their associated chain wheels
4170	B2153	1977-10		Short pitch transmission precision roller chains and chain wheels
4171	B2154	withdrawn		Extended pitch precision roller chains and chain wheels for transmission and conveyors
4172	B2155	1977-10		Short pitch transmission precision bush chains and chain wheels
4173	B2156	1977-10		Conveyor chains, attachments and chain wheels
4221	B2157	1978-03		Metric trapezoidal screw thread (limits for internal screw threads from 8mm to 100mm)
4222	B2158	1978-03		Metric trapezoidal screw thread (limits for internal screw threads from 105 mm to 300 mm)
4223	B2159	1978-03		Metric trapezoidal screw thread (limits for external screw threads from 8 mm to 100 mm)
4224	B2160	1978-03		Metric trapezoidal screw thread (limits for external screw threads from 105 mm to 300 mm )
4225	B2161	1978-03		Stub metric trapezoidal screw threads-profiles
4226	B2162	1978-03		Stub metric trapezoidal screw threads-general plan
4227	B2163	1978-03		Thread and thread ends for wood screws
4228	B2164	withdrawn		Finishes with external screw thread for glass containers
4229	B2165	1978-06		ISO Metric screw threads-selected sizes for screws, bolts and nuts
4230	B2166	2000-02		Torque-type steel hexagon locknuts
4231	B2167	withdrawn		Mechanical properties of nuts - Effective heights of thread $0.4d$ to $< 0.6d$
4232	B2168	1978-03		Torque type steel hexagon locknuts - Mechanical and performance properties
*	4234	B2169	withdrawn	Screws and nuts, made of stainless steel
	4234-1	B2169-1	2012-11	Mechanical properties of corrosion-resistant stainless steel fasteners – Part 1: Bolts, screws and studs
	4234-2	B2169-2	2012-11	Mechanical properties of corrosion-resistant stainless steel fasteners – Part 2: Nuts
	4234-3	B2169-3	2012-11	Mechanical properties of corrosion-resistant stainless steel fasteners – Part 3: Set screws and similar fasteners not under tensile stress
4236	B2170	2005-03		Hexagon nuts with large widths across flats for steel structures
4237	B2171	2021-04		Fasteners – Hot dip galvanized coatings
4246	B2172	1980-05		Knurled thumb screws
4247	B2173	withdrawn		Flat knurled thumb screws
4248	B2174	withdrawn		Slotted knurled thumb screws
4249	B2175	1980-05		Square head screws with half dog ponit
4250	B2176	1980-05		Square head screws with collar and half dog point with rounded end screws
4251	B2177	1980-07		Slotted capstan screws
4252	B2178	withdrawn		Spring washers curved or crinkle type
4253	B2179	1978-03		Split taper pins

		Date of		
CNS no.	Category no.	Current edition	Title	
4254	B2180	1978-03	Machine Tools Internal Tab Washers for Slotted Round Nuts for Hook Spanner	
4255	B2181	withdrawn	Spring washers with safety ring	
4303	B2182	2000-06	Slotted countersunk (flat) head tapping screws	
4304	B2183	2000-06	Slotted raised countersunk (oval) head tapping screws	
4305	B2184	2000-06	Cross recesses pan head tapping screws	
4306	B2185	2000-06	Cross recesses countersunk (flat) head tapping screws	
4307	B2186	2000-06	Cross recesses raised countersunk (oval) head tapping screws	
4308	B2187	2000-06	Hexagon head tapping screws	
4309	B2188	withdrawn	Conical spring washers	
4310	B2189	withdrawn	Small circular washers	
4311	B2190	1983-03	Clevis pins	
4312	B2191	1983-03	Clevis pins with heads	
4313	B2192	2016-11	Prevailing torque type hexagon high nuts (with non-metallic insert ) - Property classes 9 and 12	
4314	B2193	2016-11	Prevailing torque type hexagon regular nuts (with non-metallic insert ) - Property classes 5, 8 and 10	
4315	B2194	1983-02	Self-locking domed cap nuts	
4316	B2195	1978-03	Mechanical properties of nuts (effective height of thread &lt; 0.4 d)	
4320	B2196	1987-10	Hexagon head bolts, finished and semi-finished, metric fine thread	
4321	B2197	1987-10	Hexagon bolts with approximately to head, finished and semi-finished, metric fine thread	
4322	B2198	1982-12	Hexagon bolts with thread approximately to head, regular, metric thread	
*	4352	B2199	1988-04	Mechanical properties of tapping screws
*	4355	B2200	1980-07	Slotted cheese head screws
*	4356	B2201	1980-07	Slotted pan head screws with large head
*	4357	B2202	1980-07	Slotted pan head screws
*	4358	B2203	1980-07	Slotted pan head screws with shoulder
*	4359	B2204	1980-07	Slotted pan head screws with small head and full dog point
*	4360	B2205	1980-07	Slotted pan head screws with small head
*	4361	B2206	1980-07	Slotted shoulder screws
*	4362	B2207	1980-07	Slotted cheese head screws for fine mechanics M 0.3 to M 1.4
	4363	B2208	1980-07	Slotted countersunk (flat) head screws for fine mechanics M 0.4 to M 1.4
	4364	B2209	withdrawn	Hexagon head fitting bolts with long threaded portion
	4365	B2210	withdrawn	Hexagon head fitting bolts with short threaded portion
	4366	B2211	1987-10	Hexagon bolts with large widths across flats for steel structures (joints with hightensile, prestressed bolts)
	4367	B2212	withdrawn	Knuckle threads for steel sheet pieces (up to 0.5 mm thickness and appropriated couplings dimensions tolerances)
	4368	B2213	1978-05	Lifting hooks, knuckle threads
	4369	B2214	withdrawn	Round thread with clearance and flat flank with pitch 7 mm; nominal sizes
	4371	B2215	1978-05	Round thread with clearance and steep flank with pitch 7 mm theoretic values
	4373	B2216	withdrawn	Wing nuts (heavy type)
	4374	B2217	withdrawn	Wing nuts ( small type )
	4375	B2218	1987-07	Butterfly nuts
	4376	B2219	1987-07	Bow nuts
	4377	B2220	1983-02	Square thin nuts
	4378	B2221	1983-02	Special Foundation Nuts
	4379	B2222	1983-02	Thin nuts with small widths across flats
	4402	B2223	1978-06	Toothed lock washers
	4403	B2224	1978-06	Toothed lock washers for screw assemblies
	4404	B2225	withdrawn	Serrated lock washers
	4405	B2226	1978-06	Serrated lock washers for screw assemblies
*	4406	B2227	1978-06	Spring washer

	CNS no.	Category no.	Date of Current edition	Title
	4407	B2228	1978-06	Curved spring washers for screw assemblies
	4409	B2229	withdrawn	Screw and washer assemblies
	4410	B2230	withdrawn	Tapping screw and washer assemblies
	4411	B2231	1981-04	Slotted countersunk (flat) head screws
	4412	B2232	1981-04	Slotted countersunk (flat) head screws with full dog point
*	4413	B2233	withdrawn	Cheese head countersunk screw for electric connect set
	4414	B2234	withdrawn	Slotted raised countersunk (oval) head screws
	4415	B2235	1981-04	Slotted countersunk (oval) head screws with full dog point
	4416	B2236	1981-04	Slotted flat mushroom head screws
	4417	B2237	1981-04	Countersunk head nip bolts
	4418	B2238	1981-04	Countersunk square bolts with long square
	4419	B2239	1981-04	Countersunk square bolts with square short square
	4420	B2240	1981-04	Countersunk head bolts with forged slot for steel structures
	4421	B2241	1981-04	Seating bolts and conical spring washers for clamping
	4422	B2242	1981-04	Square head screws with collar, M5 to M24
	4423	B2243	withdrawn	Square head screws with cone point, M 5 to M 24
	4424	B2244	1981-04	Cup square bolts, metric thread, regular
	4425	B2245	withdrawn	Cup square bolts with enlarged head for looms
	4426	B2246	1981-04	Foundation bolts
	4427	B2247	1981-04	Foundation studs
	4428	B2248	1992-10	Hexagon nuts, rounded trapezoidal thread
	4429	B2249	1992-10	Shouldered nuts;metric fine thread, rounded trapezoidal thread
	4430	B2250	1983-02	Hexagon weld nuts
	4431	B2251	1993-07	Square weld nuts
	4432	B2252	1993-07	Slotted round nuts
	4433	B2253	1993-07	Round nuts with set pin hole in side
	4434	B2254	1993-07	Round nuts with drilled holes in one face
	4462	B2255	withdrawn	Knurled nuts, thin type
	4463	B2256	withdrawn	Round nut with set pin holes inside iso metric fine thread
	4464	B2257	withdrawn	Rolling bearing accessories, locknuts
	4465	B2258	withdrawn	Slotted round nut
	4466	B2259	withdrawn	Groove nuts securing by snap rings
	4467	B2260	withdrawn	Groove nuts securing by locking plates
	4468	B2261	1978-08	Buttress thread 45° for hydraulic presses
	4469	B2262	withdrawn	Castle nuts (crown nuts)
	4470	B2263	1983-02	Castle Nuts, Thin Type
	4471	B2264	withdrawn	Castle nuts with small widths across flats
	4472	B2265	1983-02	Hexagon Cap Nuts
	4473	B2266	1983-02	Hexagon domed cap nuts
	4474	B2267	withdrawn	Knurled nuts
	4475	B2268	withdrawn	Slotted set screws with full dog point
	4476	B2269	withdrawn	Slotted set screws with cup point
	4477	B2270	withdrawn	Slotted set screws with cone end
	4478	B2271	withdrawn	Slotted set screws with chamfered end
*	4479	B2272	1981-04	Hexagon socket set screws with full dog point
*	4480	B2273	1981-04	Hexagon socket set screws with cup point
	4481	B2274	withdrawn	Hexagon socket set screws with cone end
*	4482	B2275	1981-04	Hexagon socket set screws with flat point
	4483	B2276	withdrawn	Screwed inserts
	4484	B2277	withdrawn	Cutter retaining screws for milling machine arbors
	4488	B2278	withdrawn	Wing screws, heavy types
	4489	B2279	withdrawn	Wing screws, small type
	4490	B2280	1981-04	Eye bolts
	4491	B2281	1981-04	Lifting eye bolts
	4492	B2282	1981-04	Eye bolts with small eyes, M 20
	4549	B2283	1978-10	Steel conduit thread, dimensions
	4550	B2284	withdrawn	Electric lighting fittings screw thread for cover glasses and caps
	4551	B2285	1978-10	Gas cylinders; thread for nozzles, neck rings and protection caps

		Date of		
CNS no.	Category no.	Current edition	Title	
4552	B2286	1978-10	Rounded trapezoidal thread; nominal sizes	
4553	B2287	1978-10	Rounded trapezoidal thread; limits of sizes and deviations; tolerances and permissible wear of thread gauges	
4554	B2288	withdrawn	Metric taper fine thread; cone 1:20	
* 4555	B2289	1981-04	Hexagon socket head cap screws M 1.4 to M 2.5	
* 4556	B2290	1981-04	Hexagon socket head cap screws with reduced height of head	
* 4557	B2291	1981-04	Hexagon socket head cap screws; shallow head with pilot recess for wrench key	
* 4558	B2292	2022-08	Fasteners – Hexagon socket countersunk head screws with reduced loadability	
* 4559	B2293	1981-04	Cross recessed raised fillister head screws	
* 4560	B2294	1981-04	Cross recessed countersunk (flat) head screws	
* 4561	B2295	1981-04	Cross recessed countersunk (oval) head screws	
* 4562	B2296	1981-04	Cross recessed round head wood screws	
* 4563	B2297	1981-04	Cross recessed countersunk (flat) head wood screws	
* 4564	B2298	1981-04	Cross recessed raised countersunk (oval) head wood screws	
4566	B2299	1981-04	T-head bolts	
4567	B2300	1981-04	T-head bolts with square neck	
4568	B2301	1981-04	T-head bolts with double nip	
4569	B2302	1981-04	T-head bolts with one-rounded head	
4570	B2303	1981-04	Bolts for T-slots (T-slots bolts)	
4571	B2304	1981-04	T-head bolts with large heads	
4572	B2305	withdrawn	T-head bolts for drawing instruments	
4573	B2306	withdrawn	Slotted raised countersunk bolts for drawing instruments	
4574	B2307	withdrawn	Cover bolts	
4578	B2308	1978-10	Bolted connections with reduced body; metric thread with large clearance, nominal values and limits	
4579	B2309	1983-03	Bolted connections with reduced body; bolts	
4580	B2310	1983-03	Bolted connections with reduced body; studs	
4581	B2311	1978-10	Bolted connections with reduced body; hexagon nuts	
4582	B2312	withdrawn	Bolted connections with reduced body; cap Nuts	
4583	B2313	1978-10	Bolted connections with reduced body; extension sleeves	
4584	B2314	1983-02	Bolted connections with reduced body; thread holes for studs	
4603	B2315	1978-10	Studs, metal end ~ 1d	
4604	B2316	withdrawn	Studs, metal end ~ 1.25d	
4605	B2317	withdrawn	Studs, metal end ~ 2d	
4606	B2318	withdrawn	Studs, metal end ~ 2.5d	
4607	B2319	1983-02	Studs for T-nuts	
4608	B2320	1983-02	Studs for welding	
4609	B2321	1983-02	Double end studs	
4610	B2322	withdrawn	Threaded rods	
4645	B2323	withdrawn	Washers with 2 taps	
4646	B2324	1983-03	Square taper washers for high prestressed I-sections	
4647	B2325	1983-03	Square taper washers for high prestressed channels	
4648	B2326	withdrawn	Washers for bolts with heavy type spring pins	
* 4649	B2327	1978-11	Plain washers, hardened	
* 4650	B2328	withdrawn	Washers for tapping screw assemblies	
* 4651	B2329	withdrawn	Washers for cheese head screws	
4652	B2330	withdrawn	Slotted headless screws with chamfered end	
4653	B2331	withdrawn	Slotted headless screws with full dog point	
4654	B2332	1983-01	Hexagon set screws with full dog point	
4655	B2333	1978-11	Hexagon set screws with half dog point and cone end	
4656	B2334	1978-11	Self cutting screws	
4657	B2335	1982-12	Grub screws with thrust point	
4658	B2336	1984-07	Tommy screws with fixed clamping bolt	
4659	B2337	1984-07	Tommy screws with movable clamping bolt	
4660	B2338	1984-07	Tommy nuts with fixed clamping bolt	
4661	B2339	1984-07	Tommy nuts with movable clamping bolt	

		Date of		
CNS no.	Category no.	Current edition	Title	
	4662	B2340	withdrawn	Open insert nuts for plastics mouldings
	4663	B2341	withdrawn	Closed insert nuts with disk for plastics mouldings
*	4664	B2342	1984-07	Closed insert nuts with dead hole for plastics mouldings
	4665	B2343	withdrawn	Insert nuts heavy type for plastics mouldings and pressure die castings with dead hole
	4687	B2344	1993-10	Studs for drawn arc stud welding - Threaded studs
	4688	B2345	1993-10	Studs for drawn arc stud welding - Unthreaded studs
*	4689	B2346	1995-02	Studs for drawn arc stud welding; concrete anchor and shear connectors
	4690	B2347	1993-10	Studs for drawn arc stud welding - T-studs
	4691	B2348	withdrawn	Studs for stud welding with tip ignition; threaded studs
	4692	B2349	withdrawn	Studs for stud welding with tip ignition; unthreaded studs
	4693	B2350	1983-03	Fish bolts with round head and oval neck
	4694	B2351	withdrawn	Fish bolts with square head
	4695	B2352	withdrawn	Round head oval neck bolts for mine supports
	4696	B2353	1983-03	Round head nip bolts
	4697	B2354	1982-10	Countersunk bolts with double nip
	4698	B2355	1982-10	Countersunk double-rib bolts and counter sinkings for agricultural equipment
	4699	B2356	1982-10	Square head bolts for wooden guide plates
	4700	B2357	1987-10	Hexagon head bolts with thread approximately to head and with small widths across flats
	4701	B2358	1982-10	Hexagon domed cap bolts
	4702	B2359	withdrawn	Hexagon head bolts with reduced body
	4703	B2360	withdrawn	Sealing screws for watt-hour meters
	4704	B2361	withdrawn	Mounting bolts and wing nuts for watt-hour meters
	4729	B2362	1984-07	Round nuts
	4730	B2363	1984-07	Lifting eye nuts
	4731	B2364	withdrawn	Knurled nuts for drawing instruments
	4732	B2365	1984-07	Knurled nuts with ring
	4733	B2366	withdrawn	Hexagon nuts with collar
	4771	B2367	withdrawn	T-slot nuts
	4772	B2368	withdrawn	Hexagon and castle nuts with round thread; for motive power unit turnbuckles and drawbars
	4773	B2369	withdrawn	Rivet nuts
	4843	B2370	withdrawn	Heavy type hexagon head pipe plugs with shoulder and parallel thread
	4844	B2371	withdrawn	Heavy type hexagon head pipe plugs with shoulder, vent hole and parallel thread
	4845	B2372	withdrawn	Light type hexagon head pipe plugs with shoulder and parallel thread
	4846	B2373	withdrawn	Hexagon head pipe plugs with taper thread
	4847	B2374	withdrawn	Hexagon socket pipe plugs with shoulder and parallel thread
	4848	B2375	withdrawn	Hexagon socket pipe plugs with taper thread
	4849	B2376	withdrawn	Core plugs, core plug bars
	4850	B2377	1982-10	Screwed sealing plugs for drain fittings of copper-zinc alloy
	4851	B2378	1982-10	Screwed sealing plugs for drain fittings of high density PE
	4853	B2379	1979-05	Spark Plug
	4945	B2380	withdrawn	Adjusting screws for drawing instruments
	4946	B2381	withdrawn	Clamping screws for drawing instruments
	4947	B2382	withdrawn	T-head anchor screws
	4948	B2383	withdrawn	Coupling screws with collared nut and washers for double-ties
	4949	B2384	1979-08	Tapping screws, applications and core holes
*	5004	B2385	1992-04	Reflex reflectors for pedal bicycles
	5014	B2386	withdrawn	Hexagon nuts 1.5 d high metric thread
	5015	B2387	withdrawn	Washers for high-tensile prestressed structural bolting
	5050	B2388	withdrawn	Washers for screw assemblies
	5051	B2389	1979-12	Conical spring washers for screw assemblies



Date of				
CNS no.	Category no.	Current edition	Title	
5052	B2390	withdrawn	Single coil spring lock washers for cylindrical head screws	
5053	B2391	withdrawn	Curved spring washers for screw assemblies	
5054	B2392	withdrawn	Spherical washers & conical seats	
5055	B2393	withdrawn	Hexagon nuts 1.5 d high with collar metric thread	
5108	B2394	withdrawn	Thrust pads	
5109	B2395	withdrawn	Ball knobs	
5111	B2396	withdrawn	Handwheels of plastics, offset arm type, hole of hub round or parallely square	
5112	B2397	withdrawn	Washers for steel structure	
5113	B2398	withdrawn	round washers for wood structure	
5114	B2399	withdrawn	Washers, type medium, for bolts	
5115	B2400	withdrawn	Washers, type coarse, for bolts	
5116	B2401	withdrawn	Washers for cable glands	
5183	B2402	withdrawn	Tolerance on sewing machine parts for home use	
5184	B2403	1990-03	Presser feet of sewing machines for home use	
5185	B2404	1990-03	Shuttle bobbin cases of sewing machines for home use	
5186	B2405	1990-03	Bobbins of sewing machines for home use	
5187	B2406	1990-03	Throat plates of sewing machines for home use	
5188	B2407	1990-03	Shuttle races slides of sewing machines for home use	
5189	B2408	1990-03	Feed dogs of sewing machines for home use	
5190	B2409	1988-10	Treadle driven equipments for household sewing machines	
5191	B2410	1990-03	Hemmer feet of sewing machines for home use	
5193	B2411	withdrawn	Threaded pins	
5194	B2412	withdrawn	Washers with outside diameter= 3×bolt diameter	
5195	B2413	withdrawn	Thimbles	
5266	B2414	withdrawn	Series of modules for worm gear pairs	
5267	B2415	withdrawn	Accuracy of cylindrical gear teeth; tolerance for errors of cumulative circular pitch	
5268	B2416	1984-08	Accuracy of cylindrical gear teeth; tolerance for errors of composite	
5274	B2417	withdrawn	Base tangent lengths of spur gears for fine mechanics	
5275	B2418	withdrawn	Base tangent lengths of helical gears for fine mechanics	
5276	B2419	withdrawn	Factor cosa/cosaw of spur gears for fine mechanics	
5277	B2420	withdrawn	Cylindrical gear for fine mechanics (radial setting of tool)	
5278	B2421	withdrawn	Basic rack of cylindrical gears with involute teeth for fine mechanics	
5279	B2422	withdrawn	Dimensions of cylindrical worm; coordination of shaft centre distances and transmission rations of worm drives	
5280	B2423	withdrawn	Helix angles for cylindrical gears	
5281	B2424	withdrawn	Deviations of centre distance and parallelism tolerances for axes of cases for cylindrical gears	
5282	B2425	withdrawn	Basic rack of gear-cutting tools for involute tooth system	
5283	B2426	withdrawn	Accuracy of cylindrical gear teeth; tolerance for errors of tooth trace	
5284	B2427	withdrawn	Addendum modification of spur gears in the 0.5 system, introduction	
5285	B2428	withdrawn	Accuracy of cylindrical gear teeth; tolerance for errors of individual parameters	
*	5287	B2429	1988-10	Head lifting plate of household sewing machines
*	5288	B2430	1990-06	Arm beds of sewing machines for home use
	5289	B2431	1990-06	Shuttles of sewing machines for home use
*	5290	B2432	1988-10	Arm shafts for household sewing machines
*	5291	B2433	1988-10	Oscillating shaft of household sewing machines
*	5292	B2434	1989-09	Needle bars of sewing machines for home use
	5293	B2435	1989-09	Presser bars of sewing machines for home use
	5294	B2436	1988-10	Crank connecting rod of household sewing machines
	5295	B2437	1988-10	Feed lifting rock shaft of household sewing machine
	5296	B2438	1989-09	V type PU belts of sewing machines for home use
	5297	B2439	1990-02	Presser bars of sewing machines for industrial use
	5298	B2440	1984-07	Hose clamps for the lower pressure
	5394	B2441	2016-01	Hooks
	5396	B2442	withdrawn	Filters for hydraulic use

CNS no.	Category no.	Date of	
		Current edition	Title
5398	B2443	1980-04	Clip for wire rope
5399	B2444	withdrawn	Self-locking nuts
5400	B2445	withdrawn	Crease nipple with R1/8
5403	B2446	withdrawn	Non-sparking & explosion gun tools; guard collar for triangle head bolts
5404	B2447	withdrawn	Triangle head bolts (screws) with collar for non-sparking & explosion gun tools
5405	B2448	withdrawn	Triangle nuts for non-sparking & explosion gun tools
5406	B2449	1989-01	Feed rock shafts for household sewing machines
5407	B2450	1989-01	Oscillating rock shafts of household sewing machines
5408	B2451	1989-01	Feed forked connection of household sewing machines
5409	B2452	1989-01	Rotating hooks on horizontal axis of industrial sewing machines
5410	B2453	1989-01	Bobbins of industrial sewing machines
5411	B2454	1989-01	Bobbins cases of industrial sewing machines
5412	B2455	1989-01	Feed dogs of industrial sewing machines
5413	B2456	1989-01	Thread plates of industrial sewing machines
5414	B2457	1989-01	Needle bar connecting studs of industrial sewing machines
5415	B2458	1990-02	Bed slides of sewing machines for industrial use
5488	B2459	withdrawn	Combination of household sewing machines
5489	B2460	1990-02	Rubber hinges of sewing machines for industrial use
5490	B2461	1990-02	Feed bars of sewing machines for industrial use
5491	B2462	1989-04	Presser feet of sewing machines for industrial use
5492	B2463	1989-04	Thread take-up levers (link type) of sewing machines for industrial use
5493	B2464	1989-04	Needle bars of sewing machines for industrial use
5494	B2465	1989-04	Needle bar connecting links of sewing machines for industrial use
5495	B2466	1989-04	Needle clamp bodies of sewing machines for industrial use
5496	B2467	1989-04	Feed lifting rock shaft connecting rods of sewing machines for industrial use
5497	B2468	withdrawn	Feed forked connections for industrial sewing machines
5498	B2469	1985-03	Angular contact ball bearings; non selfretaining single-row
* 5499	B2470	1985-03	Deep Groove Ball Bearings; Double-Row, with Filling Notch
5500	B2471	withdrawn	Radial self-aligning ball bearings, parallel and tapered bore
5501	B2472	withdrawn	Self-aligning ball bearings: Wide inner race, inner race with clamping sleeve
5502	B2473	withdrawn	Cylindrical roller bearings; with ribs on outer ring, single row
5503	B2474	withdrawn	Rolling bearings; tapered roller bearings
5504	B2475	withdrawn	Radial-angular contact ball bearings, single and double-row
5505	B2476	withdrawn	Magneto ball bearings
5507	B2477	withdrawn	Rolling bearings; bearing with spherical outside surface and extended inner ring width, insert bearings
5508	B2478	withdrawn	Rolling bearings; bearings with spherical outside surface and extended inner ring width, steel pressed housings for insert bearings
5509	B2479	withdrawn	Rolling bearings; bearings with spherical outside surface and extended inner ring width, cast housings for insert bearings
5680	B2480	1989-09	Tables of sewing machines for home use
5681	B2481	1989-09	Straight sewing machine heads for home use
5684	B2482	withdrawn	Rolling bearing components; cylindrical rollers
5685	B2483	withdrawn	Rolling bearing components; long rollers.
5686	B2484	withdrawn	Rolling bearing components; needle rollers
5687	B2485	withdrawn	Spherical roller bearings; single row
5688	B2486	withdrawn	Radial, self-aligning spherical roller bearings; double-row
5689	B2487	withdrawn	Needle roller bearings, drawn cup with open ends; drawn cups with closed ends, with cage
5690	B2488	1982-12	Needle roller bearings; thrust needle roller and cage assemblies
5691	B2489	withdrawn	Needle roller bearings; needle roller and cage assemblies
5692	B2490	withdrawn	Rolling bearings; needle roller bearings, with cage; dimension series 48 and 49

		Date of		
CNS no.	Category no.	Current edition	Title	
5693	B2491	withdrawn	Rolling bearings outer ring with needle rollers, and cage assemblies; dimension series 48 and 49	
5699	B2492	withdrawn	Roller bearings for electric traction, separate thrust collars	
5709	B2493	1999-08	Nominal size and bore of valves	
5710	B2494	1980-07	Face-to-face and end-to-end dimensions of gate valves	
5711	B2495	1980-07	Face-to-face and end-to-end dimensions of globe valves	
5712	B2496	1980-07	Face-to-face and end-to-end dimensions of angle valves	
5713	B2497	1980-07	Face-to-face and end-to-end dimensions of check valves	
5714	B2498	1980-07	Face-to-face and end-to-end dimensions of cocks	
5715	B2499	1980-07	Face-to-face and end-to-end dimensions of ball valves	
5716	B2500	1980-07	Face-to-face and end-to-end dimensions of plug valves	
5962	B2501	1985-03	Bronze screwed globe valves (5kgf/cm <sup>2</sup> )	
5963	B2502	1988-07	Bronze screwed globe valves (10kgf/cm <sup>2</sup> )	
5964	B2503	1988-07	Bronze screwed gate valves (5kgf/cm <sup>2</sup> )	
5965	B2504	1988-07	Bronze Screwed Angle Valves (10kgf/cm <sup>2</sup> )	
5966	B2505	1988-07	Bronze screwed gate valves (10kgf/cm <sup>2</sup> )	
5967	B2506	1985-03	Bronze screwed swing check valves (10kgf/cm <sup>2</sup> )	
5968	B2507	1985-03	Bronze screwed lift check valves (10kgf/cm <sup>2</sup> )	
5969	B2508	1985-03	Bronze flanged globe valves (10kgf/cm <sup>2</sup> )	
5970	B2509	1985-03	Bronze flanged angle valves (10kgf/cm <sup>2</sup> )	
5971	B2510	1985-03	Bronze flanged gate valves (10kgf/cm <sup>2</sup> )	
*	5972	B2511	1993-01	Cast iron flanged globe valves ( 10kgf/cm <sup>2</sup> )
	5973	B2512	1993-01	Cast iron flanged angle valves ( 10kgf/cm <sup>2</sup> )
*	5974	B2513	1993-01	Cast iron flanged swing check valves ( 10kgf/cm <sup>2</sup> )
	6000	B2514	1989-09	Hinges and locks of sewing machine tables for home use
	6001	B2515	withdrawn	LS 1 low speed sewing machine heads for industrial use
	6002	B2516	withdrawn	Tooth belts for sewing machines
	6003	B2517	withdrawn	Tooth belt pulleys for sewing machine
	6312	B2518	withdrawn	Roller bearings for electric traction, felt ring and felt ring grooves
	6407	B2519	withdrawn	Calculation of load capacity for cylindrical and bevel gears-load sharing factor $\gamma \epsilon$ and overlap ratio $\epsilon \beta$
	6408	B2520	withdrawn	Calculation of load capacity for cylindrical and bevel gears-zone factor $Z_H$
	6409	B2521	withdrawn	Calculation of load capacity for cylindrical and bevel gears-material factor $Z_M$
	6410	B2522	withdrawn	Calculation of load capacity for cylindrical and bevel gears-pinion single tooth contact factor $Z_B$ wheel single tooth contact factor $Z_D$ and transverse contact ratio $\epsilon_\alpha$
	6411	B2523	withdrawn	Calculation of load capacity for cylindrical and bevel gears-contact ratio factor $Z_\epsilon$
	6412	B2524	withdrawn	Calculation of load capacity for cylindrical and bevel gears-helix angle factor $\gamma_\beta$
	6413	B2525	withdrawn	Calculation of load capacity of gears; examples
	6414	B2526	1984-08	Basic rack of straight bevel gears for general and heavy engineering
	6415	B2527	1984-08	Series of modules for straight bevel gears
	6420	B2528	withdrawn	Lubricating nipples, hydraulic type, with metric thread
	6421	B2529	withdrawn	Lubricating nipples, hydraulic type with whitworthpipe-thread
	6644	B2530	1996-11	Laminated springs;leaf springs for railway rolling stock
	6732	B2531	withdrawn	Roller chain shaft couplings
	6736	B2532	withdrawn	12.5 mm $\psi$ chain component
	6741	B2533	withdrawn	Rubber Hose Coupling for Gas Welding and Cutting Torches
	6875	B2534	withdrawn	Hose couplings and hose joints for sprayer
*	6882	B2535	1982-09	Cast steel flanged globe valves (10 kgf/cm <sup>2</sup> )
	6883	B2536	1982-09	Cast steel flanged angle valves (10 kgf/cm <sup>2</sup> )
*	6884	B2537	1982-09	Cast steel flanged gate valves (10 kgf/cm <sup>2</sup> )(outside screw type)
*	6885	B2538	1992-07	Cast steel flanged swing check valves(10 kgf/cm <sup>2</sup> )
*	6886	B2539	1982-09	Cast Steel Flanged Globe Valve (20 kgf/cm <sup>2</sup> )
	7005	B2540	1996-11	Torsion bar springs

		Date of		
CNS no.	Category no.	Current edition	Title	
7104	B2541	withdrawn	Cylindrical roller bearings with lipped inner ring single-row type	
7105	B2542	withdrawn	Cylindrical roller bearings, with taper bore 1:12, with snap ring groove	
7106	B2543	withdrawn	Cylindrical roller bearings, with lipped outer race, with lipped inner race, double-row type	
7107	B2544	withdrawn	Needle roller bearings, outer races with cage and rollers	
7108	B2545	withdrawn	Long roller bearing – Roller cage assemblies	
7109	B2546	withdrawn	Spherical plain bearings, rod ends; general plan for boundary dimensions	
7110	B2547	withdrawn	Cylindrical roller bearings, with parallel bore, snap ring groove	
7111	B2548	withdrawn	Cylindrical roller bearings; outer races with cage and rollers	
7112	B2549	withdrawn	Cylindrical roller bearings, inner race with cage and rollers	
7113	B2550	1982-09	Cast steel flanged angle valves (20 kgf/cm <sup>2</sup> )	
*	7114	B2551	1982-09	Cast Steel Flanged Gate Valves (20 kgf/cm <sup>2</sup> ) (Outside Screw Type)
*	7115	B2552	1982-09	Cast Steel Flanged Swing Check Valves (20 kgf/cm <sup>2</sup> )
7116	B2553	withdrawn	Screwed bronze plug cocks	
7117	B2554	withdrawn	Screwed bronze gland cocks	
7118	B2555	withdrawn	Pressure rating for ferrous material pipe flanges	
7119	B2556	withdrawn	Dimensions for pipe flange facing	
7188	B2557	withdrawn	Remote control gear with transmission tubing for manual operation crown gear units, slewable	
7189	B2558	withdrawn	Remote control gear with transmission tubing for manual operation; bevel gear units	
7337	B2559	1981-05	Round Head Rivets, Nominal Diameters 10 to 36 mm	
7338	B2560	1981-05	Countersunk Head Rivets, Nominal Diameters 10 to 36 mm	
7339	B2561	1981-05	Round Head Rivets; Nominal Diameters 1 to 8 mm	
7340	B2562	1981-05	Countersunk Head Rivets, Nominal Diameters 1 to 8 mm	
7551	B2563	withdrawn	Knife section for agricultural binders and rice combines	
7552	B2564	withdrawn	Bush cutter saws	
7553	B2565	1988-07	Slip-on Welding Steel Pipe Flanges (5 kgf/cm <sup>2</sup> )	
7554	B2566	1988-07	Slip-on Welding Steel Pipe Flanges (10 kgf/cm <sup>2</sup> )	
7555	B2567	1988-07	Slip-on Welding Steel Pipe Flanges (16 kgf/cm <sup>2</sup> )	
7556	B2568	1988-07	Slip-on Welding Steel Pipe Flanges (20 kgf/cm <sup>2</sup> )	
7557	B2569	1988-07	Slip-on Welding Steel Pipe Flanges (30 kgf/cm <sup>2</sup> )	
7558	B2570	1988-08	Welding-Neck Steel Pipe Flanges (30 kgf/cm <sup>2</sup> )	
7559	B2571	1981-06	Basic Dimensions of Copper Alloy Pipe Flanges	
7560	B2572	withdrawn	Vacuum flanges	
7561	B2573	withdrawn	Socket welding pipe flanges for 210 kgf/cm <sup>2</sup> hydraulic use	
7562	B2574	withdrawn	Mushroom head rivets, nominal diameters 1.6 to 6 mm	
7563	B2575	1981-06	Flat Round Head Rivets; Nominal Diameters 1.4 to 6 mm	
7564	B2576	1981-06	Flat Countersunk Head Rivets; Nominal Diameters 3 to 5 mm	
7565	B2577	withdrawn	Forming end of rivet setting	
7566	B2578	withdrawn	Rivet sets	
7567	B2579	1981-06	Semi - Tubular Pan Head Rivets; Nominal Diameters 1.6 to 10 mm	
7568	B2580	1981-06	Semi - tubular Countersunk Head Rivets; Nominal Diameters 1.6 to 10mm	
7569	B2581	1981-06	Compression Rivets	
7570	B2582	1981-06	Rivets for Brake and Clutch Lining	
7571	B2583	1981-06	Tubular Rivets Drawn From Strip	
7581	B2584	withdrawn	Lubricating nipples, ball type	
7582	B2585	withdrawn	Lubricating nipples, flat type	
7583	B2586	withdrawn	Lubricating nipples, funnel-type	
7584	B2587	withdrawn	Remote control gear with transmission tubing for manual operation; bearings	
7585	B2588	withdrawn	Remote control gear with transmission tubing for manual operation; lengthening for spindles of armatures	
7586	B2589	withdrawn	Remote control gear with transmission tubing for manual operation; protecting hoods; for crown gear units, slewable	
7587	B2590	withdrawn	Remote control gear with transmission tubing for manual operation;	

CNS no.	Category no.	Date of		Title
		Current edition		
				holder for transmission tubing
7588	B2591	withdrawn		Remote control gear with transmission tubing for manual operation; deck operating devices, welding-in type
7589	B2592	withdrawn		Remote control gear with transmission tubing for manual operation; deck operating devices with slewable crown gear unit, welding-in type
7593	B2593	withdrawn		Helical springs made of round wire; dimensions for cold coiled compression springs of less than 0.5 mm wire diameter
7594	B2594	withdrawn		Helical springs made of round wire; dimensions for cold coiled compression springs with wire diameter from 0.5 mm up wards
7595	B2595	withdrawn		Quality specification for cold coiled helical tension spring; made of round wire
7596	B2596	withdrawn		Quality specification for cold coiled compression springs made of round wire
7853	B2597	withdrawn		Disc springs – dimensions and quality properties
7855	B2598	withdrawn		Helical compression springs made of round rod; Quality requirements for mass production
	B2599	withdrawn		Center bolts for laminated (leaf) springs
* 7861	B2600	withdrawn		Alignment clips for laminated (leaf) springs
* 7862	B2601	1981-09		Ends of Laminated Springs for Rail Vehicles
* 7863	B2602	withdrawn		Dimple for laminated springs
* 7864	B2603	withdrawn		Laminated spring; Spring link washer bearing plates for spring suspension
* 7865	B2604	withdrawn		Laminated springs; spring link washers and intermediate spring link washers for spring suspension
	B2605	withdrawn		Spiral springs for electrical measuring instruments
7867	B2606	withdrawn		Industrial trucks speed up to 20 km/h; rubberboned-springs for axles of handcarts and trailers
7940	B2607	withdrawn		Round steel link chains for conveyors, long link
7941	B2608	withdrawn		Round-steel link chains for conveyors, chain-ends for bucket conveyors, half long link
7944	B2609	withdrawn		Elbow, flared and bulkhead universal, 90°, precision type
7945	B2610	withdrawn		Union, flared tube, precision type
7948	B2611	withdrawn		Radial cylindrical roller bearings; roller and outer ring assembly, type E
7949	B2612	withdrawn		Double row cylindrical roller bearings; full type roller bearing; dimensions series 48 and 49
7950	B2613	withdrawn		Cylindrical roller bearings; separat thrust collar; E type
7951	B2614	withdrawn		Hydraulic cylinder
7953	B2615	withdrawn		Bladder type accumulators for oil hydraulic use
8085	B2616	withdrawn		One way faucets (vertical type) (replaced by CNS 8088)
* 8086	B2617	withdrawn		Angle valves for water system
	B2618	withdrawn		One way faucets (long shank type)
* 8088	B2619	2015-11		Faucets, ball taps and flush valves
* 8089	B2620	1995-05		Drain Traps (Without Clean Cap)
	B2621	withdrawn		Drain Trap (S Type)
	B2622	withdrawn		Push and Pull Drain Trap (P Type)
8095	B2623	withdrawn		Deep groove thrust ball bearings: single thrust, with aligning seat and housing washer with aligning seat
8096	B2624	withdrawn		Deep groove thrust ball bearings: double-thrust with flat seatings
8097	B2625	withdrawn		Deep groove thrust ball bearings: double-thrust with aligning seat and housing washer with aligning seat
8098	B2626	withdrawn		Self-aligning thrust roller bearings; single-thrust, with symmetric rollers
8099	B2627	withdrawn		Self-aligning thrust roller bearings; single-thrust, with asymmetric rollers
8100	B2628	withdrawn		Deep groove full type thrust ball bearings; single-thrust, with retaining shield.(no cage)
8101	B2629	withdrawn		Thrust cylindrical roller bearings; single direction

CNS no.	Category no.	Date of		Title
		Current edition		
8192	B2630	withdrawn		Cylindrical shaft ends for the machine-building industry
8193	B2631	withdrawn		Parallel keys for machine tools, dimension and application
8202	B2632	withdrawn		Finger liners for agricultural binders and rice combines
8203	B2633	1982-01		Connecting - Pins for Agricultural Tractors
8204	B2634	1999-04		Deep groove ball bearings single-row without filling notch,with tapered bore
8205	B2635	1999-04		Deep groove ball bearings single-row without filling notch,with ring groove
8206	B2636	1999-04		Deep groove ball bearings single-row without filling notch,with sealing discs
8207	B2637	withdrawn		Deep groove ball bearings, single-row without filling notch, with shields
8208	B2638	withdrawn		Flange-mounted bearings; fastened with 2 screws
8209	B2639	withdrawn		Flanged bearings; fastened with 4 screws
8210	B2640	withdrawn		Eye-mounted bearings
8211	B2641	withdrawn		Split bearings; fastened with 2 screws
8212	B2642	withdrawn		Split bearings; fastened with 4 screws
8213	B2643	withdrawn		Wrapped bushes for plain bearings, sizes
8215	B2644	withdrawn		Steering bearings for motorcycles
8354	B2645	withdrawn		Tubular rivets cut from the tube
8472	B2646	1982-02		Rolling Key Clutches for Mechanical Press
8557	B2647	withdrawn		Remoting control gear with transmission tubing for manual operation; Technical delivery specification details for construction
8652	B2648	1982-04		Centers for machine tools
8653	B2649	1982-04		Live Centers
8654	B2650	1982-04		Independent Chucks
8655	B2651	withdrawn		Permanent magnetic chucks(rectangular type)
8656	B2652	1982-04		Permanent Magnetic Chucks(Circular Type)
8769	B2653	withdrawn		Wrapped bushes for plain bearings, lubricating - holes, grooves, indentations
8770	B2654	1982-05		Wrapped Bushes for Plain Bearings, Materials
8772	B2655	withdrawn		Spring – Type straight pine(roll pins), heavy type
8773	B2656	1982-05		Spring - Type Straight Pins(Roll Pins) Light - weight Type
8774	B2657	1982-05		Double Wing Type Spring Knob
8775	B2658	1982-05		Single Wing Type Spring Knob
8776	B2659	withdrawn		Taper pins with thread and constant taper length
8777	B2660	withdrawn		Taper pins with thread and constant threaded part
8778	B2661	1982-05		Taper Pins with Internal Thread
8779	B2662	withdrawn		Parallel pins with internal thread
8920	B2663	withdrawn		Tension bush for external application
8921	B2664	withdrawn		Tension bush for internal application
8922	B2665	1982-06		Driving Elements, Bushes for Plain Bearings
8923	B2666	1982-06		Antifriction Metal Linings for Plain Bearings
8924	B2667	1982-06		Pipe Connector
8925	B2668	1982-06		Grooved Pins, Half Length Grooved with Gorge
8926	B2669	withdrawn		Grooved pins, full length parallel grooved with pilot
8927	B2670	withdrawn		Geooved pins, full length taper grooved
8928	B2671	withdrawn		Grooved pins, half length taper grooved
8929	B2672	withdrawn		Plates and keys for spring buckles of rail vehicles
8930	B2673	withdrawn		Switchgears, contact – Spring washers
8931	B2674	1982-06		Agricultural Machinery; Laminated Leaf Spring for Trailers
8932	B2675	withdrawn		Spring pins for wrist – Watches
* 8934	B2676	1982-06		Brake cable for bicycle
9062	B2677	1982-07		Pedestal Plain Bearings; Assembly, Housing
9063	B2678	withdrawn		Pedestal plain bearings; bearing shells
9064	B2679	1982-07		Pedestal Plain Bearings; Oil Rings
9065	B2680	withdrawn		Pedestal plain bearings; seals, sealing flanges companion dimensions

CNS no.	Category no.	Date of		Title
		Current edition		
9066	B2681	withdrawn		Plain thrust bearings; tilting pad thrust bearings; boundary dimensions
9067	B2682	withdrawn		Plain thrust bearings; ring thrust bearings; boundary dimensions
9072	B2683	1996-11		Snap Rings for Bearings with Ring Groove
9073	B2684	1996-11		Disc Springs
9074	B2685	1998-06		Retaining rings-C type
9075	B2686	1998-06		Retaining rings-uniform section C type
9076	B2687	1996-11		Retaining Rings-E Type
9215	B2688	withdrawn		Grooved pins, full length parallel grooved with chamfer
9216	B2689	withdrawn		Grooved pins, half length reverse grooved
9217	B2690	withdrawn		Grooved pins, third length center grooved
9218	B2691	withdrawn		Round head grooved pins
9219	B2692	withdrawn		Countersunk head grooved pins
9220	B2693	1982-08		Pedestal Slide Bearings
9221	B2694	withdrawn		Ring lubricating pedestal slide bearings; G type
9224	B2695	1982-08		Saw Blades for Woodworking, Technical Conditions of Delivery for Bandsaw Blades
9225	B2696	1982-08		Saw Blades for Woodworking; Technical Conditions of Delivery for Circular Saw Blades of Tool Steel
9226	B2697	1982-08		Woodworking Hollow Saw Blades; Technical Conditions of Delivery
9227	B2698	1982-08		Woodworking Saw Blades; Technical Specifications for Hand Saw Blades
9337	B2699	1982-09		Felt Ring; for Rolling Bearing Housing
9338	B2700	1982-09		Felt Strip for Rolling Bearing Housing
9340	B2701	withdrawn		Roller
9341	B2702	1985-04		Oil Seals
9343	B2703	1982-09		Hand Platform Truck
9344	B2704	1982-09		Bodies for Hand Platform Truck
9345	B2705	1982-09		Wheels for Hand Platform Truck
9346	B2706	1982-09		Wheel Supports for Hand Platform Truck
9348	B2707	withdrawn		Bushes for plain bearings made from sintered material
9349	B2708	withdrawn		Bushes for plain bearings made from copper alloys, solid
9350	B2709	withdrawn		Bushes for plain bearings with lubrication holes and grooves
9351	B2710	withdrawn		Bushes for plain bearings made of artificial carbon
9352	B2711	withdrawn		Bushes for plain bearings made from dura plastics
9354	B2712	withdrawn		Bushes for plain bearings, Press bushes made from thermoplastics
9557	B2713	2005-03		Round-steel link chains for general purposes and hoisting equipments, chain in fixed length, short linked
9558	B2714	2005-03		Round-steel link chains for hoisting equipments, calibrated, tested, short linked
9559	B2715	2006-02		Round-steel link chains for lifting - Grade 5
9560	B2716	2006-02		Round-steel link chains for lifting - Grade 6
9561	B2717	2006-02		Round-steel link chains for lifting - Grade 8
9567	B2718	withdrawn		Withdrawal sleeves for rolling bearings
9568	B2719	withdrawn		Adapter sleeves for rolling bearings
9569	B2720	withdrawn		Rolling bearings accessories; lockwashers
9570	B2721	withdrawn		Thrust rings with keyway; dimensions
9571	B2722	withdrawn		Thrust rings with pin holes; dimensions
9668	B2723	1988-04		Slotted Oval Fillister Head Machine Screws
9669	B2724	1988-04		Slotted oval pan head machine screws
9670	B2725	1988-04		Slotted Flat Fillister Head Machine Screws
9671	B2726	1988-04		Slotted Round Head Machine Screws
9672	B2727	1988-04		Slotted Truss(or Mushroom) Head Machine Screws
9673	B2728	1988-04		Slotted binding (or oval cheese) head machine screws
9674	B2729	1988-04		Cross-recessed binding (or cheese) head machine screws
9675	B2730	1988-04		Cross-Recessed Truss (or Mushroom) Head Machine Screws
9676	B2731	1988-04		Cross-Recessed Round Head Machine Screws
9677	B2732	1988-04		Cross-Recessed (Oval) Pan Head Machine Screws

		Date of		
CNS no.	Category no.	Current edition	Title	
9678	B2733	withdrawn	Slotted countersunk head machine screws for precision instruments	
9679	B2734	withdrawn	Slotted raised countersunk head machine screws for precision instruments	
9680	B2735	withdrawn	Slotted pan head machine screws for precision instruments	
9681	B2736	withdrawn	Slotted raised pan head machine screws for precision instruments	
9786	B2737	1983-10	Ball Screws for General Use	
9787	B2738	1983-10	Precision Ball Screws	
*	9804	B2739	1987-03	Brass Screwed Swing Check Valves(8.5 kgf/cm <sup>2</sup> )
*	9805	B2740	1991-04	Brass Screwed Gate Valves( 8.5 kgf/cm <sup>2</sup> )
9806	B2741	1983-01	Needles of Sewing Machines for Industrial Use	
9969	B2742	2012-09	Safety devices for protection against excessive pressure — Part 1: Safety valves	
9969-7	B2742-7	2018-06	Safety devices for protection against excessive pressure P– art 7: Common data	
9970	B2743	1983-02	Gage Glasses for Boilers	
9971	B2744	1983-02	Water Gages for Boliers-Reflex Type	
9972	B2745	1983-02	Water Gages for Boilers-Transparent Type	
9973	B2746	1983-02	Water Gages for Boilers-with 10kgf/cm <sup>2</sup> Cocks Tubular Type	
9974	B2747	1983-02	Water Gages for Boilers-with 10 kgf/cm <sup>2</sup> Valves Tubular Type	
10303	B2748	withdrawn	Nut, coupling	
10304	B2749	withdrawn	Sleeve, flared tube fitting	
10305	B2750	withdrawn	Flared tubing end	
10421	B2751	withdrawn	Clamp, loop-steel, plain and cushioned	
10489	B2752	2003-01	O-rings	
10592	B2753	withdrawn	Buoy chains	
10593	B2754	withdrawn	Buoy chains shackles, swivels, swivel hooks	
10683	B2755	withdrawn	Round steel chains without quality requirements	
10684	B2756	withdrawn	Knotted link chains without quality requirements	
10735	B2757	1984-01	Plastic rims for bicycles	
10736	B2758	1984-01	Scroll Chucks	
10737	B2759	1984-01	Universal Dividing Heads and Simple Dividing Heads	
10738	B2760	1984-01	Rotary Indexing Tables (Horizontal Type)	
10739	B2761	1984-01	Rotary Indexing Tables (Oblique Type)	
10792	B2762	withdrawn	Metric tapered external screw threads with mating parallel internal screw threads (Nominal dimensions and permissible deviations)	
*	11088	B2763	1989-04	Bronze Screwed Swing Check Valves (8.5 kgf/cm <sup>2</sup> )
*	11089	B2764	1991-10	Bronze screwed gate valves (15 kgf/cm <sup>2</sup> )
	11090	B2765	1997-10	Bronze screwed pulse gate valves (8.5kgf/cm <sup>2</sup> )
	11156	B2766	withdrawn	Grease guns-dimensions of grease cartridges for lever hand guns
	11157	B2767	withdrawn	Lubrication holes, grooves and bore reliefs
	11328	B2768	1985-08	Sets of high strength hexagon bolt, hexagon nut and plain washers for friction grip joints
	11355	B2769	1998-12	Bronze screwed ball valves (10 kgf/cm <sup>2</sup> )
	11612	B2770	1986-06	Mechanical grooved pipe coupling
	11931	B2771	withdrawn	Ejector sleeves of molds for plastics
	11932	B2772	withdrawn	Angle pins of molds for plastics
	11933	B2773	withdrawn	Ejector guide pins of molds for plastics
	11934	B2774	withdrawn	Stop bolts of molds for plastics
	11935	B2775	withdrawn	Supporter of molds for plastics
	11936	B2776	withdrawn	Stop pins of molds for plastics
	11937	B2777	withdrawn	Runner pull pins of molds for plastics
	11938	B2778	withdrawn	Sprue puller of molds for plastics
	11939	B2779	withdrawn	Setting plugs of molds for plastics
	11940	B2780	1987-05	Standard parts of injection mold
	12068	B2781	withdrawn	Support of die casting molds
	12069	B2782	withdrawn	Ejector rod of die casting molds
	12070	B2783	withdrawn	Ejectorplate guide pin of die casting molds
	12071	B2784	withdrawn	Angle pin of die casting molds



Date of			
CNS no.	Category no.	Current edition	Title
12072	B2785	withdrawn	Locating pin of die casting molds
12073	B2786	withdrawn	Die materials of hot forging closed die
12074	B2787	withdrawn	Flash cavity of hot forging closed die
12075	B2788	withdrawn	Minimum wall thickness and height for different cross sections of hot forging closed die
12076	B2789	withdrawn	Die wear tolerance for hot forging closed die
12077	B2790	withdrawn	Minimum rounded radii and drafts of hot forging closed die
*	12209	B2791	1988-01 Sets of High Strength Torque Control Bolt, Hexagon Nut and Plain Washers
12243	B2792	1988-04	Pilots for Stamping Work
12434	B2793	1988-10	Zig-zag Lock Stitch Sewing Machines
12515	B2794	1989-05	Sintered Bronze Bearings (Self-lubricating)
12516	B2795	1989-05	Sintered Iron Base Bearings (Self-lubricating)
12517	B2796	1989-05	Sintered Aeronautical Bearings (Self-lubricating)
12606	B2797	1991-10	Spiral-Wound Gaskets for Pipe Flanges
*	12741	B2798	1995-01 Butterfly Valves for Water Works (Short Body Type)
*	12742	B2799	1997-05 Butterfly valves for water works (Long body type)
*	12743	B2800	1995-02 Butterfly Valves for Water Works (Wafer Type)
12744	B2801	1998-12	Water - Type rubber - Seated butterfly valves
12756	B2802	1990-08	Screw Threads for Sewing Machines
12795	B2803	1993-05	Resilient - Seated Gate Valves For Water Works
*	12848	B2804	1991-04 Nodular Graphite Iron Screwed Globe Valves ( 10 kgf/cm <sup>2</sup> )
*	12849	B2805	1991-04 Nodular Graphite Iron Flanged Globe Valves ( 10 kgf/cm <sup>2</sup> )
*	12850	B2806	1991-04 Nodular Graphite Iron Flanged Lift Check Valves ( 10 kgf/cm <sup>2</sup> )
*	12851	B2807	1991-04 Nodular Graphite Iron Screwed Lift Check Valves( 10 kgf/cm <sup>2</sup> )
12895	B2808	1991-08	Rubber Hose Connections for Welding and Cutting Equipment
13330	B2809	1993-12	Dynamo Lamp for Bicycles
13287	B2810	2013-09	Dynamo lamps for bicycles
14645	B2811	2002-06	Light gauge stainless steel pipe fittings for ordinary piping
15557	B2812	2012-09	Lighting equipment for bicycles
15564-4	B2813-4	2012-09	ISO general purpose metric screw threads - Tolerances - Part 4: Limits of sizes for hot-dip galvanized external screw threads to mate with internal screw threads tapped with tolerance position H or G
15564-5	B2813-5	2012-10	ISO general purpose metric screw threads – Tolerances – Part 5: Limits of sizes for internal screw threads to mate with hot-dip galvanized external screw threads with maximum size of tolerance
15590-5	B2814-5	2014-07	Mechanical properties of fasteners made of carbon steel and alloy steel - Part 5: Set screws and similar threaded fasteners with specified hardness classes - Coarse thread and fine pitch thread
15590-7	B2814-7	2012-11	Mechanical properties of fasteners – Part 7: Torsional test and minimum torques for bolts and screws with nominal diameters 1 mm to 10 mm
15725	B2815	2014-06	Belt drives - Pulleys for V-belts (system based on datum width) - Geometrical inspection of grooves
15745	B2816	2014-09	Screw threads used to assemble head fittings on bicycle forks
15788	B2817	2015-03	Marking of cycle components
15890	B2818	2016-06	Cycles - Screw threads used in bottom bracket assemblies
15891	B2819	2016-06	Cycles - Screw threads used to assemble freewheels on bicycle hubs
15892	B2820	2016-06	Cycles - Stem wedge angle
15893	B2821	2016-06	Bicycles - Derailleur
15894	B2822	2016-06	Bicycles - Chain adjusters and crank cotter pins
15928	B2823	2016-09	Hexagon high nuts (style 2) - Product grades A and B
15976	B2824	2017-05	Building hardware – Padlocks and padlock fittings – Requirements and test methods
16030	B2825	2018-04	Bands of rubber hoses for gas
21630	B2826	2018-06	Pumps – Testing – Submersible mixers for wastewater and similar applications

CNS no.	Category no.	Date of		Title
		Current edition		
16070-1	B2827-1	2018-09		Cycles – Lighting and retro-reflective devices – Part 1: Lighting and light signalling devices
16070-2	B2827-2	2018-09		Cycles – Lighting and retro-reflective devices – Part 2: Retro-reflective devices
16070-3	B2827-3	2018-09		Cycles – Lighting and retro-reflective devices – Part 3: Installation and use of lighting and retro-reflective devices
16070-4	B2827-4	2018-09		Cycles – Lighting and retro-reflective devices – Part 4: Lighting systems powered by the cycle's movement
16070-5	B2827-5	2018-09		Cycles – Lighting and retro-reflective devices – Part 5: Lighting systems not powered by the cycle's movement
16191-3	B2828-3	2022-12		Fasteners – Surface discontinuities – Part 3: Bolts, screws and studs for special requirements

## Tools

*	65	B3001	1998-02	Assembly tools for screws and nuts-Wrench and socket openings
	66	B3002	1972-06	Square heads and holes (for shaft, hand wheel and handles)
	67	B3003	1980-08	Dimensions of driving squares and shanks for rotating tools
	72	B3004	1972-06	Taper sleeve wedge (for CNS125)
	76	B3005	1982-03	Knurling wheels
	123	B3006	1972-06	Metric taper for tools 9-200 (with flat end)
	124	B3007	1972-06	Metric taper for tools 4-200 (without flat end)
	125	B3008	1972-06	Morse taper for tools 0-6, metric taper 80-200 (with flat end)
	126	B3009	1980-08	Machine Tapers; Morse Tapers and Metric Tapers, Taper Shanks
	131	B3010	1972-06	Tail spindle (using morse taper 0-6 metric taper 4, 6, 80-120, without flat end)
	132	B3011	1947-03	Tail spindle (using metric taper 4-140)
	133	B3012	2004-04	Assembly tools for screws and nuts-Single-head open jaw engineers wrenches,test torques series D;punched
	134	B3013	2004-04	Assembly tools for screws and nuts-Single-head open jaw engineers wrenches,test torques series D;forged
	135	B3014	2004-04	Assembly tools for screws and nuts-Double-head open-ended engineers wrenches
	136	B3015	withdrawn	Assembly tools for screws and nuts-Double-head openended engineers wrenches,test torques series D;Forged (→CNS 1 3 5 )
	137	B3016	withdrawn	Assembly tools for screws and nuts-Double-head openended engineers wrenches,test torques series D;Punched (→CNS 1 3 5 )
	138	B3017	2004-04	Assembly tools for screws and nuts-Stugging wrenches,open end,test torques series B
*	139	B3018	1964-07	Wrench, socket-headed (wrench opening ranging from 8 to 36 mm)
*	140	B3019	1964-07	Wrench, socket-headed (wrench opening ranging from 41 to 145 mm)
*	141	B3020	1964-07	Wrench, S-handle (for pipe fitting)
*	142	B3021	1998-04	Assembly tools for screws and nuts - Single-head box wrenches,test torque series A
*	143	B3022	1980-07	Assembly tools for screws and nuts-box (ring) wrench, single end, square, test torques series A
	144	B3023	withdrawn	Screw Drive (Round Shank, with Handle) (→CNS 4 8 1 6 、 4 8 1 7 )
	145	B3024	withdrawn	Double-bit screw driver
	149	B3025	1947-03	Fillet and chamfer
	163	B3026	1947-03	Keys in general
	164	B3027	1983-05	Inserted taper keys
*	165	B3028	1983-05	Flat taper keys
	166	B3029	1983-05	Saddle keys
	167	B3030	1983-05	Double tangential keys
	168	B3031	1983-05	Tangential key for impact type reversal load

		Date of		
CNS no.	Category no.	Current edition	Title	
169	B3032	1983-05	Flat fitting keys and sliding cotter	
170	B3033	1983-05	Flat fitting keys (for thin hub)	
171	B3034	1983-08	Screw and hole for sliding key	
172	B3035	1983-08	Woodruff keys	
173	B3036	1983-08	Key section and tolerance (cold drawing)	
177	B3037	1983-08	Flat fitted key and its seat (for cylindrical shaft end)	
178	B3038	1983-08	Flat fitted keys and its seat (for taper shaft end)	
*	209	B3039	1990-10 Long drills with square taper shank	
*	210	B3040	1990-10 Short drills with square taper shank	
	212	B3041	1980-09 Parallel Shank Twist Drills, Jobber Series	
*	213	B3042	1990-10 Stub drills with straight shank and tenon drive	
*	214	B3043	1990-10 Long drills with straight shank	
*	215	B3044	1990-10 Long drills with straight shank and tenon drive	
	216	B3045	1991-01 Morse taper shank drills	
*	218	B3046	1991-01 Counter-borer drill with Morse taper shank	
*	219	B3047	1991-01 Counter-borer drill with straight shank	
*	220	B3048	1953-02 Twist drill, with large Morse taper shank, 26mm	
*	221	B3049	1991-01 Large Morse taper shank drills	
*	222	B3050	1953-02 Twist drill with square taper shank (horizontal type)	
*	223	B3051	1953-02 Pointing drill for center hole	
	225	B3052	1980-08 Shell drills (shell counterborer) of high speed steel	
*	226	B3053	1979-01 60° center drills, radius form	
*	227	B3054	1979-01 60° center drills, straight form	
*	228	B3055	1979-01 60° center drills, straight form with conical protective chamfer	
	229	B3056	1980-09 Countersinks 60°	
	230	B3057	1980-09 Countersinks 90°	
	231	B3058	1980-12 Countersinks 120°	
*	232	B3059	1953-02 Countersink drill 30°	
*	233	B3060	1953-02 Counter sink drill, with Whitworth tapping hole	
*	234	B3061	1953-02 Counter-boring drill	
*	235	B3062	1953-02 Tapping Countersink Drill, with Metric Tapping Hole	
*	236	B3063	1953-02 Countersink drill 75°	
	238	B3064	1981-03 Machine Reamers for Morse Tapers	
	239	B3065	1981-03 Machine reamers for metric tapers	
	240	B3066	1980-08 Hand reamers	
	241	B3067	1952-09 Adjustable hand reamer	
	242	B3068	1952-09 Machine reamer, with Morse taper shank	
	243	B3069	1980-08 Machine reamers with insert blades	
	244	B3070	1952-09 Adjustable machine reamer with Morse taper shank	
	245	B3071	1952-09 Adjustable machine reamer without chamfer, with Morse taper shank	
	246	B3072	1980-08 Machine-Reamers with Parallel Shanks	
	247	B3073	1952-09 Machine reamer, with square head	
	248	B3074	1952-09 Insert-teeth machine reamer, with square head	
	249	B3075	1952-09 Adjustable machine reamer, with square head	
	250	B3076	1952-09 Adjustable machine reamer without chamfer, with square head	
	251	B3077	1952-09 Adapter (Countersink Drill and Reamer, with Morse Taper Shank)	
	252	B3078	1952-09 Adapter (Countersink Drill and Reamer, with Square Head)	
	253	B3079	1952-09 Shell type reamer	
	254	B3080	1980-08 Shell Reamers with Insert Blades	
	255	B3081	1952-09 Adjustable reamer, without chamfer	
	256	B3082	1981-03 Machine Bridge Reamers with Morse Tapers	
	257	B3083	1952-09 Boiler rivet hole reamer, with square head	
	258	B3084	1952-09 Ring gauge for reamer	
	259	B3085	1952-09 Hand reamer	
	301	B3086	1953-07 Hand Tap, Whitworth	
*	302	B3087	1953-07 Hand tap, metric	
*	303	B3088	1953-07 Illustration specification of metric taps	
*	304	B3089	1953-07 Hand taps, metric (two pieces per set)	

		Date of		
CNS no.	Category no.	Current edition	Title	
*	305	B3090	1953-07	Hand taps for whitworth pipe threads
*	306	B3091	1953-07	Whitworth Taps for Hole, Cylindrical Shank and Square Head
*	307	B3092	1953-07	Metric taps for hole, cylindrical shank and square head
*	308	B3093	1953-07	Taps for Whitworth Threading Dies
*	309	B3094	1953-07	Taps for metric threading dies
*	310	B3095	1953-07	Tap for Whitworth pipe threading dies
	311	B3096	1953-07	Tap wrench
	312	B3097	1953-07	Tap adapter
*	313	B3098	1953-07	Guide Tap for Whitworth Thread, Machine Operated
*	314	B3099	1953-07	Guide Tap for Metric Thread, Machine Operated
*	315	B3100	1953-07	Guide Tap for Whitworth Pipe Thread, Machine Operated
	319	B3101	1980-03	Fixed Machine Handles
	320	B3102	1980-03	Revolving Machine Handles
	321	B3103	1979-11	Clamping Levers
	322	B3104	1954-07	Hand Crank, Curved
	323	B3105	1954-07	Hand Crank, Straight
	324	B3106	1954-07	Fixed handle (taper form)
	325	B3107	1954-07	Rotable Handle (Taper Form)
	326	B3108	1954-07	Wrench lever with elliptical handle
	327	B3109	1954-07	Two-way wrench lever with elliptical handle
	328	B3110	1954-07	Straight wrench lever
	329	B3111	1954-07	Wooden Handle for File
*	540	B3112	1997-03	Square shovels
*	541	B3113	1997-03	Shovels with point end
	542	B3114	1981-11	Shank of steel shovels
	1014	B3115	1981-11	Picks, illustration for terms of parts
	1015	B3116	1981-11	Picks, two conical ends
	1016	B3117	1981-11	Picks, one flat end and one taper end
	1017	B3118	1981-11	Picks, two taper ends
	1018	B3119	1981-11	Picks (single), one taper end and one hammershaped end
	1019	B3120	1981-11	Picks (single), one taper end only
	1020	B3121	1981-11	Picks (single), one dove-tail shaped end only
	1021	B3122	1981-11	Picks, one taper end and one steel crow end
	1022	B3123	1981-11	Picks, one conical end and one flat end
	1023	B3124	1981-11	Wooden handle of picks
	1025	B3125	1983-03	Hand hammer, dove-tail shaped
	1026	B3126	2013-02	Hand hammers
*	1027	B3127	2013-02	Hand nail lifters
*	1051	B3128	1959-09	Flat head wood screws
*	1052	B3129	1959-09	Pan-head wood screws
*	1053	B3130	1959-09	Oval head wood screws
*	1054	B3131	1987-10	Hexagon head wood screws
	1096	B3132	1992-03	Hand saws for carpenter( general )
	1097	B3133	1992-03	Board saws for carpenter
	1098	B3134	1992-03	Lumbar saws for carpenter
	1099	B3135	1992-03	Double-bladed saws for carpenter
	1100	B3136	1992-03	Fishhead saws for carpenter
*	1101	B3137	1992-03	Back saws for carpenter
*	1103	B3138	1992-03	Omnipotent saws for carpenter
	1104	B3139	1992-03	Sabre saws for carpenter
*	1105	B3140	1992-03	Rat-tail saws for carpenter
	1106	B3141	1992-03	Keyhole saws for carpenter
	1107	B3142	1992-03	Sabre-bamboo saws for carpenter
	1108	B3143	1992-03	Advanced saws for carpenter
*	1109	B3144	1992-03	Two-man saws
	1130	B3145	2005-01	Pliers and nippers - General technical requirements
	1131	B3146	2006-06	Pliers and nippers - Carpenter's pincers
	1132	B3147	2006-06	Pliers and nippers - End cutting nippers

Date of				
CNS no.	Category no.	Current edition	Title	
1133	B3148	2008-04	Pliers and nippers - Diagonal cutting nippers	
1134	B3149	2008-04	Pliers and nippers - Engineer's and lineman's pliers	
1135	B3150	withdrawn	Fencing pliers	
1136	B3151	2005-01	Pipe wrenches	
1137	B3152	2008-04	Pliers and nippers - Pliers for gripping and manipulating	
1138	B3153	withdrawn	Round nose pliers without cutter, Long	
1139	B3154	withdrawn	Round nose pliers without cutter	
1140	B3155	withdrawn	Flat nose pliers without cutter	
1141	B3156	1959-10	Screw thread for adjusting distance and adjusting wheel	
*	1185	B3157	1978-03	Files (general)
*	1186	B3158	1978-03	Density of file teeth
*	1187	B3159	1978-03	Flat file for carpenter, wide flat end
*	1188	B3160	1978-03	Flat file for carpenter, sharp flat end
*	1189	B3161	1978-03	Half-round file for carpenter, wide flat end
*	1190	B3162	1978-03	Half-round file for carpenter, thin sharp end
*	1191	B3163	1978-03	Round file for carpenter
*	1192	B3164	1978-03	Flat file for tinman
*	1193	B3165	1978-03	Half-round file for tinman
*	1194	B3166	1978-03	Flat file for smith, wide flat end
*	1195	B3167	1978-03	Flat file for smith, sharp flat end
*	1196	B3168	1978-03	Half-round file for smith
*	1197	B3169	1978-03	Round file for smith
*	1198	B3170	1978-03	Square file for smith
*	1199	B3171	1978-03	Feather-edge file for smith
*	1200	B3172	1978-03	Triangular file for smith
*	1201	B3173	1978-03	Knife file for smith
*	1202	B3174	1978-03	Special flat file for smith
*	1203	B3175	1978-03	Special square file for smith
*	1204	B3176	1978-03	Heavy flat file for smith
*	1205	B3177	1978-03	Heavy half-round file for smith
*	1206	B3178	1978-03	Heavy round file for smith
*	1207	B3179	1978-03	Heavy square file for smith
*	1208	B3180	1978-03	Heavy triangular file for smith
	1209	B3181	1959-10	Mill saw file
	1210	B3182	1959-10	Mill saw file, thin type
*	1211	B3183	1978-03	Triangular saw file
*	1212	B3184	1978-03	Triangular saw file thin type
*	1213	B3185	1978-03	Triangular belt saw file
	1433	B3186	withdrawn	Saw blades for hand hack saws ( replaced by CNS 1433-1 )
	1433-1	B3186-1	2018-08	Hacksaw blades – Part 1: Dimensions for hand blades
	1433-2	B3186-2	2018-08	Hacksaw blades – Part 2: Dimensions for machine blades
	1434	B3187	withdrawn	Saw Blades for Power Hack Saws (→CNS 10236)
	2691	B3188	withdrawn	Heavy duty cutting nippers
	2692	B3189	2005-01	Pliers and nippers - Slip joint pliers
	2693	B3190	withdrawn	Pliers for radio
	3006	B3191	1976-12	Inserts in Cutting Material
	3007	B3192	1976-12	Adapter Sleeves with Nut and Retainer for Ball and Roller Bearings
	3008	B3193	1976-12	Withdrawal Sleeves for Ball and Roller Bearings
	3093	B3194	1989-06	Cemented carbide dies for drawing wires and rods
	3094	B3195	1984-12	Solid punches
	3095	B3196	1985-12	Center punches (9.5mm)
	3096	B3197	1986-04	Hand hammers for forging
	3097	B3198	1970-05	Chisel
	3098	B3199	1984-12	Nail pullers
	3099	B3200	1985-12	Benders for steel bars
	3100	B3201	1985-12	Cutters for steel bars
	3150	B3202	1984-12	Crowbars
	3151	B3203	withdrawn	Wrenchs, Single Head (→CNS 133、134)

		Date of		
CNS no.	Category no.	Current edition	Title	
	3152	B3204	withdrawn	Hand Chisels
	3153	B3205	withdrawn	Socket Wrench 11.1mm Sliding Tee Bars
	3154	B3206	withdrawn	Hand Planers (for Carpenters)
	3155	B3207	1983-03	Chisels for stone work
	3156	B3208	1970-12	Threading Die
	3224	B3209	1971-04	Movable angle gauge
	3303	B3210	2002-05	Adjustable Wrenches
*	3371	B3211	1972-06	Hand taps for metric coarse thread, class 3
*	3372	B3212	1972-06	Hand taps for unified coarse thread, class 3
*	3373	B3213	1995-06	Straight shank drills
	3409	B3214	1972-10	Circular saw blade (for metal cutting)
*	3410	B3215	1985-12	Sickles for grass cutting
*	3411	B3216	1985-12	Sickles for Paddy Harvest
*	3413	B3217	1998-04	Assembly tools for screws and nuts - Double-headed,flat and offset,box wrenches,test torque series B
*	3414	B3218	1998-04	Assembly tools for screws and nuts - Double-headed,deep offset,box wrenches,test torque series A
	3468	B3219	withdrawn	25cm Trowels
	3469	B3220	1978-03	Metal Wedge
	3513	B3221	1972-06	Axes (Single Blade, Double Blades)
*	3597	B3222	1988-10	Slotting Cutters
*	3598	B3223	1988-10	Plain Milling Cutters
*	3599	B3224	1988-10	Side Milling Cutters
*	3600	B3225	1988-10	T-Slot Cutters
*	3601	B3226	1988-10	Slitting Saws
*	3602	B3227	1988-10	Screw Slotting Cutters
*	3603	B3228	1988-10	Single Angle Milling Cutters
*	3604	B3229	1988-10	Double (Unsymmetrical) Angle Milling Cutters
*	3605	B3230	1988-10	Double (Symmetrical) Angle Milling Cutters
*	3606	B3231	1988-10	Face Milling Cutters
*	3607	B3232	1988-10	Single Angle Milling Cutters with Threaded Holes
*	3608	B3233	1974-01	End Mills with Straight Shank
*	3609	B3234	1974-01	End Mills with Taper Shank
*	3610	B3235	1974-01	Two-Flute End Mills with Straight Shank
*	3611	B3236	1988-10	Shell End Mills
*	3612	B3237	1974-01	Arbors for Shell End Mills and Face Cutters
*	3613	B3238	1974-01	Two-Flute End Mills with Taper Shank
	3614	B3239	1998-12	Assembly tools for screws and nuts - Hand-operated square drive socket wrenches,test torques series E
	3617	B3240	1973-11	Ladle, Melting, Hand
	3659	B3241	1973-11	Hack Saw Frames
*	3974	B3242	1978-05	Cold Chisels
*	3975	B3243	1978-05	Flat Chisels
*	3976	B3244	1978-05	Cape Chisels
*	3977	B3245	1978-05	Pneumatic Tools, Shank Chisels
*	3978	B3246	1978-05	Grooving Chisels
*	3979	B3247	1976-09	Tinners' Snips
	3980	B3248	1976-09	Woodworking Saw Blades; Circular Saw Blades
	4030	B3249	1976-12	Bearing Box (Ball Bearing, Assembly 2, Light Grade, Cone Form)
	4031	B3250	1976-12	Bearing Box (Ball Bearing, Assembly 3, Medium Grade, Cone Form)
	4032	B3251	1976-12	Bearing Box (Ball Bearing, Assembly 2, Light Grade, Round Form)
	4033	B3252	1976-12	Bearing Box (Ball Bearing, Assembly 3, Medium Grade, Round Form)
	4034	B3253	1981-10	Cylindrical roller bearings angular rings
*	4037	B3254	1983-03	Parallel bench vices
*	4038	B3255	1983-03	Parallel bench vices
*	4039	B3256	1976-12	Machine vices (for milling machine or shaper use)
*	4069	B3257	1982-12	Pneumatic grinders
*	4070	B3258	1982-12	High speed pneumatic grinders

Date of				
CNS no.	Category no.	Current edition	Title	
*	4071	B3259	1982-12	Pneumatic disc grinders
*	4072	B3260	1982-12	Pneumatic drills
	4073	B3261	1998-08	Assembly tools for screws and nuts - Forged and tubular socket wrenches - Maximum head dimensions
*	4096	B3262	1989-10	Chucks for Portable Electric Drills
*	4098	B3263	1977-05	Hand drills
*	4099	B3264	1977-05	Breast drills
*	4100	B3265	1977-05	Chucks for hand drills and breast drills
*	4101	B3266	1984-10	Pipe cutters
	4102	B3267	2005-01	Pliers and nippers - Multiple slip joint pliers
*	4103	B3268	1990-02	Chain Pipe Wrenches
	4190	B3269	1998-12	Assembly tools for screws and nuts - Extension bar for hand-operated square drive socket wrenches
	4191	B3270	1998-12	Assembly tools for screws and nuts - Universal joints for hand-operated square drive socket wrenches
	4192	B3271	withdrawn	Sliding T handles for 12.7 mm drive socket wrenches (→CNS 5 0 4 9)
	4193	B3272	withdrawn	Hinged handles for 12.7 mm drive socket wrenches (→CNS 5 0 4 9)
	4194	B3273	withdrawn	Reversible ratchet handles for 12.7 mm drive socket wrenches (→CNS 5 0 4 9)
*	4215	B3274	1978-03	Wedge of Tool Shank
*	4216	B3275	1978-03	Wire Twister Pliers (with Side Cutter)
*	4256	B3276	1988-10	Inter-locking Side Milling Cutters
*	4257	B3277	1978-03	Inserted Blade Side Milling Cutters
*	4258	B3278	1978-03	Cemented Carbide Face Milling Cutters with Inserted Blade (for Cast Iron Use)
*	4266	B3279	1978-03	High Speed Steel Tipped Tools
*	4267	B3280	1978-03	Single point carbide tipped tools
*	4295	B3281	1998-04	Assembly tools for screws and nuts - Double-ended wrenches - Sizing pairing
	4296	B3282	1999-10	Assembly tools for screws and nuts - Combination wrenches
	4297	B3283	withdrawn	Combination wrenches;Short series
	4400	B3284	withdrawn	Assembly tools for screws and nuts - Tee wrench,socket tubular double end, test torques series A (→CNS 4 4 0 1)
	4401	B3285	1998-08	Assembly tools for screws and nuts - Double-headed tee socket wrenches,test torques series A
	4586	B3286	1998-08	Assembly tools for screws and nuts - Single-headed tee socket wrenches,test torques series A
	4587	B3287	withdrawn	Assmely tools for screws and nuts - Single-headed tubular socket wrenches,test torques series A (→CNS 4 5 8 6)
	4813	B3288	1994-02	Planer Knives for Woodworking Machines
	4814	B3289	2000-10	Assembly tools for screw and nuts— Screwdrivers
	4815	B3290	withdrawn	Ratchet Screwdrivers (→CNS 4 8 1 4)
	4816	B3291	withdrawn	Screwdrivers for Slotted Head Screws (→CNS 4 8 1 4)
	4817	B3292	withdrawn	Screwdrivers for Recessed Head Screws (→CNS 4 8 1 4)
	4818	B3293	2000-10	Assembly tools for screws and nuts—Insulated screwdrivers
	4852	B3294	1999-10	Assembly tools for screws and nuts - Hand torque tools
	4967	B3295	1994-02	Groove Cutters for Wookworking Machines
	4968	B3296	1994-02	Circular Saw Blades for Woodworking Machines
	4969	B3297	1994-02	Band Saw Blades for Woodworking Machines
*	4997	B3298	1979-10	Short Machine Taps and Hand Taps
*	4998	B3299	1979-10	Long Shank Machine Taps with Nominal Diameters from 3 to 24 mm
	4999	B3300	1979-10	Hand Taps for Pipe Threads for Parallel and Taper Threads-General Dimensions and Marking
	5000	B3301	1984-08	Ground Thread Taps for ISO Metric Threads of Tolerances 4H to 8H and 4G to 6G Coarse and Fine Pitches-Manufacturing Tolerances on the Threaded Portion

CNS no.	Category no.	Date of		Title
		Current edition		
5001	B3302	2000-11		Assembly tools for screws and nuts-Driving squares for hand socket tools and power socket wrenches
5002	B3303	1998-12		Assembly tools for screws and nuts - Machine-operated square drive socket wrenches,test torques series E
5003	B3304	2000-11		Assembly tools for bolts and screws - Hexagon drive ends for hand- and machine-operated screwdriver bit
5010	B3305	2000-11		Assembly tools for screws and nuts - Hexagon insert bits for hexagon socket head screws
5011	B3306	2000-11		Assembly tools for screws and nuts - Square drive extension hexagon insert, for power socket wrenches
5012	B3307	1979-11		Star Grips
5013	B3308	1979-11		Palm Grips
5016	B3309	1979-11		High Speed Steel Tool Bits
5046	B3310	1979-12		Assembly Tools for Screws and Nuts--Screwdriver for Recessed Head Screws, Double Offset
5047	B3311	1979-12		Assembly Tools for Screws and Nuts-Screwdriver for Slotted Head Screws Double Offset
5048	B3312	1979-12		Assembly Tools for Screws and Nuts-Wrench Male Cruciform
5049	B3313	2000-02		Assembly tools for screws and nuts-Diving parts for hand operated square drive socket wrenches
5056	B3314	1983-03		Loose Tenon Blocks
5057	B3315	1983-03		Feet with Thread for Jigs and Fixtures
5058	B3316	1983-03		Setup Blocks Adjustable Type
5059	B3317	1983-03		Supporting Pin and Locating Pin
5097	B3318	1998-08		Assembly tools for screws and nuts - Hexagon socket screws keys
5098	B3319	1998-08		Assembly tools for screws and nuts - Hexagon socket screws keys with pilot
5099	B3320	1998-12		Assembly tools for screws and nuts - Adapter for hand-operated square drive socket wrenches
5100	B3321	withdrawn		Assembly tools for screws and nuts-Tommy bars for socket wrenches (→ CNS 5 0 4 9 )
5101	B3322	withdrawn		Assembly tools for screws and nuts-Tee wrench socket, single square (→ CNS 5 0 4 9 )
5102	B3323	withdrawn		Assembly tools for screws and nuts-Tee wrench, male squares (→ CNS 5 0 4 9 )
5103	B3324	1980-01		Assembly Tools for Screws and Nuts-Hook Wrench and Pin Wrench
5104	B3325	1980-01		Assembly tools for screws and nuts-face wrench for slotted lock rings
5105	B3326	1980-01		Assembly tools for screws and nuts-pin type face wrench
5106	B3327	1980-01		Assembly tools screws and nuts-adapter for hexagon insert bits for use with spiral ratchet drivers
5107	B3328	1980-01		Assembly tools for screws and nuts-spiral ratchet screwdrivers-connection dimension
5110	B3329	1983-03		Ball Handles
5181	B3330	1980-02		Assembly tools for screws and nuts-square drive bit for use with spiral ratchet drivers
5272	B3331	1980-03		Magnetic pick-up lever
5273	B3332	1980-03		Mechanical pick-up lever
5299	B3333	2000-11		Assembly tools for screws and nuts-Screwdriver bit for recessed head screws, with male hexagon drive
5300	B3334	2001-07		Assembly tools for screws and nuts-Screwdriver bit for slotted head screws,with male hexagon drive
5301	B3335	2001-07		Assembly tools for screws and nuts - Square drive socket for hexagon insert bits
5302	B3336	2001-07		Assembly tools for screws and nuts - Hexagon drive extensions for hexagon insert bits
5303	B3337	2001-07		Assembly tools for screws and nuts - Forms of keys for triangular socket wrenches



Date of				
CNS no.	Category no.	Current edition	Title	
5304	B3338	withdrawn	Assembly tools for screws and nuts-Finder sleeves for hexagon insert bits with socket drivers (→CNS 5 3 0 2)	
5305	B3339	withdrawn	Assembly tools for screws and nuts-Hexagon insert bits for slotted screws ; finder sleeves (→CNS 3 6 1 4)	
5306	B3340	2001-07	Assembly tools for screws and nuts-Slotted screwdriver	
5307	B3341	2001-07	Assembly tools for screws and nuts-Screwdrivers for hexagon insert bits	
5308	B3342	2001-07	Assembly tools for screws and nuts-Screwdrivers for slotted screws for fine mechanics	
5309	B3343	2001-07	Assembly tools for screws and nuts - Plastic handles for screwdrivers	
5392	B3344	1980-04	Wood vices	
5393	B3345	1980-04	Anvils, Blacksmiths	
5482	B3346	1980-05	Blocks, Tackle	
*	5658	B3347	1998-04	Assembly tools for screws and nuts - Slugging wrenches, box, test torque series B
	5659	B3348	1980-07	Assembly Tools for Screws and Nuts - Flarenut Wrench Double End Flat Test Torques, Series C
*	5660	B3349	1998-04	Assembly tools for screws and nuts - Double-headed,modified offset,box wrenches,test torque series A
	5661	B3350	1980-08	Machine tools; machine tapers; morse tapers and metric tapers, taper sockets; dimensions
	5666	B3351	1980-07	Spindle Noses for Milling Machines
	5667	B3352	1980-07	Ends of arbor milling machines
	5668	B3353	1980-07	Draw - in bolt end for milling machine arbors
	5669	B3354	1980-07	Arbors for Milling Machines
	5670	B3355	1980-07	Arbor collars for milling machines
	5671	B3356	1980-07	Arbor bearing collars for milling machines
	5672	B3357	1980-07	Arbor end collars for milling machines
	5673	B3358	1980-07	Arbor nuts for milling machines
	5674	B3359	1980-07	Cutter Bore
	5977	B3360	1980-08	High - speed steel blades for machine and shell reamers with screwed - on blades
	5987	B3361	1987-04	Shanks of press die
	5988	B3362	1987-04	Stud Shanks for Press Dies
	5989	B3363	1985-07	Punch holder and die holder for press dies
	5990	B3364	1987-04	Die sets for press dies
	5991	B3365	1987-04	Round Punches for Press Dies
	5992	B3366	1987-04	Knockout equipment for press dies
	5993	B3367	1987-04	Coil Springs for Press Dies
	5994	B3368	1987-04	Ball slide die sets for press dies
	5995	B3369	1980-08	Master Dies for Die Casting Metal Mold
	5996	B3370	1980-08	Guide Pins of Dies for Die Casting
	5997	B3371	1980-08	Ejector Pint (of Dies) for Die Casting
	5998	B3372	1980-08	Return Pin of Dies for Die Casting
	5999	B3373	1980-08	Guide Pin Bushing of Dies for Die Casting
	6306	B3374	1980-08	Short Parallel Shank Slot Drills - Dimensions
	6401	B3375	1980-09	Bushings for Jigs
	6402	B3376	1980-09	Set Screw for Jig Bushings
	6403	B3377	1980-09	C washers for jigs
	6404	B3378	1980-09	Swing C washers for jigs
	6405	B3379	1980-09	Clamps for jigs
	6416	B3380	1980-09	Pinion-type Cutters for Cylindrical Gears; Extended Hub Gear Cutters for Spur Gears
	6417	B3381	1980-09	Pinion-type Cutters for Cylindrical Gears; Disc-gear Cutters for Spur Gears
	6418	B3382	1980-09	Pinion-type Cutters for Cylindrical Gears; Inter Shank-gear Cutters for Spur Gears
	6425	B3383	1980-09	Slotting Drills with Morse Taper Shank

CNS no.	Category no.	Date of		Title
		Current edition		
6545	B3384	1980-10		Main plates of molds for plastics
6546	B3385	1980-10		Guide pins of molds for plastics
6547	B3386	1980-10		Ejector pins of molds for plastics
6548	B3387	1980-10		Return pins of molds for plastics
6549	B3388	1980-10		Guide pin bushings of molds for plastics
6550	B3389	1980-10		Locate Rings of Molds for Plastics
6551	B3390	1980-10		Sprue Bushings of Molds for Plastics
6734	B3391	1980-12		Disk type milling cutters for cutting acme - screw threads for threads with included angle of 30°
6735	B3392	1980-12		Folding shovel
6742	B3393	1980-12		Spring Collets
6761	B3394	1980-12		Parallel Shank Core Drills of High - Speed Steel
6762	B3395	1980-12		Morse Taper Shank Core Drills of High Speed Steel
6763	B3396	1980-12		Parallel Shank Counter-borer with Solid Pilot
6764	B3397	1980-12		Morse Taper Shank Counter-borer with Detachable Pilots
6876	B3398	1983-05		Spindle noses and face plates of lathes
6877	B3399	1981-01		Hand taps in set of three, for coarse ISO metric threads
6878	B3400	1981-01		Machine nut taps, for coarse ISO metric threads
6879	B3401	1981-01		Machine taps with reinforced shank for coarse ISO metric threads
6880	B3402	1981-01		Machine taps for fine ISO metric threads
6881	B3403	1981-01		Machine taps for coarse ISO metric threads
7001	B3404	1981-03		Driving Tenons for Tools with Parallel Shank
7002	B3405	1981-03		Machine Taper Pin Reamers with Parallel Shanks
7003	B3406	1981-03		Machine Taper Pin Reamers with Morse Taper Shanks
7004	B3407	1981-03		Parallel shank twist drills for use in jig bushes
7192	B3408	1981-04		Basic Profiles for Hobs of Bushed Roller Chains and Roller Chains
7193	B3409	1981-04		Basic profiles for milling cutters of busher roller chains and roller chains
7194	B3410	2001-12		Single-start solid (monobloc) gear hobs with tenon drive or axial keyway, modules 1 to 40-Nominal dimensions
7195	B3411	1981-04		Tools for Metal - Working; Bores, Keys and Driving Features for Tools with Parallel Bore and with 1 in 30 Taper Bore
7196	B3412	1981-04		Bearing Collars for Milling Machine Arbors for Milling Cutter with Axial Keyway
7344	B3413	1984-12		Crowbars (for Fire Fighting Use)
7345	B3414	1981-05		Hand hoe triangular shaped
7346	B3415	1981-05		Sand shovel
7347	B3416	1981-05		Gravel Shovel
7348	B3417	1981-05		Trough shovel
7349	B3418	1981-05		Pan shovel (mining shovel)
7350	B3419	1981-05		Loading shovel
7351	B3420	1981-05		Spades
7352	B3421	1981-05		Plain Shovel
8102	B3422	withdrawn		Flexible saw blades for hand hack saws ( replaced by CNS 1433-1 )
8194	B3423	1985-06		Subplate Type Solenoid Operated 4 - Port Valves for Oil - Hydraulic Use
8196	B3424	1982-01		Solenoid Assembly for Oil - Hydraulic Use - Dry Type
8346	B3425	withdrawn		Assembly tools for screws and nuts - Hand-operated square drive socket wrenches (for home use) (→CNS 3 6 1 4 )
8347	B3426	withdrawn		Assembly tools for screws and nuts - Extension bar for hand-operated square drive socket wrenches (for home use) (→CNS 4 1 9 0 )
8348	B3427	withdrawn		Reversible ratchet handles for drive socket wrenches (for family use) (→CNS 5 0 4 9 )
8349	B3428	withdrawn		Assembly tools for screws and nuts - Hand operated square drive socket wrenches (for family use) (→CNS 5 0 4 9 )
8473	B3429	1982-02		Pin punches
8474	B3430	1982-02		Punches for alignment

Date of				
CNS no.	Category no.	Current edition	Title	
8657	B3431	1982-04	Screw Extractors	
8658	B3432	1982-04	Screw starters	
8771	B3433	withdrawn	Screwdriver Bits (→CNS 5 2 9 9)	
9967	B3434	1995-10	Drill Chuck for Machine Tools	
10236	B3435	withdrawn	Saw blades for power hack saws ( replaced by CNS 1433-2 )	
10237	B3436	1983-05	Handles for cranes	
10420	B3437	1988-06	Tire Iron	
10642	B3438	1983-11	Straight Lip, Flat, Blacksmiths&#39;&#39; Tongs	
10643	B3439	1983-11	Curved lip, fluted jaw, blacksmiths tongs	
10644	B3440	1983-11	Rivet-holding blacksmiths&#39;&#39; tongs	
10645	B3441	1983-11	Single-pick up, blacksmiths&#39;&#39; tongs	
10646	B3442	1983-11	Double-pick up, blacksmiths&#39;&#39; tongs	
10647	B3443	1983-11	Gad, blacksmiths&#39;&#39; tongs	
10648	B3444	1983-11	V shaped blacksmiths&#39;&#39; tongs	
10681	B3445	1983-12	Saw blades for woodworking crosscut saws	
11087	B3446	1984-11	Putty Knives	
11154	B3447	1984-12	Grease guns-rush type hand guns	
11155	B3448	1984-12	Grease guns-lever type hand guns	
11158	B3449	1984-12	Tungsten-carbide bits and rod for rock drill sets	
11159	B3450	1984-12	Tungsten-carbide tip core drills	
11356	B3451	1985-09	Hand operated tube bender	
11357	B3452	1985-09	Caps of vise jaw	
11358	B3453	1985-09	Portable pneumatic reciprocating woodworking saws	
11494	B3454	1986-02	Insulated diagonal cutting nippers	
11495	B3455	1986-02	Insulated bent nose pliers	
11892	B3456	1987-04	Shears for flower and grass cutting	
11893	B3457	1987-04	Shears for hedge trimming	
12040	B3458	withdrawn	General System of the Automatic Compensation Tools for CNC Lathe	
12041	B3459	withdrawn	Touch Probes for Measuring Outside Diameter Used in CNC Lathe	
12042	B3460	withdrawn	Boring Bar Probe Used in CNC Lathe	
12043	B3461	withdrawn	Receive Head for CNC Lathe	
12044	B3462	withdrawn	The Interface Board for CNC Lathe	
*	12334	B3463	1988-06	Crimming Tools (Wire Strippers)
	12335	B3464	1988-06	Speed Wrenches
	12336	B3465	1988-06	Multi-wrenches
	12337	B3466	1988-06	Pliers for Retaining Rings
	12338	B3467	1988-06	Crowbars
	12550	B3468	1989-07	Marlinespikes
	12551	B3469	1998-12	Assembly tools for screws and nuts - Flexible hexagon drive extensions for hexagon insert bits (for home use)
	12552	B3470	1998-12	Assembly tools for screws and nuts - Combined hexagon drive extensions for hexagon insert bits (for home use)
	12553	B3471	withdrawn	Assembly tools for screws and nuts - Screwdrivers for hexagon insert bits (for home use) (→CNS 5 3 0 7)
	14221	B3472	1998-08	Socket wrenches for spark - and glow-plugs
	14282	B3473	1998-12	Assembly tools for screws and nuts – Four-way socket wrenches
	14880	B3474	2005-01	Pliers and nippers for electronics - General technical requirements
	14882	B3475	2005-01	Pliers and nippers for electronics - Single-purpose cutting nippers
	14883	B3476	2005-01	Pliers and nippers for electronics - Single-purpose pliers for gripping and manipulating
	14884	B3477	2005-01	Pliers and nippers - Lever assisted side cutting pliers
	14977	B3478	2006-06	Pliers and nippers - Construction worker's pincers

## Machines

146	B4001	1947-03	Height of Shaft, for Driving and Driven Lines
707	B4002	withdrawn	Kerosene oven
2057	B4003	1980-07	Power Tiller [15kW(20HP) or Less]

		Date of		
	CNS no.	Category no.	Current edition	Title
	2138	B4004	2000-06	Small size volute pumps
*	2402	B4005	withdrawn	Chinese typewriter
*	2403	B4006	1971-10	Lead Letters for Chinese Typewriter
*	2695	B4007	1966-12	Water-cooled Diesel Engines for Land Use (Small Size)
	2725	B4008	withdrawn	Unitary Air Conditioner (→CNS 3615)
*	2928	B4009	withdrawn	Polishing machine
*	2959	B4010	withdrawn	Oil cups
*	3002	B4011	1969-07	Air-cooled Diesel Engines for Land Use (Small Size)
*	3003	B4012	1969-07	Air-cooled Gasoline Engines for Land Use (Small Size)
	3176	B4013	withdrawn	Piston ring for internal combustion engine (Tentative)
	3196	B4014	1980-07	Trailers for Power Tiller
	3197	B4015	1980-07	Manpowered Rotary Paddy-field Weeder (Horizontal Rotary Type)
	3252	B4016	1980-07	Pedal Threshers
	3254	B4017	1980-07	Power Thrasher
*	3255	B4018	1981-01	Power Sprayers (High Pressure)
*	3305	B4019	1981-06	Aerosol
	4116	B4020	1981-01	Mobile Pneumatic Grain Conveyor
	4485	B4021	1983-05	Small-Size Reciprocating Air Compressors
*	4601	B4022	1986-04	Rice Combines
*	4671	B4023	1986-04	Rice Driers
*	4727	B4024	1986-04	Power Rice Transplanters
	5701	B4025	1980-07	Gear Pumps for Hydraulic Use - Discharge Diameter 10 ~ 50 mm
	5703	B4026	1980-07	Vane Pumps for Hydraulic Use - Discharge Diameter 10~50 mm
	5705	B4027	1980-07	Vane Motors for Hydraulic Use - Diameter 20~50 mm
	5707	B4028	1980-07	Pressure Compensating Type Flow Control Valves for Hydraulic Use
	6004	B4029	1980-08	Agricultural Tactors and Machines-Symbols for Operator Controls
	6005	B4030	1980-08	Rice Hulling Rubber Rolls
	6006	B4031	1980-08	Dimensions of Hitch for Power Tillers
	6007	B4032	withdrawn	Feed chains for agricultural machinery
	6008	B4033	withdrawn	Cocks for sprayer
	6009	B4034	withdrawn	Parts for noodle making machine
	6010	B4035	withdrawn	Hand sprayers
	6011	B4036	withdrawn	Hand dusters
	6012	B4037	withdrawn	Axles with brakes of trailer for power tiller
	6013	B4038	withdrawn	Blades for tillers
	6543	B4039	2006-02	Overhead travelling cranes
	6544	B4040	2006-02	Cast steel travelling wheel for overhead travelling cranes
	6615	B4041	2006-02	Wrought steel travelling wheels for overhead travelling cranes
	6641	B4042	2006-02	Rope sheaves for overhead travelling cranes
	6642	B4043	2006-02	Calculated capacity for unloader
	6643	B4044	2006-02	Safe working loads, rated-speed and slewing radius of cranes
	7550	B4045	withdrawn	Roller dryers
	7778	B4046	2014-10	Industrial fans - Performance testing using standardized airways
	7869	B4047	1981-09	Air Filter Units for Ventilation
	7878	B4048	withdrawn	Chain blocks
	7879	B4049	1981-09	Rollers for Belt Conveyor
	7880	B4050	withdrawn	Steel roller conveyors
*	8344	B4051	withdrawn	Single thread chain stitch, filled bag closing machine for industrial use
	8917	B4052	1996-08	Stationary Centrifugal Fire Pumps
	8918	B4053	1996-08	Prime Movers of Stationary Centrifugal Fire Pump
	8919	B4054	1996-08	Auxiliaries of Stationary Centrifugal Fire Pump
*	9347	B4055	withdrawn	Hand lift trucks
	9555	B4056	2007-10	Pallet trucks - Principal dimensions
	9556	B4057	withdrawn	Classification and dimensions of hydraulic platform trucks
	9665	B4058	withdrawn	Batch type sand mills for casting
	9962	B4059	withdrawn	Drilling machines, sensitive, bench type
	10302	B4060	2018-04	Ultra high speed over lock sewing machines for industrial use

		Date of		
CNS no.	Category no.	Current edition	Title	
	10596	B4061	withdrawn	Electric been (rice) juice grinding machine
*	10680	B4062	1995-01	Double Suction Volute Pumps
	10847	B4063	1993-12	Small Size Multi - Stage Centrifugal Pumps
*	11327	B4064	1993-12	Submersible Motor - Pumps for Deep Wells
	11380	B4065	withdrawn	Hydraulic elevators
	11493	B4066	withdrawn	Test code for performance and accuracy of electrical discharge machines and numerically controlled electrical discharge machines
	11529	B4067	1989-12	Method of Test for Plastics Injection Molding Machines
	12067	B4068	withdrawn	Requirment of construction system for automatic forging machine
	12118	B4069	withdrawn	Spark plugs for internal combustion engines
	12118-1	B4069-1	withdrawn	Dimension of screw threads for internal combustion engines spark plugs
	12245	B4070	1988-04	"C" Frame Power Press
	12555	B4071	2021-12	Method of test for solar water heater for dwelling
	12575	B4072	2007-02	Water chilling packages using the vapor compression cycle
*	12678	B4073	1991-04	Semi-Automatic Strapping Machines
*	12679	B4074	1991-04	Automatic Strapping Machines
	12812	B4075	withdrawn	Centrifugal Water Chillers
	12917	B4076	1991-10	Manual Blowpipes for Oxyacetylene Welding
	12918	B4077	1991-10	Manual Gas Cutting Torches
	13627	B4078	1996-01	Rack and Pionion Type Elevators for Construction Use
	13628	B4079	1996-01	Lifts for Constructure Use
	14965	B4080	2006-02	Engineering vehicle for line-men
	15465	B4081	2011-11	Fans for general purposes - Method of measurement of fan vibration
	16029	B4082	2018-03	Light gauge metal containers – Definitions and determination of dimensions and capacities – Part 3: Aerosol cans

## Steel Pipes and Cylinders

708	B5001	1962-07	Grade of Pipe Pressure
709	B5002	1956-04	Nominal Diameter for Pipe
710	B5003	withdrawn	Identification of Color for Piping
711	B5004	withdrawn	One way faucet (screw type)
789	B5005	withdrawn	Basic dimensions of 2 kgf/cm <sup>2</sup> ferrous materials pipe flanges
790	B5006	1982-10	Basic Dimensions of 10 kgf/cm <sup>2</sup> Ferrous Materials Pipe Flanges
791	B5007	1982-10	Basic Dimensions of 16 kgf/cm <sup>2</sup> Ferrous Materials Pipe Flanges
792	B5008	1982-10	Basic Dimensions of 20 kgf/cm <sup>2</sup> Ferrous Materials Pipe Flanges
793	B5009	1982-10	Basic Dimensions of 40 kgf/cm <sup>2</sup> Steel Pipe Flanges
794	B5010	1982-10	Basic Dimensions of 63 kgf/cm <sup>2</sup> Steel Pipe Flanges
795	B5011	withdrawn	Flange Dimension for Nominal Pressure 100; Working Pressure I 100, II 80, III 64
796	B5012	withdrawn	Distribution of Bolt Holes
797	B5013	withdrawn	Flange for Cast-Iron Pipes (Nominal Pressure 6; Working Pressure I 6, II 5)
798	B5014	withdrawn	Flange for Cast-Iron Pipes (Nominal Pressure 10; Working Pressure I 10, II 8)
799	B5015	withdrawn	Flange for Cast-Iron Pipes (Nominal Pressure 16; Working Pressure I 16, II 13)
800	B5016	withdrawn	Flange for Cast-Iron Pipes (Nominal Pressure 25; Working Pressure I 25)
801	B5017	withdrawn	Flange for Cast-Iron Pipes (Nominal Pressure 40; Working Pressure I 40)
828	B5018	withdrawn	Spigot and Bell End of Cast-iron Pipes
829	B5019	withdrawn	Bell End of Pipes
830	B5020	withdrawn	Cast iron pipes for pressure lines with TYTON joints; class LA
831	B5021	withdrawn	Cast iron pipes for pressure lines with TYTON joints; class A
832	B5022	1982-03	Cast Iron Pipes for Pressure Lines With TYTON Joints; Class B.
833	B5023	withdrawn	Ductile cast iron flanged pipes for pressure main lines
834	B5024	withdrawn	Flanged Cast-iron Pipes,Centrifugal Casting,Class A (Working

CNS no.	Category no.	Date of		Title
		Current edition		
835	B5025	withdrawn		Pressure Less Than 10 kg/cm <sup>2</sup> Flanged Cast-iron Pipes,Centrifugal Casting,Class B (Working Pressure Less Than 16 kg/cm <sup>2</sup> )
836	B5026	withdrawn		Short Pipes with Single Flange and Single Bell (Working Pressure Less Than 16 kg/cm <sup>2</sup> )
837	B5027	withdrawn		Ductile cast iron special castings for pressure main lines, flanged spigots
838	B5028	withdrawn		Ductile cast iron special castings for pressure main lines, collars
839	B5029	withdrawn		Ductile cast iron special castings for pressure main lines, double-socket bends 90°
840	B5030	withdrawn		Ductile cast iron special castings for pressure main lines, double-socket bends 45 (DSB-45)
841	B5031	withdrawn		Ductile cast iron special castings for pressure main lines, double-socket bends 22 (DSB-22)
842	B5032	withdrawn		Ductile cast iron special castings for pressure main lines,double-socket bends (DSB-11)
843	B5033	withdrawn		Ductile cast iron special castings for pressure main lines, double-socket tees with flanged branch (DST-FB)
844	B5034	withdrawn		Ductile cast iron special castings for pressure main lines, all socket tees (AST)
845	B5035	withdrawn		Cast iron special castings for pressure main lines; double flanged tapers (Reducers)
846	B5036	withdrawn		Ductile cast iron special castings for pressure main lines, double-socket tapers (DST)
847	B5037	withdrawn		Cap (Working Pressure Less Than 16 kg/cm <sup>2</sup> )
848	B5038	withdrawn		Plug (Working Pressure Less Than 16 kg/cm <sup>2</sup> )
849	B5039	withdrawn		Ductile cast iron special castings for pressure main lines, flanged bends (FB)
850	B5040	withdrawn		Ductile cast iron special castings for pressure main lines, double flanged duckfoot bends (DFDB)
851	B5041	withdrawn		Ductile cast iron special castings for main lines,double flanged bends 45 (DFB-45)
852	B5042	withdrawn		Ductile cast iron special castings for pressure main lines,all flanged tees (AFT)
853	B5043	1993-12		Cross joints with quadri - Flanges (working pressure Less Than 16 kgf/cm <sup>2</sup> )
854	B5044	withdrawn		Reducer Pipe Joint with Double-flang (Working Pressure Less Than 16 kg/cm <sup>2</sup> )
855	B5045	withdrawn		Ductile cast iron special casting for pressure main lines, blank flange
1337	B5046	1967-03		Steel cylinder for compressed natural gas
*	2448	B5047	2016-06	Gas cylinders - Transportable refillable welded steel cylinders for liquefied petroleum gas (LPG) - Design and construction
2581	B5048	withdrawn		Screw-gland Flexible Joint Cast-iron Pipes and Screw Washers for Assembly
2582	B5049	withdrawn		Cast-iron Pipes and Sealing Rings for Assembly
2583	B5050	withdrawn		Cast-iron Pipes,Screw-gland Flexible Joint Class LA
2584	B5051	withdrawn		Cast-iron Pipes, Screw-gland Flexible Joint Class A
2585	B5052	withdrawn		Cast-iron Pipes,Screw-gland Flexible Joint Class B
*	2724	B5053	2000-10	Refillable welded steel cylinder for dissolved acetylene
2781	B5054	withdrawn		Nodular Graphite Cast-iron Pipes,Bolt-gland Flexible Joint,Class 70
2782	B5055	withdrawn		Nodular Graphite Cast-iron Pipes,Bolt-gland Flexible Joint,Class 80
2783	B5056	withdrawn		Nodular Graphite Cast-iron Pipes,Screw-gland Flexible Joint,Class 70
2784	B5057	withdrawn		Nodular Graphite Cast-iron Pipes,Screw-gland Flexible Joint,Class 80
2794	B5058	withdrawn		Cast-iron Pipes and Sealing Rings for Assembly,Bolt-gland Flexible Joint
2795	B5059	withdrawn		Bolts and Nuts for Bolt-gland Flexible Joint Cast-iron Pipes and Fittings
2796	B5060	withdrawn		Cast-iron Pipes Socket and Sealing Washers for Assembly

Date of				
CNS no.	Category no.	Current edition	Title	
2797	B5061	withdrawn	Cast-iron Pipes,Receiving Type Lead Calking Joint,Class LA	
2798	B5062	withdrawn	Cast-iron Pipes,Bell and Spigot Lead Calking Joint,Class A	
2799	B5063	withdrawn	Cast-iron Pipes,Bell and Spigot Lead Calking Joint,Class B	
2858	B5064	withdrawn	Cast-iron Pipes,Bolt gland Flexible Joint,Class LA	
2859	B5065	withdrawn	Cast-iron Pipes,Bolt gland Flexible Joint,Class A	
2860	B5066	withdrawn	Cast-iron Pipes,Bolt gland Flexible Joint,Class B	
2929	B5067	1972-10	Screwed Type Steel Pipe Fitting	
*	2943	B5068	1983-05	Screwed type malleable cast iron pipe fittings
	2958	B5069	1968-11	Cast-iron pipes and fittings for sanitary equipments
	3039	B5070	withdrawn	Cable Clamps (14mm)
	3040	B5071	withdrawn	Cable Thimbles (16mm)
	3041	B5072	withdrawn	Chain Rings (1.6mm)
	3042	B5073	withdrawn	Tow Chains (13mm × 1830mm)
	3194	B5074	withdrawn	High Pressure Cylinder for Compressed Gas
	3195	B5075	withdrawn	High Pressure Cylinder for Liquefied Gas
	3467	B5076	withdrawn	28 mm steel rope
*	4152	B5077	1990-05	Valve for dissolved acetylene cylinder
	7197	B5078	1982-10	Basic dimensions of 5 kgf/cm <sup>2</sup> ferrous materials pipe flanges
	7198	B5079	1982-10	Basic Dimensions of 30 kgf/cm <sup>2</sup> Steel Pipe Flanges
	8198	B5080	withdrawn	Ductile cast iron special castings for pressure main lines, flanged socket
	8199	B5081	withdrawn	Ductile cast iron special castings for pressure main lines, double-socket bends 30°
	8200	B5082	withdrawn	Ductile cast iron special castings for pressure main lines, double flanged taper
	8201	B5083	withdrawn	Ductile cast iron special castings for pressure main lines, duckfoot bends
	9788	B5084	2005-01	Pressure vessels (General standard)
	9789	B5085	2005-01	Shell and head of pressure vessels
	9790	B5086	2001-06	Opening for pressure vessels
	9791	B5087	2001-06	Belted flange for pressure vessels
	9792	B5088	2005-01	Flat tube sheet for pressure vessels
	9793	B5089	2001-06	Cover plate for pressure vessels
	9794	B5090	2005-01	Stayed plate for pressure vessels
	9795	B5091	2005-01	Expansion joint for pressure vessels
	9796	B5092	2001-06	Saddle supported horizontal pressure vessels
	9797	B5093	2005-01	Jacket for pressure vessels
	9798	B5094	2001-06	Pressure vessel of noncircular cross section
	9799	B5095	2001-06	Stress and fatigue analyses for pressure vessels
	9800	B5096	2001-06	Production test for pressure vessels
	9801	B5097	2001-06	Pressure and leak for pressure vessels
*	9802	B5098	2007-05	Quick closure for pressure vessels
	9803	B5099	2001-06	Welding procedure qualification test for pressure vessels
	10215	B5100	2001-06	Sight glasses for pressure vessels
	10216	B5101	2001-06	Glossary of terms used in pressure vessels
	10217	B5102	withdrawn	Construction of (19) all kinds of material character pressure vessels
	10218	B5103	withdrawn	Construction of pressure vessels (20) calculation for maximum allowable external pressure of pipes
*	10848	B5104	2013-10	Valves for high pressure gas cylinders
*	10849	B5105	1984-04	Screw threads of valves for high pressure gas cylinder
	12240	B5106	1988-04	Construction of layered pressure vessels
*	12242	B5107	2000-10	Seamless steel gas cylinders
	12652	B5108	1990-01	Shell and Tube Heat Exchangers
*	12653	B5109	1990-01	Evaporator for liquefied petroleum gas use
	12654	B5110	1990-01	Construction of liquefied petroleum gas cylindrical storage tanks (horizontal type)
	12655	B5111	1990-01	Construction of pressure vessels for refrigeration
	12811	B5112	1990-12	Pipe flange for refrigeration

CNS no.	Category no.	Date of Current edition	Title
12896	B5113	1993-12	Pressure Regulators for Gas Welding, Cutting and Allied Processes
12937	B5114	1996-06	Structure of welded steel tanks for petroleum oil storage
13635	B5115	1996-03	Steel butt-welding pipe fittings for ordinary use
13636	B5116	1996-03	Steel butt-welding pipe fittings
13637	B5117	1996-03	Steel plate butt-welding pipe fittings
14966	B5118	2006-02	Concise pressure vessels
14967	B5119	2006-02	Miniature pressure vessels
14968	B5120	2006-02	Concise boiler

## Measuring Instruments

127	B6001	1947-03	Metric taper gauge, with flat head
128	B6002	1947-03	Metric taper gauge, without flat head
129	B6003	1947-03	Morse taper gauge with flat head
130	B6004	1972-06	Morse taper gauge, without flat head
182	B6005	1966-03	Pressure Gauges
522	B6006	1955-09	Snap gauge for Whitworth thread (manufacturing tolerance and wear limit)
523	B6007	1955-09	Plug gauge for Whitworth thread (go end limit for fine, medium and coarse fits)
524	B6008	1955-09	Plug gauge for Whitworth thread (no go end limit for fine, medium and coarse fits)
525	B6009	1955-09	Adjustable snap gauge for Whitworth thread (for go end limit and wear test; fine; medium and coarse fits)
526	B6010	1955-09	Ring gauge for Whitworth thread (go end limit for fine, medium and coarse fits)
527	B6011	1955-09	Inspection plug gauge for Whitworth thread ring gauge (go end limit for fine, medium and coarse fits)
528	B6012	1955-09	Adjustable plug gauge for Whitworth thread ring gauge (for testing of go and no go ring gauge, fine, medium and coarse fits)
533	B6013	1991-10	Limit Gages for Metric Coarse Screw Threads
534	B6014	1991-10	Limit Gages for Metric Fine Screw Threads
535	B6015	1991-10	Limit Gages for Unified Coarse Screw Threads
536	B6016	1991-10	Limit Gages for Unified Fine Screw Threads
537	B6017	1992-03	Three wires for screw thread measuring
538	B6018	1955-09	Inspection plug gauge for metric thread ring gauge (go end limit, fine, medium and coarse fits)
539	B6019	1955-09	Adjustable plug gauge for metric thread (for testing of go and no go ring gauge, fine, medium and coarse fits)
561	B6020	withdrawn	Water meters (General) (→ CNS 1 4 8 6 6 - 1、1 4 8 6 6 - 2、1 4 8 6 6 - 3)
562	B6021	withdrawn	Water meters with threaded end connections (→ CNS 1 4 8 6 6 - 1、1 4 8 6 6 - 2、1 4 8 6 6 - 3)
563	B6022	withdrawn	Water meters with flanged end connections (→ CNS 1 4 8 6 6 - 1、1 4 8 6 6 - 2、1 4 8 6 6 - 3)
564	B6023	withdrawn	Dial measurement of water meters (→ CNS 1 4 8 6 6 - 1、1 4 8 6 6 - 2、1 4 8 6 6 - 3)
3541	B6024	withdrawn	Cross recesses penetration gauge
4174	B6025	1983-07	External Micrometers
4175	B6026	1981-06	Vernier Calipers
4176	B6027	1989-12	Dial gages reading in 0.01 mm
4177	B6028	1997-10	Dial gages reading in 0.001 mm
4752	B6029	1982-01	Vernier Depth Gages
4753	B6030	withdrawn	Lever type dial test indicators
4754	B6031	withdrawn	Bore gages (Cylinder gages)
4755	B6032	1982-01	Feeler gages
4756	B6033	withdrawn	Sine bars
4757	B6034	1982-08	Microindicators
4758	B6035	1982-08	Indicating Micrometers



CNS no.	Category no.	Date of	
		Current edition	Title
4759	B6036	1982-08	Steel straightedges
4893	B6037	withdrawn	Micrometer heads
4894	B6038	1983-07	Specific gravity hydrometers
7199	B6039	withdrawn	Levels
7200	B6040	1981-04	Tripod connections for optical surveying instruments
7201	B6041	withdrawn	Transit
7202	B6042	withdrawn	Pocket compasses
7341	B6043	1981-05	Alidades
7342	B6044	withdrawn	Hand levels
7343	B6045	1981-05	Squares
7547	B6046	1981-06	Flow Type Air Gages
7548	B6047	1981-06	Metal Rules
7549	B6048	1981-06	Precision surface plates
7870	B6049	withdrawn	Standard scales
7871	B6050	1994-02	Carpenter's squares
7872	B6051	1995-04	Gear tooth micrometers
7873	B6052	1981-09	Gear Tooth Vernier Calipers
7955	B6053	1981-10	Trip Balances
7956	B6054	1981-10	Electrical Comparataor
7957	B6055	1981-10	Wooden Folding Rules
7958	B6056	withdrawn	Stationary governor type tachometers
7960	B6057	1981-10	Portable Chronometric Tachometers
8092	B6058	withdrawn	Gauge blocks
8093	B6059	1981-11	Cylindrical Squares
8094	B6060	1983-01	Vee block
8189	B6061	1982-01	Vernier Height Gage
8190	B6062	1982-01	Precision Square Levels
8191	B6063	1982-10	Precision Levels
8345	B6064	withdrawn	Autocollimators
8762	B6065	1982-05	Micro Hardness Testing Machines for Vickers and Knoop Hardness
8764	B6066	1983-01	Erichsen cupping testers
8766	B6067	1989-01	Shore Hardness Testing Machines
8768	B6068	1982-05	Izod impact testing machines
9059	B6069	1982-07	Thermographs
9060	B6070	withdrawn	Hygrographs
9061	B6071	1982-07	Barographs
9209	B6072	1982-08	Vickers hardness testing machines
9211	B6073	1982-08	Compression Testing Machines
9466	B6074	1982-10	Test Device for Cylinder Pressure of Gasoline Engine
9468	B6075	withdrawn	Feeler gages for spark plug
9470	B6076	1982-10	Tensile Testing Machines
9472	B6077	1982-10	Brinell Hardness Testing Machines
10046	B6078	withdrawn	Screw-pitch gage
10047	B6079	1983-03	Standard Hardness Blocks of Rockwell Tester and Rockwell Superficial Hardness Tester
10048	B6080	1983-03	Load Calibration Devices for Verifying Material Testing Machines
10422	B6081	1983-07	Rockwell and Rockwell Superficial Hardness Testing Machines
10424	B6082	1983-07	Charpy Impact Testing Machines
10490	B6083	withdrawn	Optical flats
10793	B6084	1984-03	Roughness Comparison Specimens
10794	B6085	1984-03	Instruments for the Measurement of Surface Roughness by the Stylus Method
11091	B6086	1984-11	Measuring projectors
11229	B6087	1985-04	Glass-enclosed carbon-arc type apparatus for artificial light exposure tests
11230	B6088	1985-04	Light-and-water-exposure apparatus (enclosed carbon-arc type)
11231	B6089	1985-04	Light-and-water-exposure apparatus (open-flame sunshine carbon-arc type)

CNS no.	Category no.	Date of		Title
		Current edition		
11232	B6090	1985-04		Light-exposure and light-and-water-exposure apparatus (xenon-arc lamp type)
11276	B6091	1985-06		Toolmakers microscopes
12116	B6092	withdrawn		Hung type spring balance
12117	B6093	withdrawn		Spring balance
12481	B6094	1989-01		Standard blocks of Shore hardness
12752	B6095	1990-08		Screw thread limit gauges for parallel pipe threads
12753	B6096	1990-08		Gauges for taper pipe threads
13373	B6097	1994-04		Limit gauges
13374	B6098	1994-04		Tolerances, allowable deviations and permissible wears of limit gauges
13375	B6099	1994-04		Gauge blanks for screw thread limit gauges
13723	B6100	1996-07		Extensometers used in metallic material tensile
13979	B6101	2013-07		Vortex flow meters
14866-1	B6102-1	2017-12		Measurement of water flow in fully charged closed conduits – Meters for cold potable water and hot water – Part 1: Specifications
14866-2	B6102-2	2012-02		Measurement of water flow in fully charged closed conduits – Meters for cold potable water and hot water – Part 2: Installation requirements
14866-3	B6102-3	2017-12		Measurement of water flow in fully charged closed conduits – Meters for cold potable water and hot water – Part 3: Test methods and equipment
15084-1	B6103-1	withdrawn		Measurement of water flow in closed conduits - Combination meters for cold potable water - Part 1 : Specifications
15084-2	B6103-2	withdrawn		Measurement of water flow in closed conduits - Combination meters for cold potable water - Part 2 : Installation requirements
15084-3	B6103-3	withdrawn		Measurement of water flow in closed conduits - Combination meters for cold potable water - Part 3 : Test methods

## Testing and Inspection

*	94	B7001	1993-12	Accuracy inspection of lathes
*	95	B7002	1993-12	Accuracy inspection of upright drilling machines
*	96	B7003	1993-12	Test code for performance and accuracy of radial drilling machines
*	97	B7004	1993-12	Test code for performance and accuracy of double housing type planing machines
*	98	B7005	1993-12	Accuracy inspection of shaping machines
*	99	B7006	1993-12	Accuracy inspection of slotting machines
*	100	B7007	1993-12	Accuracy inspection of table type horizontal boring machines
*	101	B7008	1993-12	Accuracy inspection of floor type horizontal boring machines
*	162	B7009	1971-09	Testing standard for spring washer
	176	B7010	1947-03	Testing standard for key seat
	366	B7011	withdrawn	City and trekking bicycles – Safety requirements and test methods (replaced by CNS 366-1~CNS 366-9)
	366-1	B7011-1	2017-08	Safety requirements for cycles – Part 1: Terms and definitions
	366-2	B7011-2	2019-08	Safety requirements for bicycles – Part 2: City and trekking, young adult, mountain and racing bicycles
	366-3	B7011-3	2017-08	Safety requirements for cycles – Part 3: Common test methods
	366-4	B7011-4	2017-08	Safety requirements for cycles – Part 4: Braking test methods
	366-5	B7011-5	2017-08	Safety requirements for cycles – Part 5: Steering test methods
	366-6	B7011-6	2017-08	Safety requirements for cycles – Part 6: Frame and fork test methods
	366-7	B7011-7	2017-08	Safety requirements for cycles – Part 7: Wheels and rims test methods
	366-8	B7011-8	2017-08	Safety requirements for cycles – Part 8: Pedal and drive system test methods
	366-9	B7011-9	2017-08	Safety requirements for cycles – Part 9: Saddles and seat-post test methods

	CNS no.	Category no.	Date of Current edition	Title
	543	B7012	1972-06	Testing standard for shovel
*	544	B7013	1966-09	Testing standard for household sewing machine
	565	B7014	withdrawn	Method of test for water meters (→CNS 14866-1、14866-2、14866-3)
	659	B7015	1967-08	Method of test for water pump (general)
	660	B7016	1956-11	Method of test for head loss of water pumps
	661	B7017	2004-07	Method of test for discharge capacity of water pumps
	662	B7018	1967-10	Method of test for rotational speed of water pumps
	663	B7019	1967-10	Method of Test for Power and Efficiency of Water Pumps
	664	B7020	1967-10	Method of test for temperature of transmission shaft of water pumps
	665	B7021	1967-10	Format for report of water pump test
	752	B7022	withdrawn	Testing Standard for Bicycle Brake
	788	B7023	withdrawn	Method of Test for Cast-iron Pipes and Fittings
	1024	B7024	1968-10	Testing standard for picks
*	1095	B7025	1959-04	Method of test for wood screws
	1110	B7026	1992-03	Method of test for hand saws for carpenter
	1142	B7027	2005-01	Pliers and nippers - Methods of test
	1214	B7028	1978-03	Method of test for files
	1323	B7029	2016-06	Gas cylinders - Refillable welded steel cylinders for liquefied petroleum gas (LPG) - Periodic inspection and testing method
*	1324	B7030	2022-05	Valves for liquified petroleum gas cylinder
	2181	B7031	1980-07	Method of test for power tiller
	2467	B7032	1966-01	Testing standard for watches and clocks (general)
	2469	B7033	1966-01	Testing standard for hanging and table clocks (ordinary grade)
	2470	B7034	1966-01	Testing standard for hanging and table clocks (middle and high grade)
	2653	B7035	1981-01	Method of test for hand sprayers
	2696	B7036	1966-12	Testing standard for small internal combustion engines of land use
	2697	B7037	1966-12	Method of test for small internal combustion engines of land use
	2726	B7038	1973-08	Testing Methods for Fans and Blowers
	2780	B7039	withdrawn	Testing standard for nodular graphite cast-iron pipes and fittings
	2863	B7040	1985-05	Method of test for tolerances of rolling bearings
	2865	B7041	1982-11	Method of test for tolerances of thrust (axial) rolling bearings
*	2866	B7042	withdrawn	Method of test for elevator escalator and dumbwaiter
	3005	B7043	1969-07	Method of test for diesel engine of constant speed
	3038	B7044	1969-07	Method of test for air compressors
*	3157	B7045	1981-11	Accuracy test standard for crank press
	3374	B7046	1981-01	Method of test for mist blowers and dusters
	3470	B7047	1980-07	Method of test for power cultivator
*	3615	B7048	2021-12	Air conditioners
	3661	B7049	withdrawn	Gas fired water heaters ( Instant heating type ) (→CNS 13603)
	3662	B7050	withdrawn	Testing methods for liquescent petroleum gas burner (→CNS 13605)
	3864	B7051	withdrawn	Method of test for the frames of bicycles(replaced by CNS 366 series)
	3865	B7052	withdrawn	Method of test for the handle stems and parts of bicycles(replaced by CNS 366 series)
	3866	B7053	withdrawn	Method of test for the bracket axle of bicycles(replaced by CNS 366 series)
*	3867	B7054	1990-11	Method of test for the front hubs of bicycles
	3868	B7055	withdrawn	Method of test for the mudguards of bicycles(replaced by CNS 366 series)
	3869	B7056	withdrawn	Method of test for the handles of bicycles(replaced by CNS 366 series)
	3870	B7057	withdrawn	Method of test for the handle grips of bicycles(replaced by CNS 366 series)
	3871	B7058	withdrawn	Method of test for the rear brakes of bicycles(replaced by CNS 366 series)

		Date of		
CNS no.	Category no.	Current edition	Title	
			series)	
	3872	B7059	withdrawn	Method of test for the chain wheels and cranks for bicycles(replaced by CNS 366 series)
*	3873	B7060	1975-12	Method of test for the rear hubs of bicycles
*	3874	B7061	1993-07	Method of test for the tire valves of bicycles
*	3875	B7062	withdrawn	Method of test for the chain of bicycles (→CNS 357)
	3876	B7063	withdrawn	Method of test for pedals of bicycles(replaced by CNS 366 series)
*	3877	B7064	1975-12	Method of test for the hub cogs of bicycles
*	3878	B7065	1975-12	Method of test for the free wheels
	3879	B7066	withdrawn	Method of test for saddle posts (pillar) of bicycles(replaced by CNS 366 series)
*	3880	B7067	1993-12	Method of test for the spokes of bicycles
*	3881	B7068	withdrawn	Method of test for rims of bicycles (→CNS 363-2)
*	3882	B7069	1993-12	Coating for bicycle parts
*	3883	B7070	1993-12	Method of test for coating of bicycle parts
*	3884	B7071	1993-12	Surface treatment for bicycle parts
*	3885	B7072	1993-07	Method of test for surface treatment of bicycle parts
*	3886	B7073	1993-07	Heat treatment of bicycle parts
*	3887	B7074	1993-07	Method of test for heat treatment of bicycle parts
*	3933	B7075	1976-06	Method of Test for Hexagon Socket Head Cap Screws (Metric)
*	3935	B7076	1978-03	Method of test for mechanical properties of bolts, screws and studs
*	3983	B7077	1978-05	Method of test for mechanical properties of tapping screws
	4029	B7078	withdrawn	Method of test for mechanical properties of nuts (→CNS 4028)
*	4040	B7079	1976-12	Methods of Test for Machine Vices
	4068	B7080	withdrawn	Method of Test for Square Nuts
*	4097	B7081	1989-10	Method of test for chuck of portable electric drills
*	4168	B7082	1986-11	Test code for accuracy of machine tools
*	4217	B7083	1978-03	Method of test for wire twister pliers
	4233	B7084	1978-03	Method of test for mechanical and performance properties of torque type steel hexagon locknuts
	4241	B7085	1978-03	Method of test for electroplated coating of bolts, screws and nuts
*	4259	B7086	1982-10	Accuracy inspection of knee type horizontal milling machines and universal milling machines
*	4260	B7087	1982-10	Accuracy inspection of knee type vertical milling machines
*	4261	B7088	1981-10	Accuracy inspection of internal cylindrical grinding machines
	4262	B7089	1983-01	Method of life test for single point carbide tools
	4263	B7090	1978-03	Cemented carbide tips
	4264	B7091	1978-03	Cemented carbide recommendation
	4265	B7092	1978-03	Method of life test for high speed steel single point tools
	4298	B7093	withdrawn	Assembly tools for screws and nuts-Technical specifications for head operated wrenches and sockets (→CNS 14110)
*	4299	B7094	1981-10	Accuracy inspection of external cylindrical and universal grinding machines
*	4300	B7095	1985-03	Test code for accuracy of surface grinding machines with horizontal grinding wheel spindle and reciprocating table
	4301	B7096	1985-03	Test code for accuracy of surface grinding machines with vertical grinding wheel spindle and rotary table
*	4302	B7097	1981-10	Accuracy inspection of turret lathes
	4350	B7098	1982-08	Accuracy inspection of vertical boring and turning mills
	4351	B7099	1982-12	Accuracy inspection of hobbing machines
*	4441	B7100	1978-07	Accuracy inspection of centerless grinding machines
	4487	B7101	2003-06	Method of test for surface discontinuities - Bolts, screws and studs for general requirements
*	4565	B7102	1978-10	Methods of vibration testing for machine tools
*	4600	B7103	1989-12	Method of sound level measurement for machine tools
*	4602	B7104	1986-04	Method of test for rice combines
*	4666	B7105	1978-11	Testing standard for thread rolling machine

		Date of		
CNS no.	Category no.	Current edition	Title	
*	4667	B7106	1978-11	Testing standard for cold heading machine, cold header-double stroke cold heading machine
*	4668	B7107	1978-11	Testing standard for (bolt head) trimming machine
*	4669	B7108	1978-11	Testing standard for nut former
*	4672	B7109	1986-04	Method of Test for Rice Driers
*	4728	B7110	1986-04	Method of test for power rice transplanters
	4809	B7111	1994-07	General rules for accuracy inspection of woodworking machines
*	4810	B7112	1995-04	Accuracy inspection of jointers
	4811	B7113	1995-04	Accuracy inspection of single surface planers
*	4812	B7114	1995-04	Accuracy inspection of double surface planers
*	4895	B7115	1982-12	Accuracy inspection of hack sawing machines
*	4896	B7116	1982-12	Accuracy inspection of metal cutting vertical band sawing machines
*	4897	B7117	1982-12	Accuracy inspection of metal cutting horizontal band sawing machines
*	4961	B7118	1990-11	Accuracy inspection of hydraulic presses
	4962	B7119	1982-12	Accuracy inspection of shearing machines
*	4963	B7120	1985-01	Test code for accuracy of bench drilling machines
*	4964	B7121	1982-12	Accuracy inspection of drilling and milling combined machines
	5008	B7122	1995-04	Rip saws
	5009	B7123	1995-04	Woodworking spindle shapers
	5062	B7124	1979-12	Direction of operation of machine tool controls
	5192	B7125	2001-12	Measuring method of noise of gears
	5395	B7126	1991-04	Test code for performance of hydraulic presses
	5397	B7127	1980-04	Method of Test of Filters for Hydraulic Use
	5483	B7128	1980-05	Testing method for electric tester screwdriver
	5484	B7129	withdrawn	Testing method for spark plug wrenches (→CNS 1 4 2 2 1 )
	5485	B7130	withdrawn	Testing method for socket wrench, four way (→CNS 1 4 2 8 2 )
	5486	B7131	1980-05	Testing method for hand impact screw driver
	5487	B7132	2006-06	Pliers and nippers - Wrench, plier; clamp plier; and plier, tubing pinch-off
	5511	B7133	1983-12	Test Code for Performance of Numerically Controlled Machine Tools
	5512	B7134	1986-11	Test code for accuracy of numerically controlled machine tools
	5650	B7135	1980-07	Method of test for handy lighter
	5653	B7136	1980-07	Method of test for level gauge
*	5654	B7137	1992-04	Method of test for air pump for bicycles
	5655	B7138	withdrawn	Method of test for three- wheel infant pedicabs (→CNS 14976)
	5656	B7139	withdrawn	Method of test for infant bicycles (→CNS 14976)
	5657	B7140	withdrawn	Method of test for two-wheel boy bicycles (→CNS 14976)
	5662	B7141	1980-07	Test code for performance of machine tools
	5663	B7142	1986-02	Test code for accuracy of three-side planers and moulders
	5664	B7143	1986-02	Test code for accuracy of four-side planers and moulders
	5665	B7144	1986-02	Test code for performance of upright drilling machines
	5679	B7145	1980-07	Method of test for power thrasher
	5702	B7146	1980-07	Method of Test of Gear Pumps for Hydraulic Use - Discharge Diameter 10~50 mm
	5704	B7147	1980-07	Method of Test of Vane Pumps for Hydraulic Use - Discharge Diameter 10~50 mm
	5706	B7148	1980-07	Method of Test of Vane Motors for Hydraulic Use - Diameter 20~50 mm
	5708	B7149	1980-07	Method of Test Pressure Compensating Type Flow Control Valves for Hydraulic Use
	5961	B7150	1993-10	General rules for inspection of valves
	5975	B7151	1980-08	Test code for performance of lathes
	5976	B7152	1980-08	Test code for performance of knee type vertical milling machines
	6304	B7153	1980-08	Running inspection method of band saw mills and their feed carriages
	6305	B7154	1986-02	Test code for accuracy of feed carriages of band saw mills

		Date of		
CNS no.	Category no.	Current edition	Title	
6406	B7155	1987-04	Accuracy Test for Press Die Sets	
6552	B7156	1985-01	Test code for performance of table type horizontal boring machines	
6553	B7157	1980-10	Test code for performance of internal cylindrical grinding machines	
6737	B7158	1980-12	Method of test for band saw roll stretcher	
6738	B7159	1985-03	Test Code for Performance of Surface Grinding Machines with Vertical Grinding Wheel Spindle and Rotary Table	
6739	B7160	1980-12	Band saw sharpeners	
6999	B7161	1981-03	Test Code for Performance of Numerically Controlled Lathes	
*	7000	B7162	1993-08	Test code for accuracy of numerically controlled lathes
	7336	B7163	1981-05	Rivets; technical specification
	7777	B7164	1981-08	Accuracy inspection of bench lathes
	7779	B7165	withdrawn	Testing methods for turbo-fans and blowers
	7779-1	B7165-1	2014-09	Industrial fans - Determination of fan sound power levels under standardized laboratory conditions - Part 1: General overview
	7779-2	B7165-2	2014-10	Industrial fans - Determination of fan sound power levels under standardized laboratory conditions - Part 2: Reverberant room method
	7779-3	B7165-3	2014-10	Industrial fans - Determination of fan sound power levels under standardized laboratory conditions - Part 3: Enveloping surface methods
	7779-4	B7165-4	2014-10	Industrial fans - Determination of fan sound power levels under standardized laboratory conditions - Part 4: Sound intensity method
	7874	B7166	1981-09	Test code for performance of knee type horizontal and universal milling machine
	7875	B7167	1981-09	Test code for performance of turret lathe
	7876	B7168	1981-09	Test Code for Performance of External Cylindrical and Universal Grinding Machines
	7877	B7169	1985-03	Test Code for Performance of Surface Grinding Machines with Horizontal Grinding Wheel Spindle and Reciprocating
	7942	B7170	1981-10	Method of Measuring Performance for Dust Collectors
	7952	B7171	1981-10	Method of test for hydraulic cylinder
	7954	B7172	1981-10	Method of test for bladder type accumulators (oil hydraulic use)
	7962	B7173	1986-02	Test code for performance of numerically controlled table type horizontal boring machines
	7963	B7174	1986-02	Test code for accuracy of numerically controlled table type horizontal boring machines
	7959	B7175	1983-02	Method of test for stationary governor type tachometers
	7961	B7176	1981-10	Method of test for portable chronometric tachometers
	8195	B7177	1985-06	Method of test for subplate type solenoid operated 4 - Port valves (oil-hydraulic use )
	8197	B7178	1982-01	Method of test for solenoid assembly (oil-hydraulic use - Dry type)
	8214	B7179	1983-01	Testing method of outside and inside diameters wrapped bushes for plain bearing
	8351	B7180	1983-12	Test code for performance of numerically controlled knee type vertical milling machine
*	8352	B7181	1986-02	Test code for accuracy of numerically controlled knee type vertical milling machine
	8353	B7182	1982-01	Performance Inspection of Hobbing Machine
	8469	B7183	1982-02	Test Code for Performance of Shell Molding Machine
	8470	B7184	1986-08	Test code for accuracy of shell molding machine
	8471	B7185	1982-02	Test code for performance of sand molding machines
	8648	B7186	1982-04	Test code for performance of external cylindrical centerless grinding machine
	8650	B7187	1986-10	Test code for performance of veneer clippers
	8651	B7188	1986-08	Test code for accuracy of veneer clippers
	8763	B7189	1983-01	Method of test for micro hardness testing machines for Vickers and Knoop hardness
	8765	B7190	1982-05	Method of Test for Erichsen Cupping Testers

	Date of			
CNS no.	Category no.	Current edition	Title	
	8767	B7191	1989-01	Method of test for Shore hardness testing machines
	8933	B7192	1982-06	Method of Test for Cushion Spring of Motor - Cycle
	9069	B7193	1982-07	Method of test for PE/PP woven bag making machine
*	9070	B7194	1982-07	Method of test for plastic crusher
*	9071	B7195	1982-07	Method of test for PE/PP inflation machine
	9210	B7196	1982-08	Method of Test for Vickers Hardness Testing Machines
	9212	B7197	1982-08	Method of Test for Compression Testing Machines
	9213	B7198	1982-08	Test Code of Performance of Universal Tool Grinder
*	9214	B7199	1982-08	Accuracy inspection of universal tool grinder
	9339	B7200	1992-04	Method of test for exerciser bicycles
*	9342	B7201	1982-09	Method of Performance Test for Oil Seals
	9353	B7202	1982-09	Method of test for bushes of plain bearings made from dura plastics
*	9460	B7203	1982-10	Accuracy inspection of knee type vertical-horizontal milling machines
	9461	B7204	1982-10	Accuracy inspection of knee type vertical-horizontal universal milling machines
*	9462	B7205	1982-10	Test code for performance of bed type horizontal milling machines
	9463	B7206	1982-10	Test code for accuracy of bed type horizontal milling machines
	9464	B7207	1982-10	Test code for performance of bed type vertical milling machines
*	9465	B7208	1982-10	Test code for accuracy of bed type vertical milling machines
	9467	B7209	1982-10	Method test for test device for cylinder pressure of gasoline engine
	9469	B7210	1982-10	Method of test for feeler gauges for spark plug
	9471	B7211	1982-10	Method of Test for Tensile Testing Machines
	9473	B7212	1982-10	Method of Test for Brinell Hardness Testing Machines
	9474	B7213	1982-10	Method of test for cutting device
	9475	B7214	1983-12	Test code for performance of numerically controlled turret and single spindle drilling machines with vertical spindle
	9476	B7215	1986-08	Test code for accuracy of numerically controlled turret and single spindle drilling machines with vertical spindle
	9562	B7216	1982-11	Testbar for automatic lathes
	9563	B7217	1995-10	Test code for performance of single spindle automatic lathes(fixed headstock type)
	9564	B7218	1996-07	Test code for accuracy of single spindle automatic lathes (fixed headstock type)
	9565	B7219	1986-08	Test code for accuracy of single spindle automatic lathes (sliding type)
	9566	B7220	1982-11	Test code for accuracy of multi spindle automatic lathes
	9663	B7221	1982-12	Test code for performance of multi spindle automatic lathes
	9664	B7222	1986-08	Test code for performance of single spindle automatic lathes (sliding type)
	9667	B7223	2004-01	Method of test for surface discontinuities - Nuts
	9723	B7224	1986-08	Dimensions of pallets for machining centers
	9784	B7225	withdrawn	Test code for performance of machining centers
	9785	B7226	withdrawn	Test code for accuracy of machining centers
	9807	B7227	1983-01	Method of sound level measurement for industrial sewing machine
	9963	B7228	1998-04	Test code for performance of drilling machines,sensitive,bench type
	9964	B7229	1998-04	Test code for accuracy of drilling machines,sensitive,bench type
	9968	B7230	1995-10	Method of test for drill chuck for machine tools
	10049	B7231	1983-03	Method of Test for Load Calibration Devices for Verifying Material Testing Machines
	10050	B7232	1983-03	Methods of Measurement for Noise Emitted by Wood Working Machinery
	10149	B7233	1983-04	Method of Test for Performance of Vertical Multi-Spindle Drilling Machines
	10150	B7234	1983-04	Test Code for Accuracy of Vertical Multi-Spindle Drilling Machines
	10151	B7235	1983-04	Method of Test for Performance of Jig Boring Machines
	10152	B7236	1983-04	Test Code for Accuracy of Jig Boring Machines
	10213	B7237	2014-09	Displacement compressors - Acceptance tests
	10214	B7238	1983-05	Method of Test for Air Vessel for Filling Use (Total Pressure Ratio

CNS no.	Category no.	Date of		Title
		Current edition		
				Below 30) and for Small Size Displacement Compressor (Shaft Horsepower Below 5.5 KW)
10219	B7239	1994-11		Test Code for Accuracy of Hot Presses
10220	B7240	1994-07		Method of Test for Accuracy of Wood Milling Machines
10221	B7241	1994-07		Method of Test for Accuracy of Wood Borer and Hollow Chisel Mortiser
10222	B7242	1994-07		Method of Test for Accuracy of Tenoners
10223	B7243	1994-07		Method of Test for Accuracy of Routers
10224	B7244	1986-10		Test Code for Accuracy of Knife Grinders
10225	B7245	1984-06		Test Code for Accuracy of Drum Sanders
10226	B7246	1998-04		Test code for accuracy of wide belt sanders
10227	B7247	1995-05		Test Code for Accuracy of Glue Spreaders
10228	B7248	1995-10		Test Code for Accuracy of Scrapers
10229	B7249	1989-06		Test Code for Accuracy of Veneer Jointers
10230	B7250	1995-05		Test Code for Accuracy of Slicers
10232	B7251	1989-06		Test code for Performance of Vertical Internal Type Broaching Machines
10233	B7252	1989-06		Test Code for Accuracy of Vertical Internal Type Broaching Machines
10311	B7253	1983-06		Method of Test for Vending Machine
10423	B7254	1983-07		Method of Test for Rockwell and Rockwell Superficial Hardness Testing Machines
10425	B7255	1983-07		Method of Test for Charpy Impact Testing Machines
10539	B7256	1994-11		Test Code for Performance of Hot Presses
10540	B7257	1994-11		Test Code for Performance of Wood Milling Machines
10541	B7258	1994-11		Test Code for Performance of Wood Borers and Hollow Chisel Mortisers
10542	B7259	1994-11		Test Code for Performance of Tenoners
10543	B7260	1994-11		Test Code for Performance of Routers
10544	B7261	1986-10		Test Code for Performance of Knife Grinders
10734	B7262	1984-01		Method of Test for the Plastic Rims of Bicycle
10786	B7263	1984-03		Test Code for Performance of Drum Sanders
10787	B7264	1998-04		Test code for performance of wide belt sanders
10788	B7265	1995-05		Test Code for Performance of Glue Spreaders
10789	B7266	1995-10		Test Code for Performance of Scrapers
10790	B7267	1989-06		Test Code for Performance of Veneer Jointers
10791	B7268	1995-05		Test Code for Performance of Slicers
10868	B7269	1984-05		Method of Test for Sewing Performance of Household Zig-zag Lock Stitch Sewing Machines
10956	B7270	1998-04		Test code for accuracy of circular sawing machines
10957	B7271	1998-04		Test code for performance of circular sawing machines
11329	B7272	1985-08		Test Method for the Sets of High Strength Hexagon Bolt, Hexagon Nut and Plain Washers for Friction Grip Joints
11870	B7273	1987-03		Method of Test for Refrigerant Compressors
12210	B7274	1988-01		Method of Test for Sets of High Strength Torque Control Bolt, Hexagon Nut and Plain Washers
12556	B7275	1989-07		Method of Test for Thermal Performance for Solar Collectors
12557	B7276	1989-07		Method of Test for Thermal Performance for Solar Storage Tanks
12558	B7277	1989-07		Method of Test for Solar Water Heater System (Automatic Cycle)
12754	B7278	1990-08		Method of Test for Parallel Screw Gauges
12755	B7279	1990-08		Method of Test for Taper Screw Gauges
13135	B7280	1993-01		Test Methods for Performance and Accuracy of Band Saws and Feed Equipment
13191	B7281	1993-05		Test Methods for Performance and Accuracy of Band Saws
13192	B7282	1993-05		Test Methods for Performance and Accuracy of Band Saw Stretchers
13193	B7283	1993-05		Test Methods for Performance and Accuracy of Rotary Clippers
13194	B7284	1993-05		Test Methods for Performance and Accuracy of Double Sizers



CNS no.	Category no.	Date of		Title
		Current edition		
13267	B7285	1993-10		Test Methods for Performance and Accuracy of Single Spindle Wood Borer
13268	B7286	1993-10		Test Methods for Performance and Accuracy of Moulding Machine
13437	B7287	1994-11		Method of Test for Boiler Feed Water and Boiler Water
13494	B7288	1995-02		Test Code for Accuracy of Machining Centers (Vertical Type)
13495	B7289	1995-02		Test code for performance of machining centers (vertical type)
* 14328	B7290	withdrawn		Private residence elevators
* 14464	B7291	2010-09		Non-ducted air conditioners and heat pumps—testing and rating for performance
14635	B7292	withdrawn		Geometric accuracy of machines operating under no-load or finishing conditions (replaced by CNS 14637-1)
14636	B7293	2002-05		Determination of accuracy and repeatability of positioning of numerically controlled machine tools
14637	B7294	withdrawn		Circular tests for numerically controlled machine tools
14637-1	B7294-1	2020-05		Test code for machine tools – Part 1: Geometric accuracy of machines operating under no-load or quasi-static conditions
14637-2	B7294-2	2016-05		Test code for machine tools – Part 2: Determination of accuracy and repeatability of positioning of numerically controlled axes
14637-3	B7294-3	2018-09		Test code for machine tools – Part 3: Determination of thermal effects
14637-4	B7294-4	2015-04		Test code for machine tools - Part 4: Circular tests for numerically controlled machine tools
14637-6	B7294-6	2015-04		Test code for machine tools - Part 6: Determination of positioning accuracy on body and face diagonals (Diagonal displacement tests)
14637-7	B7294-7	2018-07		Test code for machine tools – Part 7: Geometric accuracy of axes of rotation
14637-10	B7294-10	2015-04		Test code for machine tools - Part 10: Determination of the measuring performance of probing systems of numerically controlled machine tools
14780	B7295	2003-11		Widening test on nuts
14781	B7296	2003-11		Cone proof load test on nuts
14854	B7297	2004-08		Testing of valves – Fire type-testing requirements
14881	B7298	2005-01		Pliers and nippers for electronics - Methods of test
14941	B7299	2005-09		Machine tools - Test condition for wire electrical discharge machines (wire EDM) - Terminology and testing of the accuracy
15077-1	B7300-1	2023-02		Test conditions for machining centers – Part 1: Geometric tests for machines with horizontal spindle (horizontal Z-axis)
15077-2	B7300-2	2007-08		Test conditions for machining centres - Part 2 : Geometric tests for machines with vertical spindle or universal heads with vertical primary rotary axis (vertical Z-axis)
15077-3	B7300-3	2008-04		Test conditions for machining centres - Part 3 : Geometric tests for machines with integral indexable or continuous universal heads (vertical Z-axis)
15077-4	B7300-4	2007-08		Test conditions for machining centers - Part 4 : Accuracy and repeatability of positioning of linear and rotary axes
15077-5	B7300-5	2007-08		Test conditions for machining centers - Part 5 : Accuracy and repeatability of positioning of work-holding pallets
15077-6	B7300-6	2023-02		Test conditions for machining centers – Part 6 : Accuracy of speeds and interpolations
15077-7	B7300-7	2021-10		Test conditions for machining centres - Part 7 : Accuracy of finished test piece
15077-8	B7300-8	2007-08		Test conditions for machining centers - Part 8 : Evaluation of contouring performance in the three coordinate planes
15077-9	B7300-9	2008-04		Test conditions for machining centres - Part 9 : Evaluation of the operating time of tool change and pallet change
15077-10	B7300-10	2012-01		Test conditions for machining centres - Part 10: Evaluation of thermal distortions
15173	B7301	2010-09		Ducted air-conditioners and air-to-air heat pumps - Testing and rating

CNS no.	Category no.	Date of		Title
		Current edition		
				for performance
15348	B7302	withdrawn		Mountain bicycles — Safety requirements and test methods (replaced by CNS 366-2)
15349	B7303	withdrawn		Racing bicycles — Safety requirements and test methods (replaced by CNS 366-2)
15423-1	B7304-1	2011-01		Equipment for water supply service — Part 1: Test methods of hydrostatic pressure
15423-2	B7304-2	2011-01		Equipment for water supply service — Part 2: Test methods of low temperature resistant
15423-3	B7304-3	2011-01		Equipment for water supply service — Part 3: Test method of water hammer
15423-4	B7304-4	2011-01		Equipment for water supply service — Part 4: Test method of prevention from back current
15423-5	B7304-5	2011-01		Equipment for water supply service — Part 5: Test methods of destruction by vacuum pressure
15423-6	B7304-6	2011-01		Equipment for water supply service — Part 6: Test methods of durability
15458	B7305	2018-01		Luggage carriers for cycles — Requirements and test methods
15569-1	B7306-1	2012-10		Hydraulic fluid power — Filter elements — Part 1: Verification of collapse/burst pressure rating
15569-2	B7306-2	2012-10		Hydraulic fluid power — Filter elements — Part 2: Verification of fabrication integrity and determination of the first bubble point
15569-3	B7306-3	2012-10		Hydraulic fluid power — Filter elements — Part 3: Verification of material compatibility with fluids
15569-4	B7306-4	2012-10		Hydraulic fluid power — Filter elements — Part 4: Method for end load test
15569-5	B7306-5	2012-10		Hydraulic fluid power — Filter elements — Part 5: Determination of resistance to flow fatigue using particulate contaminant
15569-6	B7306-6	2012-10		Hydraulic fluid power — Filter elements — Part 6: Evaluation of differential pressure versus flow characteristics
15569-7	B7306-7	2012-10		Hydraulic fluid power — Filter elements — Part 7: Sequence of tests for verifying performance characteristics
15660-1	B7307-1	2013-07		Test conditions for numerically controlled turning machines and turning centres — Part 1: Geometric tests for machines with a horizontal workholding spindle
15660-2	B7307-2	2014-06		Test conditions for numerically controlled turning machines and turning centres - Part 2: Geometric tests for machines with a vertical workholding spindle
15660-3	B7307-3	2014-06		Test conditions for numerically controlled turning machines and turning centres - Part 3: Geometric tests for machines with inverted vertical workholding spindles
15660-4	B7307-4	2013-07		Test conditions for numerically controlled turning machines and turning centres — Part 4: Accuracy and repeatability of positioning of linear and rotary axes
15660-5	B7307-5	2013-07		Test conditions for numerically controlled turning machines and turning centres — Part 5: Accuracy of feeds, speeds and interpolations
15660-6	B7307-6	2013-07		Test conditions for numerically controlled turning machines and turning centres — Part 6: Accuracy of a finished test piece
15660-7	B7307-7	2013-08		Test conditions for numerically controlled turning machines and turning centres - Part 7: Evaluation of contouring performance in the coordinate planes
15660-8	B7307-8	2013-08		Test conditions for numerically controlled turning machines and turning centres - Part 8: Evaluation of thermal distortions
15883	B7308	2016-05		Machine tools — Safety — Turning machines
15895	B7309	2016-06		BMX bicycles - Safety requirements and test methods
15896	B7310	2016-06		Method of stability test for bicycles
16017	B7311	2017-12		Rotodynamic pumps — Hydraulic performance acceptance tests —

CNS no.	Category no.	Date of		Title
		Current edition		
				Grades 1, 2 and 3
16089	B7312	2018-06		Machine tools – Safety – Stationary grinding machines
16068-1	B7313-1	2018-09		Safety of machinery – Safety-related parts of control systems – Part 1: General principles for design
16068-2	B7313-2	2020-06		Safety of machinery – Safety-related parts of control systems – Part 2: Validation
17529	B7314	2018-11		Machine tools – Practical guidance and example of risk assessment on electro-discharge machines
28881	B7315	2018-11		Machine tools – Safety – Electro-discharge machines
17296-2	B7316-2	2020-03		Additive manufacturing – General principles – Part 2: Overview of process categories and feedstock
17296-3	B7316-3	2020-03		Additive manufacturing – General principles – Part 3: Main characteristics and corresponding test methods
17296-4	B7316-4	2020-03		Additive manufacturing – General principles – Part 4: Overview of data processing
16130-1	B7317-1	2020-05		Machine tools - Environmental evaluation of machine tools - Part 1: Design methodology for energy-efficient machine tools
16130-2	B7317-2	2020-05		Machine tools - Environmental evaluation of machine tools - Part 2: Methods for measuring energy supplied to machine tools and machine tool components
16131	B7318	2020-06		Hydraulic fluid power – General rules and safety requirements for systems and their components
16140	B7319	2020-11		Pneumatic fluid power –General rules and safety requirements for systems and their components
16141	B7320	2020-11		Machine tools – Test conditions for surface grinding machines with vertical grinding wheel spindle and reciprocating table – Testing of the accuracy
16142	B7321	2020-11		Balancing of rotating tools and tool systems
52903-1	B7322-1	2021-12		Additive manufacturing – Material extrusion-based additive manufacturing of plastic materials – Part 1: Feedstock materials
52904	B7323	2021-12		Additive manufacturing – Process characteristics and performance – Practice for metal powder bed fusion process to meet critical applications
52907	B7324	2021-12		Additive manufacturing – Feedstock materials – Methods to characterize metal powders
52911-1	B7325-1	2022-05		Additive manufacturing – Design – Part 1: Laser-based powder bed fusion of metals
52911-2	B7325-2	2022-05		Additive manufacturing – Design – Part 2: Laser-based powder bed fusion of polymers
52902	B7326	2022-09		Additive manufacturing – Test artifacts – Geometric capability assessment of additive manufacturing systems
52921	B7327	2022-09		Standard terminology for additive manufacturing – Coordinate systems and test methodologies
16187	B7328	2023-01		Machine tools – Safety – Sawing machines for cold metal
16188-1	B7329-1	2023-01		Machine tools safety – Machining centres, Milling machines, Transfer machines – Part 1: Safety requirements

## Automation

10955	B8001	2016-11		Robots and robotic devices – Vocabulary
10955-1	B8001-1	withdrawn		Glossary of Terms for Industrial Robots (Terms of Function) (→ CNS 1 0 9 5 5 )
10955-2	B8001-2	withdrawn		Glossary of Terms for Industrial Robots (Terms of Performance) (→ CNS 1 0 9 5 5 )
10955-3	B8001-3	withdrawn		Glossary of Terms for Industrial Robots (Terms of Working) (→ CNS 1 0 9 5 5 )
10955-4	B8001-4	withdrawn		Glossary of Terms for Industrial Robots (Terms of Operation and Controlling) (→ CNS 1 0 9 5 5 )
10955-5	B8001-5	withdrawn		Glossary of Terms for Industrial Robots (Terms of Intelligent Type

CNS no.	Category no.	Date of		Title
		Current edition		
				Robots) (→CNS 1 0 9 5 5 )
10955-6	B8001-6	withdrawn		Glossary of Terms for Industrial Robots (Terms of Safety) (→CNS 1 0 9 5 5 )
11057	B8002	1989-07		Glossary of terms used in automatic control (general)
11258	B8003	1989-07		Glossary of terms for computer-aided manufacturing (CAM) : Terms of automated warehouse system (general)
11258-1	B8003-1	1989-07		Glossary of terms for computer-aided manufacturing (CAM) : Terms of equipment for automated warehouse system
11258-2	B8003-2	1989-07		Glossary of terms for computer-aided manufacturing (CAM) : Terms of function for automated warehouse system
11258-3	B8003-3	1989-07		Glossary of terms for computer-aided manufacturing (CAM) : Terms of layout and scheduling for automated warehouse system
11258-4	B8003-4	1989-07		Glossary of terms for computer-aided manufacturing (CAM) : terms of classification and coding system and theory for group technology
11258-5	B8003-5	1989-07		Glossary of terms for computer-aided manufacturing (CAM) : Terms of function and application for group technology
11258-6	B8003-6	1989-07		Glossary of terms for computer-aided manufacturing (CAM) : Terms of component and layout for flexible manufacturing system
11258-7	B8003-7	1989-07		Glossary of terms for computer-aided manufacturing (CAM) : Terms of application of automation for flexible manufacturing system
11275	B8004	1989-07		Glossary of terms for computer-aided design (CAD)
11299-1	B8005-1	1997-08		Glossary of terms for sensing and transducing (Terms of fundamental concept of measurement system for general instrument technology)
11299-2	B8005-2	1997-08		Glossary of terms for sensing and transducing (Terms of fundamental concept of sensing for general instrument technology)
11299-3	B8005-3	1997-08		Glossary of terms for sensing and transducing (Terms of fundamental concept of transducing for general instrument technology)
11299-4	B8005-4	1997-08		Glossary of terms for sensing and transducing (Terms of signal computations for general instrument technology)
11299-5	B8005-5	1997-08		Glossary of terms for sensing and transducing (Terms of measurement signal processing for general instrument technology)
11299-6	B8005-6	1997-08		Glossary of terms for sensing and transducing (Terms of display and record for general instrument technology)
11299-7	B8005-7	1997-08		Glossary of terms for sensing and transducing (Terms of measurement methods and equipment)
11381	B8006	1985-10		Glossary of terms for reliability (General)
11381-1	B8006-1	1985-10		Glossary of terms for reliability (Terms of failure)
11381-2	B8006-2	1985-10		Glossary of terms for reliability (Terms of maintainability)
11381-3	B8006-3	1985-10		Glossary of terms for reliability (Terms of design)
11381-4	B8006-4	1985-10		Glossary of terms for reliability (Terms of test)
11381-5	B8006-5	1985-10		Glossary of terms for reliability (Terms of time)
11381-6	B8006-6	1985-10		Glossary of terms for reliability (Terms of management and distribution)
11642	B8007	1997-03		Glossary of basic terms for hydraulics and pneumatics
11642-1	B8007-1	1997-03		Glossary of energy conversion terms for hydraulics and pneumatics
11642-2	B8007-2	1997-03		Glossary of energy controlling terms for hydraulics and pneumatics
11642-3	B8007-3	1997-03		Glossary of controlling device and circuit terms for hydraulics and pneumatics
11642-4	B8007-4	1997-03		Glossary of accessory device and part terms for hydraulics and pneumatics
13989	B8008	1997-12		Glossary of terms for production automation and inventory management (General)
13989-1	B8008-1	1997-12		Glossary of terms for production automation and inventory management (Terms of inventory management)
13989-2	B8008-2	1997-12		Glossary of terms for production automation and inventory management (Terms of material requirements planning)
13989-3	B8008-3	1997-12		Glossary of terms for production automation and inventory management (Terms of production management)

CNS no.	Category no.	Date of		Title
		Current edition		
13989-4	B8008-4	1997-12		Glossary of terms for production automation and inventory management (Terms of capacity planning)
13989-5	B8008-5	1997-12		Glossary of terms for production automation and inventory management (Terms of forecast)
13989-6	B8008-6	1997-12		Glossary of terms for production automation and inventory management (Terms of purchase)
14486	B8009	2014-09		Manipulating industrial robots - Mechanical interfaces - Plates
14487	B8010	2014-09		Manipulating industrial robots - Mechanical interfaces - Shafts
14488	B8011	2016-11		Manipulating industrial robots – Coordinate systems and motions nomenclatures
14489	B8012	2000-11		Manipulating industrial robots—Presentation of characteristics
14490	B8013	withdrawn		Manipulating industrial robots – Safety
14490-1	B8013-1	2015-07		Robots and robotic devices - Safety requirements for industrial robots - Part 1: Robots
14490-2	B8013-2	2015-07		Robots and robotic devices - Safety requirements for industrial robots - Part 2: Robot systems and integration
14491	B8014	2000-11		Manipulating industrial robots - Performance criteria and related test methods
14604	B8015	2001-12		Manipulating industrial robots —Automatic end effector exchange system—Vocabulary and presentation of characteristics
14671	B8016	2002-09		Manipulating industrial robots – EMC test methods and performance evaluation criteria – Guidelines
14714	B8017	2003-04		Cylinders for robot resistance welding guns - General requirements
14715	B8018	2003-04		Electric resistance welding-Integrated transformers for welding guns
14716	B8019	2003-04		Manipulating industrial robots - Application oriented test - Spot welding
14782	B8020	2003-11		Manipulating industrial robots - Test equipment and metrology methods of operation for robot performance evaluation
15732	B8021	2014-06		Manipulating industrial robots - Object handling with grasp-type grippers - Vocabulary and presentation of characteristics
15789	B8022	2015-03		Robots and robotic devices - Safety requirements for personal care robots
18646-1	B8023-1	2018-06		Robotics – Performance criteria and related test methods for service robots – Part 1: Locomotion for wheeled robots
18646-2	B8023-2	2022-06		Robotics – Performance criteria and related test methods for service robots – Part 2: Navigation

**C Electrical Engineering**

CNS no.	Category no.	Date of		Title
		Current edition		
<b>General</b>				
31	C1001	withdrawn		Wire gauge
32	C1002	withdrawn		Resistances of copper
33	C1003	1988-01		Nominal Voltage for Transmission and Distribution of Electricity
42	C1004	1988-01		Frequency of Electrical Power System
102	C1005	1988-01		Scheduled Information to be Given on Enquiring and Ordering of Electric Machines (Small and Medium Size D.C. Generators)
103	C1006	1988-01		Scheduled Information to be Given on Enquiring and Ordering of Electric Machines (Medium and Small Size D.C. Motors)
104	C1007	1988-01		Scheduled Information to be Given on Enquiring and Ordering of Electric Machines (Medium and Small Size A.C. Synchronous Generators)
105	C1008	1988-01		Scheduled Information to be Given on Enquiring and Ordering of Electric Machines (Medium and Small Size A.C. Synchronous Motors)
106	C1009	1988-01		Scheduled Information to be Given on Enquiring and Ordering of Electric Machines (Medium and Small Size Induction Motors)
107	C1010	1988-01		Scheduled Information to be Given on Enquiring and Ordering of Electric Machines (Medium and Small Size Synchronous Converters)
108	C1011	1988-01		Scheduled Information to be Given on Enquiring and Ordering of Electric Machines (Medium and Small Size Transformers)
180	C1012	withdrawn		Electrical Machinery Specification (I. E. C. Standard)
299	C1013	1988-12		Standard for Electric Indicating Meter
316	C1014	withdrawn		Nominal low voltages (below 100 volts)
317	C1015	1994-08		Standard Electric Current Rating
400	C1016	1994-08		Letter Symbols of Electricity
401	C1017	1982-07		Drawing Symbols of Electrical Engineering
402	C1018	1982-07		Fundamental Symbols for Electrical Power Engineering
403	C1019	1982-07		Symbols of Electric Networks
404	C1020	1957-01		Symbols of Switch Gears and Control Gears
405	C1021	1957-01		Symbols of D.C. Machines
406	C1022	1957-01		Symbols of A.C. Machines
407	C1023	1982-07		Symbols of Transformers
408	C1024	1957-01		Symbols of Rectifiers
409	C1025	1957-01		Symbols of Transformers for Instrument
410	C1026	1957-01		Symbols of Meters
411	C1027	1980-07		Symbols of Relays and Contacts
412	C1028	1957-01		Symbols of Protective Devices
669	C1029	withdrawn		Dimensions of Double-Cotton Insulated Copper Wires
677	C1030	withdrawn		Dimensions of Copper-silicon Alloy Wires (for Telephone Lines)
678	C1031	withdrawn		Performance of Copper-silicon Alloy Wires (for Telephone Use)
680	C1032	withdrawn		Performance of Plastic Insulated Wires (for 600 Volts and below)
681	C1033	withdrawn		Dimensions of Aluminum Conductors Steel Reinforced
2659	C1034	withdrawn		D-Frame for shackle insulator
*	2801	C1035	1967-10	Insulating Compound (for Common Electric Appliance)
	3071	C1036	1993-02	Dimensions of Rotating Electric Machines
*	3202	C1037	1992-06	Standard Dimensions of Electric Motor Hoist
	3376	C1038	withdrawn	General Rules for Explosion-proof Construction of Electric Machineries and Apparatuses of General Use
	3376-0	C1038-0	2014-10	Explosive atmospheres - Part 0: Equipment - General requirements
	3376-1	C1038-1	2008-09	Explosive atmospheres - Part 1: Equipment protection by flameproof enclosures 'd'
	3376-2	C1038-2	2008-09	Explosive atmospheres - Part 2: Equipment protection by pressurized enclosure 'p'
	3376-4	C1038-4	2002-10	Electrical apparatus for explosive gas atmospheres - Part 4: Method of test for ignition temperature

CNS no.	Category no.	Date of		Title
		Current edition		
3376-5	C1038-5	2002-10		Electrical apparatus for explosive gas atmospheres - Part 5: Powder filling "q"
3376-6	C1038-6	2008-09		Explosive atmospheres - Part 6: Equipment protection by oil immersion 'o'
3376-7	C1038-7	2008-09		Explosive atmospheres - Part 7: Equipment protection by increased safety 'e'
3376-10	C1038-10	2002-10		Electrical apparatus for explosive gas atmospheres - Part 10: Classification of hazardous areas
3376-10-2	C1038-10-2	2014-09		Explosive atmospheres - Part 10-2: Classification of areas - Combustible dust atmospheres
3376-11	C1038-11	2002-10		Electrical apparatus for explosive gas atmospheres - Part 11: Intrinsic safety "i"
3376-12	C1038-12	2002-10		Electrical apparatus for explosive gas atmospheres - Part 12: Classification of mixtures or gases of vapours with air according to their maximum experimental safe gaps and minimum igniting currents
3376-13	C1038-13	2014-10		Explosive atmospheres - Part 13: Equipment protection by pressurized room "p"
3376-14	C1038-14	2002-12		Electrical apparatus for explosive gas atmospheres - Part 14: Electrical installations in hazardous areas (other than mines)
3376-15	C1038-15	2002-12		Electrical apparatus for explosive gas atmospheres - Part 15: Type of protection "n"
3376-16	C1038-16	2002-12		Electrical apparatus for explosive gas atmospheres - Part 16: Artificial ventilation for the protection of analysers houses
3376-17	C1038-17	2002-12		Electrical apparatus for explosive gas atmospheres - Part 17: Inspection and maintenance of electrical installations in hazardous areas (other than mines)
3376-18	C1038-18	2015-12		Explosive atmospheres – Part 18: Equipment protection by encapsulation "m"
3376-19	C1038-19	2015-12		Explosive atmospheres – Part 19: Equipment repair, overhaul and reclamation
3376-20	C1038-20	2002-12		Electrical apparatus for explosive gas atmospheres - Part 20: Data for flammable gases and vapours, relating to the use of electrical apparatus
*	3377	1988-10		Incandescent Lamp for General Use of Explosion-Proof Construction
	3620	1994-08		Dimensional Standards - Endless Loop Magnetic Tape Cartridges, Types I, II and III
	3621	1994-08		General Rules for Cores Made of Ferromagnetic Oxides
	3663	1994-08		Rotary Switches
	3988	2000-10		Dielectric properties of control device
	3989	1991-06		Low Voltage Motor Control Centers
	3996	1994-11		Finished Color of Switch Boards and Mounted Apparatus
	4380	1982-05		Clearances and Creepage Distances for Control Gear
	5017	1984-03		General Rule for Resistance Welding Machine
	5018	C1048	withdrawn	Electric circuit diagram for welding machine
	5019	C1049	1979-11	Electric Graphical Symbol for Welding Machine
	5023	C1050	1984-03	Shape and Dimension of Electrode Tip for Spot Welding
	5202	C1051	2000-10	General Rules of Color Identification for Protective Conductor and Neutral Conductor and Terminal Marking for Apparatus
	5312	C1052	1980-03	Designation Methods for Glass Bulbs of Electric Lamps
	5313	C1053	1980-03	Designation Methods for Filament of Incandescent Tungsten Lamps
	5419	C1054	1994-11	Classifications of Starting kVA of Induction Motors
	5421	C1055	1999-08	Calculating methods of three-phase induction motor characteristics
	5428	C1056	1985-08	Concentric Plugs and Jacks
	5525	C1057	1983-11	Circuit Diagram (Schematic Diagram) for Sequential Control
	5526	C1058	1983-11	Symbols for Sequential Control (Rotary Electrical Machines)
	5527	C1059	1983-11	Symbols for Sequential Control (Transformers and Rectifiers)
	5528	C1060	1983-11	Symbols for Sequential Control (Breakers and Switches)
	5529	C1061	1983-11	Symbols for Sequential Control (Resistors)

CNS no.	Category no.	Date of		Title
		Current edition		
5530	C1062	1983-11		Symbols for Sequential Control (Relays)
5531	C1063	1983-11		Symbols for Sequential Control (Indicating Meters)
5532	C1064	1983-11		Symbols for Sequential Control (General Uses)
5533	C1065	1983-11		Symbols for Sequential Control (Functions)
5740	C1066	1994-11		Basic Per-Unit Quantities for Alternating-Current Rotating Machines
5741	C1067	1980-07		Colors of Indicator Lights and Push Buttons
6014	C1068	1994-11		Definitions of Terms Relating to Electric Insulation
6015	C1069	1994-11		Definitions of Terms Relating to Electrical Insulating Papers
6016	C1070	withdrawn		Standard Definitions of Terms Relating to Mica
6017	C1071	1980-08		Standard Definitions of Terms Relating to Hook up Wire Insulation
6056	C1072	1992-04		General Requirements for Fuses for the Protection of Low-Voltage Cables and Lines
6432	C1073	1984-06		Method for the Designation of Miniature Lamps
6765	C1074	1994-11		General Rules for Insulation Construction of Class II Electrical Appliances
6768	C1075	1985-06		General Rules on Wire Connectors for Interior Wiring
6769	C1076	withdrawn		Installation method of cables embedded direct in concrete
6887	C1077	1986-02		General Rule for Solenoids (Plunger Type)
7211	C1078	1983-06		Contrast of Terminal of Three - Phase Induction Motors
7621	C1079	withdrawn		General rules for control switches
8357	C1080	1988-08		General Rules for Electrical Insulating Mica Products
8372	C1081	withdrawn		Dimension for aerial rod and slab made of ferromagnetic oxide
8373	C1082	withdrawn		Dimension for E core made of ferromagnetic oxide
8374	C1083	withdrawn		Dimension for screw core made of ferromagnetic oxide
8375	C1084	withdrawn		Dimension for pot - core made of ferromagnetic oxide
8376	C1085	withdrawn		Dimension for U core made of ferromagnetic oxide
8377	C1086	withdrawn		Dimension for yoke core made of ferromagnetic oxide
9080	C1087	1994-03		Color Code for Fixed Resistors for Electronic Equipments
9093	C1088	withdrawn		General rules for magnetic amplifier
9100	C1089	1982-07		General Rule for Panelboard
9101	C1090	1987-12		Graphical Symbols of Interior Wiring Diagram for Architectural Plans
9102	C1091	1987-12		Symbols of Switch of Interior Wiring Diagram for Architectural Plans
9103	C1092	1987-12		Symbols of Relays of Interior Wiring Diagram for Architectural Plans
9104	C1093	1987-12		Symbols of Meters of Interior Wiring Diagram for Architectural Plans
9105	C1094	1987-12		Symbols of Electric Machines of Interior Wiring Diagram for Architectural Plans
9106	C1095	1987-12		Symbols of Potential Transformers and Current Transformers of Interior Wiring Diagram for Architectural Plans
9107	C1096	1987-12		Symbols of Connecting of Interior Wiring Diagram for Architectural Plans
9108	C1097	1987-12		Symbols of Distribution of Interior Wiring Diagram for Architectural Plans
9109	C1098	1987-12		Symbols of Wiring of Interior Wiring Diagram for Architectural Plans
9110	C1099	1987-12		Symbols of Bus - Bar of Interior Wiring Diagram for Architectural Plans
9111	C1100	1987-12		Symbols of Lamp and Socket of Interior Wiring Diagram for Architectural Plans
9112	C1101	1987-12		Symbols of Telephone and Bell of Interior Wiring Diagram for Architectural Plans
9113	C1102	1987-12		Symbols of Fire Alarm System of Interior Wiring Diagram for Architectural Plans
9114	C1103	1987-12		Symbols of Television and Broadcast Equipment of Interior Wiring Diagram for Architectural Plans
9115	C1104	1994-08		Glass Ware for Lighting Fittings (Dimensions for Fitted Portions)
9355	C1105	1982-09		Glossary of Terms for Insulator and Bushing
9356	C1106	withdrawn		Minimum breaking distance for air break switches and air circuit breakers (Under or equal to AC 600 V)
9357	C1107	1982-09		Weather - Proof Performance of Electricity Meters



CNS no.	Category no.	Date of		Title
		Current edition		
9817	C1108	withdrawn		Endurance Pressure Explosion-Proof Construction of Electric Machineries and Apparatuses of General Use
9818	C1109	withdrawn		Into Oil Explosion-Proof Construction of Electric Machineries and Apparatuses of General Use
9819	C1110	withdrawn		Inside Pressure Explosion-proof Construction of Electric Machineries and Apparatuses of General Use
9820	C1111	withdrawn		Increase Security Explosion-proof Construction of Electric Machineries and Apparatuses of General Use
9821	C1112	withdrawn		Substance Security Explosion-proof Construction of Electric Machineries and Apparatuses of General Use
9822	C1113	withdrawn		Loose Prevention Frame of General Rules for Explosion-proof Construction of Electric Machineries and Apparatuses of General Use
9824	C1114	withdrawn		Line Connection of Terminal Box to General Rules for Explosion-Proof Construction of Electric Machineries and Apparatuses of General Use
9825	C1115	withdrawn		Outer Conductor and Terminal Box Connection of General Rules for Explosion-Proof Construction of Electric Machineries and Apparatuses of General Use
9827	C1116	2001-03		Safety current of flexible cords
* 9828	C1117	1988-07		Security Current of PVC Condiut Distribution
9829	C1118	1988-07		Security Current of Conduct Distribution
9830	C1119	1988-07		Security Current of Porcelain Insulator Distribution
9831	C1120	1988-07		Surrounding Temperature Affect for Security Current of Wires Insulation
10320	C1121	1983-06		General Rules for Method of Test for Ferrite Cores
10324	C1122	1993-07		Dimensions of Low - Voltage Three - Phase Squirrel - Cage Induction Motors (for Special Frame, Lying Type)
10325	C1123	1993-07		Dimensions of Low - Voltage Three - Phase Squirrel - Cage Induction Motors (for Special Frame, Flange Type)
10326	C1124	1993-07		Geometry Tolerance of Flange Type Rotating Electric Machines
10606	C1125	1983-10		Welding Energy of Condenser Type Spot Welding Machines
10611	C1126	1987-09		Terminal Markings and Direction of Rotation for Rotating Electrical Machine
10649	C1127	1983-11		Symbols for Sequential Control (Static Relays)
10740	C1128	1984-01		Glossary of Terms for Fuses
10902	C1129	1991-10		Types and Dimensions of Bases and Sockets for Lamps
10904	C1130	1994-08		General Rules of Testing Method for Lamps
10912	C1131	1984-06		Dimensions of Brushes for Electric Machines
10913	C1132	1984-06		Resistance and conductivity of copper materials for electrical purposes
11436	C1133	withdrawn		Tolerance of allowable error of instrument transformer (→CNS 1 1 4 3 7)
11439	C1134	withdrawn		Calculation method for the error of the instrument transformers for metering service (→CNS 1 1 4 3 7)
11440	C1135	withdrawn		Determination of the range of the burden for the instrument transformers (→CNS 1 1 4 3 7)
11443	C1136	1985-12		Tolerance of the Combined Indicator and the Driving Elements
11445-1	C1137-1	2021-03		Rotating electrical machines – Part 1: Rating and performance
11445-2	C1137-2	1998-11		Methods for determining lossess and efficiency of rotating electrical machinery from test (excluding machines for traction vehicles)
11445-4	C1137-4	1998-11		Methods for determining synchronous machine quantities from tests
11445-5	C1137-5	1998-11		Classification of degrees of protection provided by enclosures of rotating electrical machines (IP code)
11445-6	C1137-6	1998-11		Methods of cooling (IC code) for rotating electrical machines
11445-7	C1137-7	1998-11		Classification of types of constructions and mounting arrangements (IM code) of rotating electrical machines
11445-8	C1137-8	1998-11		Terminal markings and direction of rotation of rotating machines

Date of			
CNS no.	Category no.	Current edition	Title
11445-9	C1137-9	1998-11	Noise limits of rotating electrical machines
12354	C1138	1988-07	Contrast of Wire Gauge to Diameter and Section Area
12355	C1139	1988-07	Contrast of MCM Gage to Diameter and Section Area
12356	C1140	1988-07	Protecting Equipment and Distribution of Three-Phase 220 V Motors for General Use
12357	C1141	1988-07	Temperature Limitation of Low Voltage Insulated Wires.
12490	C1142	1989-02	General Principles for the Formulation of Graphical Symbols for Use on Equipment
12491	C1143	1989-02	Graphical Symbols for Use on Electrical and Electronic Equipment (General Rules)
12491-1	C1143-1	1989-02	Graphical Symbols for Use on Electrical and Electronic Equipment (Source , Voltage)
12491-2	C1143-2	1989-02	Graphical Symbols for Use on Electrical and Electronic Equipment (General)
12491-3	C1143-3	1989-02	Graphical Symbols for Use on Electrical and Electronic Equipment (Movement,Action,Run,Adjustment)
12491-4	C1143-4	1989-02	Graphical Symbols for Use on Electrical and Electronic Equipment (Alarm,Signal,Filter)
12491-5	C1143-5	1989-02	Graphical Symbols for Use on Electrical and Electronic Equipment (Digital Transmission)
12491-6	C1143-6	1989-02	Graphical Symbols for Use on Electrical and Electronic Equipment (Telecommunication)
12491-7	C1143-7	1989-02	Graphical Symbols for Use on Electrical and Electronic Equipment (Radar Control Desk,Radio Direction Finder)
12491-8	C1143-8	1989-02	Graphical Symbols for Use on Electrical and Electronic Equipment (Sound,Speak,Listen)
12491-9	C1143-9	1989-02	Graphical Symbols for Use on Electrical and Electronic Equipment (Recording,Reproducing)
12491-10	C1143-10	1989-02	Graphical Symbols for Use on Electrical and Electronic Equipment (Television,Video)
12491-11	C1143-11	1989-02	Graphical Symbols for Use on Electrical and Electronic Equipment (Laundry Machine,Dish Washer)
12491-12	C1143-12	1989-02	Graphical Symbols for Use on Electrical and Electronic Equipment (Radiological Equipment)
12491-13	C1143-13	1989-02	Graphical Symbols for Use on Electrical and Electronic Equipment (Medical Equipment)
12491-14	C1143-14	1989-02	Graphical Symbols for Use on Electrical and Electronic Equipment (Image)
12757	C1144	1990-08	General Rules for Defining Expression of the Performance of Industrial Process Measurement and Control Equipment
12839	C1145	1991-02	Installation Methods of Power Cables Buried in Ground
13802-1	C1146-1	1997-02	Graphical Symbols for Diagrams (General Informations)
13802-2	C1146-2	1997-02	Graphical Symbols for Diagrams (Symbol Elements, Qualifying Symbols and Other Symbols Having General Application)
13802-3	C1146-3	1997-02	Graphical Symbols for Diagrams (Conductors and Connecting Divices)
13802-4	C1146-4	1997-02	Graphical Symbols for Diagrams (Passive Components)
13802-5	C1146-5	1997-02	Graphical Symbols for Diagrams (Semiconductors and Electron Tubes)
13802-6	C1146-6	1997-02	Graphical Symbols for Diagrams (Production and Conversion of Electrical Energy)
13802-7	C1146-7	1997-02	Graphical Symbols for Diagrams (Switchgear, Controlgear and Protective Devices)
13802-8	C1146-8	1997-02	Graphical Symbols for Diagrams (Measuring Instruments, Lamps and Signalling Devices)
13802-9	C1146-9	1997-11	Graphical symbols for diagrams (Telecommunication: Switching and peripheral equipment)
13802-10	C1146-10	1997-12	Graphical symbols for diagrams (Telecommunication:Transmission)

CNS no.	Category no.	Date of		Title
		Current edition		
13802-11	C1146-11	1997-11		Graphical symbols for diagrams (Architectural and topographical installation plans and diagrams)
14165	C1147	2015-03		Degrees of protection provided by enclosures (IP code)
14952-1	C1148-1	2005-12		Guide for the determination of thermal endurance properties of electrical insulating materials - Part 1: General guidelines for ageing procedure and evaluation of test results
14952-2	C1148-2	2005-12		Guide for the determination of thermal endurance properties of electrical insulating materials - Part 2: Choice of test criteria
14952-3-1	C1148-3-1	2005-12		Guide for the determination of thermal endurance properties of electrical insulating materials - Part 3: Instructions for calculating thermal endurance characteristics - section 1: calculations using
14952-3-2	C1148-3-2	2005-12		Guide for the determination of thermal endurance properties of electrical insulating materials - Part 3: Instructions for calculating thermal endurance characteristics - section 2: the calculation for
14952-4-1	C1148-4-1	2005-12		Guide for the determination of thermal endurance properties of electrical insulating materials - Part 4: Ageing ovens - section 1: single-chamber ovens
14953	C1149	2005-12		Guide for the evaluation and identification of electrical insulation systems
14954	C1150	2005-12		Principle aspects of functional evaluation of electrical insulation systems - Ageing mechanisms and diagnostic procedures
14955	C1151	2005-12		Guide for the preparation of test procedures for evaluating the thermal endurance of electrical insulation systems
14956	C1152	2005-12		Performance evaluation of insulation systems based on service experience and functional tests
14957	C1153	2005-12		Thermal evaluation and classification of electrical insulation
15568	C1154	2012-09		Protection against electric shock – Common aspects for installation and equipment
15620-1	C1155-1	2012-11		Insulation coordination for equipment within low - voltage system – Part 1: Principles, requirements and tests
15620-2-1	C1155-2-1	2013-05		Insulation coordination for equipment within low-voltage system – Part 2-1: Application Guide – Dimensioning procedure worksheets and dimensioning examples
15620-2-2	C1155-2-2	2013-05		Insulation coordination for equipment within low-voltage system – Part 2-2: Interface considerations – Application guide
15620-3	C1155-3	2013-05		Insulation coordination for equipment within low-voltage system – Part 3: Use of coating, potting or moulding for protection against pollution
15620-4	C1155-4	2013-05		Insulation coordination for equipment within low-voltage system – Part 4: Consideration of high-frequency voltage stress
15620-5	C1155-5	2013-05		Insulation coordination for equipment within low-voltage systems - Part 5: Comprehensive method for determining clearances and creepage distances equal to or less than 2 mm
*	15663	C1156	2013-07	Guidance to reduction of the restricted chemical substances in electrical and electronic equipments
	15709	C1157	2014-02	Use of conventional touch voltage limits - Application guide
	15710-1	C1158-1	2014-02	Effects of current on human beings and livestock - Part 1: General aspects
	15710-2	C1158-2	2014-02	Effects of current on human beings and livestock - Part 2: Special aspects
	15710-3	C1158-3	2014-02	Effects of current on human beings and livestock - Part 3: Effects of currents passing through the body of livestock
	15710-4	C1158-4	2014-02	Effects of current on human beings and livestock - Part 4: Effects of lightning strokes
	15710-5	C1158-5	2014-06	Effects of current on human beings and livestock - Part 5: Touch voltage threshold values for physiological effects
	15772	C1159	2015-03	Degrees of protection provided by enclosures for electrical equipment against external mechanical impacts (IK code)

		Date of		
CNS no.	Category no.	Current edition	Title	
<b>Electric Wires and Cables</b>				
*	546	C2001	2019-01	300 V Rubber insulated cords
*	666	C2002	2015-04	Bare hard-drawn single solid copper wire
	667	C2003	withdrawn	Performance of Hard-Drawn Copper Wire (Single; Non-Insulated)
*	668	C2004	2015-04	Bare hard-drawn stranded copper wires
*	670	C2005	1995-07	Tin Coated Annealed Copper Wire
	671	C2006	withdrawn	Performance of Galvanized Soft Copper Wire (Single)
*	672	C2007	1995-07	Tin Coated Annealed Stranded Copper Wires
	673	C2008	withdrawn	Soft Copper Wires (Single-Insulated)
	674	C2009	withdrawn	Soft Copper Wires (Multi-Stranded, Single-Insulated)
*	675	C2010	2019-01	600 V Rubber insulated wire
	676	C2011	withdrawn	Copper Stranded Wires, Double Insulated (for 600 Volts and Below)
*	679	C2012	1998-12	600 V Polyvinyl chloride insulated wires
	878	C2013	withdrawn	600 V Grade Natural Rubber Insulated and Sheathed Portable Power Cables (→ CNS 10741)
	879	C2014	withdrawn	600 Volts Grade Natural Rubber Insulated and Sheathed Portable Power Cable, 1st Kind
	880	C2015	withdrawn	600 Volts Grade Natural Rubber Insulated and Sheathed Portable Power Cable, Type 2
	881	C2016	withdrawn	600 Volts Grade Natural Rubber Insulated and Sheathed Portable Power Cable, Type 3
	882	C2017	withdrawn	600 V Grade Natural Rubber Insulated and Sheathed Portable Power Cable, Type 4
	928	C2018	withdrawn	General Rules for Belt Type Paper-Insulated Cables
	929	C2019	withdrawn	600 Volts Belt Type Paper-Insulated Cables(Single Core)
	930	C2020	withdrawn	600 Volts Belt Type Paper-Insulated Cables(Double Core)
	931	C2021	withdrawn	600 Volts Belt Type Paper-Insulated Cables(Triple Core)
	932	C2022	withdrawn	3000 Volts Belt Type Paper-Insulated Cable (Single Core)
	933	C2023	withdrawn	3000 Volts Belt Type Paper-Insulated Cables (Double Core)
	934	C2024	withdrawn	3000 Volts Belt Type Paper-Insulated Cables (Triple Core)
	935	C2025	withdrawn	6000 Volts Belt Type Paper-Insulated Cables (Single Core)
	936	C2026	withdrawn	6000 Volts Belt Type Paper-Insulated Cables (Triple Core)
	937	C2027	withdrawn	10000 Volts Belt Type Paper-Insulated Cables (Single Core)
	938	C2028	withdrawn	10000 Volts Belt Type Paper-Insulated Cables (Triple Core)
	939	C2029	withdrawn	15000 Volts Belt Type Paper-Insulated Cables (Single Core)
*	1364	C2030	2015-04	Bare soft single solid copper wire
*	1365	C2031	2015-04	Bare soft stranded copper wires
*	1366	C2032	1995-07	Tinned Hard-drawn Solid Copper Wires
*	1367	C2033	1995-07	Tinned Hard-drawn Stranded Copper Wires
*	1368	C2034	1995-07	Bare Half-hard-drawn Solid Copper Wires
*	1369	C2035	1987-07	Weather-proof P. E. Insulated Wires
*	2063	C2036	1987-11	Outdoor Nylon Sheathed Telephone Wires for Communication Lines
*	2146	C2037	withdrawn	600 V rubber insulated lead sheathed cables
*	2182	C2038	1997-08	Oleo-resinous enamelled round copper winding wires
*	2183	C2039	1997-08	Polyester enamelled round copper winding wires
*	2184	C2040	1997-08	Polyvinyl formal enamelled round copper winding wires
*	2185	C2041	1997-08	Polyurethane enamelled round copper winding wires
*	2225	C2042	1986-05	Low Voltage Fuses
*	2226	C2043	1984-12	Low-Voltage Link-Fuses
*	2227	C2044	1984-12	Low-Voltage Cartridge Fuses
*	2548	C2045	1980-07	Connecting Wire for Dry Battery
*	2549	C2046	1993-10	Soft Copper Binding Wire
*	2655	C2047	2015-01	Cross-linked polyethylene insulated polyvinyl chloride jacketed cables
*	2698	C2048	withdrawn	Varnish cloth insulated wire
*	2727	C2049	1987-09	Round Aluminium Electrical Wire, Solid
*	2728	C2050	1987-12	Aluminium Stranded Wires for Insulated Cables

	Date of			
CNS no.	Category no.	Current edition	Title	
*	2899	C2051	1991-05	Polyvinyl Chloride Insulated Telephone Cable
*	2900	C2052	1984-05	Polyvinyl Chloride Insulated Copper Wire
*	3199	C2053	2019-01	Polyvinyl chloride insulated cords
*	3205	C2054	1994-12	PE Insulated Star Quad Alpeh Cable
	3206	C2055	withdrawn	Glass-fiber-covered round copper wire
	3207	C2056	withdrawn	Double glass-fiber-covered rectangular copper wire
	3262	C2057	withdrawn	Eight pair submarine cable (Star quad paper-insulated,lead-sheathed steel wire armoured)
*	3301	C2058	2019-10	600 V Grade polyvinyl chloride insulated and sheathed cables
*	3471	C2059	1997-08	PE-insulated pair type aluminium tape shield, PE-sheathed, telephone cable
*	3619	C2060	1990-08	Aluminium Conductors Steel Reinforced (ACSR)
	3740	C2061	withdrawn	Seven Pair Submarine Cable (Double Steel Wire Armoured)
*	4618	C2062	1995-01	Water - Cooled Secondary Cables for Portable Spot Welding Machines
	4735-1	C2063-1	2004-01	50Ω and 75Ω Radio-frequency coaxial cables Part 1 : General requirements and measuring methods
	4735-2	C2063-2	2004-01	50Ω and 75Ω Radio-frequency coaxial cables Part 2 : Relevant cable specifications
*	4898	C2064	1997-05	Control cables
*	5744	C2065	1989-05	Half - Hard - Drawn Aluminium Wires for Electric Purposes
	5747	C2066	2017-03	Rubber insulated lead wires for electric machinery and apparatus
*	5748	C2067	withdrawn	Double cotton covered rectangular wire
	5749	C2068	1989-07	Rectangular Copper Wires for Electrical Purposes
*	5750	C2069	1990-08	Annealed Copper Wires for Winding Wires
	6061	C2070	withdrawn	Tin Coated Piano Wire for Armature Binding
*	6062	C2071	1990-08	Tin Coated Non - Magnetic Steel Wire for Armature Binding
*	6063	C2072	1989-07	1000 V Grade Insulated Wires for Fluorescent Lamps
*	6064	C2073	1987-10	Insulated Wire for Neon Tube
	6066	C2074	1997-12	Self-bonding polyurethane enamelled round copper winding wires
*	6068	C2075	withdrawn	Rubber insulated poly-chloroprene sheathed cables
	6069	C2076	withdrawn	Polychloroprene Sheathed Lead Wire for Electric Machinery and Apparatus
*	6070	C2077	2019-10	600 V Polyvinyl chloride insulated wire for electrical apparatus
*	6071	C2078	1987-12	600 V Silicon Rubber Insulated Glass Fiber Braided Wires
	6072	C2079	withdrawn	Silicon Rubber Insulated Glass Fiber Braided Lead Wire for Electric Machinery and Apparatus
*	6073	C2080	withdrawn	High - voltage drop wire for pole transformer
*	6074	C2081	1990-03	Steel Tape Armor and Anti - Corrosive Layer for Electric Cables
*	6075	C2082	1989-07	6.6 KV Insulated Wire for Cubicle Type Unit Substation
*	6077	C2083	2004-01	Coaxial cables for television receiver
*	6554	C2084	1985-07	General Rules for Enameled Copper Wires
	6555	C2085	1998-02	Polyvinyl formal enamelled rectangular copper winding wires
*	6556	C2086	2021-12	600 V Grade polyvinyl chloride insulated and sheathed portable power cables
	6645	C2087	withdrawn	Cambric insulated wires
*	6646	C2088	1992-06	High-Voltage Cables for Automobiles
*	6648	C2089	1992-06	Low-Voltage Cables for Automobiles
	6650	C2090	1985-05	High Tension Cables for X - ray Apparatus
	6770	C2091	withdrawn	Cables of embedded direct in concrete
	7125	C2092	1986-11	High - Voltage Resistance Cables for Automobiles
	7353	C2093	1983-02	Cotton Covered Copper Wires and Silk Covered Copper Wires
	7354	C2094	1981-05	Hard Drawn Aluminium Stranded Conductors
	7357	C2095	1997-12	Polyvinyl formal enamelled round aluminium winding wires
*	7780	C2096	1990-06	Plastic Bobbins for Enamel Wires
*	7781	C2097	2019-10	Polyvinyl chloride insulated drop service wires
	7782	C2098	withdrawn	ACSR conductor polyvinyl chloride insulated out-door weather proof wires

		Date of		
CNS no.	Category no.	Current edition	Title	
	7783	C2099	1991-12	600 V Grade Aluminum Conductor Polyvinyl Chloride Insulated Wires
*	7966	C2100	1997-08	Polyesteramide enamelled round copper winding wires
	7967	C2101	withdrawn	600 V Grade Natural Rubber Insulated and Polychloroprene Sheated Portable Power Cables (→CNS 10741)
	7968	C2102	withdrawn	Galvanized low carbon steel wires for armouring cable
*	8379	C2103	2019-01	600 V Grade heat-resistant polyvinyl chloride insulated wires
*	8558	C2104	1996-04	Aluminium Conductor Polyvinyl Chloride Insulated Service Drop Wires
*	8559	C2105	2021-12	Outdoor weatherproof polyvinyl chloride insulated wires
	8560	C2106	withdrawn	2 P * 1.2 mm PE insulated star quad armoured cable
	8561	C2107	withdrawn	2 P * 1.2 mm PE insulated star quad pipe guide cable
*	8935	C2108	2015-08	Welding cables
	8936	C2109	1990-03	Travelling Cables for Elevators
	9124	C2110	2000-01	General rules for cables and flexible cords for electrical equipment of ships
	9126	C2111	2000-01	660V Single core EPR insulated PVC sheathed metal netting covered cable(660V-SPYC) and 660V single-core EPR insulated PVC sheathed metal netting covered PVC anti-corrosion cable
	9127	C2112	2000-01	660V Twin-core EPR insulated PVC sheathed metal netting covered cable(660V-DPYC) and 660V twin-core EPR insulated PVC sheathed metal netting covered PVC anti-corrosion cable (660V-
	9128	C2113	2000-01	660V Three-core EPR insulated PVC sheathed metal netting covered cable(660V-TPYC) and 660V three-core EPR insulated PVC sheathed metal netting covered PVC anti-corrosion cable
	9129	C2114	1988-04	660V Single-Core EPR Insulated CP Sheathed Metal Netting Covered Cable(660V-SPNC) and 660V Single-Core EPR Insulated CP Sheathed Metal Netting Covered PVC Anti-Corrosion Cable (660-
	9130	C2115	1988-04	660V Twin-Core EPR Insulated CP Sheathed Metal Netting Covered Cable(660V-DPNC) and 660V Twin-Core EPR Insulated CP Sheathed Metal Netting Covered PVC Anti-Corrosion Cable (660V-
	9131	C2116	1988-04	660V Three-Core EPR Insulated CP Sheathed Metal Netting Covered Cable(660V - TPNC) and 660V Three-Core EPR Insulated CP Sheathed Metal Netting Covered PVC Anti - Corrosion Cable
	9132	C2117	1988-04	660V Single-Core EPR Insulated Lead Sheathed Metal Netting Covered Cable(660V-SPLC) and 660V Single-Core EPR Insulated Lead Sheathed Metal Netting Covered PVC Anti-corrosion Cable
	9133	C2118	1988-04	660V Twin-Core EPR Insulated Lead Sheathed Metal Netting Covered Cable(660V-DPLC) and 660V Twin-core EPR Insulated Lead Sheathed Metal Netting Covered PVC Anti-Corrosion Cable
	9134	C2119	1988-04	660V Three-Core EPR Insulated Lead Sheathed Metal Netting Covered Cable(660V-TPLC) and Three-Core EPR Insulated Lead Sheathed Metal Netting Covered PVC Anti-Corrosion Cable (600V-
	9135	C2120	1989-05	250V Single-Core, Twin-Core, Three-Core EPR Insulated PVC Sheathed Metal Netting Covered Cable (250V-SPYC, 250V-DPYC, 250V-TPYC) and PVC Anti-Corrosion Cable (250V-SPYCY, 250V-
	9136	C2121	1989-05	250V Single-Core, Twin-Core, Three-Core EPR Insulated CP Sheathed Metal Netting Covered Cable (250V-SPNC, 250V-DPNC, 250V-TPNC) and PVC Anti-Corrosion Cable (250V-SPNCY, 250V-
	9137	C2122	1988-04	250V Single-Core, Twin-Core Three-Core ERR Insulated PVE Sheathed Cable (250V-SPY, 250V-DPY, 250V-TPY) for Marine Use
	9138	C2123	1988-04	660V Multi-Core EPR Insulated PVC Sheathed Metal Netting Covered Cable(660V-MPYC) and 660V Multi-Core EPR Insulated PVC Sheathed Metal Netting Covered PVC Anti-Corrosion Cable
	9139	C2124	1988-07	660V Multi-Core EPR Insulated CP Sheathed Metal Netting Covered Cable (660V-MPNC) and 660V Multi-Core EPR Insulated CP Sheathed Metal Netting Covered PVC Anti-Corrosion Cable (660V-
	9140	C2125	1988-07	660V Multi-Core EPR Insulated Lead Sheathed Metal Netting Covered Cable (660V-MPLC) and 660V Multi-Core EPR Insulated

CNS no.	Category no.	Date of		Title
		Current edition		
9141	C2126	1988-07		Lead Sheathed Metal Netting Covered PVC Anti-corrosion Cable 250V Multi-Core EPR Insulated PVC Sheathed Metal Netting Covered Cable (250V-MPYC) and 250V Multi-Core EPR Insulated PVC Sheathed Metal Netting Covered PVC Anti-Corrosion Cable
9142	C2127	1988-07		250V Multi-Core EPR Insulated CP Sheathed Metal Netting Covered Cable (250V-MPNC) and 250V Multi-Core EPR Insulated CP Sheathed Metal Netting Covered PVC Anti-Corrosion Cable (250V-
9143	C2128	1988-07		250V Multi-Core EPR Insulated Lead Sheathed Metal Netting Covered Cable(250V-MPLC) and 250V Multi-Core EPR Insulated Lead Sheathed Metal Netting Covered PVC Anti-Corrosion Cable
9144	C2129	1988-07		250 V PVC Insulated PVC Sheathed Metal Netting Covered Telephone Cable(250V-TTYC) and 250V PVC Insulated PVC Sheathed Metal Netting Covered PVC Anti-Corrosion Telephone
9145	C2130	1988-07		660V, Single-Core, Twin-Core, Three-Core Silicon Rubber Insulated Glass Fibber Braided Cable(660V-SSRD, 660V-DSRD, 660V-TSRD) for Marine Use
9146	C2131	1988-07		660V Single-Core, Twin-Core, Three-Core Silicon Rubber Insulated Lead Covered Metal Netting Covered Cable (660V-SSRLC, 660V- TSRLC) for Marine Use
9147	C2132	1988-07		660V Twin-Core, Three-core, Four-Core EPR Insulated CP Cab-Tyre Cable (660V-DPNP, 660V-TPNP, 660V-FPNP) for Marine Use
9148	C2133	1988-07		250V Three-Core PVC Insulated PVC Sheathed Cord (250V-TYP) for Marine Use
9149	C2134	withdrawn		660V, PVC asbestos insulating wire of panel(660V-STW) for marine use
9150	C2135	withdrawn		660V, Single-core flexible PVC asbestos insulating wire of panel (660V-STWP) for marine use
9151	C2136	1989-05		660V, Single-Core, Twin-Core, Three-Core, EPR Insulated PVC Sheathed Metal Netting Covered Cable and 660V, Single-Core, Twin-Core, Three-Core, EPR Insulated PVC Sheathed Metal Netting
9152	C2137	1988-10		660V, Single-Core, Twin-Core, Three-Core, EPR Insulated CP Sheathed Metal Netting Covered Cable and 660V Single- Core,Three-Core EPR Insulated CP Sheathed Metal Netting
9153	C2138	1988-10		660V, Twin-Core, Three-Core EPR Insulated PVC Sheathed Metal Netting Covered Cable and 660V Twin-Core, Three-Core EPR Insulated PVC Sheathed Metal Netting Covered PVC Anti-Corrosion
9154	C2139	1988-10		660V, Twin-Core, Three-Core EPR Insulated CP Sheathed Metal Netting Covered Cable and 660V Twin-Core, Three-Core EPR Insulated CP Sheathed Metal Netting Cover PVC Anti-Corrosion
9155	C2140	1988-10		250V, Single-Core, Twin-Core, Three-Core, EPR Insulated PVC Sheathed Metal Netting Covered Cable and 250V Single-Core, Twin-Core, Three-Core EPR Insulated PVC Sheathed Metal Netting
9156	C2141	1988-10		250V,Single-Core,Twin-Core,Three-Core,EPR Insulated CP Sheathed Metal Netting Covered Cable 250V Single-Core Three- Core EPR Insulated CP Sheathed Metal Netting Covered PVC
9157	C2142	1988-10		250 Twin-Core,Three-Core EPR Insulated PVC Sheathed Metal Netting Covered Cable and 250V Twin-Core, Three-core EPR Insulated PVC Sheathed Metal Netting Covered PVC Anti-Corrosion
9158	C2143	1988-10		250V Twin-Core,Three-Core EPR Insulated,CP Sheathed Metal Netting Covered Cable and 250V Twin-Core,Three-Core EPR Insulated Metal Netting Covered PVC Anti-Corrosion Cable for
9159	C2144	1988-10		660V, Multi-Core EPR Insulated PVC Sheathed Metal Netting Covered Cable and 660V Multi-Core EPR Insulated PVC Sheathed Metal Netting Covered PVC Anti-Corrosion Cable for Marine Use
9160	C2145	1988-10		660V, Multi-Core EPR Insulated CP Sheathed Metal Netting Covered Cable and 660V Multi-Core EPR Insulated CP Sheathed Metal CP Sheathed Metal Netting Covered PVC Anti-Corrosion
9161	C2146	1988-10		660V, Multi-Core EPR Insulated PVC Sheathed Metal Netting

		Date of		
CNS no.	Category no.	Current edition	Title	
9162	C2147	1989-01	Covered Cable and 660V Multi-Core EPR Insulated PVC Sheathed Metal Netting Covered PVC Anti-Corrosion Cable for Marine Use	
9163	C2148	1989-01	660V Multi-Core EPR Insulated CP Sheathed Metal Netting Covered Cable and 660V Multi-Core EPR Insulated CP Sheathed Metal Netting Covered PVC Anti-Corrosion Cable for Marine Use	
9164	C2149	1989-01	250V, Multi-Core EPR Insulated PVC Sheathed Metal Netting Convered Cable and 250V Multi-Core EPR Insulated PVC Sheathed Metal Netting Covered PVC Anti-Corrosion Cable for Marine Use	
9165	C2150	1989-01	250V Multi-Core EPR Insulated CP Sheathed Metal Netting Covered Cable and 250V Multi-Core EPR Insulated CP Sheathed Metal Netting Covered PVC Anti-Corrosion Cable for Marine Use	
9166	C2151	1989-01	250V Multi-Core EPR Insulated PVC Sheathed Metal Netting Covered Cable and 250V Multi-Core EPR Insulated CP Sheathed Metal Netting Covered PVC Anti-Corrosion Cable for Marine Use	
9167	C2152	1989-01	250V Multi-Core EPR Insulated CP Sheathed Metal Netting Covered Cable and 250V Multi-Core EPR Insulated CP Sheathed Metal Netting Covered PVC Anti-Corrosion Cable for Marine Use	
9168	C2153	1989-01	250V PVC Insulated PVC Sheathed Metal Netting Covered Telephone Cable and 250V PVC Insulated PVC Sheathed Metal Netting Covered PVC Anti-Corrosion Telephone Cable for Marine	
9975	C2154	withdrawn	250V PVC Insulated PVC Sheathed Metal Netting Covered Telephone Cable and 250V PVC Insulated PVC Sheathed Metal Netting Covered PVC Anti-Corrosion Telephone Cable for Marine	
9976	C2155	withdrawn	WF-8/G Four-Core Telephone Cables	
9977	C2156	withdrawn	Silk and polyester fiber covered resistance wires	
			Enamelled resistance wires and oleo-resinous enamelled silk covered resistance wires	
			High temperature insulated electrical wire (general rules)	
			600V Grade polyethylene insulated wires for electrical apparatus	
*	10238	C2157	withdrawn	
	10314	C2158	2019-10	
*	10599	C2159	2004-01	
	10612	C2160	withdrawn	
	10613	C2161	withdrawn	
	10614	C2162	withdrawn	
	10615	C2163	withdrawn	
	10616	C2164	1992-04	
	10741	C2165	2019-01	
*	11164	C2166	1991-03	
*	11359	C2167	2019-06	
	11382	C2168	1985-10	
	11383	C2169	1985-10	
	11384	C2170	1985-10	
	11385	C2171	1985-10	
	12726	C2172	1998-11	
*	13589	C2173	1995-10	
*	13647	C2174	1996-04	
	13990	C2175	1997-12	
	14264	C2176	1998-11	
	14268	C2177	1998-11	
	14283	C2178	2009-03	



CNS no.	Category no.	Date of		Title
		Current edition		
14284	C2179	1998-12		Polyethylene insulated polyvinyl chloride sheathed (PE-PVC) indoor carpet cables
14285	C2180	1998-12		Polyethylene insulated polyvinyl chloride sheathed (PE-PVC) drop wires
14515	C2181	2001-03		Colour coded polyethylene insulated laminated aluminum polyethylene sheathed cables
14516	C2182	2001-03		Polyvinylchloride insulated polyvinylchloride sheathed terminated cables
14744	C2183	2003-06		Chlorosulfurnated polyethylene insulated cables
14796-1	C2184-1	withdrawn		Rubber insulated cables-rated voltages up to and including 450/750V Part 1:General requirements
14796-2	C2184-2	withdrawn		Rubber insulated cables of rated voltages up to and including 450/750V Part 2:Test methods
14796-4	C2184-4	withdrawn		Rubber insulated cables-rated voltages up to and including 450/750V Part 4:Cords and flexible cables
60228	C2185	2015-07		Conductors of insulated cables
60227-1	C2186-1	2017-08		Polyvinyl chloride insulated cables of rated voltages up to and including 450/750 V – Part 1: General requirements
60227-2	C2186-2	2017-08		Polyvinyl chloride insulated cables of rated voltages up to and including 450/750 V – Part 2: Test methods
60227-3	C2186-3	2017-08		Polyvinyl chloride insulated cables of rated voltages up to and including 450/750 V – Part 3: Non-sheathed cables for fixed wiring
60227-4	C2186-4	2017-08		Polyvinyl chloride insulated cables of rated voltages up to and including 450/750 V – Part 4: Sheathed cables for fixed wiring
60227-5	C2186-5	2017-08		Polyvinyl chloride insulated cables of rated voltages up to and including 450/750 V – Part 5: Flexible cables (cords)
60227-6	C2186-6	2020-05		Polyvinyl chloride insulated cables of rated voltages up to and including 450/750 V – Part 6: Lift cable and cable for flexible connections
60227-7	C2186-7	2020-05		Polyvinyl chloride insulated cables of rated voltages up to and including 450/750 V – Part 7: Flexible cables screened and unscreened with two or more conductors
60245-1	C2187-1	2019-01		Rubber insulated cables – Rated voltages up to and including 450/750 V – Part 1: General requirement
60245-2	C2187-2	2019-01		Rubber insulated cables – Rated voltages up to and including 450/750 V – Part 2: Test methods
60245-3	C2187-3	2019-01		Rubber insulated cables – Rated voltages up to and including 450/750 V – Part 3: Heat resistant silicone insulated cables
60245-4	C2187-4	2019-01		Rubber insulated cables – Rated voltages up to and including 450/750 V – Part 4: Cords and flexible cables
60245-5	C2187-5	2019-01		Rubber insulated cables – Rated voltages up to and including 450/750 V – Part 5: Lift cables
60245-6	C2187-6	2019-01		Rubber insulated cables – Rated voltages up to and including 450/750 V – Part 6: Arc welding electrode cables
60245-7	C2187-7	2019-01		Rubber insulated cables – Rated voltages up to and including 450/750 V – Part 7: Heat resistant ethylene-vinyl acetate rubber insulated cables
60245-8	C2187-8	2019-01		Rubber insulated cables – Rated voltages up to and including 450/750 V – Part 8: Cords for applications requiring high flexibility
62930	C2188	2021-01		Electric cables for photovoltaic systems with a voltage rating of 1.5 kV DC

## Testing and Inspection

	181	C3001	withdrawn	Testing Code for Watt Hour Meters
*	298	C3002	1994-04	Incandescent Lamp Bulbs for General Lighting Service
	599	C3003	withdrawn	Method of test for distribution transformer(replaced by CNS 598)
*	682	C3004	withdrawn	General rules for testing standard of insulated wires
	683	C3005	withdrawn	Testing Standard for Packing, Contour and Structure of Insulated

		Date of		
CNS no.	Category no.	Current edition		Title
				Wires
*	684	C3006	withdrawn	Testing standard for electric continuance of insulated wires
*	685	C3007	withdrawn	Testing standard for D.C. resistance of insulated conductors
*	686	C3008	withdrawn	Testing standard for conductivity of insulated conductors
	687	C3009	1987-09	Methods of Test for Rubber Insulated Wires and Cables
	688	C3010	withdrawn	Testing Standard for Double-Cotton Covered Wires and Strands
*	689	C3011	1988-03	Method of Test for Plastic Insulated Wires and Cables
	694	C3012	withdrawn	Testing Standard for Lamp Holders of Seat Type (→CNS 10902)
*	720	C3013	1984-06	Method of Test for Miniature Lamps
*	804	C3014	withdrawn	Testing standard for illuminating equipments of bicycles
	883	C3015	withdrawn	Method of Test for Rubber-insulated Cables
	907	C3016	withdrawn	Method of test for ceramic insulators for communication line
	940	C3017	withdrawn	Method of Test for Belt Type Paper-Insulated Cables
	1013	C3018	withdrawn	Method of Test for Ballast of Fluorescent Lamps (→CNS 927)
*	1030	C3019	1982-11	Method of Test for Flash Light
	1055	C3020	withdrawn	Testing standard for electrical lamps of fishing use
*	1144	C3021	1969-06	Method of Test for Insulated Rubber Tape
	1149	C3022	withdrawn	Method of test for pins for telephone line insulators
	1266	C3023	withdrawn	Testing Standard for Breakers (Withdrawn)
	1268	C3024	withdrawn	Testing Standard for Lineman's Safety Belts (Withdrawn)
	1327	C3025	1994-06	Testing Method of Electrical Insulating Oils
*	1370	C3026	1987-07	Testing Standard of Electrical Copper Wires
	2604	C3027	1988-10	Method of Test for Varnish for Electrical Insulation
	2604-1	C3027-1	1988-10	Subsidiary Methods of Test for Varnishes for Electrical Insulation
	2802	C3028	1968-01	Method of Test for Insulating Compound
	2961	C3029	withdrawn	Testing Standard for Transformers of Connection Use (→CNS 599)
	2963	C3030	1975-02	Method of Test for the Life of Electric Heating Wire and Ribbon
	3201	C3031	1983-04	Method of Test for Permanent Magnet
	3204	C3032	withdrawn	Method of test for graphite electrode
	3226	C3033	1985-08	Method of Test for Insulating Varnish
	3257	C3034	1985-06	Method of Test for Blotting Paper for Dry Batteries
*	3263	C3035	withdrawn	Method of test for electric storage tank water heaters
	3307	C3036	1972-06	General Rules for Silver-Plating
	3431	C3037	1982-12	Method of Test for Varnish for Dry Battery
	3543	C3038	withdrawn	Methods of testing vitrified ceramic materials for electrical applications
	3741	C3039	1985-07	Method of Test for Glow Starters for Fluorescent Lamp
	3806	C3040	withdrawn	Method of Test for Range Hood (→CNS 3805)
	3888	C3041	withdrawn	Method of test for ballasts for fluorescent lamp (→CNS 927)
	3889	C3042	withdrawn	Method of test for lighting fitting for fluorescent lamps (Pre-heat type) (replaced by CNS 14335)
*	3890	C3043	withdrawn	Method of test for ballasts for high pressure mercury vapour lamps
	3891	C3044	1986-07	Method of Test for Incandescent Lamps for General Lighting Service
	3907	C3045	1988-03	Method of Test for Plugs and Receptacles for Domestic and Similar General Use
	3908	C3046	1987-07	Method of Test for Wiring Devices
	3909	C3047	1981-06	Method of Test for Single Phase Panelboards
	3911	C3048	withdrawn	Method of Test for Drinking Water Supply (→CNS 3910)
	3984	C3049	withdrawn	Method of Test for Oleo-Resinous Enameled Copper Wires
	3985	C3050	withdrawn	Method of Test for Polyester Enameled Copper Wires
	3986	C3051	withdrawn	Method of Test for Polyvinyl Formal Enameled Copper Wires
	3987	C3052	withdrawn	Method of Test for Polyurethane Enameled Copper Wires
	3991	C3053	1995-07	Method of Test for A.C. Metal-enclosed Switchgear and Controlgear for Rated Voltages from 3.3 kV to 36 kV

	Date of			
CNS no.	Category no.	Current edition	Title	
3993	C3054	1981-06	Method of Test for High Voltage Alternating Current Starters	
3995	C3055	1985-08	Method of Test for High Voltage Combination Starters	
4614	C3056	1978-10	Method of Determining the Light Output of Photo Flash Lamps	
4617	C3057	withdrawn	Method of test for electric hoists	
4619	C3058	1995-01	Method of Test for Water - Cooled Secondary Cables for Portable Spot Welding Machines	
4674	C3059	withdrawn	Tumble dryers for household use – Methods for measuring the performance (replaced by CNS 61121)	
*	4705	C3060	1979-01	Method of Test for Photoelectric Controls for Public Lighting
*	4775	C3061	1987-01	Method of Test for Electric Hotplates
*	4777	C3062	1987-04	Method of Test for Electric Radiant Heater
*	4779	C3063	1987-04	Method of Test for Electric Irons
	4781	C3064	withdrawn	Method of test for electric vacuum cleaners
*	4874	C3065	1987-08	Method of Test for Electric Warm Pad
*	4971	C3066	1979-09	Method of Test for Boxes for Unplasticized Polyvinyl Chloride (UPVC) Conduit
	5031	C3067	1984-03	Method of Test for Projection Welding Machine
	5064	C3068	1994-08	Methods of luminance measurements
	5065	C3069	1988-10	Methods of Illumination Measurements
	5118	C3070	1994-08	Photometric Measurement on Working Standard Incandescent Lamps
	5197	C3071	1980-02	Photometric Measurement on Standard Fluorescent Lamps
	5311	C3072	withdrawn	Method of shock test for electric machine and equipment
	5315	C3073	1980-03	The Test Methods of Panel Board Units
	5317	C3074	withdrawn	Method of test for enclosed switches for low voltage
*	5416	C3075	1991-09	Method of Test for Electric Baking Ovens
	5418	C3076	1994-06	Method of Test for Compression Tools for Wire Connectors of Interior Wiring
	5423	C3077	withdrawn	Method of test for residual current protective device (→CNS 5422)
	5424	C3078	withdrawn	Method of vibration test for electric machine and equipment
	5536	C3079	1987-07	Method of test for small switch of single-phase motors
	5745	C3080	1987-07	Method of test for Electrical Copper and Aluminium Wires
	6019	C3081	1984-12	Method of Test for Indicating Thermoelectric Thermometers
	6021	C3082	1984-12	Method of Test for Indicating Resistance Thermometers
	6023	C3083	withdrawn	Method of test for resistance bulbs
	6025	C3084	withdrawn	Method of test for thermistor for temperature measurement
*	6027	C3085	withdrawn	Method of test for standard cells
*	6029	C3086	1985-06	Method of Test for Manganese Dry Cells and Batteries
	6031	C3087	withdrawn	Method of test for air dry batteries
	6033	C3088	1987-09	Method of Test for Alkaline Primary Cells and Batteries
	6037	C3089	1980-08	Method of Test for Sealed Nickel-Cadmium Cylindrical Rechargeable Single Cells
	6039	C3090	withdrawn	Method of Test for Stationary Lead-Acid Batteries (→CNS 6038)
	6040	C3091	1980-08	Method of Test for Electric Strength of Solid Insulating Materials
	6041	C3092	1985-09	Methods of Test for Electrical Insulating Papers ,Pressboard and Press Paper
	6053	C3093	withdrawn	Method of Test for Small Switches for Street Lamp
	6055	C3094	withdrawn	Method of test for lampholders and starterholders for fluorescent lamps
	6057	C3095	1992-04	Methods of Test for Fuses for the Protection of Low-Voltage Cables and Lines
	6060	C3096	withdrawn	Method of test for low-voltage cut outs
*	6065	C3097	withdrawn	Testing method of insulated wires for neon tube
	6067	C3098	withdrawn	Method of Test for Self-Bonding Polyurethane Enameled Copper Wire
	6076	C3099	1989-07	Methods of Test for 6.6 KV Insulated Wire for Cubicle Type Unit Substation

		Date of		
CNS no.	Category no.	Current edition	Title	
6078	C3100	2004-01	Method of test for coaxial cables for television receiver	
6431	C3101	withdrawn	Method of test for household sewing machine lamps	
6557	C3102	withdrawn	Method of Test for 600V Grade Polyvinylchloride Insulated and Sheathed Portable Power Cables	
6647	C3103	1992-06	Methods of Test for High-Voltage Cables for Automobiles	
6649	C3104	1992-06	Method of Test for Low-Voltage Cables for Automobiles	
6652	C3105	withdrawn	Method of test for compensating lead wires	
6654	C3106	1991-11	Method of Test for Hook Bars for Disconnecting Switch Operation	
6772	C3107	1993-07	Methods of Test for Insulating Porcelains	
6773	C3108	1993-07	Permissible Limits of Visual Defects for Insulating Porcelains	
6889	C3109	1986-02	Method of Test for DC Solenoids for General Purpose	
6891	C3110	1986-02	Method of Test for AC Solenoids for General Purpose	
7007	C3111	1985-07	Method of Test for Glass Tubing for Fluorescent Lamps	
7009	C3112	1992-06	Method of Test for Two-Phase Servomotors	
7122	C3113	withdrawn	Methods of test for 6.6 kV disconnecting switch for indoor use	
7124	C3114	withdrawn	Method of test for AC load break switches with tripping device	
7126	C3115	1986-11	Method of Test of High-Voltage Resistance Cables for Automobiles	
7210	C3116	1981-04	Method of Test for Impulse Sealer	
*	7214	C3117	2010-11	Test methods for magnetic steel sheet and strip
	7355	C3118	1987-09	Method of Test for Round Aluminium Wire for Electrical Wire, Solid
	7358	C3119	1981-05	Method of Test for Chargers for Cells
	7600	C3120	1981-06	Testing Method of Varnished Cloth and Paper for Electrical Insulation
	7620	C3121	withdrawn	Method of Test for Air Cleaners
	7622	C3122	withdrawn	Method of test for control switches
	7624	C3123	1981-07	Method of Test for Button Control Switches
	7626	C3124	1981-07	Method of Test for Cam Operated Control Switches
	7628	C3125	1984-06	Method of Test for Motor Driven Timer
	7629	C3126	1981-07	Method of Test for Change of Resistance with Temperature of Metallic Materials for Electrical Heating
	7630	C3127	withdrawn	Method of test for lamination factor of magnetic materials
	7631	C3128	1981-07	Method of Test for Surface Insulation Resistivity of Multi-Strip Specimens
	7632	C3129	withdrawn	Method of measuring voltage drop on closed contacts where over 100 amperes flow through the contacts
	7965	C3130	1995-06	Method of Test for Electric Bench Grinders
	8355	C3131	1988-08	Method of Test for Electrical Insulating Mica Product
	8378	C3132	1982-01	Voltage Measurement Method with Sphere Gap
*	8780	C3133	2012-10	Electric water heater (instant heating type) with insulated heating elements
	8781	C3134	1988-09	General Rules for Testing of Heat Shrinkable Tubing for Electrical Insulation
	8782	C3135	1988-09	Method for Determining Dimension of Heat Shrinkable Tubing for Electrical Insulation
	8783	C3136	1988-09	Method of Test for Contraction Percentage of Heat Shrinkable Tubing for Electrical Insulation
	8784	C3137	1988-09	Method of Test for Tensile of Heat Shrinkable Tubing for Electrical Insulation
	8785	C3138	1988-09	Method of Test for Electric Strength of Heat Shrinkable Tubing for Electrical Insulation
	8786	C3139	1988-09	Method for Determining Resistivity of Heat Shrinkable Tubing for Electrical Insulation
	8787	C3140	1988-09	Method for Determining Dielectric Constant and Dielectric Dissipation Factor of Heat Shrinkable Tubing for Electrical Insulation
	8788	C3141	1988-09	Method of Test for Water Absorption of Heat Shrinkable Tubing for Electrical Insulation
	8789	C3142	1988-09	Method of Test for Solvent Resistance of Heat Shrinkable Tubing for Electrical Insulation

Date of				
CNS no.	Category no.	Current edition	Title	
8790	C3143	1988-09	Method of Test for Thermal Resistance of Heat Shrinkable Tubing for Electrical Insulation	
8791	C3144	1988-09	Method of Test for Low-Temperature Characteristics of Heat Shrinkable Tubing for Electrical Insulation	
8792	C3145	1988-09	Method of Test for Thermal Impact Resistance of Heat Shrinkable Tubing for Electrical Insulation	
8793	C3146	1988-09	Method of Test for Combustion Resistance of Heat Shrinkable Tubing for Electrical Insulation	
8794	C3147	1988-09	Method of Test for Preservation of Heat Shrinkable Tubing for Electrical Insulation	
8795	C3148	1988-09	Method of Test for Copper Corrosion of Heat Shrinkable Tubing for Electrical Insulation	
8796	C3149	1982-05	Method of Test for A. C Electromagnetic Switches	
8937	C3150	1990-03	Method of Test for Travelling Cables for Elevators	
8938	C3151	1993-08	Methods of Test for Enamelled Copper and Enamelled Aluminium Wires	
9081	C3152	withdrawn	Method of test to prove protection against ingress of water for electrical equipment	
9082	C3153	withdrawn	Testing method of silicone varnish for electrical insulation	
9083	C3154	withdrawn	Method of test for electrical silicone rubber compounds	
9084	C3155	withdrawn	Method of test for woven tapes for electrical insulation	
9085	C3156	1982-07	Method of Test for Sulphur Hexafluoride (SF <sub>6</sub> ) for Electrical Use	
9117	C3157	withdrawn	Method of test for domestic pendant luminaires for fluorescent lamps (replaced by CNS 14335)	
9119	C3158	withdrawn	Method of test for roadway lighting fitting for traffic route (→CNS9118)	
9121	C3159	withdrawn	Method of test for reflectors for lighting fittings	
9123	C3160	withdrawn	Method of test for table lamps for fluorescent lamps	
9125	C3161	2000-01	Method of test for cables and flexible cords for electrical equipment of ships	
9358	C3162	1982-09	Method of Test for Weather-proof Performance of Electricity Meters	
9478	C3163	1982-10	Method of Test for Thermoelectric Type High-Frequency Ampere Meter for Panel	
9577	C3164	withdrawn	Method of test for electric refrigerators and freezers (→CNS 2 0 6 2)	
9581	C3165	1982-11	Method of Test for Nickel Iron Soft Magnetic Alloy Sheets and Strips	
9583	C3166	1982-11	Method of test for Thermostat Metal Sheets for Electric Apparatus	
9684	C3167	1996-04	Method of Test for Rigid Steel Conduits	
9808	C3168	withdrawn	Method of test for control gear insulation	
*	9812	C3169	1995-06	Method of Test for Portable Electric Circular Saws
	9815	C3170	1983-01	Method of Test for Wires Breakage of Appliance
	9826	C3171	withdrawn	Method Test for Electrical Apparatus for Use in Explosive Gas Atmospheres
*	10315	C3172	1983-06	Classification and Test Methods for Insulation of Household Appliances and Equipments
	10317	C3173	withdrawn	Method of test for Var-hour meters (→CNS 1 0 3 1 6)
	10318	C3174	withdrawn	Method of test for fundamental properties of soft ferrites
	10319	C3175	1983-06	Method of Test for Ferrite Cores for Inductors Transformers
	10321	C3176	withdrawn	Method of test for ferrite cores for magnetic head
	10322	C3177	withdrawn	Method of test for ferrite cores for memory devices
	10598	C3178	withdrawn	Method of test for ferrite cores for microwave devices
	10601	C3179	1983-10	Method of Test for Hinge Type Electromagnetic Relays
	10604	C3180	1983-10	Method of Test for Residual Current Sensing and Relaying Equipment
*	10608	C3181	1987-08	Method of Test for Hair Curling Appliances
*	10609	C3182	1995-06	Method of Test for Portable Electric Grinders
*	10610	C3183	1995-06	Method of Test for Portable Electric Disc Grinders
	10798	C3184	2014-11	Refrigerated display cabinets - Classification, requirements and test

		Date of		
CNS no.	Category no.	Current edition		Title
				conditions
10899	C3185	1984-06		Method of Test for Flat Quick-Connect Terminals
10901	C3186	1991-05		Method of Test for Terminal Blocks for Industrial and Similar Use
10905	C3187	1994-08		Method of Test for Temperature Rise of Lamp Socket
10906	C3188	1994-08		Method of Test for Luminance Ratio of Lamps
10908	C3189	1984-06		Method of Test for Electrical Indicating Instruments
10911	C3190	1984-06		Method of Test for Microswitches
10918	C3191	1998-08		Method of test for cord sets
*	10919	C3192	2011-08	Method of test for low-voltage,three-phase squirrel-cage induction motors (For general purpose)
	10922	C3193	1984-06	Method of Test for Direct-Acting Electrical Recording Instruments
	11005	C3194	1984-09	Method of Test for Hollow Porcelain
	11161	C3195	1984-12	Method of Test for Octave and Third-Octave Band Analyzers for Sounds and Vibrations
	11163	C3196	1984-12	Method of Test for Metal Sheathed Thermocouples
	11181	C3197	1985-01	Method of Test for Enclosed Sensitive Switches
	11300	C3198	withdrawn	Method of test for electric shavers
	11431	C3199	withdrawn	Method of test for Watt-hour meters (for direct connection)
	11433	C3200	withdrawn	Method of test for Alternating-current Watt-hour meters (for connection through instrument transformer) (→CNS 11428)
	11438	C3201	withdrawn	Method of test for instrument transformers for metering service (→CNS 11437)
	11444	C3202	1985-12	Method of Test for Watt-Hour, Var-Hour and Maximum Demand Indicators for Telemetry
	12246	C3203	1988-04	Method of Test for Oil-Soluble 100% Phenolic Resins of Electricals Insulating
	12247	C3204	1988-04	Method of Test for Solventless Liquid Resin of Electrical Insulation
	12248	C3205	1988-04	Methods of Test for Pressure-sensitive Adhesive Tapes for Electrical Insulation
	12249	C3206	1988-04	Subsidiary Methods of Test for Pressure-Sensitive Adhesive Tapes for Electrical Insulation
*	12624	C3207	withdrawn	Method of test for electric storage tank boiling water heaters
	12727	C3208	1990-06	Method of Test for Control Cables with Shields
	13271	C3209	withdrawn	Method of test for pliable plastic conduits (→CNS 12152)
*	13543	C3210	1995-06	Method of Test for Low-Voltage Metal-Enclosed Switchgear
	14545-1	C3211-1	2001-06	Fire hazard testing – Part 1: Guidance for assessing fire hazard of electrotechnical products (general guidance)
	14545-2	C3211-2	2001-06	Fire hazard testing – Part 1: Guidance for the preparation of requirements and test specifications for assessing fire hazard of electrotechnical products – Guidance for electronic components
	14545-3	C3211-3	2001-06	Fire hazard testing – Part 1: Guidance for the preparation of requirements and test specifications for assessing fire hazard of electrotechnical products – Guidance for use of preselection
	14545-4	C3211-4	2001-06	Fire hazard testing – Part 2 : Test methods – Section 1/sheet 0: Glow-wire test methods – General
	14545-5	C3211-5	2001-06	Fire hazard testing – Part 2 : Test methods – Section 1/sheet 1: Glow-wire end-product test and guidance
	14545-6	C3211-6	2001-06	Fire hazard testing – Part 2 : Test methods – Section 1/sheet 2 : Glow-wire flammability test on materials
	14545-7	C3211-7	2001-06	Fire hazard testing – Part 2 : Test methods – Section 1/sheet 3 : Glow-wire ignitability test on materials
	14545-8	C3211-8	2001-06	Fire hazard testing – Part 2 : Test methods – Section 2 : Needle-flame test
	14545-9	C3211-9	2001-06	Fire hazard testing – Part 2 : Test methods – Section 3 : Bad-connection test with heaters
	14969-2-75	C3212-2-75	2006-02	Environmental testing - Part 2-75: Tests - Test Eh: Hammer tests

CNS no.	Category no.	Date of		Title
		Current edition		
14970	C3213	2006-02		Electric dishwashers for household use - Methods for measuring the performance
14978	C3214	2015-03		Household and similar electrical appliances - Electromagnetic fields - Methods for evaluation and measurement
14979	C3215	withdrawn		Clothes washing machines for household use – Methods for measuring the performance
15049	C3216	2017-02		High-pressure sodium vapor lamps - Performance specifications
15050	C3217	2010-06		Electrotechnical products – Determination of levels of six regulated substances (lead, mercury, cadmium, hexavalent chromium, polybrominated biphenyls, polybrominated diphenyl ethers)
15186-1	C3218-1	2008-07		Cleanrooms and associated controlled environments - Part 1 : Classification of air cleanliness
15186-2	C3218-2	2009-11		Cleanrooms and associated controlled environments – Part 2: Specifications for testing and monitoring to prove continued compliance with CNS 15186-1
15229	C3219	withdrawn		Household electrical appliances – Measurement of standby power (replaced by CNS 62301)
* 15247	C3220	2009-01		Test methods on light emitting diode components and modules (for general lighting service)for normal life
* 15248	C3221	2009-01		Methods of measurement on light emitting diode components for thermal resistance
* 15249	C3222	2009-01		Methods of measurement on light emitting diode components for optical and electrical characteristics
* 15250	C3223	2009-01		Methods of measurement on light emitting diode modules for optical and electrical characteristics
15244	C3224	2009-11		Office equipment - Measurement of ozone, volatile organic compounds and dust emissions rate from copiers, printers and multi-function devices
15424-1	C3225-1	2015-04		Electric motorcycles battery system - Part 1 : The safety requirements of removable battery system
15424-2	C3225-2	2015-04		Electric motorcycles battery system - Part 2 : The safety requirements of stationary battery system
15425-1	C3226-1	2015-04		Electric motorcycles conductive charging system - Part 1 : General requirements
15425-2	C3226-2	2015-04		Electric motorcycles conductive charging system - Part 2 : The safe connection requirements
15466	C3227	2011-05		Testing method of performance for air source heat pump water heaters
15432	C3228	2010-11		Methods of measurement of the magnetic properties of magnetic sheet and strip by means of a single sheet tester
15450	C3229	2011-03		Testing method for chemical emission rates from electronic equipment
15489	C3230	2011-09		Methods of measurement on light emitting diode dies for optical and electrical characteristics
15498	C3231	2011-10		Method of measurement on light emitting diode modules for thermal resistance
15529	C3232	2012-01		Methods of environmental and endurance test on light emitting diode components
15530	C3233	2012-01		Methods of environmental test on light emitting diode systems (for general lighting service)
15531	C3234	2012-01		Methods of quality test on light emitting diode dies
15532	C3235	2012-01		Methods of electrostatic discharge test on light emitting diode components
15548	C3236	2012-06		Methods for measuring the performance of electric kettles and jugs for household and similar use
15651-1	C3237-1	2013-03		Energy performance of lamp controlgear - Part 1: Controlgear for fluorescent lamps - Method of measurement to determine the total input power of controlgear circuits and the efficiency of the

CNS no.	Category no.	Date of		Title
		Current edition		
15387	C3238	2015-04		Safety testing method for secondary lithium batteries for electric motorcycles
15479	C3239	2017-08		Method for determination of mercury level in fluorescent lamps
15712-1	C3240-1	2013-12		Air conditioners and heat pumps – Testing and calculating methods for seasonal performance factors – Part 1: Cooling seasonal performance factor
60456	C3241	2015-08		Clothes washing machines for household use – Methods for measuring the performance
62301	C3242	2017-10		Household electrical appliances – Measurement of standby power
61121	C3243	2018-08		Tumble dryers for household use – Methods for measuring the performance
62821-1	C3244-1	2018-12		Halogen-free, low smoke, thermoplastic insulated and sheathed cables of rated voltages up to and including 450/750 V – Part 1: General requirement
62821-2	C3244-2	2018-12		Halogen-free, low smoke, thermoplastic insulated and sheathed cables of rated voltages up to and including 450/750 V – Part 2: Test methods
62821-3	C3244-3	2018-12		Halogen-free, low smoke, thermoplastic insulated and sheathed cables of rated voltages up to and including 450/750 V – Part 3: Flexible cables(cords)
60670-1	C3245-1	2019-09		Boxes and enclosures for electrical accessories for household and similar fixed electrical installations – Part 1: General requirements

## Electric Machinery, Appliances and Materials

	39	C4001	1980-08	Operation of Handles and Indication of Electric Installations
	318	C4002	1971-01	AC Circuit Breakers (for Short Circuit Test)
	418	C4003	withdrawn	Leclanche's Dry Cell and Battery
	419	C4004	1982-12	Air Depolarized Primary Cells
	420	C4005	withdrawn	Open Type Stationary Batteries (for Voltage Test)
	421	C4006	withdrawn	Portable Lead Storage Batteries (→C N S 6 0 3 4 )
	545	C4007	withdrawn	Incandescent Lamps, Single-Tungsten Filament
	547	C4008	2017-11	Electric fan (desk and wall mounting type)
	597	C4009	2017-11	Ceiling fan
	598	C4010	2017-07	Distribution transformer
	600	C4011	withdrawn	Incandescent Lamps, 110 Volts (→C N S 2 9 8 )
*	690	C4012	2019-01	Plugs and receptacles for domestic and similar general use – Types and dimensions
	692	C4013	1991-09	Edison Screw Lamp Holders
*	693	C4014	1981-06	Water-Proof Screw Type Lamp Holders
*	695	C4015	1987-07	Small Switches for Indoor Use
*	696	C4016	1984-05	Open Type Knife Switch
*	719	C4017	1983-02	Miniature Lamp Bulb for Portable Flash Light
	721	C4018	withdrawn	Transformer, 6600 Volts
	923	C4019	withdrawn	Oil-immersed lamp poles (for Taiwan area)
*	927	C4020	2019-01	Ballasts for fluorescent lamp
*	1028	C4021	1992-04	Floor Fan
*	1029	C4022	1990-12	Flash Lights
*	1056	C4023	2011-08	Low-voltage three-phase induction motors
*	1057	C4024	2001-01	Low-voltage single-phase induction motors
*	1092	C4025	1987-10	Glow Starters for Fluorescent Lamp
*	1143	C4026	1969-06	Insulating Rubber Tape
	1145	C4027	withdrawn	Pins for telephone line insulators
	1146	C4028	withdrawn	The number one of pins for telephone line insulators
	1147	C4029	withdrawn	The number two of pins for telephone line insulators
	1148	C4030	withdrawn	The number three of pins for telephone lines insulators
	1215	C4031	withdrawn	Covered Electrodes for Mild Steel
*	1246	C4032	1981-09	Lightening Arrester for Electric Distribution Lines
	1267	C4033	withdrawn	Ceiling block



	Date of			
CNS no.	Category no.	Current edition	Title	
*	1307	C4034	1984-01	A. C. Watt-Hour Meter
*	1326	C4035	1993-07	Electrical Insulating Oils
	1328	C4036	withdrawn	General rules of transformer for instruments (→CNS 1 1 4 3 7)
	1329	C4037	withdrawn	Current transformers (→CNS 1 1 4 3 7)
	1330	C4038	withdrawn	Potential transformers (→CNS 1 1 4 3 7)
	1371	C4039	1983-02	Method of Sampling for Insulating Oil
	1373	C4040	1999-08	High-voltage (3.3kV) three-phase induction motors
	1409	C4041	withdrawn	Micro porous rubber separator for lead storage batteries
	1410	C4042	1982-12	Strengthened Fiber Separator for Lead Storage Batteries
	1411	C4043	1982-12	Container for Lead Acid Batteries
*	1488	C4044	1993-12	Knife Switches (With Cover)
*	2059	C4045	1994-11	Christmas - Tree Lamps
*	2060	C4046	1992-04	Ventilating Fan
	2061	C4047	2017-11	Stand fan
*	2062	C4048	2000-05	Electric refrigerators and freezers
*	2064	C4049	1982-03	Adhesive Polyvinyl Chloride Tape for Electric Insulation
	2147	C4050	1983-02	Classification of Insulating Materials for Electric Machineries and Apparatus
	2322	C4051	withdrawn	Dimensions of brushes for electric machines
	2355	C4052	withdrawn	Insulating varnish
	2356	C4053	withdrawn	Air-Dried Varnish (for Electrical Insulation) (→CNS 2 3 5 5)
	2449	C4054	withdrawn	Wooden Separator for Lead Storage Batteries
	2450	C4055	2017-11	Auto-rotating ceiling fan
	2471	C4056	withdrawn	Sealed-in Stationary Batteries and Portable Lead (acid) Battery (→CNS 6 0 3 8)
*	2518	C4057	2016-10	Electric rice cookers
	2547	C4058	1982-12	Heat Shrink PVC Pipes (for Dry Battery Manufacturing) (Tentative)
	2603	C4059	withdrawn	Electric Cooker (for General Use) (→CNS 2 5 1 8)
*	2606	C4060	2016-10	Galvanized steel conduits for electrical wires and cables
	2607	C4061	2016-10	Coated steel conduits for electrical wires and cables
	2654	C4062	1985-08	Carbon Electrode for Dry Battery
*	2657	C4063	1966-09	Low pressure mercury germicidal discharge lamps
*	2658	C4064	1994-04	High - pressure Mercury Vapor Lamp
	2660	C4065	withdrawn	Lighting fitting for fluorescent lamps (Pre-heat type)(replaced by CNS 14335)
*	2661	C4066	1992-01	Electric Juice Blenders
*	2662	C4067	1987-01	Electric Percolators
	2663	C4068	withdrawn	Low-voltage automatic oil switch
	2729	C4069	2008-11	Ballast for high pressure mercury vapour lamps
	2730	C4070	2003-09	Neon light transformers
	2785	C4071	withdrawn	Freezer (→CNS 2 0 6 2)
	2786	C4072	2006-11	AC electric arc welding machines
*	2803	C4073	1968-04	Cartridge Fuse Switch (for Distribution)
*	2804	C4074	1979-01	Photoelectric Controls for Public Lighting
	2805	C4075	withdrawn	Centrifugal prestressed concrete pole (for communication line) (→CNS 1 4 2 4 5)
	2806	C4076	withdrawn	Concrete Crossbar (for Communications Line)(Tentative)
	2831	C4077	1969-07	Fixtures for Aluminium Conducting Wires and Cables
	2897	C4078	1988-10	Varnished Cotton Cloth Tape
	2898	C4079	withdrawn	Insulated tissue paper
*	2901	C4080	2004-09	Small and medium alternating current synchronous generator
*	2902	C4081	1968-11	Sealing Compound for Storage Batteries
*	2903	C4082	1968-11	Sealing Compound for Dry Cell
	2926	C4083	withdrawn	Electric washing machine
*	2930	C4084	1982-05	A.C Electromagnetic Switches
*	2931	C4085	1990-06	Molded Case Circuit Breakers

	Date of			
CNS no.	Category no.	Current edition	Title	
*	2932	C4086	1992-10	Electrical Toaster
*	2933	C4087	1987-01	Electric Radiators
	2934	C4088	withdrawn	Low-voltage three-phase squirrel-cage induction motors(for general purpose)
*	2944	C4089	2013-09	Bulbs for bicycles
	2960	C4090	withdrawn	Transformers for Connection Use (→CNS 598)
	2962	C4091	1984-05	Electric Heating Wire and Ribbon
	3043	C4092	1986-04	Glass Mats for Storage Batteries
*	3070	C4093	1987-07	Insulating Oil (for Cold Area)
	3200	C4094	1980-05	Materials for Permanent Magnet
	3203	C4095	withdrawn	Graphite electrode
*	3210	C4096	1981-06	Spot Welders for Steel Plate
	3225	C4097	1988-07	Silicon Varnish
	3227	C4098	withdrawn	Telegraph tape paper (Rolled-cylinder type)
*	3228	C4099	withdrawn	Electric shavers
*	3256	C4100	1985-06	Blotting Paper for Dry Batteries
*	3258	C4101	withdrawn	Sealing reagent for dry batteries
	3261	C4102	1994-11	Reflection Lamps
*	3264	C4103	2001-07	Portable electric drills
*	3265	C4104	2001-07	Portable electric grinders
*	3266	C4105	2001-07	Portable electric disc grinders
*	3329	C4106	1987-10	Decorative-Lighting Outfits
*	3330	C4107	2000-10	Small Type Lead Storage Batteries for Motorcycles
	3375	C4108	withdrawn	Small lamps bulb (for coal miner helmet use)
	3422	C4109	1985-10	Oil-resistant Cork Sheet
*	3423	C4110	1981-06	Explosion-Proof Construction for Equipment Sets of Mercury Arc Lamps
	3424	C4111	1988-10	Varnished Cotton Bias Tape
	3425	C4112	1988-10	Varnished Silk Tape
	3426	C4113	1988-10	Varnished Cotton Cloth
	3427	C4114	1988-10	Varnished Silk
	3428	C4115	1988-10	Varnished Glass Cloth
	3429	C4116	1988-10	Silicone Varnished Glass Cloth
	3430	C4117	1982-12	Varnish for Dry Battery
*	3434	C4118	1990-12	Crimp-Type Terminal Lugs for Copper Conductors
*	3618	C4119	1992-01	Single-Phase Induction Motors(under 100 Watt)
*	3692	C4120	withdrawn	Massager, portable
*	3693	C4121	1994-01	Electric Baking Ovens
*	3714	C4122	1990-06	Hand-Supported Hair Dryers
	3715	C4123	withdrawn	Electrical Comb (→CNS 3714)
*	3737	C4124	1994-11	Infrared Lamps
*	3765	C4125	withdrawn	Household and similar electrical appliances - Safety - Part 1: General requirements
*	3765-2	C4125-2	withdrawn	Household and similar electrical appliances - Safety - Part 2-2: Particular requirements for vacuum cleaners and water-suction cleaning appliances
*	3765-3	C4125-3	withdrawn	Safety of household and similar electrical appliances Part 2: Particular requirements for electric irons
*	3765-4	C4125-4	withdrawn	Household and similar electrical appliances - Safety - Part 2-4:Particular requirements for spin extractors
*	3765-5	C4125-5	withdrawn	Safety of household and similar electrical appliances Part 2-5 : Particular requirements for dishwashers
*	3765-6	C4125-6	withdrawn	Safety of household and similar electrical appliances Part 2: Particular requirements for stationary cooking ranges,hobs,ovens and similar appliances
*	3765-7	C4125-7	withdrawn	Safety of household and similar electrical appliances Part 2-7 : Particular requirements for washing machines
*	3765-8	C4125-8	withdrawn	Safety of household and similar electrical appliances - Part 2:

CNS no.	Category no.	Date of		Title
		Current edition		
				Particular requirements for shavers, hair clippers and similar appliances
*	3765-9	C4125-9	withdrawn	Safety of household and similar electrical appliances Part 2: Particular requirements for grills toasters and similar portable cooking appliances
	3765-10	C4125-10	withdrawn	Household and similar electrical appliances - Safety - Part 2-10: Particular requirements for floor treatment machines and wet scrubbing machines
*	3765-11	C4125-11	withdrawn	Safety of household and similar electrical appliances Part 2-11 : Particular requirements for tumbler dryers
*	3765-12	C4125-12	withdrawn	Safety of household and similar electrical appliances Part 2: Particular requirements for warming plates and similar appliances
*	3765-13	C4125-13	withdrawn	Safety of household and similar electrical appliances - Part 2: Particular requirements for deep fat fryers, frying pans and similar appliances
*	3765-14	C4125-14	withdrawn	Household and similar electrical appliances - Safety - Part 2: Particular requirements for kitchen machines
*	3765-15	C4125-15	withdrawn	Safety of household and similar electrical appliances Part 2-15: Particular requirements for heating liquids
*	3765-21	C4125-21	withdrawn	Safety of household and similar electrical appliances Part 2 : Particular requirements for storage water heaters
	3765-23	C4125-23	withdrawn	Household and similar electrical appliances - safety - Part 2: Particular requirements for appliances for skin or hair care
	3765-24	C4125-24	withdrawn	Safety of household and similar electrical appliances Part 2:Particular requirements for refrigerating appliances and ice-makers
	3765-25	C4125-25	withdrawn	Safety of household and similar electrical appliances – Part 2: Particular requirements for microwave ovens
*	3765-28	C4125-28	withdrawn	Safety of household and similar electrical appliances – Part 2: Particular requirements for sewing machines
*	3765-29	C4125-29	withdrawn	Safety of household and similar electrical appliances – Part 2: Particular requirements for battery chargers
*	3765-30	C4125-30	withdrawn	Safety of household and similar electrical appliances – Part 2: Particular requirements for room heaters
*	3765-31	C4125-31	withdrawn	Safety of household and similar electrical appliances – Part 2: Particular requirements for range hoods
*	3765-32	C4125-32	withdrawn	Safety of household and similar electrical appliances – Part 2: Particular requirements for massage appliances
*	3765-34	C4125-34	withdrawn	Safety of household and similar electrical appliances Part 2 : Particular requirements for motor-compressors(replaced by CNS 60335-2-34)
*	3765-35	C4125-35	withdrawn	Household and similar electrical appliances – Safety – Part 2-35: Particular requirements for instantaneous water heaters
	3765-36	C4125-36	withdrawn	Household and similar electrical appliances - Safety - Part 2-36: Particular requirements for commercial electric cooking ranges, ovens, hobs and hob elements
	3765-39	C4125-39	withdrawn	Household and similar electrical appliances - Safety - Part 2-39: Particular requirements for commercial electric multi-purpose cooking pans
*	3765-40	C4125-40	withdrawn	Safety of household and similar electrical appliances Part 2 : Particular requirements for electrical heat pumps,air - conditioners and dehumidifiers
	3765-41	C4125-41	withdrawn	Safety of household and similar electrical appliances – Part 2: Particular requirements for pumps
	3765-42	C4125-42	withdrawn	Household and similar electrical appliances – Safety – Part 2-42: Particular requirements for commercial electric forced convection ovens, steam cookers and steam-convection ovens
	3765-43	C4125-43	withdrawn	Household and similar electrical appliances - Safety - Part 2-43: Particular requirements for clothes dryers and towel rails

		Date of		
CNS no.	Category no.	Current edition	Title	
3765-51	C4125-51	withdrawn	Safety of household and similar electrical appliances – Part 2: Particular requirements for stationary circulation pumps for heating and service water installations	
3765-52	C4125-52	withdrawn	Safety of household and similar electrical appliances – Part 2: Particular requirements for oral hygiene appliances	
3765-53	C4125-53	withdrawn	Safety of household and similar electrical appliances – Part 2: Particular requirements of sauna heating appliances (replaced by CNS 60335-2-53)	
3765-55	C4125-55	withdrawn	Household and similar electrical appliances – Safety – Part 2-55: Particular requirements for electrical appliances for use with aquariums and garden ponds	
*	3765-59	C4125-59	withdrawn	Household and similar electrical appliances - Safety - Part 2-59: Particular requirements for insect killers
	3765-60	C4125-60	withdrawn	Household and similar electrical appliances – Safety – Part 2-60: Particular requirements for whirlpool baths and whirlpool spas
	3765-61	C4125-61	withdrawn	Household and similar electrical appliances - Safety - Part 2-61: Particular requirements for electrical appliances for thermal storage room heaters
*	3765-65	C4125-65	withdrawn	Household and similar electrical appliances – Safety – Part 2: Particular requirements for air-cleaning appliances
	3765-66	C4125-66	withdrawn	Safety of household and similar electrical appliances – Part 2: Particular requirements for water-bed heaters
	3765-73	C4125-73	withdrawn	Safety of household and similar electrical appliances – Part 2: Particular requirements for fixed immersion heaters
	3765-74	C4125-74	withdrawn	Safety of household and similar electrical appliances – Part 2: Particular requirements for portable immersion heaters
	3765-75	C4125-75	2004-04	Safety of household and similar electrical appliances - Part 2: Particular requirements for commercial dispensing appliances and vending machines
	3765-78	C4125-78	withdrawn	Safety of household and similar electrical appliances – Part 2: Particular requirements for outdoor barbecues
	3765-79	C4125-79	2014-06	Household and similar electrical appliances - Safety - Part 2-79: Particular requirements for high pressure cleaners and steam cleaners
*	3765-80	C4125-80	withdrawn	Safety of household and similar electrical appliances – Part 2: Particular requirements for fans
*	3765-81	C4125-81	withdrawn	Household and similar electrical appliances – Safety – Part 2-81: Particular requirements for foot warmers and heating mats
	3765-84	C4125-84	withdrawn	Safety of household and similar electrical appliances – Part 2: Particular requirements for toilets
	3765-90	C4125-90	2013-06	Household and similar electrical appliances - Safety - Part 2-90: Particular requirements for electrical appliances for commercial microwave ovens
	3766	C4126	withdrawn	Safety Testing Code for Household Electrical Appliance (→ CNS 3765)
*	3805	C4127	1989-02	Range Hood
	3807	C4128	2014-02	Single phase panelboards
*	3910	C4129	2016-08	Drinking water dispenser
	3990	C4130	1995-07	A.C. Metal-Enclosed Switchgear and Controlgear for Rated Voltages from 3.3 kV to 36 kV
	3992	C4131	1981-06	High Voltage Alternating Current Starters
	3994	C4132	1985-08	High Voltage Combination Starters
	4079	C4133	1987-07	Wire Spring Relay
*	4117	C4134	1991-12	Lamp Pole for Illumination of Road
*	4332	C4135	1988-04	Electric Motors for Household Sewing Machines
	4611	C4136	withdrawn	Low-Voltage Single-Phase Squirrel-Cage Induction Motors (Class E Insulation) for General Purpose (→ CNS 1057)
*	4612	C4137	1985-02	Bulbs for Flashlight (Rated Voltage 1.1V-7.2V)

	CNS no.	Category no.	Date of Current edition	Title
*	4613	C4138	1994-11	Photoflash Lamps
*	4615	C4139	1994-11	Photographic Sound Reproducer Lamps
*	4616	C4140	withdrawn	Electric hoists
	4673	C4141	withdrawn	Electric tumbler dryer
*	4734	C4142	1979-01	High-Voltage Alternating-current Circuit-breakers
*	4774	C4143	1987-10	Electric Hotplates
*	4776	C4144	1987-04	Electric Radiant Heater
*	4778	C4145	1987-09	Electric Irons
	4780	C4146	withdrawn	Electric vacuum cleaners
	4782	C4147	2018-01	Voltage reducing device for AC arc welding power source
*	4872	C4148	1979-06	Axial Flow Fan for Industry Use
*	4873	C4149	1987-08	Electric Warm Pad
*	4875	C4150	1979-06	Shunts
*	4950	C4151	withdrawn	Electric meat mincer
*	4970	C4152	1979-09	Boxes for Unplasticized Polyvinyl Chloride (UPVC) Conduit
*	5020	C4153	1979-11	Solenoid Valve for Welding Machine
*	5021	C4154	1979-11	Welding Electrode Holder
*	5022	C4155	1984-07	Thyristorstack for Welding Machine
*	5024	C4156	1979-11	Ignitron for Welding Machine
*	5025	C4157	withdrawn	Magnetic contactor for welding machine
	5026	C4158	1984-07	Welding Transformers for Portable Spot Welding Machine
	5027	C4159	1984-07	Control Timers for Resistance Welding Machine of Lap Joint
	5028	C4160	1984-03	Rectifier Type D.C. Arc Welding Machines with Drooping Characteristic
	5029	C4161	2006-11	Light duty AC arc welding machines
	5030	C4162	1984-03	Projection Welding Machine
	5063	C4163	withdrawn	Projector lamps
	5117	C4164	1984-06	Neon Tubing
	5119	C4165	1988-10	Illuminance Meters
	5196	C4166	1980-02	Neon Glow Lamp
	5198	C4167	1990-01	High Insulation Resistance Meters
	5200	C4168	1994-08	Standard Lamps of Luminous Intensity
	5201	C4169	withdrawn	Spot light and flood light lamps
	5203	C4170	1994-06	Earth Testers
*	5310	C4171	1994-11	Switch Board Lamps
	5314	C4172	1980-03	Panel Board Units
	5316	C4173	withdrawn	Enclosed switches for low voltage
	5417	C4174	1994-06	Compression Tools for Wire Connectors of Interior Wiring
*	5420	C4175	1984-06	Miniature Lamps for Aircraft
	5422	C4176	2016-04	Residual current operated circuit breakers
*	5425	C4177	1991-09	Electric Trap for Insect
*	5426	C4178	1984-06	Multimeter
	5427	C4179	1990-12	Dry Battery Type Buzzers
	5513	C4180	withdrawn	Traffic signal lamps
	5514	C4181	1984-06	Low Pressure Sodium Vapour Lamps
	5515	C4182	1984-06	Tungsten Halogen Lamps
	5516	C4183	1980-05	Induction Type Overcurrent Relay for High Voltage Receiving
	5517	C4184	1990-12	Compression Terminals
*	5518	C4185	1996-04	Non-insulated Crimp-type Sleeves for Copper Conductors
	5519	C4186	1985-11	Polyester Film Lamination for Electrical Insulation
	5520	C4187	withdrawn	Vulcanized fiber sheet
	5521	C4188	1983-01	Polyester Films for Electrical Purposes
	5522	C4189	withdrawn	Metallized polyester film for capacitors
	5523	C4190	1980-05	Soft Magnetic Iron Plates
	5524	C4191	1988-07	Soft Magnetic Iron Bars
	5534	C4192	1982-03	Thermocouples
*	5535	C4193	1987-03	Small Switch for Single-phase Motors
*	5537	C4194	1980-05	Centrifugal Pre-stressed Concrete Poles (for Power Line)

		Date of		
CNS no.	Category no.	Current edition	Title	
5742	C4195	1994-06	Dimensions of Electrical Indicating Instruments for Switch Boards	
5743	C4196	1994-06	Dimensions of Edgewise Electrical Indicating Instruments	
5746	C4197	withdrawn	Polyester woven tapes for electrical insulation	
6018	C4198	withdrawn	Indicating thermoelectric thermometers	
6020	C4199	withdrawn	Indicating resistance thermometers	
6022	C4200	withdrawn	Resistance bulbs	
6024	C4201	withdrawn	Thermistor for temperature measurement	
6026	C4202	withdrawn	Standard cells	
*	6028	C4203	1985-06	Manganese Dry Cells and Batteries
	6030	C4204	withdrawn	Air dry batteries
	6032	C4205	1987-09	Alkaline Primary Cells and Batteries
*	6034	C4206	2000-10	Lead-Acid Batteries for General Service
	6036	C4207	1980-08	Sealed Nickel-Cadmium Cylindrical Rechargeable Single Cells
	6038	C4208	2000-10	Stationary Lead-Acid Batteries
	6042	C4209	withdrawn	Insulating papers for electric power cables
	6043	C4210	1996-04	Insulating Papers for Communication Cables
	6044	C4211	1985-11	Pressboard for Electrical Purpose
	6045	C4212	1997-05	Coil insulating papers
	6046	C4213	withdrawn	Electrolytic capacitor papers
	6047	C4214	withdrawn	Drop Cord Bushing
	6048	C4215	1980-08	Wood Blocks for Electric Devices
*	6049	C4216	1980-08	Infrared Lamps
	6050	C4217	withdrawn	Catch-holder
	6051	C4218	1998-04	Low-voltage screw fuses and D-type fuses
	6052	C4219	withdrawn	Small Switches for Street Lamp
	6054	C4220	2016-09	Lampholders and starterholders for fluorescent lamps
	6058	C4221	withdrawn	Separable plug body
	6059	C4222	withdrawn	Low-voltage cut outs
	6079	C4223	1991-10	General Rules for Fittings of Metal Conduits and Underfloor Ducts
*	6080	C4224	1993-01	Couplings for Rigid Steel Conduits
	6081	C4225	1993-01	Elbows for Rigid Steel Conduits
*	6082	C4226	1993-04	Bushings for Rigid Steel Conduits
	6083	C4227	1993-04	Lock Nuts for Rigid Steel Conduits
	6084	C4228	1982-12	Saddle for Rigid Steel Conduit
	6085	C4229	1992-09	Universal Fitting for Rigid Steel Conduits
	6086	C4230	withdrawn	Outlet Boxes for Rigid Steel Conduit
*	6087	C4231	1991-06	Boxes for Rigid Metal Conduits
	6088	C4232	withdrawn	Concret Boxes for Rigid Steel Conduit
	6089	C4233	withdrawn	Box Covers for Rigid Steel Conduits
	6090	C4234	1992-09	Circular Surface Boxes for Rigid Steel Conduits
	6091	C4235	1992-12	Surface Switch Boxes for Rigid Steel Conduits
	6092	C4236	1993-04	Connectors for Rigid Steel Conduits
	6093	C4237	1992-12	Terminal Caps for Rigid Steel Conduits
	6094	C4238	1983-04	Entrance Caps for Rigid Steel Conduit
	6095	C4239	1986-10	Insulated Bushings for Rigid Steel Conduit
	6096	C4240	1986-10	Union Couplings for Rigid Steel Conduits
	6097	C4241	1987-01	Underfloor Ducts(Steel)
	6098	C4242	1987-01	Couplings for Underfloor Duct
	6099	C4243	1987-01	Junction Boxes for Underfloor Duct
	6100	C4244	1987-01	Insert Fittings for Underfloor Duct
	6101	C4245	withdrawn	Flexible metal conduits
	6102	C4246	1995-01	Flush Plates for Indoor Use
	6103	C4247	withdrawn	Insulated bushings for flexible metal conduit
	6104	C4248	withdrawn	Connectors for flexible metal conduit
	6105	C4249	withdrawn	Couplings for flexible metal conduit
	6106	C4250	1991-06	Caps for Unplasticized Polyvinyl Chloride (UPVC) Conduit
	6107	C4251	withdrawn	Couplings for Aluminium Conduit
	6108	C4252	withdrawn	Elbows for Aluminium Conduit

Date of				
CNS no.	Category no.	Current edition	Title	
6109	C4253	2016-10	Fittings of unplasticized polyvinyl chloride (PVC-U) conduits	
6110	C4254	withdrawn	Couplings for unplasticized polyvinyl chloride conduit	
6111	C4255	withdrawn	Connectors for unplasticized polyvinyl chloride conduit	
6112	C4256	withdrawn	Elbows for unplasticized polyvinyl chloride conduit	
6113	C4257	1990-04	Boxes and Covers for Unplasticized Polyvinyl Chloride Conduit	
6114	C4258	withdrawn	Box Covers for Unplasticized Polyvinyl Chloride(UPVC) Conduit	
6115	C4259	withdrawn	Saddles for unplasticized polyvinyl chloride conduit	
6116	C4260	withdrawn	Caps for unplasticized polyvinyl chloride conduit	
6427	C4261	1984-06	Electric Lamps for Measurement on Photo-Sensitivity of Photographic Sensitive Materials	
6428	C4262	1994-11	Telephone Exchange Lamps	
6429	C4263	1994-11	Radio Panel Lamps	
6430	C4264	withdrawn	Household sewing machine lamps	
6651	C4265	withdrawn	Compensating lead wires	
6653	C4266	1991-11	Hook Bars for Disconnecting Switch Operation	
6766	C4267	1991-11	Insulated Closed-End Connectors	
6767	C4268	1991-11	Hospital Grade Earth Centers and Terminals	
6771	C4269	1986-06	Metal Fittings for Insulators	
6774	C4270	1986-06	Normal Type and Anti-Pollution Type Suspension Insulators	
6775	C4271	withdrawn	180 mm Clevis Type Suspension Insulators	
6776	C4272	1984-04	Line Post Insulators	
6777	C4273	1984-04	Indoor Post Insulators	
6778	C4274	1984-04	Long Rod Insulators	
6779	C4275	withdrawn	250 mm Ball and Socket Type Suspension Insulator	
6780	C4276	1984-04	Station Post Insulators	
6781	C4277	withdrawn	280 mm Ball and Socket Type Suspension Insulators	
6782	C4278	1986-09	6600 V Pin Type Insulator	
6783	C4279	1993-06	High - Voltage Shackle Type Insulator	
6784	C4280	1982-04	High-Voltage Porcelain Tubes	
6785	C4281	1986-09	Neon Insulator	
6786	C4282	1984-04	6.6 KV Strain Insulator	
6787	C4283	1993-06	Pin Type Insulators for Feeder	
6788	C4284	1980-12	Strain Type Insulators	
6789	C4285	1986-06	Ball Type Insulator	
6790	C4286	1986-06	Low Voltage Knob Insulator	
6791	C4287	withdrawn	Low - Voltage Porcelain Tube	
6792	C4288	withdrawn	Low - Voltage Porcelain Tube with Flange	
6793	C4289	1986-06	Low-Voltage Pin Type Insulators	
6794	C4290	1986-06	Low-Voltage Shackle Type Insulators	
6795	C4291	withdrawn	Porcelain cups for telephone line insulator	
6796	C4292	1984-09	3.3 KV~ 33 KV Epoxy-resin Post Insulators for Indoor Use	
*	6797	C4293	1991-11	Appliance Couplers for Domestic and Similar Use
*	6888	C4294	1986-02	DC Solenoids for General Purpose
	6890	C4295	1986-02	AC Solenoids for General Purpose
	7006	C4296	1985-05	Glass Tubing for Fluorescent Lamps
	7008	C4297	1992-06	Two-Phase Servomotors
	7121	C4298	withdrawn	6.6 kV Disconnecting switches for indoor use
	7123	C4299	withdrawn	AC load break switches with tripping device
	7208	C4300	withdrawn	Hand type impulse sealer
	7209	C4301	withdrawn	Foot type impulse sealer
	7212	C4302	1981-04	Marine Converters and Inverters for Wireless Sets
	7213	C4303	1981-04	Marine Inductor-Type Motor-Generators for Wireless Sets
*	7215	C4304	2010-11	Non-oriented magnetic steel sheet and strip
*	7216	C4305	2010-11	Grain-oriented magnetic steel sheet and strip
*	7217	C4306	withdrawn	Electrical silicon steel strip for small motor
*	7218	C4307	2010-11	Steel sheet and strip for pole core
	7356	C4308	withdrawn	Small wooden reel for electric wires
	7359	C4309	withdrawn	The number four of pins for telephone line inouletors

				Date of
CNS no.	Category no.	Current edition	Title	
7597	C4310	withdrawn	Malleable iron casting clamp and aluminium alloy casting clamp for transmission line use	
7598	C4311	1981-06	Contact Conductor with Insulating Cover for Crane	
7599	C4312	withdrawn	Silicone varnished glass sleeving for electrical insulation	
7601	C4313	1988-10	Silicone Varnished Glass Cloth Tape	
7602	C4314	1988-10	Silicone Rubber Coated Glass Cloth on Both Side	
7603	C4315	1989-01	Varnished Terephthalate Cloth	
7604	C4316	1989-01	Varnished Terephthalate Cloth Tape	
7605	C4317	1988-10	Varnished Rayon Cloth	
7606	C4318	1988-10	Varnished Rayon Cloth Tape	
7607	C4319	1988-10	Varnished Rayon Bias Tape	
7608	C4320	1988-10	Varnished Paper	
7609	C4321	1988-10	Varnished Glass Cloth Tape	
7610	C4322	1988-10	Varnished Glass Bias Tape	
7619	C4323	withdrawn	Air cleaners	
7623	C4324	1994-06	Button Control Switches	
7625	C4325	1981-07	Cam Operated Control Switches	
*	7627	C4326	1984-06	Motor Driven Timer
	7964	C4327	1995-06	Electric Bench Grinders
	8356	C4328	1988-08	Mica Splittings and Untreated Mica Papers for Electrical Insulation
	8358	C4329	1988-09	Heat Formable Mica Plates
	8359	C4330	1988-09	Mica Plates for Commutator Separators
	8360	C4331	1988-09	Press Work Mica Plates
	8361	C4332	1988-09	Heater Mica Plates
	8362	C4333	1988-09	Flexible Mica
	8363	C4334	1988-09	Mica with Paper on Both Sides ( Sheets and Types )
	8364	C4335	1988-09	Mica with Paper on One Side ( Sheets and Types )
	8365	C4336	1988-09	Mica with Glass Cloth on Both Sides ( Sheets and Types )
	8366	C4337	1988-09	Mica with Glass Cloth on One Side ( Sheets and Tapes )
	8367	C4338	1988-09	Mica with Film on Both Sides ( Sheets and Tapes )
	8368	C4339	1988-09	Mica with Films on One Side ( Sheets and Tapes )
	8369	C4340	withdrawn	Electric contact material for electric communication equipment and apparatus
	8370	C4341	withdrawn	Toroidal dust cores of Fe-Si-Al alloy
	8371	C4342	withdrawn	Insert core made of ferromagnetic oxide
	8797	C4343	withdrawn	Portable vacuum cleaner
	8798	C4344	1990-10	Electric Soldering Iron
*	8799	C4345	1990-12	Electric Bell
	8800	C4346	withdrawn	Decorative lamp
	8801	C4347	withdrawn	Portable fluorescent lamp(replaced by CNS 14335)
	8802	C4348	2007-02	Emergency lighting
	8803	C4349	1982-05	Workign Lamps
*	9077	C4350	1982-07	Cables Clamps for Automobiles Lead Storage Batteries
	9078	C4351	1999-04	Adapter
	9086	C4352	withdrawn	Asbestos cement plate for electric insulation
	9087	C4353	1982-07	Silicone Resin Glass Laminated Sheets for Electrical Insulation
	9088	C4354	withdrawn	Vulcanized Fiber Sheet
	9089	C4355	1982-07	Lighting Arrester for 6.6KV Cubicule Type Unit Substation
	9090	C4356	withdrawn	Cubicle type high voltage power receiving unit
	9091	C4357	withdrawn	High voltage cut out for cubicle type power receiving unit
	9092	C4358	withdrawn	High-voltage insulator for cubicle type power receiving unit
	9094	C4359	1982-07	Series Reactors for High Voltage Power Capacitors
	9095	C4360	1998-11	Discharge coil for high voltage power capacitors
	9096	C4361	1986-05	Remote Control Transformers
	9097	C4362	1987-09	Thermostats ( Pressure Type )
	9098	C4363	1982-07	Current Limiter
	9099	C4364	1982-07	Trolley Busways
	9116	C4365	withdrawn	Domestic pendant luminaires for fluorescent lamps(replaced by CNS



				Date of
CNS no.	Category no.	Current edition	Title	
			14335)	
*	9118	C4366	2010-11	Fixtures of roadway lighting
	9120	C4367	2016-09	Reflectors for lighting fittings
	9122	C4368	withdrawn	Table lamps for fluorescent lamps
	9477	C4369	1982-10	Thermoelectric Type High-Frequency Ampere Meter for Panel
	9576	C4370	1982-11	Poly Insulating Line Hose for High Voltage
	9578	C4371	2017-11	Box electric fan
	9579	C4372	withdrawn	Rechargeable Flash Light (→CNS 1029)
	9580	C4373	1982-11	Nickel Iron Soft Magnetic Alloy Sheets and Strips
	9582	C4374	1982-11	Thermostat Metal Sheats for Electric Apparatus
	9685	C4375	1982-12	Heat-Shrinkable PVC Tubing for Electrical Insulation (Tubular Type)
	9686	C4376	1982-12	Heat-Shrinkable Polyolefin Tubing for Electrical Insulation (Tubular Type)
	9687	C4377	1982-12	Heat-Shrinkable PTFE Tubing for Electrical Insulation (Tubular Type)
	9688	C4378	1982-12	Heat-Shrinkable FEP Tubing for Electrical Insulation (Tubular Type)
	9689	C4379	1982-12	Heat-Shrinkable PVF <sub>2</sub> Tubing for Electrical Insulation (Tubular Type)
	9690	C4380	1982-12	Heat-Shrinkable Chloroprene Tubing for Electrical Insulation (Tubular Type)
	9809	C4381	1983-01	Electro Magnetic Counters
	9810	C4382	1983-01	Rotary Switches for Resistance Welding Machines
*	9811	C4383	2001-07	Portable Electric Circular Saws
	9813	C4384	2004-07	Low-voltage three-phase induction motors for construction submersible pumps
	9814	C4385	2001-06	Low-voltage single-phase induction motors for construction submersible pumps
	9816	C4386	1997-05	Testing fingers for electrical appliance
	9823	C4387	withdrawn	Terminals Box of General Rules for Explosion-proof Construction of Electric Machineries and Apparatuses of General Use
	10313	C4388	1983-06	Synchros
*	10316	C4389	2001-12	Var-hour meters
	10323	C4390	1999-08	Low-voltage three-phase squirrel-cage induction motors (for special frame)
	10327	C4391	withdrawn	Brushes for electric machines
	10328	C4392	withdrawn	Non closed one pole two throws sensitive switches for aviation use
	10491	C4393	1983-08	P. V. C. Tubing for Electrical Insulation
	10597	C4394	2017-03	Ventilating fan for bath room use
	10600	C4395	1983-10	Hinge Type Electromagnetic Relays
	10602	C4396	1983-10	Thyristor Rectifiers for Floating Charge
	10603	C4397	1983-10	Residual Current Sensing and Relaying Equipment
	10605	C4398	1983-10	Condenser Type Spot Welding Machines
*	10607	C4399	1987-08	Hair Curling Appliances
	10795	C4400	1984-03	Insulation Resistance Testers (Magneto Generator Operated)
	10796	C4401	1984-03	Insulation Resistance Testers (Battery Operated)
	10797	C4402	2014-11	Refrigerated display cabinets - Vocabulary
	10898	C4403	1984-06	Flat Quick-Connect Terminals
	10900	C4404	1991-05	Terminal Blocks for Industrial and Similar Use
	10903	C4405	2016-05	Ball incandescent lamps
	10907	C4406	1984-06	Electrical Indicating Instruments
	10909	C4407	1984-06	Multiple Ratio Instruments for Direct Current Use
	10910	C4408	1984-06	Microswitches
	10914	C4409	1984-06	Resistance Wires, Rolled Wires, Ribbons and Plates for General Use
	10915	C4410	1989-12	Level Recorders for Recording Sound Level and/or Vibration Level
	10916	C4411	1984-06	Commutator Bar
*	10917	C4412	1996-07	General Rule for Cord Sets
	10917-1	C4412-1	withdrawn	Transfer cord sets
	10917-2	C4412-2	withdrawn	Nondetachable cord sets

				Date of
CNS no.	Category no.	Current edition	Title	
10917-3	C4412-3	withdrawn	Detachable cord sets	
10917-4	C4412-4	withdrawn	Outdoor-use cord sets	
10917-5	C4412-5	withdrawn	Adapter Cord Sets (→CNS 10917-1~10917-4)	
10917-6	C4412-6	withdrawn	Recreational-Vehicle Cord Sets (→CNS 10917-1~10917-4)	
10917-7	C4412-7	withdrawn	Power-Supply Cords (→CNS 10917-1~10917-4)	
10917-8	C4412-8	withdrawn	Nondetachable Power-Supply Cords (→CNS 10917-1~10917-4)	
10917-9	C4412-9	withdrawn	Power-Supply Cords for Ranges and Dryers (→CNS 10917-1~10917-4)	
10917-10	C4412-10	withdrawn	Outdoor-Use Power-Supply Cords (→CNS 10917-1~10917-4)	
10917-11	C4412-11	withdrawn	Nondetachable Power-Supply Cords for Recreational Vehicles (→CNS 10917-1~10917-4)	
10917-12	C4412-12	withdrawn	Power-Supply Cords for Mobile Homes (→CNS 10917-1~10917-4)	
10917-13	C4412-13	withdrawn	Nondetachable Power-Supply Cords for Special-Use (→CNS 10917-1~10917-4)	
10917-14	C4412-14	withdrawn	Detachable Power-Supply Cords (→CNS 10917-1~10917-4)	
10917-15	C4412-15	withdrawn	Detachable Power-Supply Cords Having Appliance Plugs (→CNS 10917-1~10917-4)	
10917-16	C4412-16	withdrawn	Detachable Power-Supply Cords Having Flatiron Plugs (→CNS 10917-1~10917-4)	
10917-17	C4412-17	withdrawn	Detachable Power-Supply Cords for Appliances Rated Not Greater Than 50 W (→CNS 10917-1~10917-4)	
10917-18	C4412-18	withdrawn	Detachable Power-Supply Cords for Special Use (→CNS 10917-1~10917-4)	
10917-19	C4412-19	withdrawn	General-Purpose Nonlocking Plugs and Receptacles for Cord Sets (→CNS 10917-1~10917-4)	
10917-20	C4412-20	withdrawn	Specific-Purpose Locking Plugs and Receptacles for Cord Sets (→CNS 10917-1~10917-4)	
10917-21	C4412-21	withdrawn	Other Plugs and Receptacles for Cord Sets (→CNS 10917-1~10917-4)	
10920	C4413	1984-06	V Belts and Pulleys for Electric Motors	
10921	C4414	1984-06	Direct-Acting Electrical Recording Instruments	
10923	C4415	1984-06	Shunts and Multiple Ratio Instruments for Direct Current Use	
11006	C4416	2016-05	Small incandescent lamp bulbs for household use	
11007	C4417	withdrawn	Projectors for incandescent lamps (Flood light type)	
11008	C4418	1994-11	Railway Car Lamp Bulbs	
11009	C4419	2016-05	Incandescent lamp bulbs for railway signal	
*	11010	C4420	2013-12	Electric storage tank water heaters
	11092	C4421	withdrawn	All-cover switch
	11093	C4422	1984-11	Junction Box for Indoor Wiring (for Polyvinyl-Chloride Insulated and Sheathed Cables: VVF)
	11094	C4423	1984-11	Non-Thread Terminals
	11160	C4424	1984-12	Octave and Third-octave Band Analyzers for Sounds and Vibrations
	11162	C4425	1984-12	Metal Sheathed Thermocouples
	11180	C4426	1985-01	Enclosed Sensitive Switches
	11214	C4427	withdrawn	Hanging receptacles and plugs
	11330	C4428	2012-09	Low-voltage three-phase squirrel-cage induction motors (For submersible motor-pumps for deep well)
*	11428	C4429	1999-08	Watt-hour meter
	11429	C4430	withdrawn	Watt-hour meter (for direct connection) (→CNS 11428)
*	11430	C4431	1985-12	Watt-Hour Meters (for Direct Connection) Inspection Signal Generator

		Date of		
CNS no.	Category no.	Current edition	Title	
11432	C4432	withdrawn	Alternating-current Watt-hour meters (for connection through instrument transformer) (→CNS 1 1 4 2 8)	
11434	C4433	1985-12	Watt-Hour Meters (for Connection Through Instrument Transformer) Inspection Signal Generator	
11435	C4434	withdrawn	Summating current transformer for multilines (→CNS 1 1 4 3 7)	
*	11437	C4435	2001-12	Instrument transformers
	11441	C4436	1985-12	Watt-Hour, Var-Hour and Maximum Demand Indicators for Telemetry
	11442	C4437	1985-12	Watt-hour Indicator for Centralized Metering (Separate Type)
*	11474	C4438	1992-10	Electric Citrus Juicer
	11568	C4439	1986-05	Stationary Auto Inductive Voltage Regulator for Shore Use
	11569	C4440	1986-05	D.C. Power Sappay for Shore Use
	11570	C4441	1986-05	Remote Control Relays and Remote Control Switches
*	11613	C4442	1989-09	Electric Heating Appliance (Instantaneous Heating Type) with Using Water Resistance to Limit the Current to Ground
*	11779	C4443	1993-12	Explosion Proof Electric Motors
	11780	C4444	1986-12	Explosion Proof Electric Switches
	11873	C4445	1999-08	Pole changing low-voltage three-phase induction motors
	11894	C4446	1999-08	Direct current machines
	12151	C4447	1987-11	Electrical Insulating Compounds
	12152	C4448	2008-06	Pliable plastic conduits
	12153	C4449	1998-04	Fittings for pliable plastic conduits
*	12154	C4450	1987-11	Uninterruptible Power Supply System (UPS)
*	12339	C4451	1992-09	Induction Heating Cookers
	12353	C4452	1988-07	Fuses for Instrument and Power Style F 20
	12435	C4453	1988-10	Pressure Sensitive Polyester Adhesive Tapes for Electrical Insulation
*	12436	C4454	1988-10	Varnished Sleeving for Electrical Insulation
	12437	C4455	1988-10	Finishing Varnishes for Electrical Insulation
	12438	C4456	1988-10	Varnishes for Enameled Wire
	12439	C4457	1988-10	Coil Impregnating Varnishes for Electrical Insulation
	12440	C4458	1988-10	Adhesive Varnishes
	12441	C4459	1988-10	Resin Preimpregnated Glass Binding Tape for Electrical Purpose
*	12442	C4460	1992-06	Electric Motors for Industrial Sewing Machines
	12492	C4461	2017-03	Dehumidifiers
*	12518	C4462	1993-12	Microwave Ovens
*	12623	C4463	2014-12	Electric storage tank boiling water heaters
*	12625	C4464	2012-02	Electric Pots
	13270	C4465	withdrawn	Pliables plastic conduits (→CNS 1 2 1 5 2)
	13303	C4466	2005-09	Metallic cable tray systems
	13304	C4467	1993-12	Precision Potentiometers for Special Use
	13390	C4468	2001-01	Dry type transformers
*	13516	C4469	2014-10	Water dispenser
	13542	C4470	1995-06	Low-Voltage Metal-Enclosed Switchgear
*	13551	C4471	1995-07	Bus for A.C. Metal-Enclosed Switchgear and Controlgear
*	13621	C4472	1995-12	Polyamide Boxes for Conduits
*	13755	C4473	2019-01	AC supplied electronic ballasts for fluorescent lamp
*	14125	C4474	2019-01	Self-ballasted fluorescent lamps (for general lighting services)
	14265	C4475	1998-11	Air pumps
	14266	C4476	2012-09	Cable management systems – Cable ties for electrical installations
	14267	C4477	1998-11	Wood poles treated with creosote oil
	14269	C4478	1998-11	Stainless steel bund sets
	14286	C4479	2022-08	Low voltage busways
*	14335	C4480	2020-06	Luminaires – Part 1: General requirements and tests
	14335-2-1	C4480-2-1	2022-08	Luminaires – Part 2-1 : Particular requirements – Fixed general purpose luminaires
	14335-2-2	C4480-2-2	2017-05	Luminaires – Part 2-2: Particular requirements – Recessed luminaires
	14335-2-3	C4480-2-3	2017-05	Luminaires – Part 2-3: Particular requirements – Luminaires for road

		Date of		
CNS no.	Category no.	Current edition	Title	
				and street lighting
14335-2-4	C4480-2-4	2022-08		Luminaires – Part 2-4: Particular requirements – Portable general purpose luminaires
14335-2-6	C4480-2-6	2011-08		Luminaires - Part 2-6: Particular requirements - Luminaires with built-in transformers for filament lamps
14335-2-19	C4480-2-19	2014-04		Luminaires – Safety – Part 2-19: Particular requirements for air-handling luminaires
*	14399	C4481	2000-01	Thermal links (Thermal cutoffs)
*	14400	C4482	2012-03	Low-voltage three-phase squirrel-cage high-efficiency induction motors (For general purpose)
	14437	C4483	2000-07	Automatic transfer switches
*	14465	C4484	2000-10	Electric game machine
	14576	C4485	2018-06	Compact fluorescent lamps (for general lighting service)
	14607	C4486	2017-03	Static electricity meters
	14608	C4487	2001-12	Demand registers
	14609	C4488	2001-12	Time-of-Use registers
	14816-1	C4489-1	2019-02	Low-voltage switchgear and controlgear – Part 1: General rules
	14816-2	C4489-2	2018-05	Low-voltage switchgear and controlgear – Part 2 : Circuit- breakers
	14816-3	C4489-3	2013-03	Low-voltage switchgear and controlgear –Part 3: Switches, disconnectors, switch-disconnectors and fuse-combination units
	14816-5-1	C4489-5-1	2016-10	Low-voltage switchgear and controlgear – Part 5-1: Control circuit devices and switching elements – Electromechanical control circuit devices
	14816-5-5	C4489-5-5	2016-10	Low-voltage switchgear and controlgear - Part 5-5: Control circuit devices and switching elements - Electrical emergency stop device with mechanical latching function
	14855-1	C4490-1	2004-08	Primary batteries – Part 1 : General
	14857-1	C4491-1	2010-06	Secondary cells and batteries containing alkaline or other non-acid electrolytes - Mechanical tests for sealed portable secondary cells and batteries
	14857-2	C4491-2	2013-08	Secondary cells and batteries containing alkaline or other non-acid electrolytes - Electrical tests of secondary lithium cells and batteries for portable applications
	14905	C4492	2010-09	Hand-held motor-operated electric tools - Safety - Part 1: General requirements
	14905-1	C4492-1	2010-06	Hand-held motor-operated electric tools - Safety - Part 2-1: Particular requirements for drills and impact drills
	14905-2	C4492-2	2010-06	Hand-held motor-operated electric tools - Safety - Part 2-2: Particular requirements for screwdrivers and impact wrenches
	14905-3	C4492-3	2010-06	Hand-held motor-operated electric tools - Safety - Part 2-3: Particular requirements for grinders, polishers and disk-type sanders
	14905-4	C4492-4	2010-06	Hand-held motor-operated electric tools - Safety - Part 2-4: Particular requirements for sanders and polishers other than disk type
	14905-5	C4492-5	2010-09	Hand-held motor-operated electric tools - Safety - Part 2-5: Particular requirements for circular saws
	14905-6	C4492-6	2010-06	Hand-held motor-operated electric tools - Safety - Part 2-6: Particular requirements for hammers
	14905-7	C4492-7	2005-07	Safety of hand-held motor-operated electric tools - Part 2: Particular requirements for spray guns for non-flammable liquids
	14905-8	C4492-8	2010-06	Hand-held motor-operated electric tools - Safety - Part 2-8: Particular requirements for shears and nibblers
	14905-9	C4492-9	2010-06	Hand-held motor-operated electric tools - Safety - Part 2-9: Particular requirements for tappers
	14905-11	C4492-11	2010-06	Hand-held motor-operated electric tools - Safety - Part 2-11: Particular requirements for reciprocating saws (jig and sabre saws)
	14905-12	C4492-12	2010-06	Hand-held motor-operated electric tools - Safety - Part 2-12: Particular requirements for concrete vibrators
	14905-13	C4492-13	2010-06	Hand-held motor-operated electric tools - Safety - Part 2-13:

CNS no.	Category no.	Date of		Title
		Current edition		
				Particular requirements for chain saws
14905-14	C4492-14	2010-06		Hand-held motor-operated electric tools - Safety - Part 2-14: Particular requirements for planers
14905-15	C4492-15	2010-06		Hand-held motor-operated electric tools - Safety - Part 2-15: Particular requirements for hedge trimmers
14905-16	C4492-16	2010-06		Hand-held motor-operated electric tools - Safety - Part 2-16: Particular requirements for tackers
14905-17	C4492-17	2005-07		Safety of hand-held motor-operated electric tools - Part 2: Particular requirements for routers and trimmers
14905-18	C4492-18	2010-06		Hand-held motor-operated electric tools - Safety - Part 2-18: Particular requirements for strapping tools
14905-19	C4492-19	2010-06		Hand-held motor-operated electric tools - Safety - Part 2-19: Particular requirements for jointers
14905-20	C4492-20	2010-06		Hand-held motor-operated electric tools - Safety - Part 2-20: Particular requirements for band saws
14905-21	C4492-21	2010-06		Hand-held motor-operated electric tools - Safety - Part 2-21: Particular requirements for drain cleaners
14971-2-1	C4493-2-1	withdrawn		Switches for household and similar fixed electrical installations – Part 2-1: Particular requirements – Electronic switches (replaced by CNS 60669-2-1)
14971-2-2	C4493-2-2	withdrawn		Switches for household and similar fixed electrical installations – Part 2-2: Particular requirements – Electromagnetic remote-control switches (replaced by CNS 60669-2-2)
14971-2-3	C4493-2-3	withdrawn		Switches for household and similar fixed electrical installations – Part 2-3: Particular requirements – Time-delay switches (replaced by CNS 60669-2-3)
14980-1	C4494-1	2007-03		Appliance couplers for household and similar general purposes - Part 1: General requirements
14980-2-1	C4494-2-1	2007-03		Appliance couplers for household and similar general purposes - Part 2-1: Sewing machine couplers
14980-2-2	C4494-2-2	2007-03		Appliance couplers for household and similar general purposes - Part 2-2: Interconnection couplers for household and similar equipment
14981-1	C4495-1	withdrawn		Switches for appliances – Part 1: General requirements
14981-2-1	C4495-2-1	2007-03		Switches for appliances - Part 2-1: Particular requirements for cord switches
14981-2-4	C4495-2-4	2007-03		Switches for appliances - Part 2-4: Particular requirements for independently mounted switches
14981-2-5	C4495-2-5	2007-03		Switches for appliances - Part 2-5: Particular requirements for change-over selectors
14982-1	C4496-1	2007-03		Miniature fuses - Part 1: Definitions for miniature fuses and general requirements for miniature fuse-links
14982-2	C4496-2	2007-03		Miniature fuses - Part 2: Cartridge fuse-links
14982-3	C4496-3	2007-03		Miniature fuses - Part 3: Sub-miniature fuse-links
14982-4	C4496-4	2007-03		Miniature fuses - Part 4: Universal modular fuse-links
14982-5	C4496-5	2007-03		Miniature fuses - Part 5: Guidelines for quality assessment of miniature fuse-links
14982-6	C4496-6	2007-03		Miniature fuses - Part 6: Fuse-holders for miniature cartridge fuse-links
14982-10	C4496-10	2007-03		Miniature fuses - Part 10: User guide for miniature fuses
15130-1-2	C4497-1-2	2014-07		Tests on electric and optical fibre cables under fire conditions - Part 1-2: Test for vertical flame propagation for a single insulated wire or cable - Procedure for 1 kW pre-mixed flame
15130-1-3	C4497-1-3	2014-07		Tests on electric and optical fibre cables under fire conditions - Part 1-3: Test for vertical flame propagation for a single insulated wire or cable - Procedure for determination of flaming droplets/particles
15130-3-10	C4497-3-10	2007-12		Tests on electric cables under fire conditions - Part 3-10 : Test for vertical flame spread of vertically-mounted bunched wires or cables - Apparatus

CNS no.	Category no.	Date of		Title
		Current edition		
15130-3-21	C4497-3-21	2007-12		Tests on electric cables under fire conditions - Part 3-21 : Test for vertical flame spread of vertically-mounted bunched wires or cables - Category A F/R
15130-3-22	C4497-3-22	2007-12		Tests on electric cables under fire conditions - Part 3-22 : Test for vertical flame spread of vertically-mounted bunched wires or cables - Category A
15130-3-23	C4497-3-23	2007-12		Tests on electric cables under fire conditions - Part 3-23 : Test for vertical flame spread of vertically-mounted bunched wires or cables - Category B
15130-3-24	C4497-3-24	2007-12		Tests on electric cables under fire conditions - Part 3-24 : Test for vertical flame spread of vertically-mounted bunched wires or cables - Category C
15130-3-25	C4497-3-25	2007-12		Tests on electric cables under fire conditions - Part 3-25 : Test for vertical flame spread of vertically-mounted bunched wires or cables - Category D
15156-1	C4498-1	2013-03		High-voltage switchgear and controlgear - Part 1: Common specifications
15156-105	C4498-105	2008-01		High-voltage switchgear and controlgear - Part 105 : Alternating current switch-fuse combinations
15156-200	C4498-200	2022-11		High-voltage switchgear and controlgear - Part 200: AC metal-enclosed switchgear and controlgear for rated voltages above 1 kV and up to and including 52 kV
15156-203	C4498-203	2011-08		High-voltage switchgear and controlgear - Part 203: Gas-insulated metal-enclosed switchgear for rated voltages above 52 kV
14985-1	C4499-1	2018-05		Electrical accessories – Circuit-breakers for overcurrent protection for household and similar installations – Part 1: Circuit-breakers for a.c. operation
14985-2	C4499-2	2018-12		Electrical accessories – Circuit-breakers for overcurrent protection for household and similar installations – Part 2: Circuit-breakers for AC and DC operation
15015	C4500	2016-09		Luminaires for outdoor landscape lighting
15026-1	C4501-1	withdrawn		Fuel cell technologies – Part 1: Terminology
15176-1	C4501-1	2018-10		Wind turbines – Part 1: Design requirements
15176-2	C4501-2	2013-04		Wind turbines – Part 2: Design requirements for small wind turbines
15176-2-1	C4501-2-1	2012-11		Wind turbines – Part 2-1 : Design, performance and safety requirements for small vertical type wind turbines
15176-3	C4501-3	2019-06		Wind turbines – Part 3: Design requirements for offshore wind turbines
15176-4	C4501-4	2022-12		Wind turbines – Part 4: Design requirements for wind turbine gearboxes
15176-11	C4501-11	2015-04		Wind turbines - Part 11: Acoustic noise measurement techniques
15176-12-1	C4501-12-1	2012-07		Wind turbines - Part 12-1: Power performance measurements of electricity producing wind turbines
15176-13	C4501-13	2012-05		Wind turbines - Part 13: Measurement of mechanical loads
15176-14	C4501-14	2011-07		Wind turbines - Part 14: Declaration of apparent sound power level and tonality values
15176-21	C4501-21	2014-02		Wind turbines - Part 21: Measurement and assessment of power quality characteristics of grid connected wind turbines
15176-22	C4501-22	2018-08		Wind turbines – Part 22 : Conformity testing and certification
15176-23	C4501-23	2012-05		Wind turbines - Part 23: Full-scale structural testing of rotor blades
15176-24	C4501-24	2014-06		Wind turbines - Part 24 : Lightning protection
15176-26-1	C4501-26-1	2014-06		Wind turbines - Part 26-1: Time-based availability for wind turbine generating systems
15177	C4502	2008-09		Glossary of terms for wind turbine generator systems
15187-1	C4503-1	2008-07		Low-Voltage Fuses - Part 1 : General requirements
15187-2	C4503-2	2008-07		Low-voltage fuses - Part 2 : Supplementary requirements for fuses for use by authorized persons (fuses mainly for industrial application)
15187-2-1	C4503-2-1	2008-12		Low-voltage fuses - Part 2-1: Supplementary requirements for fuses

		Date of		
CNS no.	Category no.	Current edition	Title	
				for use by authorized persons (fuses mainly for industrial application) - Section I to VI: Examples of types of standardized fuses
15187-3	C4503-3	2008-12		Low-voltage fuses - Part 3: Supplementary requirements for fuses for use by unskilled persons (fuses mainly for household and similar applications)
15187-3-1	C4503-3-1	2008-12		Low-voltage fuses - Part 3-1: Supplementary requirements for fuses for use by unskilled persons (fuses mainly for household and similar applications) - Sections I to IV: Examples of types of standardized
15187-4	C4503-4	2008-07		Low-voltage fuses - Part 4 : Supplementary requirements for fuses-links for the protection of semiconductor devices
15187-4-1	C4503-4-1	2008-07		Low-voltage fuses - Part 4-1 : Supplementary requirements for fuses-links for the protection of semiconductor devices - Sections I to III : Examples of types of standardized fuse-links
15187-6	C4503-6	2012-02		Low-voltage fuses – Part 6: Supplementary requirements for fuse-links for the protection of solar photovoltaic energy systems
* 15233	C4504	2012-07		Fixtures of roadway lighting with light emitting diode lamps
15369-1	C4505-1	2010-09		Secondary batteries for the propulsion of electric road vehicles – Part 1: Test parameters
15369-2	C4505-2	2010-09		Secondary batteries for the propulsion of electric road vehicles – Part 2: Dynamic discharge performance test and dynamic endurance test
15369-3	C4505-3	2010-09		Secondary batteries for the propulsion of electric road vehicles – Part 3: Performance and life testing (Traffic compatible, urban use vehicles)
15285	C4506	2017-07		General requirements and test method for chargers used by mobile terminals and other hand-held ICT devices
15391-1	C4506-1	2010-09		Secondary batteries for the propulsion of electric road vehicles - Part 1: Performance testing for lithium-ion cells
15391-2	C4506-2	2010-09		Secondary batteries for the propulsion of electric road vehicles - Part 2: Reliability and abuse testing for lithium-ion cells
15357	C4507	2010-05		LED modules for general lighting - Safety specifications
15364	C4508	2013-08		Secondary cells and batteries containing alkaline or other non-acid electrolytes - Safety requirements for portable sealed secondary cells, and for batteries made from them, for use in portable
15436	C4509	2012-11		Self-ballast LED-lamps for general lighting services – Safety specifications
15437	C4510	2021-03		LED ceiling luminaires for indoor general lighting
* 15438	C4511	2019-09		Double-capped LED tubular lamps – Safety requirements
15451-1	C4512-1	2011-08		High-voltage switches - Part 1: Switches for rated voltages above 1 kV and less than 52 kV
15452-1	C4513-1	2011-08		High-voltage test techniques - Part 1: General definitions and test requirements
15453	C4514	2011-08		Rotating machines for electric road vehicles
15454	C4515	2011-08		Controllers for electric road vehicles
15455	C4516	2011-08		Road vehicles - Degrees of protection (IP-Code) - Protection of electrical equipment against foreign objects, water and access
15456	C4517	2011-08		Methods of measurement on alternating current light emitting diode components for optical and electrical characteristics
15457	C4518	2011-08		Methods of measurement on alternating current light emitting diode modules for optical and electrical characteristics
61347-1	C4519-1	2018-11		Lamp controlgear – Part 1: General and safety requirements
15467-1	C4519-1	withdrawn		Lamp controlgear – Part 1: General and safety requirements (replaced by CNS 61347-1)
61347-2-3	C4519-2-3	2018-11		Lamp control gear – Part 2-3: Particular requirements for a.c. and/or d.c. supplied electronic control gear for fluorescent lamps
15467-2-3	C4519-2-3	withdrawn		Lamp controlgear - Part 2-3: Particular requirements for a.c. supplied electronic ballasts for fluorescent lamps(replaced by CNS 61347-2-3)
15467-2-8	C4519-2-8	2011-05		Lamp controlgear - Part 2-8: Particular requirements for ballasts for

CNS no.	Category no.	Date of		Title
		Current edition		
				fluorescent lamps
61347-2-9	C4519-2-9	2018-11		Lamp controlgear – Part 2-9: Particular requirements for ballast of discharge lamps (excluding fluorescent lamps)
15467-2-9	C4519-2-9	withdrawn		Lamp controlgear – Part 2-9: Particular requirements for ballasts for discharge lamps (Excluding fluorescent lamps )(replaced by CNS 61347-2-9)
61347-2-13	C4519-2-13	2019-01		Lamp controlgear – Part 2-13: Particular requirements for d.c. or a.c. supplied electronic controlgear for LED modules
15467-2-13	C4519-2-13	withdrawn		Lamp controlgear - Part 2-13: Particular requirements for d.c. or a.c. supplied electronic controlgear for LED modules(replaced by CNS 61347-2-13)
15468-1	C4520-1	2015-08		Fuel cell technologies – Part 1: Terminology
15468-2	C4520-2	2015-08		Fuel cell technologies – Part 2: Fuel cell modules
15468-3-1	C4520-3-1	withdrawn		Fuel cell technologies – Part 3-1: Stationary fuel cell power systems – Safety (replaced by CNS 62282-3-100)
15468-3-2	C4520-3-2	withdrawn		Fuel cell technologies – Part 3-2: Stationary fuel cell power systems – Performance test methods(replaced by CNS 62282-3-200)
15468-3-3	C4520-3-3	2011-10		Fuel cell technologies – Part 3-3: Stationary fuel cell power systems – Installation
15468-5-1	C4520-5-1	2012-05		Fuel Cell Technologies - Part 5-1: Portable fuel cell power systems – Safety
15468-6-101	C4520-6-101	2013-10		Fuel cell technologies – Part 6-101: Micro fuel cell power systems – Safety – General requirements
15468-6-107	C4520-6-107	2013-10		Fuel cell technologies – Part 6-107: Borohydride micro fuel cell power systems – Class 4.3 (water reactive) compounds in indirect borohydride fuel cells
15468-6-200	C4520-6-200	2013-04		Fuel cell technologies - Part 6-200: Micro fuel cell power systems - Performance test methods
15468-6-300	C4520-6-300	2013-04		Fuel cell technologies – Part 6-300: Micro fuel cell power systems – Fuel cartridge interchangeability
15468-7-1	C4520-7-1	2013-04		Fuel cell technologies - Part 7-1: Single cell test methods for polymer electrolyte fuel cell (PEFC)
15490	C4521	2011-09		Methods of measurement on light emitting diode systems
15509	C4522	2011-10		Methods of accelerated life evaluation on light emitting diode dies
15510	C4523	2011-10		Methods of accelerated life evaluation on light emitting diode components and modules
15511-1	C4524-1	2021-06		Electric vehicle conductive charging system – Part 1: General requirements (Amendment 1)
15511-2	C4524-2	2021-03		Electric vehicle conductive charging system – Part 2: Interface requirements
15511-3	C4524-3	2021-03		Electric vehicle conductive charging system – Part 3: Safety requirements
15511-21	C4524-21	2017-04		Electric vehicle conductive charging system – Part 21: Electric vehicle requirements for conductive connection to an a.c./d.c. supply
15511-21-2	C4524-21-2	2021-06		Electric vehicle conductive charging system – Part 21-2: Electric vehicle requirements for conductive connection to an AC/DC supply – EMC requirements for off board electric vehicle
15511-22	C4524-22	2017-04		Electric vehicle conductive charging system – Part 22: AC electric vehicle charging station
15511-23	C4524-23	2013-11		Electric vehicle conductive charging system – Part 23: D.C. electric vehicle charging station (Amendment 1)
15511-24	C4524-24	2013-11		Electric vehicle conductive charging system - part 24: Digital communication between a d.c. EV charging station and an electric vehicle for control of d.c. charging
15533-2	C4525-2	2012-01		Safety requirements for secondary batteries and battery installations – Part 2: Stationary batteries
15533-3	C4525-3	2012-01		Safety requirements for secondary batteries and battery installations



CNS no.	Category no.	Date of		Title
		Current edition		
				– Part 3: Traction batteries
15535	C4526	2012-02		Fluorescent induction lamps - Safety requirements
15588-1	C4527-1	2012-10		Electric traction - Rotating electrical machines for rail and road vehicles - Part 1: Machines other than electronic converter-fed alternating current motors
15588-2	C4527-2	2012-10		Electric traction - Rotating electrical machines for rail and road vehicles - Part 2: Electronic converter-fed alternating current motors
15588-3	C4527-3	2012-10		Electric traction - Rotating electrical machines for rail and road vehicles - Part 3 : Determination of the total losses of converter - fed alternating current motors by summation of the component losses
15588-4	C4527-4	2013-02		Electric traction – Rotating electrical machines for rail and road vehicles – Part 4: Permanent magnet synchronous electrical machines connected to an electronic converter
15591-0	C4528-0	2012-11		Electrical apparatus for use in the presence of combustible dust - Part 0: General requirements
15591-1	C4528-1	2012-10		Electrical apparatus for use in the presence of combustible dust - Part 1: Protection by enclosures “tD”
15591-4	C4528-4	2012-10		Electrical apparatus for use in the presence of combustible dust - Part 4: Type of protection “pD”
15592	C4529	2012-11		Photobiological safety of lamps and lamp systems
15602	C4530	2012-11		LED modules for general lighting – Performance requirements
15603-1	C4531-1	2012-11		Luminaire performance – Part 1: General requirements
15603-2-1	C4531-2-1	2012-11		Luminaire performance – Part 2-1: Particular requirements for LED luminaires
15630	C4532	2019-07		Self-ballasted LED lamps for general lighting services with supply voltages > 50 V – Performance requirements
15650-11	C4533-11	2013-03		Low-voltage surge protective devices-Part 11:Surge protective devices connected to low-voltage power systems – Requirements and test methods
15652-1	C4534-1	2013-03		Intelligent lighting systems - Part 1: System function
15652-2	C4534-2	2013-03		Intelligent lighting systems - Part 2: Wide area network interface
15652-3	C4534-3	2013-03		Intelligent lighting systems - Part 3: Field area network interface
15652-4	C4534-4	2013-03		Intelligent lighting systems - Part 4: Design guide for field area network
15652-5	C4534-5	2013-03		Intelligent lighting systems - Part 5: Lighting equipment
14983	C4535	withdrawn		Dry-type power transformers(replaced by CNS 14984-11)
14984-1	C4536-1	2016-12		Power transformers - Part 1: General
14984-11	C4536-11	2018-12		Power transformers – Part 11: Dry-type transformers
14984-16	C4536-16	2014-06		Power transformers — Part 16: Transformers for wind turbine applications
*	15174	C4537	2008-03	DC or AC supplied electronic control gear for LED module - Performance requirements
	15175	C4538	2008-09	High-voltage test techniques - Partial discharge measurements
	15497	C4539	2020-12	LED floodlights
	15669	C4540	2013-09	Self-ballasted gas-discharge lamps (for general lighting services) – Safety requirements
	15680	C4541	withdrawn	Electrical accessories – Cord sets and interconnection cord sets
	15693-1	C4542-1	2013-10	Conduit systems for cable management - Part 1: General requirements
	15693-21	C4542-21	2013-10	Conduit systems for cable management - Part 21: Particular requirements - Rigid conduit systems
	15693-22	C4542-22	2015-11	Conduit systems for cable management - Part 22: Particular requirements - Pliable conduit systems
	15693-23	C4542-23	2015-11	Conduit systems for cable management - Part 23: Particular requirements - Flexible conduit systems
	15700-1	C4543-1	2017-01	Plugs, socket-outlets, vehicle connectors and vehicle inlets - Conductive charging of electric vehicles - Part 1: General requirements

CNS no.	Category no.	Date of		Title
		Current edition		
15700-2	C4543-2	2017-01		Plugs, socket-outlets, vehicle connectors and vehicle inlets – Conductive charging of electric vehicles – Part 2: Dimensional compatibility and interchangeability requirements for a.c. pin and
15700-3	C4543-3	2013-11		Plugs, socket-outlets, and vehicle couplers – Conductive charging of electric vehicles – Part 3: Dimensional compatibility and interchangeability requirements for d.c. and a.c./d.c. pin and tube-
15700-3-1	C4543-3-1	2021-12		Plugs, socket-outlets, vehicle connectors and vehicle inlets – Conductive charging of electric vehicles – Part 3-1: Vehicle connector, vehicle inlet and cable assembly for DC charging
15713-1	C4544-1	2014-02		Miscellaneous lampholders – Part 1: General requirements and tests
15713-2-2	C4544-2-2	2014-02		Miscellaneous lampholders – Part 2-2: Particular requirements – Connectors for LED-modules
15726	C4545	2014-06		Self-ballasted compact fluorescent lamps for general lighting services - performance requirements
15737	C4546	2014-07		Safety of primary and secondary lithium cells and batteries during transport
60335-1	C4547-1	2014-11		Household and similar electrical appliances - Safety - Part 1: General requirements
60335-2-2	C4547-2-2	2020-10		Household and similar electrical appliances – Safety – Part 2-2: Particular requirements for vacuum cleaners and water-suction cleaning appliances
60335-2-3	C4547-2-3	2014-12		Household and similar electrical appliances - Safety - Part 2-3: Particular requirements for electric irons
60335-2-4	C4547-2-4	2015-09		Household and similar electrical appliances - Safety - Part 2-4: Particular requirements for spin extractors
60335-2-5	C4547-2-5	2015-07		Household and similar electrical appliances – Safety – Part 2-5 : Particular requirements for dishwashers
60335-2-6	C4547-2-6	2020-10		Household and similar electrical appliances – Safety – Part 2-6: Particular requirements for stationary cooking ranges, hobs, ovens and similar appliances
60335-2-7	C4547-2-7	2014-10		Household and similar electrical appliances - Safety - Part 2-7: Particular requirements for washing machines
60335-2-8	C4547-2-8	2015-07		Household and similar electrical appliances - Safety - Part 2-8: Particular requirements for shavers, hair clippers and similar appliances
60335-2-9	C4547-2-9	2023-01		Household and similar electrical appliances – Safety – Part 2-9: Particular requirements for grills, toasters and similar portable cooking appliances
60335-2-10	C4547-2-10	2015-09		Household and similar electrical appliances - Safety - Part 2-10: Particular requirements for floor treatment machines and wet scrubbing machines
60335-2-11	C4547-2-11	2014-10		Household and similar electrical appliances - Safety - Part 2-11: Particular requirements for tumbler dryers
60335-2-12	C4547-2-12	2018-12		Household and similar electrical appliances – Safety – Part 2-12: Particular requirements for warming plates and similar appliances
60335-2-13	C4547-2-13	2014-10		Household and similar electrical appliances - Safety - Part 2-13: Particular requirements for deep fat fryers, frying pans and similar appliances
60335-2-14	C4547-2-14	2015-11		Household and similar electrical appliances – Safety – Part 2-14: Particular requirements for kitchen machines
60335-2-15	C4547-2-15	2018-12		Household and similar electrical appliances – Safety – Part 2-15: Particular requirements for appliances for heating liquids
60335-2-17	C4547-2-17	2015-07		Household and similar electrical appliances - Safety - Part 2-17: Particular requirements for blankets, pads, clothing and similar flexible heating appliances
60335-2-21	C4547-2-21	2020-10		Household and similar electrical appliances – Safety – Part 2-21: Particular requirements for storage water heaters
60335-2-23	C4547-2-23	2020-10		Household and similar electrical appliances – Safety – Part 2-23:

CNS no.	Category no.	Date of		Title
		Current edition		
60335-2-24	C4547-2-24	2016-01		Particular requirements for appliances for skin or hair care Household and similar electrical appliances - Safety - Part 2-24: Particular requirements for refrigerating appliances, ice-cream appliances and ice-makers
60335-2-25	C4547-2-25	2022-12		Household and similar electrical appliances – Safety – Part 2-25: Particular requirements for microwave ovens, including combination microwave ovens
60335-2-28	C4547-2-28	2016-10		Household and similar electrical appliances - Safety - Part 2-28: Particular requirements for sewing machines
60335-2-29	C4547-2-29	2019-12		Household and similar electrical appliances – Safety – Part 2-29: Particular requirements for battery chargers
60335-2-30	C4547-2-30	2015-12		Household and similar electrical appliances – Safety – Part 2-30: Particular requirements for room heaters
60335-2-31	C4547-2-31	2015-09		Household and similar electrical appliances - Safety - Part 2-31: Particular requirements for range hoods and other cooking fume extractors
60335-2-32	C4547-2-32	2023-01		Household and similar electrical appliances – Safety – Part 2-32: Particular requirements for massage appliances
60335-2-34	C4547-2-34	2018-12		Household and similar electrical appliances – Safety – Part 2-34: Particular requirements for motor-compressors
60335-2-35	C4547-2-35	2016-06		Household and similar electrical appliances - Safety - Part 2-35: Particular requirements for instantaneous water heaters
60335-2-36	C4547-2-36	2016-12		Household and similar electrical appliances - Safety - Part 2-36: Particular requirements for commercial electric cooking ranges, ovens, hobs and hob elements
60335-2-39	C4547-2-39	2016-12		Household and similar electrical appliances - Safety - Part 2-39: Particular requirements for commercial electric multi-purpose cooking pans
60335-2-40	C4547-2-40	2019-10		Household and similar electrical appliances – Safety – Part 2-40: Particular requirements for electrical heat pumps, air-conditioners and dehumidifiers
60335-2-41	C4547-2-41	2016-10		Household and similar electrical appliances - Safety - Part 2-41: Particular requirements for pumps
60335-2-42	C4547-2-42	2017-03		Household and similar electrical appliances – Safety – Part 2-42: Particular requirements for commercial electric forced convection ovens, steam cookers and steam-convection ovens
60335-2-43	C4547-2-43	2015-07		Household and similar electrical appliances - Safety - Part 2-43: Particular requirements for clothes dryers and towel rails
60335-2-51	C4547-2-51	2016-10		Household and similar electrical appliances - Safety - Part 2-51: Particular requirements for stationary circulation pumps for heating and service water installations
60335-2-52	C4547-2-52	2016-10		Household and similar electrical appliances - Safety - Part 2-52: Particular requirements for oral hygiene appliances
60335-2-53	C4547-2-53	2018-08		Household and similar electrical appliances – Safety – Part 2-53: Particular requirements of sauna heating appliances and infrared cabins
60335-2-55	C4547-2-55	2015-10		Household and similar electrical appliances - Safety - Part 2-55: Particular requirements for electrical appliances for use with aquariums and garden ponds
60335-2-59	C4547-2-59	2015-07		Household and similar electrical appliances - Safety - Part 2-59: Particular requirements for insect killers
60335-2-60	C4547-2-60	2016-10		Household and similar electrical appliances - Safety - Part 2-60: Particular requirements for whirlpool baths and whirlpool spas
60335-2-61	C4547-2-61	2015-07		Household and similar electrical appliances - Safety - Part 2-61: Particular requirements for thermal-storage room heaters
60335-2-65	C4547-2-65	2015-12		Household and similar electrical appliances – Safety – Part 2-65: Particular requirements for air-cleaning appliances
60335-2-66	C4547-2-66	2016-10		Household and similar electrical appliances - Safety - Part 2-66:

CNS no.	Category no.	Date of		Title
		Current edition		
				Particular requirements for water-bed heaters
60335-2-73	C4547-2-73	2016-10		Household and similar electrical appliances - Safety - Part 2-73: Particular requirements for fixed immersion heaters
60335-2-74	C4547-2-74	2015-10		Household and similar electrical appliances – Safety – Part 2-74: Particular requirements for portable immersion heaters
60335-2-78	C4547-2-78	2017-03		Household and similar electrical appliances – Safety – Part 2-78: Particular requirements for outdoor barbecues
60335-2-80	C4547-2-80	2015-12		Household and similar electrical appliances – Safety – Part 2-80: Particular requirements for fans
60335-2-81	C4547-2-81	2015-12		Household and similar electrical appliances – Safety – Part 2-81: Particular requirements for foot warmers and heating mats
60335-2-84	C4547-2-84	2023-01		Household and similar electrical appliances – Safety – Part 2-84: Particular requirements for toilets appliances
60335-2-85	C4547-2-85	2020-10		Household and similar electrical appliances – Safety – Part 2-85: Particular requirements for fabric steamers
60335-2-90	C4547-2-90	2020-10		Household and similar electrical appliances – Safety – Part 2-90: Particular requirements for commercial microwave ovens
60335-2-102	C4547-2-102	2015-12		Household and similar electrical appliances – Safety – Part 2-102: Particular requirements for gas, oil and solid-fuel burning appliances having electrical connections
60335-2-111	C4547-2-111	2019-10		Household and similar electrical appliances – Safety – Part 2-111: Particular requirements for electric ondol mattress with a non-flexible heated part
60335-2-114	C4547-2-114	2019-12		Household and similar electrical appliances – Safety – Part 2-114: Particular requirements for self-balancing personal transport devices for use with batteries containing alkaline or other non-acid
15766-1	C4548-1	2014-10		Test on gases evolved during combustion of materials from cables - Part 1: Determination of the halogen acid gas content
15766-2	C4548-2	2015-01		Test on gases evolved during combustion of materials from cables - Part 2: Determination of acidity (by pH measurement) and conductivity
*	15767-1	C4549-1	2017-05	Plugs and socket-outlets for household and similar purposes – Part 1: General requirements
	15767-2-5	C4549-2-5	2014-10	Plug and socket-outlets for household and similar purposes - Part 2-5 : Particular requirements for adaptors
	15767-2-7	C4549-2-7	2017-11	Plugs and socket-outlets for household and similar purposes – Part 2-7: Particular requirements for cord extension sets
	15773	C4550	2015-03	Double-capped fluorescent lamps - Safety specifications
	15774	C4551	2015-03	Single-capped fluorescent lamps - Safety specifications
	15780	C4552	2015-03	Metal halide lamps - Performance specification
	15781-1	C4553-1	2015-01	Measurement of smoke density of cables burning under defined conditions - Part 1: Test apparatus
	15781-2	C4553-2	2015-01	Measurement of smoke density of cables burning under defined conditions - Part 2: Test procedure and requirements
	15783-1	C4554-1	2015-03	Low-voltage switchgear and controlgear assemblies - Part 1: General rules
	15784-1	C4555-1	2015-02	Low-voltage electrical installations - Part 1: Fundamental principles, assessment of general characteristics, definitions
	15829	C4556	2015-09	Double-capped LED lamps designed to retrofit linear fluorescent lamps – Safety specifications
	60423	C4557	2015-11	Conduit systems for cable management - Outside diameters of conduits for electrical installations and threads for conduits and fittings
	15871-4	C4558-4	2016-03	Surge arresters – Part 4: Metal-oxide surge arresters without gaps for a.c. systems
*	15872	C4559	2016-03	Detachable cord sets
	60799	C4560	2021-12	Electrical accessories – Cord sets and interconnection cord sets
	61242	C4561	2016-03	Electrical accessories – Cable reels for household and similar

				Date of
CNS no.	Category no.	Current edition	Title	
				purposes
*	15929	C4562	2016-08	Water dispenser supplied by packaged drinking water
	15935	C4563	2016-09	Standard for interconnecting distributed resources with electric power systems
	15944	C4564	2016-10	Electrical supply track systems for luminaires
	15945	C4565	2016-11	Fans – Efficiency classification for fans
	62841-1	C4566-1	2017-05	Electric motor-operated hand-held tools, transportable tools and lawn and garden machinery – Safety – Part 1: General requirements
	62841-2-1	C4566-2-1	2020-12	Electric motor-operated hand-held tools, transportable tools and lawn and garden machinery – Safety – Part 2-1: Particular requirements for hand-held drills and impact drills
	62841-2-2	C4566-2-2	2016-12	Electric motor-operated hand-held tools, transportable tools and lawn and garden machinery – Safety – Part 2-2: Particular requirements for hand-held screwdrivers and impact wrenches
	62841-2-3	C4566-2-3	2022-11	Electric motor-operated hand-held tools, transportable tools and lawn and garden machinery – Safety – Part 2-3: Particular requirements for hand-held grinders, disc-type polishers and disc-type sanders
	62841-2-4	C4566-2-4	2016-12	Electric motor-operated hand-held tools, transportable tools and lawn and garden machinery – Safety – Part 2-4: Particular requirements for hand-held sanders and polishers other than disc type
	62841-2-5	C4566-2-5	2017-05	Electric motor-operated hand-held tools, transportable tools and lawn and garden machinery – Safety – Part 2-5: Particular requirements for hand-held circular saws
	62841-2-8	C4566-2-8	2020-11	Electric motor-operated hand-held tools, transportable tools and lawn and garden machinery – Safety – Part 2-8: Particular requirements for hand-held shears and nibblers
	62841-2-9	C4566-2-9	2016-12	Electric motor-operated hand-held tools, transportable tools and lawn and garden machinery – Safety – Part 2-9: Particular requirements for hand-held tappers and threaders
	62841-2-10	C4566-2-10	2020-11	Electric motor-operated hand-held tools, transportable tools and lawn and garden machinery – Safety – Part 2-10: Particular requirements for hand-held mixers
	62841-2-11	C4566-2-11	2020-12	Electric motor-operated hand-held tools, transportable tools and lawn and garden machinery – Safety – Part 2-11: Particular requirements for hand-held reciprocating saws
	62841-2-14	C4566-2-14	2020-12	Electric motor-operated hand-held tools, transportable tools and lawn and garden machinery – Safety – Part 2-14: Particular requirements for hand-held planers
	62841-2-17	C4566-2-17	2020-11	Electric motor-operated hand-held tools, transportable tools and lawn and garden machinery – Safety – Part 2-17: Particular requirements for hand-held routers
	62841-2-21	C4566-2-21	2020-11	Electric motor-operated hand-held tools, transportable tools and lawn and garden machinery – Safety – Part 2-21: Particular requirements for hand-held drain cleaners
	62841-3-1	C4566-3-1	2017-05	Electric motor-operated hand-held tools, transportable tools and lawn and garden machinery – Safety – Part 3-1: Particular requirements for transportable table saws
	62841-3-6	C4566-3-6	2016-12	Electric motor-operated hand-held tools, transportable tools and lawn and garden machinery – Safety – Part 3-6: Particular requirements for transportable diamond drills with liquid system
	62841-3-9	C4566-3-9	2016-12	Electric motor-operated hand-held tools, transportable tools and lawn and garden machinery – Safety – Part 3-9: Particular requirements for transportable mitre saws
	62841-4-1	C4566-4-1	2021-12	Electric motor-operated hand-held tools, transportable tools and lawn and garden machinery – Safety – Part 4-1: Particular requirements for chain saws
	62841-4-2	C4566-4-2	2021-12	Electric motor-operated hand-held tools, transportable tools and lawn and garden machinery – Safety – Part 4-2: Particular requirements

		Date of		
CNS no.	Category no.	Current edition	Title	
				for hedge trimmers
62841-4-4	C4566-4-4	2023-01	Electric motor-operated hand-held tools, transportable tools and lawn and garden machinery – Safety – Part 4-4: Particular requirements for lawn trimmers, lawn edge trimmers, grass trimmers, brush cutters	
62841-4-5	C4566-4-5	2023-01	Electric motor-operated hand-held tools, transportable tools and lawn and garden machinery – Safety – Part 4-5: Particular requirements for grass shears	
15979	C4567	2017-06	Safety requirements of electrical systems for electric self-balancing scooters (kick scooters)	
*	15983	C4568	2019-01	G5/G13 Double – capped integrated LED lamps – Safety specifications
62282-3-100	C4569-3-100	2017-09	Fuel cell technologies – Part 3-100: Stationary fuel cell power systems – Safety	
62282-3-200	C4569-3-200	2017-09	Fuel cell technologies – Part 3-200: Stationary fuel cell power systems – Performance test methods	
62282-3-201	C4569-3-201	2020-12	Fuel cell technologies – Part 3-201: Stationary fuel cell power systems – Performance test methods for small fuel cell power systems	
62282-3-300	C4569-3-300	2018-01	Fuel cell technologies – Part 3-300: Stationary fuel cell power systems – Installation	
62282-4-101	C4569-4-101	2019-11	Fuel cell technologies – Part 4-101: Fuel cell power systems for propulsion other than road vehicles and auxiliary power units (APU) – Safety of electrically powered industrial trucks	
62282-5-100	C4569-5-100	2021-04	Fuel cell technologies – Part 5-100: Portable fuel cell power systems – Safety	
62282-7-2	C4569-7-2	2019-11	Fuel cell technologies – Part 7-2: Test methods – Single cell and stack performance tests for solid oxide fuel cells (SOFC)	
62931	C4570	2019-01	GX16t-5 capped tubular LED lamp – Safety specifications	
60598-2-11	C4571-2-11	2022-08	Luminaires – Part 2-11: Particular requirements – Aquarium luminaires	
60598-2-12	C4571-2-12	2017-09	Luminaires – Part 2-12: Particular requirements – Mains socket-outlet mounted nightlights	
60598-2-13	C4571-2-13	2022-04	Luminaires – Part 2-13: Particular requirements – Ground recessed luminaires	
60598-2-20	C4571-2-20	2017-09	Luminaires – Part 2-20: Particular requirements – Lighting chains	
60598-2-21	C4571-2-21	2022-04	Luminaires – Part 2-21: Particular requirements – Rope lights	
60598-2-23	C4571-2-23	2022-10	Luminaires – Part 2-23: Particular requirements – Extra-low-voltage lighting systems for ELV light sources	
15988	C4572	2017-10	Breath alcohol test devices for general use – Requirements and test methods	
16012-1	C4573-1	2017-10	Hydrogen fuel – Product specification – Part 1: All applications except proton exchange membrane (PEM) fuel cells for road vehicles	
16012-2	C4573-2	2017-10	Hydrogen fuel – Product specification – Part 2: Proton exchange membrane (PEM) fuel cell applications for road vehicles	
16013	C4574	2017-10	Fuel cell technologies – Fuel cell power systems for telecommunication backup power – Safety	
16018-1	C4575-1	2017-12	Road vehicles – Fuse-links – Part 1: Definitions and general test requirements	
16018-2	C4575-2	2017-12	Road vehicles – Fuse-links – Part 2: User guidelines	
16018-8	C4575-8	2017-12	Road vehicles – Fuse-links – Part 8: Fuse-links with bolt-in contacts (Type H and J) with rated voltage of 450 V	
16019	C4576	2017-11	Compressed-air dryers – Specifications and testing	
*	16027	C4577	2019-05	Double-capped LED lamps – Performance requirement
	16028	C4578	2017-12	Standard test method for grease particle capture efficiency of commercial kitchen filters and extractors
61496-1	C4579-1	2018-01	Safety of machinery – Electro-sensitive protective equipment – Part 1: General requirements and tests	

CNS no.	Category no.	Date of		Title
		Current edition		
61496-2	C4579-2	2018-01		Safety of machinery – Electro-sensitive protective equipment – Part 2: Particular requirements for equipment using active opto-electronic protective devices (AOPDs)
61591	C4580	2017-12		Household range hoods and other cooking fume extractors – Methods for measuring performance
62133-1	C4581-1	2018-01		Secondary cells and batteries containing alkaline or other non-acid electrolytes – Safety requirements for portable sealed secondary cells, and for batteries made from them, for use in portable
62133-2	C4581-2	2018-12		Secondary cells and batteries containing alkaline or other non-acid electrolytes – Safety requirements for portable sealed secondary cells, and for batteries made from them, for use in portable
61980-1	C4582-1	2022-10		Electric vehicle wireless power transfer (WPT) systems – Part 1 : General requirements
60715	C4583	2018-05		Dimensions of low-voltage switchgear and controlgear – Standardized mounting on rails for mechanical support of switchgear, controlgear and accessories
16047	C4584	2020-12		LED flat panel luminaires for indoor general lighting
16048	C4585	2018-06		Desk luminaires for study task
60901	C4586	2018-07		Single-capped fluorescent lamps – Performance specifications
16069	C4587	2018-09		LED luminaires for highway and expressway lighting
60705	C4588	2018-12		Household microwave ovens – Methods for measuring performance
62835	C4589	2018-12		Electric toasters for household and similar use – Methods and measurements for improving accessibility
19880-1	C4590-1	2018-12		Gaseous hydrogen – Fuelling stations – Part 1: General requirements
19880-3	C4590-3	2022-11		Gaseous hydrogen – Fuelling stations – Part 3: Valves
16080	C4591	2019-01		Safety of primary and secondary lithium cells or batteries during transport – Test methods and requirements
17409	C4592	2018-12		Electrically propelled road vehicles – Connection to an external electric power supply – Safety requirements
62933-1	C4593-1	2021-12		Electrical energy storage systems (EESS) – Part 1: Vocabulary
62933-2-1	C4593-2-1	2022-07		Electrical energy storage systems (EESS) – Part 2-1: Unit parameters and testing methods – General specification
62933-3-1	C4593-3-1	2022-11		Electrical energy storage systems (EESS) – Part 3-1: Planning and performance assessment of electrical energy storage systems – General specification
62933-4-1	C4593-4-1	2019-05		Electrical energy storage systems (EESS) – Part 4-1: Guidance on environmental issues – General specification
62933-5-1	C4593-5-1	2019-05		Electrical energy storage systems (EESS) – Part 5-1: Safety considerations for grid-integrated EESS – General specification
62933-5-2	C4593-5-2	2022-06		Electrical energy storage systems (EESS) – Part 5-2: Safety requirements for grid-integrated EES systems – Electrochemical-based systems
61724-1	C4594-1	2019-08		Photovoltaic system performance – Part 1: Monitoring
62949	C4595	2019-05		Particular safety requirements for equipment to be connected to information and communication technology networks
16086	C4596	2019-01		Open type forced ventilating oil burning space heaters
16087	C4597	2019-01		General rules for construction of oil burning appliances
16088	C4598	2019-01		General rules for test methods of oil burning appliances
* 16098	C4599	2019-08		Air cleaners for household and similar use – Methods for measuring the performance
60494	C4600	2019-09		Rolling stock – Pantographs – Characteristics and tests – Pantographs for main line, metros and light rail vehicles
60669-1	C4601-1	2020-09		Switches for household and similar fixed-electrical installations – Part 1: General requirements
60669-2-1	C4601-2-1	2020-02		Switches for household and similar fixed electrical installations – Part 2-1: Particular requirements – Electronic switches
60669-2-2	C4601-2-2	2019-11		Switches for household and similar fixed electrical installations – Part 2-2: Particular requirements – Electromagnetic remote-control

CNS no.	Category no.	Date of		Title
		Current edition		
				switches (RCS)
60669-2-3	C4601-2-3	2019-11		Switches for household and similar fixed electrical installations – Part 2-3: Particular requirements – Time-delay switches (TDS)
60669-2-4	C4601-2-4	2019-11		Switches for household and similar fixed electrical installations – Part 2-4: Particular requirements – Isolating switches
60669-2-5	C4601-2-5	2019-12		Switches for household and similar fixed electrical installations – Part 2-5: Particular requirements – Switches and related accessories for use in home and building electronic systems (HBES)
60669-2-6	C4601-2-6	2020-02		Switches for household and similar fixed electrical installations – Part 2-6: Particular requirements – Firemans' switches for exterior and interior signs and luminaires
62552-1	C4602-1	2019-12		Household refrigerating appliances – Characteristics and test methods – Part 1: General requirements
62552-2	C4602-2	2019-12		Household refrigerating appliances – Characteristics and test methods – Part 2: Performances requirements
62552-3	C4602-3	2019-12		Household refrigerating appliances – Characteristics and test methods – Part 3: Energy consumption and volume
61427-1	C4603-1	2020-02		Secondary cells and batteries for renewable energy storage – General requirements and methods of test – Part 1: Photovoltaic off-grid application
61427-2	C4603-2	2020-02		Secondary cells and batteries for renewable energy storage – General requirements and methods of test – Part 2: On-grid applications
62620	C4604	2020-06		Secondary cells and batteries containing alkaline or other non-acid electrolytes – Secondary lithium cells and batteries for use in industrial applications
62619	C4605	2020-12		Secondary cells and batteries containing alkaline or other non-acid electrolytes – Safety requirements for secondary lithium cells and batteries, for use in industrial applications
61439-2	C4606-2	2020-12		Low-voltage switchgear and controlgear assemblies – Part 2: Power switchgear and controlgear assemblies
61439-3	C4606-3	2020-12		Low-voltage switchgear and controlgear assemblies – Part 3: Distribution boards intended to be operated by ordinary persons (DBO)
61439-4	C4606-4	2020-12		Low-voltage switchgear and controlgear assemblies – Part 4: Particular requirements for assemblies for construction sites (ACS)
61439-5	C4606-5	2021-12		Low-voltage switchgear and controlgear assemblies – Part 5: Assemblies for power distribution in public networks
61439-6	C4606-6	2021-12		Low-voltage switchgear and controlgear assemblies – Part 6: Busbar trunking systems (busways)
61439-7	C4606-7	2021-12		Low-voltage switchgear and controlgear assemblies – Part 7: Assemblies for specific applications such as marinas, camping sites, market squares, electric vehicle charging stations
16890-1	C4607-1	2021-03		Air filters for general ventilation – Part 1: Technical specifications, requirements and classification system based upon particulate matter efficiency (ePM)
16890-2	C4607-2	2021-03		Air filters for general ventilation – Part 2: Measurement of fractional efficiency and air flow resistance
62752	C4608	2021-06		In-cable control and protection device for mode 2 charging of electric road vehicles (IC-CPD)
16494	C4609	2021-12		Heat recovery ventilators and energy recovery ventilators – Method of test for performance
16154	C4610	2021-12		Cooking fume handling equipment for commercial kitchen
62606	C4611	2021-12		General requirements for arc fault detection devices
63056	C4612	2021-12		Secondary cells and batteries containing alkaline or other non-acid electrolytes – Safety requirements for secondary lithium cells and batteries for use in electrical energy storage systems
63057	C4613	2021-12		Secondary cells and batteries containing alkaline or other non-acid



CNS no.	Category no.	Date of		Title
		Current edition		
				electrolytes – Safety requirements for secondary lithium batteries for use in road vehicles not for the propulsion
16160	C4614	2021-12		Uniform provisions concerning the approval of vehicles with regard to specific requirements for the electric power train
60974-2	C4615-2	2021-12		Arc welding equipment – Part 2: Liquid cooling systems
60974-5	C4615-5	2022-09		Arc welding equipment – Part 5: Wire feeders
60974-10	C4615-10	2022-09		Arc welding equipment – Part 10: Electromagnetic compatibility (EMC) requirements
18326	C4616	2022-06		Portable air-cooled air conditioners and air-to-air heat pumps – Testing and rating for performance
63119-1	C4617-1	2021-12		Information exchange for electric vehicle charging roaming service – Part 1: General requirements
62053-21	C4618-21	2021-12		Electricity metering equipment – Particular requirements – Part 21 : Static meters for AC active energy (classes 0.5, 1 and 2)
62053-22	C4618-22	2021-12		Electricity metering equipment – Particular requirements – Part 22: Static meters for AC active energy (classes 0.1S, 0.2S and 0.5S)
62053-23	C4618-23	2021-12		Electricity metering equipment – Particular requirements – Part 23: Static meters for reactive energy (classes 2 and 3)
62053-24	C4618-24	2021-12		Electricity metering equipment – Particular requirements – Part 24: Static meters for fundamental component reactive energy (classes 0.5S, 1S, 1, 2 and 3)
62586-1	C4619-1	2021-12		Power quality measurement in power supply systems – Part 1: Power Quality Instruments
62749	C4620	2021-12		Assessment of power quality – Characteristics of electricity supplied by public networks
61058-1	C4621-1	2022-06		Switches for appliances – Part 1: General requirements
61058-1-1	C4622-1-1	2022-06		Switches for appliances – Part 1-1: Requirements for mechanical switches
61058-1-2	C4622-1-2	2022-06		Switches for appliances – Part 1-2: Requirements for electronic switches
16168	C4623	2022-07		Methods of measurement on circadian action factor (CAF) for lighting sources and luminaires
62840-1	C4624-1	2022-07		Electric vehicle battery swap system – Part 1 : General and guidance
62840-2	C4624-2	2022-08		Electric vehicle battery swap system – Part 2 : Safety requirements
60282-1	C4625-1	2022-11		High-voltage fuses – Part 1: Current-limiting fuses
60282-2	C4625-2	2022-10		High-voltage fuses – Part 2: Expulsion fuses
60730-1	C4626-1	2022-10		Automatic electrical controls – Part 1: General requirements
22041	C4627	2022-11		Refrigerated storage cabinets and counters for professional use – Performance and energy consumption
19881	C4628	2022-11		Gaseous hydrogen – Land vehicle fuel containers
62639	C4629	2023-01		Fluorescent induction lamps – Performance specification
62909-1	C4630-1	2022-12		Bi-directional grid-connected power converters – Part 1: General requirements
62909-2	C4630-2	2022-12		Bi-directional grid-connected power converters – Part 2: Interface of GCPC and distributed energy resources
62660-3	C4631-3	2022-12		Secondary lithium-ion cells for the propulsion of electric road vehicles – Part 3: Safety requirements
60947-6-1	C4632-6-1	2023-01		Low-voltage switchgear and controlgear – Part 6-1: Multiple function equipment – Transfer switching equipment
15130-1-1	C4977-1-1	2014-07		Tests on electric and optical fibre cables under fire conditions - Part 1-1: Test for vertical flame propagation for a single insulated wire or cable – Apparatus
15130-2-1	C4977-2-1	2014-07		Tests on electric and optical fibre cables under fire conditions - Part 2-1: Test for vertical flame propagation for a single small insulated wire or cable – Apparatus
15130-2-2	C4977-2-2	2014-07		Tests on electric and optical fibre cables under fire conditions - Part 2-2: Test for vertical flame propagation for a single small insulated

		Date of		
CNS no.	Category no.	Current edition	Title	
			wire or cable - Procedure for diffusion flame	
<b>General</b>				
	413	C5001	withdrawn	Fundamental symbols for electric communications engineering
	414	C5002	withdrawn	Symbols of telephone
	415	C5003	withdrawn	Symbols of telegraph
	416	C5004	withdrawn	Symbols of wireless telephone and telegraph
	417	C5005	withdrawn	Symbols of electronic tube
	3433	C5006	withdrawn	Dimensions of aerial rods and plate cores made of ferromagnetic oxides
	3665	C5007	withdrawn	Dimensions for U cores made of ferromagnetic oxides
*	3694	C5008	withdrawn	General rules of variable resistors for use in electronic equipment
	3695	C5009	withdrawn	General rules of electroiytic capacitors (→C N S 4 8 5 6 、 4 8 5 8 )
	3768	C5010	withdrawn	Dimensions of PE variable capacitor for transistor radios
	3770	C5011	withdrawn	Dimensions and winding of intermediate frequency transformer and oscillator coil for transistor radio
	3772	C5012	withdrawn	Ratios and impedances of standard Q.s. of intermediate frequency transformer for transistor radio
	3773	C5013	withdrawn	General rules of intermediate frequency transformer for FM radio (Tube type)
	3999	C5014	withdrawn	General rules for mechanical standardization of semiconductor integrated circuits
	4329	C5015	withdrawn	The symbol of semiconductor network
	4330	C5016	withdrawn	The symbol of transistors
	4331	C5017	withdrawn	The symbol of semiconductor rectifier
	4493	C5018	withdrawn	Plugs, telephone and accessory screws (General rules)
	4506	C5019	withdrawn	Jacks, telephone (General Rules)
	4589	C5020	1994-09	General Rules of Fixed Capacitors for Use in Electronic Equipment
	4590	C5021	withdrawn	General rules of line capacitors for electronic equipment
	4706	C5022	2000-11	General Rules of Paper and Plastic Film Capacitors for Electronic Equipment
	4711	C5023	1997-12	General rules of fixed resistors for use in electronic equipment
	4736	C5024	1986-06	General Rules of Connectors for Electronic Equipment
	4738	C5025	1986-06	General Rules of Connectors for Radio Frequency Coaxial Cables
	4783	C5026	withdrawn	Magnetic tape recording and reproducing systems: Dimensions and characteristics
	4784	C5027	withdrawn	General rules for cone type loudspeakers
	4857	C5028	withdrawn	General rules of fixed ceramic capacitors for electronic equipment (→C N S 3 5 1 6 、 4 8 6 0 )
	4901	C5029	1994-01	General Rules for Reliability Assured Electronic Components
	4902	C5030	withdrawn	General rules for reliability assured fixed capacitors (→C N S 4 5 8 9 )
	4903	C5031	withdrawn	General rules for reliability assured fixed paper and plastic film capacitors
	4904	C5032	withdrawn	General rules for reliability assured fixed ceramic capacitors (→C N S 3 5 1 6 、 4 8 6 0 )
	4906	C5033	withdrawn	General rules for reliability assured electrolytic capacitors (→C N S 4 8 5 6 、 4 8 5 8 )
	4953	C5034	withdrawn	Cassette for commercial tape records and domestic use dimensions and characteristics
	5207	C5037	withdrawn	Decade resistive voltage dividers (Direct current type)
	5208	C5038	withdrawn	Requirements for decade transformer divider (Voltage type)
	5429	C5039	withdrawn	Criteria for inspaction for highly reliable soldered connections in electronic and electrical application
	5552	C5040	withdrawn	Intermediate frequencies for entertainment receivers
	5553	C5041	withdrawn	Unit standards for ceramic-based printed circuit
	5556	C5042	1986-10	Reproducing Discrete Four-Signal Disc Records

CNS no.	Category no.	Date of		Title
		Current edition		
5557	C5043	withdrawn		Standard for unrecorded magnetic tape for reel-to-reel instrumentation application
5558	C5044	withdrawn		Precision reel for magnetic tape
5752	C5045	withdrawn		Rating values of interelement capacitance for electron tubes
5756	C5046	withdrawn		Loudspeaker,dynamic,magnetic structures and impedance
5757	C5047	withdrawn		Standard on definitions and terminology in connection with record changers and manual phonographs
5758	C5048	withdrawn		Phasing of receiver loudspeakers
5759	C5049	withdrawn		Acceptance testing of radio receiver speakers
5760	C5050	withdrawn		Test point locations for printed wiring assemblies
5761	C5051	withdrawn		Recommended test method layer-to-layer adhesion of magnetic tape
5762	C5052	withdrawn		Basic requirements for broadcast microphone cables
5763	C5053	withdrawn		Definition and measurement of voltage jump for voltage regulator and reference tubes
5764	C5054	withdrawn		Voltage regulator diode noise voltage measurement
5765	C5055	withdrawn		Definition of normal operation conditions for television receiver
5770	C5057	1987-09		General Specification for Thermistors, Insulated and Non-Insulated
5775	C5058	withdrawn		Standard temperatures for electrical measurement and rating specification-semiconductor devices
6137	C5059	1988-01		Color Coding of Discrete Semiconductor Devices
6138	C5060	1989-10		Disc Recording Characteristic
6139	C5061	1989-10		Decoders(Type I) for Reproducing Matrix Quadraphonic Disc Records
6140	C5062	1989-10		Decoders(Type II) for Reproducing Matrix Quadraphonic Disc Records
6141	C5063	withdrawn		Safety level of electromagnetic radiation with respect to personnel
6142	C5064	1989-11		Preferred Values
6313	C5065	withdrawn		Display storage tube nomenclature
6314	C5066	withdrawn		Engineering Specifications Format for Color CCTV Camera Equipment
6315	C5067	withdrawn		Electrical performance standards for monochrome closed circuit television cameras 525/60 random interlace
6317	C5068	withdrawn		Ranges and conditions for specifying beta for low power, audio frequency transistors
6318	C5069	withdrawn		Packing tests for radio, radio-phonographs, high fidelity equipment, and recorders
6319	C5070	withdrawn		Definition and register, printed wiring
6320	C5071	withdrawn		Definitions for electromagnetic delay lines
6321	C5072	withdrawn		Color coding of chassis wiring
6435	C5073	withdrawn		Television tuner performance presentation and measurements (→ CNS 11446)
6560	C5074	withdrawn		Measurement of reverse recovery time for semiconductor diodes
6561	C5075	withdrawn		Characterization of a reverse recovery test fixture
6661	C5076	1988-01		Colors for Color Identification and Coding
6662	C5077	1986-10		Fiber Optic Connector Terminology
6798	C5078	withdrawn		Encoded color bar signal
6806	C5079	withdrawn		Type designation system for discrete semiconductor devices
6807	C5080	withdrawn		Type designation system for photoconductive cells
6808	C5081	1989-10		General Rules for Transistors
6809	C5082	1989-10		Outlines Drawing Methods for Transistors
6898	C5089	withdrawn		Standard dimensions for unrecorded magnetic sound recording tape
6900	C5090	withdrawn		Electrical performance standards for closed circuit television camera 525/60 interlaced 2:1
6901	C5091	withdrawn		Engineering specifications outline for monochrome CCTV camera equipment
7010	C5092	withdrawn		Standard dimensional system for automation requirements
7011	C5093	withdrawn		Numbering of electrodes in multiple electrode semiconductor devices and designation of units in multiple unit semiconductor

CNS no.	Category no.	Date of		Title
		Current edition		
				devices
7014	C5094	withdrawn		Graphical symbols for electronic and ionic tubes
7015	C5095	withdrawn		Graphical symbols for aerials
7016	C5096	withdrawn		Graphical symbols for pulse and modulation
7017	C5097	withdrawn		Special symbols for danger alarm systems
7018	C5098	withdrawn		Graphical symbols for magnetic heads
7019	C5099	withdrawn		Graphical symbols for microwave circuit elements
7020	C5100	withdrawn		Graphical symbols for detectors and measuring instrument accessories for ionizing radiation
7021	C5101	withdrawn		Standard definitions of terms on antennas and waveguides
7022	C5102	withdrawn		Standard definitions of terms for radio wave propagation
7226	C5110	withdrawn		Implosion-protected cathode-ray tubes for television type appliances
7360	C5111	withdrawn		Graphic symbols for capacitors
7361	C5112	withdrawn		Fundamental symbols for electrical and electronics
7362	C5113	withdrawn		Graphic symbols for conductor, cable and wiring
7363	C5114	withdrawn		Graphic symbols for distribution and transmission lines
7364	C5115	withdrawn		Graphic symbols for contacts
7365	C5116	withdrawn		Graphic symbols for switches and contactors
7366	C5117	withdrawn		Graphic symbols for relays
7649	C5119	withdrawn		10-Key keyboard for adding and calculating machines ( → C N S 1 4 4 8 4 - 1 ~ 1 4 4 8 4 - 8 )
7651	C5120	withdrawn		Electrical performance standards for high resolution monochrome closed circuit television camera
7652	C5121	withdrawn		Electrical performance standards for direct view monochrome closed circuit television monitors 525/60 interlaced 2:1
7653	C5122	withdrawn		Electrical performance standards for direct view high resolution monochrome closed circuit television monitors
7655	C5124	withdrawn		Data Processing - Procedure for Registration of Escape Sequences
8384	C5128	withdrawn		Magnetic tape for instrumentation applications standardization of analogue modes of recording
8385	C5129	withdrawn		Standards for magnetic tape records: four-track open-reel stereophonic records at 9.5 and 19 cm/s (3.75 and 7.5 in/s)
8662	C5130	withdrawn		Graphic symbols for clocks and electrical time service devices
8663	C5131	withdrawn		Graphic symbols for components for precision engineering devices, especially clocks
8664	C5132	withdrawn		Graphic symbols for frequencies, bands, modulation and frequency diagrams
8665	C5133	withdrawn		Graphic symbols for microwave technology masers and lasers
8666	C5134	withdrawn		Additional symbols for electrical and telecommunication graphical symbols
8939	C5135	withdrawn		Definition of a cash register
8940	C5136	withdrawn		Definition of a calculator
8941	C5137	withdrawn		Definition of accounting machines
9079	C5138	1994-03		Color Code for Electronic Parts
10330	C5159	withdrawn		Interface between numerical control equipment and data terminal equipment employing parallel binary data interchange
10546	C5165	withdrawn		Glossary of pulse introduction
10547	C5166	withdrawn		Glossary of waveforms reference terms
10548	C5167	withdrawn		Pulse description
10549	C5168	withdrawn		Glossary of waveforms produced by superposition
10550	C5169	withdrawn		Glossary of pulse distortion and jitter
10551	C5170	withdrawn		Glossary of pulse timing relationship
10552	C5171	withdrawn		Glossary of processing of waveforms
10553	C5172	withdrawn		Glossary of basic pulse techniques
10554	C5173	withdrawn		General rules of copper-clad laminates for printed circuits
10617	C5174	withdrawn		Glossary of integrated circuit introduction
10618	C5175	withdrawn		Glossary of general integrated circuit
10619	C5176	withdrawn		Glossary of integrated circuit production techniques

CNS no.	Category no.	Date of		Title
		Current edition		
10850	C5184	2000-10		General rules for printed wiring boards
10851	C5185	2000-10		Multilayer printed wiring boards
11096	C5186	withdrawn		General rules for headphones
11104	C5187	withdrawn		Lead taping of components in hybrid radial lead configuration for automatic insertion
11105	C5188	withdrawn		Lead taping of components in the radial configuration for automatic insertion
11106	C5189	withdrawn		Thermal equilibrium conditions for measurement of diode static parameters
11182	C5190	withdrawn		General rules of high frequency inductors and intermediate frequency transformers for electronic equipment
11219	C5195	withdrawn		Calculating machines - Numeric section of ten-key keyboards (→ CNS 14484-1~14484-8)
11220	C5196	withdrawn		Calculating machines - Keytop and printed or displayed symbols (→ CNS 14484-1~14484-8)
11222	C5198	withdrawn		Dictation equipment - symbols
11331	C5199	withdrawn		Standard optical waveguide fiber material classes and preferred sizes
11475	C5204	1994-01		General Rules for Electronic Components
11476	C5205	1994-01		General Test Procedure of Failure Rate for Electronic Components
11762	C5211	1986-11		Environmental Requirements for Electronic Equipments
11786	C5212	1986-12		General Rule for Low Frequency (Below 3MHz) Electrical Connectors
11895	C5213	1987-04		General Rules for Reliability Assured Fixed Mica Capacitors
11901	C5214	1987-04		Dimensions of Racks and Unit Chassis of Electronic Equipment for General Use
*	11941	C5215	1987-05	General Rule for Electronic Scale with Price Indication
	12009	C5216	withdrawn	Electromagnetic Interference of Color (Monochrome) Television Broadcast Transmissions
	12080	C5217	1987-09	Glossary of Terms Used in Electronic Measuring Apparatus
	12211	C5218	1994-01	Environmental Requirements for Electronic Components
	12287	C5219	2000-11	General rules for reliability assured fixed resistors
	12288	C5220	1988-05	General Rules for Reliability Assured Fixed Metal Film Resistors
	12291	C5221	1988-05	General Rules for Reliability Assured Fixed Carbon Composition Resistors
	12295	C5222	1988-05	General Rules for Reliability Assured Power Type Fixed Wire Wound Resistors
	12506	C5226	1989-04	General Rule of Liquid Crystal Display Panel
	12711	C5231	1990-05	Pin Allocations for Microprocessor Systems Using the Connector for Frequencies Below 3 MHz for Use with Printed Boards
	12712	C5232	1990-05	Sampling Rate and Source Encoding for Professional Digital Audio Recording
	12713	C5233	1990-05	Mechanical Structures for Electronic Equipment Terminology
	12714	C5234	1990-05	Binary Direct Voltage Signals for Process Measurement and Control Systems
	12901	C5251	1991-09	Digital Interconnection of Television Receivers and Electronic Equipments(8 pin)
	12902	C5252	1991-09	Analog Interconnection of Television Receivers and Electronic Equipment (21 pin)
	13022	C5254	withdrawn	Electromagnetic compatibility for Industrial-Process Measurement and Control Equipment (Part 1: General introduction) (→ CNS 14676-1)
	13022-1	C5254-1	withdrawn	Electromagnetic compatibility for Industrial-Process Measurement and Control Equipment (Part 2 : Electrostatic Discharge Requirements) (→ CNS 14676-2)
	13022-2	C5254-2	withdrawn	Electromagnetic compatibility for Industrial-Process Measurement and Control Equipment (Part 4 : Electrical Fast Transient / Burst Requirement) (→ CNS 14676-4)

CNS no.	Category no.	Date of		Title
		Current edition		
13022-3	C5254-3	withdrawn		Electromagnetic compatibility for Industrial-Process Measurement and Control Equipment (Part 5 : Surge Immunity Requirement ) ( → CNS 1 4 6 7 6 – 5 )
13195	C5255	1993-05		Audio Recording - PCM Encoder/Decoder System
13196	C5256	1993-05		Sampling Rate and Source Encoding for Professional Digital Audio Recording
13197	C5257	1993-05		Determination of the Image Distortion of Electro - Optical X - Ray Image Intensifiers
13211	C5258	1993-06		Audiovisual Equipment and System - Rating Plates - Marking of Electricity Supply
13212	C5259	1993-06		Surface Acoustic Wave (SAW) Resonators Part 1: General Information and Standard Values
13213	C5260	1993-06		Procedures for Temperature and Irradiance Corrections to Measured I-V Characteristics of Crystalline Silicon Photovoltaic Devices
13484	C5261	1995-01		Allocation of Loudness Ratings for International Telephone Connection
13485	C5262	1995-01		Allocation of Loudness Ratings for Domestic Public Switched Telephone Networks
13544	C5263	1995-06		Frequency Weighting for the Measurement of Aircraft Noise (D-Weighting)
13545	C5264	1995-06		Acoustics - Preferred Frequencies for Measurements
14299	C5265	2016-12		Electromagnetic compatibility vocabulary
14300	C5266	1999-04		Characteristics of a single-mode optical fiber
14301-1	C5267-1	1999-04		Optical fiber cables part 1 : generic specifications
14301-2	C5267-2	1999-04		Optical fiber cables part 2: product specifications
14301-3	C5267-3	2000-02		Optical fiber cables Part 3: telecommunication cables – specifications
14336	C5268	withdrawn		Information technology equipment – Safety – General requirements
14336-1	C5268-1	2015-04		Information technology equipment - Safety - Part 1: General requirements
14336-21	C5268-21	2013-10		Information technology equipment - Safety - Part 21: Remote power feeding
14336-22	C5268-22	2013-10		Information technology equipment - Safety - Part 22: Equipment to be installed outdoors
14336-23	C5268-23	2013-10		Information technology equipment - Safety - Part 23: Large data storage equipment
* 14408	C5269	2004-10		Audio, video and similar electronic apparatus - Safety requirements
14587-1	C5270-1	2001-11		Electromagnetic compatibility (EMC) - Part 1: General–Section 1: Application and interpretation of fundamental definitions and terms
14588-5	C5271-5	2001-11		Electromagnetic compatibility (EMC)–Part 2: Environment – Section 5 : Classification of electromagnetic environments
14673	C5272	2002-09		Interference to mobile radiocommunications in the presence of impulsive noise - Methods of judging degradation and measures to improve performance
14674-1	C5273-1	2006-06		Electromagnetic compatibility (EMC) - Generic standards - Part 1: Immunity for residential, commercial and light - industrial environments
14674-2	C5273-2	2006-06		Electromagnetic compatibility (EMC) - Generic standards - Part 2: Immunity industrial environments
14674-3	C5273-3	2022-04		Electromagnetic compatibility (EMC) – Generic standards – Part 3: Emission standard for equipment in residential environments
14674-4	C5273-4	2016-09		Electromagnetic compatibility (EMC) – Generic standards – Part 4: Emission standard for industrial environments
14734	C5274	2003-06		Terms and definitions for printed circuits
14735-3	C5275-3	2003-06		Design and use of printed boards
14735-7	C5275-7	2003-06		Specification for single and double sided flexible printed boards without through connections
14735-8	C5275-8	2003-06		Specification for single and double sided flexible printed boards with

CNS no.	Category no.	Date of		Title
		Current edition		
				through connections
14735-9	C5275-9	2003-06		Specification for flexible multilayer printed boards with through connections
*	14757-2	C5276-2	2019-12	Uninterruptible power systems (UPS) – Part 2: Electromagnetic compatibility (EMC) requirements
*	14843-1	C5277-1	2004-07	Uninterruptible power systems (UPS) – Part 1 : General and safety requirements for UPS used in operator access areas
*	14843-2	C5277-2	2004-07	Uninterruptible power systems (UPS) – Part 1 : General and safety requirements for UPS used in restricted access location
14934-2	C5278-2	2005-07		Electromagnetic compatibility (EMC) - Limits - Part 2: Limits for harmonic current emissions (equipment input current $\leq 16A$ per phase)
14934-3	C5278-3	2005-07		Electromagnetic compatibility (EMC) - Limits - Part 3: Limitation of voltage changes, voltage fluctuations and flicker in public low-voltage supply systems, for equipment with rated current $\leq 16A$ per
14934-4	C5278-4	2005-07		Electromagnetic compatibility (EMC) - Limits - Part 4: Limitation of emission of harmonic current in low-voltage power supply systems for equipment with rated current greater than 16A
14934-5	C5278-5	2005-07		Electromagnetic compatibility (EMC) - Limits - Part 5: Limitation of voltage fluctuations and flicker in low-voltage power supply systems for equipment with rated current greater than 16A
14972	C5279	2022-07		Digital terrestrial television receivers – General requirements
15016-1	C5280-1	2014-07		Safety of laser products – Part 1: Equipment classification and requirements
15016-2	C5280-2	2014-07		Safety of laser products – Part 2: Safety of optical fibre communication systems (OFCS)
15016-5	C5280-5	2014-07		Safety of laser products - Part 5: Manufacturer's checklist for CNS 15016-1
15113	C5281	2007-09		Solar photovoltaic energy systems - Terms and symbols
15270	C5282	2009-07		Technical specification for mobile and portable digital terrestrial television receivers
15549	C5283	2012-07		Methods of measurement of touch current and protective conductor current
15598-1	C5284-1	2020-06		Audio/video, information and communication technology equipment – Part 1: Safety requirements
15661	C5285	2013-06		Road vehicles - Electrical and electronic equipment for a supply voltage of 42 V - Electrical loads
62548	C5286	2017-10		Photovoltaic (PV) arrays – Design requirements

## Testing and Inspection

	1262	C6001	withdrawn	Intermediate frequency transformers for broadcast receivers
	1265	C6002	withdrawn	Testing standard for loudspeaker
	2656	C6003	withdrawn	Method of Test for VHF BLACK-AND-WHITE Television Broadcast Transmission
	2808	C6004	withdrawn	Method of test for 101 type automatic and common battery telephone sets
	3209	C6005	withdrawn	Method of test for 600 type automatic and common battery telephone set
	3259	C6006	withdrawn	Method of test for phonograph radios
	3432	C6007	1994-09	Method of Test of Fixed Capacitors for Use in Electronic Equipment
	3545	C6008	withdrawn	Method of test for record turntables
	3622	C6009	1995-11	Basic Environmental Testing Procedures Part 1:General and Guidance
*	3623	C6010	1995-11	Basic Environmental Testing Procedures Part 2:Tests,Test Ca:Damp Heat,Steady State
	3624	C6011	withdrawn	Method of Test for Electronic Components (Determination of Humidity (Steady State Test II))
	3625	C6012	withdrawn	Damp Heat (Cyclic) Testing Procedures for Electronic Components

	Date of			
	CNS no.	Category no.	Current edition	Title
*	3626	C6013	withdrawn	Voltage endurance testing method for electronic components
	3627	C6014	1995-11	Basic Environmental Testing Procedures Part 2:Tests,Test Ka:Salt Mist
	3628	C6015	1990-12	Basic Environmental Testing Procedures Part 2 : Tests, Test U : Robustness of Terminations and Integral Mounting Device
*	3629	C6016	1989-06	Basic Environmental Testing Procedures -- Part 2 : Tests, Test Fc and Guidance : Vibration (Sinusoidal)
	3630	C6017	withdrawn	Method of Test for Electronic Components (Vibration, High Frequency)
	3631	C6018	1993-05	Basic Environmental Testing Procedures, Part 2: Tests - Test Q: Sealing
*	3632	C6019	1991-10	Basic Environmental Testing Procedures Part 2: Tests , Test T : Soldering
	3633	C6020	1993-12	Basic Environmental Testing Procedures Part 2: Tests, Test N: Change of Temperature
	3634	C6021	1989-07	Basic Environmental Testing Procedures,Part 2 : Tests, Test B : Dry Heat
	3635	C6022	withdrawn	Insulation resistance testing method for electronic components
	3738	C6023	1985-11	Method of Test for Low Voltage Capacitors
	3739	C6024	1985-12	Method of Test for High Voltage Power Capacitors
	3769	C6025	withdrawn	Method of test for PE variable capacitor of transistor radio
	3771	C6026	withdrawn	Method of test for intermediate frequency transformer for transistor radio
	3774	C6027	withdrawn	Method of test for intermediate frequency transformer (Tube type) for FM radio
	3936	C6028	withdrawn	Method of test for fluorescent lamps (for general lighting service) ( → C N S 6 9 1 )
*	3997	C6029	1989-10	Method of Test for Transistors
	3998	C6030	withdrawn	Method of test for small signal diodes
	4712	C6031	1993-10	Method of Test for Digital Electronic Watches
	4737	C6032	1986-06	Methods of Test of Connectors for Electronic Equipment
	4785	C6033	withdrawn	Method of test for cone type loudspeakers
	4788	C6034	withdrawn	Method of test for horn type loudspeakers
	4876	C6035	withdrawn	Shock testing for electrical indicating instruments
	4877	C6036	1987-09	Method of Test for Pointer Type Voltmeters
	4899	C6037	1997-12	Test methods of fixed resistors for use in electronic equipment
	4900	C6038	withdrawn	Test methods of variable resistors for electronic equipment
*	4951	C6039	1989-11	Measurement Method of Receiving Antenna for UHF Television Broadcast Transmissions
*	4952	C6040	1989-11	Measurement Methods of Receiving Antenna for VHF Television Broadcast Transmissions
	5066	C6041	withdrawn	Environmental testing methods and endurance testing methods for discrete semiconductor devices (General rules)
	5067	C6042	withdrawn	Environmental testing methods and endurance testing methods for discrete semiconductor devices (Test of soft solders for heat endurance)
	5068	C6043	withdrawn	Environmental testing methods and endurance testing methods for discrete semiconductor devices (Solderability testing for adhesion)
	5069	C6044	withdrawn	Environmental testing methods and endurance testing methods for discrete semiconductor devices (Test of thermal shock)
	5070	C6045	withdrawn	Environmental testing methods and endurance testing methods for discrete semiconductor devices (Cycle test for temperature)
	5071	C6046	withdrawn	Environmental testing methods and endurance testing methods for discrete semiconductor devices (Cycle test for temperature & humidity)
	5072	C6047	withdrawn	Environmental testing methods and endurance testing methods for discrete semiconductor devices (Sealing test)
	5073	C6048	withdrawn	Environmental testing methods and endurance testing methods for



CNS no.	Category no.	Date of		Title
		Current edition		
				discrete semiconductor devices (Shock test)
5074	C6049	withdrawn		Environmental testing methods and endurance testing methods for discrete semiconductor devices (Test of free fall)
5075	C6050	withdrawn		Environmental testing methods and endurance testing methods for discrete semiconductor devices (Test of constant acceleration)
5076	C6051	withdrawn		Environmental testing methods and endurance testing methods for discrete semiconductor devices (Vibration test)
5077	C6052	withdrawn		Environmental testing methods and endurance testing methods for discrete semiconductor devices (Test of terminal strength)
5078	C6053	withdrawn		Environmental testing methods and endurance testing methods for discrete semiconductor devices (Test of salt mist spray)
5538	C6054	withdrawn		Environmental testing methods and endurance testing methods for discrete semiconductor devices (Continuous operation test of small signal diodes)
5539	C6055	withdrawn		Environmental testing methods and endurance testing methods for discrete semiconductor devices (Continuous operation test of constant voltage diodes)
5540	C6056	withdrawn		Environmental testing methods and endurance testing methods for discrete semiconductor devices (Reverse bias test of variable capacitance diodes under high temperature)
5541	C6057	withdrawn		Environmental testing methods and endurance testing methods for discrete semiconductor devices (Continuous operation test of transistor)
5542	C6058	withdrawn		Environmental testing methods and endurance testing methods for discrete semiconductor devices (Continuous operation test of field effect transistor)
5543	C6059	withdrawn		Environmental testing methods and endurance testing methods for discrete semiconductor devices (Intermittent operation test of transistor)
5544	C6060	withdrawn		Environmental testing methods and endurance testing methods for discrete semiconductor devices (Intermittent operation test of field effect transistor)
5545	C6061	withdrawn		Environmental testing methods and endurance testing methods for discrete semiconductor devices (Reverse bias test of transistor under high temperature)
5546	C6062	withdrawn		Environmental testing methods and endurance testing methods for discrete semiconductor devices (Reverse bias test of field effect transistor under high temperature)
5547	C6063	withdrawn		Environmental testing methods and endurance testing methods for discrete semiconductor devices (Test of storage under high temperature)
5548	C6064	withdrawn		Test method for solvent resistance of applied marking materials
5550	C6065	1987-09		Method of Test for Thermistor
5554	C6066	withdrawn		Test standard for ceramic-based printed circuits
5555	C6067	1986-10		Method of Test for Phonograph Rumble
*	5751	C6068	withdrawn	Method of test for apparent density of ceramics for electron device and semiconductor application
	5753	C6069	withdrawn	Method of test for bulk density of germanium dioxide
	5754	C6070	withdrawn	Method of test for volatile content of germanium dioxide
	5755	C6071	withdrawn	Method of test for sag of tungsten wire
6117	C6072	withdrawn		Environmental testing methods and endurance testing methods for discrete semiconductor devices (Damp heat test)
6118	C6073	withdrawn		Environmental testing methods and endurance testing methods for discrete semiconductor devices (Test of storage under low temperature)
6119	C6074	withdrawn		Environmental testing methods and endurance testing methods for discrete semiconductor devices (Continuous operation test of rectifier diodes)

CNS no.	Category no.	Date of		Title
		Current edition		
6120	C6075	withdrawn		Environmental testing methods and endurance testing methods for discrete semiconductor devices (Continuous operation test of thyristors)
6121	C6076	withdrawn		Environmental testing methods and endurance testing methods for discrete semiconductor devices (Continuous applying voltage test of rectifier diodes)
6122	C6077	withdrawn		Environmental testing methods and endurance testing methods for discrete semiconductor devices (Continuous applying voltage test of thyristors)
6123	C6078	withdrawn		Environmental testing methods and endurance testing methods for discrete semiconductor devices (Intermittent applying voltage test of rectifier diodes)
6124	C6079	withdrawn		Environmental testing methods and endurance testing methods for discrete semiconductor devices (Intermittent applying voltage test of thyristors)
6125	C6080	withdrawn		Environmental testing methods and endurance testing methods for discrete semiconductor devices (High temperature for applying voltage test of rectifier diodes)
6126	C6081	withdrawn		Environmental testing methods and endurance testing methods for discrete semiconductor devices (High temperature for applying voltage test of thyristors)
6143	C6082	withdrawn		Loudspeakers, power rating, single voice coil
6146	C6083	1988-12		Method of Test for Electromechanical Switches (General Rules)
6147	C6084	1988-12		Method of Test for Electromechanical Switches (Switch Resistance)
6148	C6085	1988-12		Method of Test for Electromechanical Switches (Capacitance)
6149	C6086	1988-12		Method of Test for Electromechanical Switches (Strength of Mounting Means)
6150	C6087	1988-12		Method of Test for Electromechanical Switches (Terminal Temperature Rise)
6151	C6088	1988-12		Method of Test for Electromechanical Switches (Overload)
6152	C6089	1988-12		Method of Test for Electromechanical Switches (Electrical Endurance)
6153	C6090	1988-12		Method of Test for Electromechanical Switches (Mechanical Endurance)
6154	C6091	1988-12		Method of Test for Electromechanical Switches (High/Low Temperature Operation)
6155	C6092	1988-12		Method of Test for Electromechanical Switches (Actuator/Mounting Bushing Resistance)
6156	C6093	1988-12		Method of Test for Electromechanical Switches [Shock Test (Specified Pulse)]
6157	C6094	1988-12		Method of Test for Electromechanical Switches (Monitoring Contact Chatter)
6158	C6095	1988-12		Method of Test for Electromechanical Switches (Sand and Dust)
6316	C6096	withdrawn		Method of test for density of fine wire and ribbon for electronic devices
6663	C6097	withdrawn		Method of test for tensile properties of magnetic tape
6664	C6098	withdrawn		Method of test for magnetic tape electrical resistance coating
6799	C6099	withdrawn		Measurement of luminance signal levels (→ CNS 11446)
6800	C6100	withdrawn		Measurement of transistor noise figure at HF and VHF
6801	C6101	withdrawn		Standard for measurement of transistor noise figure at frequencies up to 20 KHz by sinusoidal signal-generator Method
6802	C6102	withdrawn		Standard test procedure for noise margin measurements for semiconductor logic gating microcircuits
6805	C6103	withdrawn		Varistor definitions and test methods
6899	C6104	1988-12		Unrecorded Magnetic Tapes for Instrumentation Applications-Physical Properties and Test Methods
7012	C6105	withdrawn		Method of test for the collector-base time constant and for the resistive part of the common-emitter input impedance

CNS no.	Category no.	Date of		Title
		Current edition		
7013	C6106	withdrawn		Measurement of small signal HF VHF, and UHF power gain of transistors
7228	C6107	withdrawn		Finish test of wooden cabinets for electronic equipments
7229	C6108	withdrawn		Test method for transistor noise figure measurements at medium frequencies
7230	C6109	withdrawn		Room temperature resistivity measurements on thermoelectric materials
7231	C6110	withdrawn		Techniques for switching impulse testing
7367	C6111	withdrawn		Method of test for D.C. resistance or conductance of insulating materials
7633	C6112	withdrawn		Method of test for surface flaws in tungsten seal rod and wire
7634	C6113	withdrawn		Method of test for complex dielectric constant of nonmetallic magnetic materials at microwave frequencies
7636	C6114	withdrawn		Method of test for saturation magnetization on saturation induction of nonmetallic magnetic materials
7637	C6115	withdrawn		Method of test for fiber optic devices (General rules)
7638	C6116	withdrawn		Method of test for fiber optic devices (Cable flexing for fiber optic connectors)
7639	C6117	withdrawn		Method of test for fiber optic devices humidity test procedure for fiber optic connecting devices
7640	C6118	withdrawn		Method of test for fiber optic devices (Cable retention test procedure for fiber optic cable interconnecting devices)
7641	C6119	withdrawn		Method of test for fiber optic devices (Test procedure for fiber optics bundle connector insertion loss)
7642	C6120	1987-04		Method of Test for Fiber Optic Devices (Air Leakage Testing of Fiber Optic Component Seals)
7643	C6121	1987-06		Method of Test for Fiber Optic Devices (FOTP-34 Interconnection Devices Insertion Loss)
7644	C6122	withdrawn		Sound systems
7645	C6123	withdrawn		Method of Acceptance Testing of Dynamic Loudspeakers
7646	C6124	withdrawn		Mounting Dimensions for Loudspeakers
7647	C6125	withdrawn		Loudspeakers, Power Rating, Full Range
7650	C6126	withdrawn		Flammability tests for electronic components
7657	C6127	1986-12		Method of Test for Low Frequency (Below 3 MHz) Electrical Connectors (TP - 7 Crimp Contact Deformation)
7658	C6128	1986-12		Method of Test for Low Frequency (Below 3 MHz) Electrical Connectors (TP - 8 Crimp Tensile Strength)
7659	C6129	1986-12		Method of Test for Low Frequency (Below 3 MHz) Electrical Connectors (TP - 20 with Standing Voltage Test)
7660	C6130	1986-12		Method of Test for Low Frequency (Below 3 MHz) Electrical Connectors (TP - 21 Insulation Resistance)
7661	C6131	1987-10		Method of Test for Low Frequency (Below 3 MHz) Electrical Connector (TP - 22 Life Test)
7662	C6132	withdrawn		Test procedure for low frequency (Below 3 MHz) electrical connectors (TP - 23 low level circuit test)
7663	C6133	1987-10		Method of Test for Low Frequency (Below 3 MHz) Electrical Connectors (TP - 24 Maintenance Aging Test)
7664	C6134	1987-10		Method of Test for Low Frequency (Below 3 MHz) Electrical Connectors (TP - 25 Probe Damage Test)
8104	C6135	withdrawn		Method for measuring MOSFET linear threshold voltage
8105	C6136	withdrawn		Test method for transistor collector - Emitter saturation voltage
8106	C6137	withdrawn		Method for measuring MOSFET saturated threshold voltage
8216	C6138	1986-09		Method of Test for Low Frequency (Below 3 MHz) Electrical Connectors (TP - 26 Salt Spray Corrosion Test)
8217	C6139	1986-09		Method of Test for Low Frequency (Below 3 MHz) Electrical Connectors (TP - 27 Mechanical Shock Specified Pulse)
8218	C6140	1986-09		Method of Test for Low Frequency (Below 3 MHz) Electrical Connectors (TP - 28 Vibration Test )

Date of			
CNS no.	Category no.	Current edition	Title
8219	C6141	1986-09	Method of Test for Low Frequency (Below 3 MHz) Electrical Connectors (TP - 29 Contact Retention Test )
8220	C6142	1986-09	Method of Test for Low Frequency (Below 3 MHz) Electrical Connectors (TP - 31 Humidity Test )
8221	C6143	1987-10	Method of Test for Low Frequency (Below 3 MHz) Electrical Connectors (TP - 32 Thermal Shock Test )
8222	C6144	1987-10	Method of Test for Low Frequency (Below 3 MHz) Electrical Connector (TP - 40 Crush Test)
8223	C6145	1987-10	Method of Test for Low Frequency (Below 3 MHz) Electrical Connector (TP - 41 Circular Jacket Cable Flexing Test)
8224	C6146	1987-07	Method of Test for Dry Reed Switches (General Rules)
8225	C6147	1987-07	Method of Test for Dry Reed Switches (Quality Control and Quality Assurance Provisions)
8226	C6148	1987-07	Method of Test for Dry Reed Switches (Visual and Mechanical Inspection)
8227	C6149	1987-07	Method of Test for Dry Reed Switches (Operation Parameters)
8228	C6150	1987-07	Method of Test for Dry Reed Switches (Dielectric)
8229	C6151	1987-07	Method of Test For Dry Reed Switches (Operate, Bounce, Release and Transfer (SPDT) Time)
8230	C6152	1987-07	Method of Test for Dry Reed Switches (Insulation Resistance)
8383	C6153	withdrawn	Forward transient measurement on semiconductor diodes
8477	C6154	withdrawn	Method of test for surface insulation resistivity of single - strip specimens
8478	C6155	withdrawn	Method of test for electrical contact noise in sliding electrical contacts
8479	C6156	withdrawn	Fixed film resistors – Precision and semiprecision
8659	C6157	withdrawn	Method of test for conductor – Resistance and resistivity of metallic resistance materials
8660	C6158	withdrawn	Method of test for electrical resistance-temperature characteristics of metallic resistance materials
8661	C6159	withdrawn	Method of test for thermo - electromotive force of metallic resistance materials
8667	C6160	1987-07	Method of Test for Dry Reed Switches (Internal Moisture)
8668	C6161	1987-07	Method of Test for Dry Reed Switches (Vibration)
8669	C6162	1987-07	Method of Test for Dry Reed Switches (Shock)
8670	C6163	1987-07	Method of Test for Dry Reed Switches (Seals)
8671	C6164	1987-07	Method of Test for Dry Reed Switches (Contact Stickiness)
8672	C6165	1987-07	Method of Test for Dry Reed Switches (Carry Current)
8805	C6166	withdrawn	Method of test for electronic self - balancing recorders for industrial use
8942	C6167	1992-12	Method of Test for Electronic Clocks (Quartz)
9228	C6168	1987-07	Method of Test for Dry Reed Switches (Capacitance)
9229	C6169	1987-07	Method of Test for Dry Reed Switches (Lead Finish and Terminal Strength)
9230	C6170	1987-07	Method of Test for Dry Reed Switches (Contact Life Testing)
9231	C6171	1987-07	Method of Test for Dry Reed Switches (Physical Dimensions)
9232	C6172	1987-07	Method of Test for Dry Reed Switches (Preparation for Delivery)
9233	C6173	1987-07	Method of Test for Dry Reed Switches (Detail Specification)
9234	C6174	1987-07	Method of Test for Dry Reed Switches (Standard Test Coils, Single Insulation 130 °C Wire)
9235	C6175	1987-07	Method of Test for Dry Reed Switches (Application Notes)
9236	C6176	1988-05	Method of Test for Low Frequency (Below 3 MHz) Electrical Connectors (TP - 2 Air Leakage)
9237	C6177	1988-05	Method of Test for Low Frequency (Below 3 MHz) Electrical Connectors (TP - 3 Altitude Immersion)
9238	C6178	1988-05	Method of Test for Low Frequency (Below 3 MHz) Electrical Connectors (TP- 9 Durability)
9239	C6179	withdrawn	Method of test for low frequency (Below 3 MHz) electrical

CNS no.	Category no.	Date of		Title
		Current edition		
				connectors (TP - 17 temperature life)
9240	C6180	1988-05		Method of Test for Low Frequency (Below 3 MHz) Electrical Connectors (TP - 18 Visual and Dimensional Inspection)
9241	C6181	withdrawn		Method of test for low frequency (Below 3 MHz) electrical connectors (TP - 37 contact separating force)
9242	C6182	1988-05		Method of Test for Low Frequency (Below 3 MHz) Electrical Connectors (TP - 42 Impact)
9243	C6183	1988-05		Method of Test for Low Frequency (Below 3 MHz) Electrical Connectors (TP - 43 Cable Clamping (Bending Moment))
9363	C6184	1988-04		Method of Test for Low Frequency (Below 3 MHz) Electrical Connectors (TP - 1 Acceleration)
9364	C6185	1988-04		Method of Test for Low Frequency (Below 3 MHz) Electrical Connectors (TP - 5 Contact Insertion , Release and Removal Forces)
9365	C6186	1988-04		Method of Test for Low Frequency (Below 3 MHz) Electrical Connectors (TP - 6 Contact Resistance)
9366	C6187	1988-04		Method of Test for Low Frequency (Below 3 MHz) Electrical Connectors (TP - 13 Mating and Unmating Forces)
9367	C6188	1988-04		Method of Test for Low Frequency (Below 3 MHz) Electrical Connectors (TP - 14 Ozone Exposure)
9368	C6189	withdrawn		Method of test for low frequency (Below 3 MHz) electrical connectors (TP - 34 classification)
9369	C6190	1988-04		Method of Test for Low Frequency (Below 3 MHz) Electrical Connectors (TP - 35 Proposed Insert Retention)
9370	C6191	withdrawn		Method of test for low frequency (Below 3 MHz) electrical connectors (TP - 38 cable pull out)
9371	C6192	1988-04		Method of Test for Low Frequency (Below 3 MHz) Electrical Connectors (TP - 39 Hydrostatic Test)
9584	C6193	withdrawn		Method of test for electrolytic capacitors for motor starting
9834	C6194	withdrawn		Method of test for reliability assured bi-directional triode thyristors (General rule)
9835	C6195	withdrawn		Method of test for reliability assured bi-directional triode thyristors (On voltage)
9836	C6196	withdrawn		Method of test for reliability assured bi-directional triode thyristors (Gate trigger voltage and current)
9837	C6197	withdrawn		Method of test for reliability assured bi-directional triode thyristors (Gate nontrigger voltage)
9838	C6198	withdrawn		Method of test for reliability assured bi-directional triode thyristors (Holding current)
9839	C6199	withdrawn		Method of test for reliability assured bi-directional triode thyristors (Rise rate of critical off voltage)
9840	C6200	withdrawn		Method of test for reliability assured bi-directional triode thyristors (Critical test for reverse current)
9841	C6201	withdrawn		Method of test for reliability assured bi-directional triode thyristors (Turn on time)
9842	C6202	withdrawn		Method of test for reliability assured bi-directional triode thyristors (Thermal resistance)
9843	C6203	withdrawn		Method of test for reliability assured bi-directional triode thyristors (Cut-off current and surge on current)
9844	C6204	withdrawn		Method of test for reliability assured bi-directional triode thyristors (Durability)
10329	C6205	1992-12		Method of Test for Main Part of Quartz Clocks
10555	C6206	withdrawn		Method of test for copper-clad laminates for printed circuits
10692	C6207	1994-08		Method of Test for Land Mobile Communication FM or PM Receivers, 25-947MHz (Introduction)
10693	C6208	1994-08		Method of Test for Land Mobile Communication FM or PM Receivers, 25-947MHz (Definition and Test Condition)
10694	C6209	1994-08		Method of Test for Land Mobile Communication FM or PM

CNS no.	Category no.	Date of		Title
		Current edition		
				Receivers, 25-947MHz (Characteristics of the Measuring Equipment and Reference )
10695	C6210	1994-08		Method of Test for Land Mobile Communication FM or PM Receivers, 25-947MHz (Audio Frequency Response, Harmonic Distortion Factor, Hum and Noise)
10696	C6211	1994-08		Method of Test for Land Mobile Communication FM or PM Receivers, 25-947MHz (Adjacent Channel, Spurious Response and Intermodulation Immunity)
10697	C6212	1994-08		Method of Test for Land Mobile Communication FM or PM Receivers, 25-947MHz (Radiated, Conducted Spurious Emission and Audio Squelch Sensitivity)
10698	C6213	1994-08		Method of Test for Land Mobile Communication FM or PM Receivers, 25-947MHz (Squelch Blocking, Receiver Attack and Closing Time)
10699	C6214	1994-08		Method of Test for Land Mobile Communication FM or PM Receivers, 25-947MHz (Audio Sensitivity, Temperature and High Humidity)
10700	C6215	1994-08		Method of Test for Land Mobile Communication FM or PM Receivers, 25-947MHz (Vibration, Shock and Power Supply Voltage Range)
10852	C6216	2000-10		Methods of test for printed wiring boards
10872	C6217	1987-06		Method of Test for Fiber Optic Devices (FOTP-2 Impact Test)
10873	C6218	withdrawn		Method of test for fiber optic devices (Temperature cycling, thermal shock)
10874	C6219	1987-09		Method of Test for Fiber Optic Devices ( FOTP-18 Acceleration )
10875	C6220	1987-06		Method of Test for Fiber Optic Devices ( FOTP-4 Temperature Life Test )
10876	C6221	withdrawn		Method of test for fiber optic devices (Vibration test)
10877	C6222	withdrawn		Method of test for fiber optic devices (Maintenance aging)
10878	C6223	withdrawn		Method of test for fiber optic devices (Impact testing of cable assemblies)
10924	C6224	withdrawn		Method of test for fiber optic devices (Tensile proof test)
10925	C6225	withdrawn		Method of test for fiber optic devices (Fluid immersion test)
10926	C6226	1987-06		Method of Test for Fiber Optic Devices (FOTP-27 Measuring Outside (Uncoated) Diameter of Optical Fibers)
10927	C6227	1987-06		Method of Test for Fiber Optic Devices (FOTP-28 Measuring Tensile Failure Point of Optical Fiber)
10928	C6228	withdrawn		Method of test for fiber optic devices (Refractive index profile transverse interference method)
10929	C6229	withdrawn		Method of test for fiber optic devices (Circuit discontinuities test)
10930	C6230	withdrawn		Method of test for fiber optic devices (Dust (Fine sand) test)
10931	C6231	withdrawn		Method of test for fiber optic devices (Cable wicking test)
10932	C6232	withdrawn		Method of test for fiber optic devices (Cable jacket shrinkage)
10933	C6233	withdrawn		Method of test for fiber optic devices (Cable jacket elongation and tensile strength)
11097	C6234	withdrawn		Method of test for headphones
11098	C6235	withdrawn		Method of test for electromechanical switches (Contact bounce)
11099	C6236	withdrawn		Method of test for electromechanical switches (Environmental effects of machine soldering)
11100	C6237	withdrawn		Method of test for electromechanical switches (Chromaticity)
11101	C6238	1986-12		Method of Test for Electromechanical Switches-Transmittancy (Luminance)
11102	C6239	withdrawn		Method of test for electromechanical switches (Logic (TTL) level endurance)
11103	C6240	withdrawn		Method of test for electromechanical switches (Low level endurance)
11183	C6241	withdrawn		Method of test for high frequency inductors and intermediate frequency transformers for electronic equipment

CNS no.	Category no.	Date of		Title
		Current edition		
11233	C6242	1992-12		Basic Environmental Testing Procedures Part 2: Tests, Test A: Cold
11234	C6243	1990-05		Basic Environmental Testing Procedures - Part 2 : Tests, Test Ea : Shock
11235	C6244	withdrawn		Storage (Low Temperature) Testing Method for Electronic Components
11236	C6245	1991-05		Basic Environmental Testing Procedures Part 2 : Tests, Test M : Low Air Pressure
11237	C6246	withdrawn		Sealing (Immersion cyclic) testing method for electronic components
11238	C6247	withdrawn		Testing Method of Resistance to Soldering Heat for Electronic Components
11239	C6248	withdrawn		Endurance (Electrical) testing method for electronic component
11240	C6249	withdrawn		Endurance (Mechanical) testing method for electronic components
11332	C6250	withdrawn		Method of test for fiber optic devices (Ambient light susceptibility)
11333	C6251	withdrawn		Method of test for fiber optic devices (Fiber optic cable fluid immersion test)
11334	C6252	1988-07		Method of Test for Fiber Optic Devices (FOTP-87 Fiber Optic Cable Knot Test)
11446-1	C6253-1	2000-03		Methods of measurement on receivers for television broadcast transmissions - Part1: General considerations - Measurements at radio and video frequencies
11446-2	C6253-2	2000-03		Methods of measurement on receivers for television broadcast transmissions - Part 2: Audio channels - General methods and methods for monophonic channels
11446-3	C6253-3	2000-03		Methods of measurement on receivers for television broadcast transmissions - Part 3 : Electrical measurement on multichannel sound television receivers using subcarrier systems
11446-4	C6253-4	2000-03		Methods of measurement on receivers for television broadcast transmissions - Part 4: Electrical measurements on multichannel sound television receivers using the two-carrier FM-system
11446-5	C6253-5	2000-03		Methods of measurements on receivers for television broadcasting transmissions - Part 5 : Electrical measurements on multichannel sound television receivers using the NICAM two-channel digital
11446-6	C6253-6	2000-03		Methods of measurement on receivers for television broadcast transmissions - Part 6: Measurement under conditions different from broadcast signal standards
11571	C6254	1986-05		Method of Test for Low Frequency (Below 3MHz) Electrical Connectors (TP-44 Corona Test)
11572	C6255	1986-05		Method of Test for Low Frequency (Below 3MHz) Electrical Connectors (TP-46 Continuity Test)
11573	C6256	1986-05		Method of Test for Low Frequency (Below 3MHz) Electrical Connectors (TP-50 Sand and Dust Test)
11574	C6257	1986-05		Method of Test for Low Frequency (Below 3MHz) Electrical Connectors (TP-51 Ice Resistance of Mated Connectors Test)
11575	C6258	1986-05		Method of Test for Low Frequency (Below 3MHz) Electrical Connectors (TP-55 Current Cycling Test)
11703	C6259	1986-09		Method of Test for Fiber Optic Devices (FOTP-14 Shock Test, Specified Pulse)
11704	C6260	withdrawn		Method of test for fiber optic devices (FOTP-15 altitude immersion test)
11705	C6261	1986-09		Method of Test for Fiber Devices (FOTP-20 Change of Optical Transmittance)
11706	C6262	1986-09		Method of Test for Fiber Optic Devices (FOTP-47 Output Far-Field Radiation Pattern Measurement)
11707	C6263	1986-09		Method of Test for Fiber Optic Devices (FOTP-51 Pulse Distortion Measurement of Multimode Glass Optical Fiber Information Transmission Capacity)
11708	C6264	1994-08		Method of Test for Land Mobile Communication FM or PM Transmitters, 25-470MHz

CNS no.	Category no.	Date of		Title
		Current edition		
11709	C6265	1994-08		Method of Test for Portable/Personal Radio Transmitters, Receivers, and Transmitter/Receiver Combination Land Mobile Communications FM or PM Equipment, 25-1000MHz
11715	C6266	1986-10		Method of Test for Compact Disc Players
11716	C6267	1986-10		Method of Test for Cassette Recorders
11717	C6268	1986-10		Method of Test of Cassette Players for Automobile Use
11765	C6269	1991-12		Method of Test for Magnetic Sound Recording Tapes
11781	C6270	withdrawn		Method of test for amplitude modulation broadcast receivers (→ CNS 14492-3)
11782	C6271	withdrawn		Method of test for frequency modulation broadcast receivers (→ CNS 14492-4)
11783	C6272	withdrawn		Method of test for electromagnetic interference of frequency modulation broadcast receivers
11785	C6273	1997-03		Method of test for monitor
11812	C6274	1987-01		Method of Test for Amplifiers
11787	C6275	1986-12		Method of Test for Fiber Optic Devices (FOTP-26 Crush Resistance of Fiber Optic Cable Interconnecting Devices)
11788	C6276	1986-12		Method of Test for Fiber Optic Devices (FOTP-37 Cable Bend Test Low and High Temperature)
11789	C6277	1986-12		Method of Test for Fiber Optic Devices (FOTP-46 Spectral Attenuation Measurement for Long-Length, Graded-Index Optical Fibers)
11830	C6278	1987-02		Measuring Methods for Light Emitting Diodes (for Indication)
11878	C6279	1987-03		Method of Test for R.F Booster
11902	C6280	1987-04		Method of Test for Fiber Optic Devices (FOTP-52 Temperature Dependence of Attenuation for Optical Fibers)
11903	C6281	withdrawn		Method of test for fiber optic devices (Evaluating fungus resistance of optical fibers)
11904	C6282	1987-04		Method of Test for Fiber Optic Devices (FOTP-81 Compound Flow (Drip) Test for Filled Fiber Optic Cable)
11905	C6283	1987-04		Method of Test for Fiber Optic Devices (FOTP-83 Cable to Interconnecting Device Axial Compressive Loading)
11906	C6284	1987-04		Method of Test for Fiber Optic Devices (FOTP-84 Jacket Self-Adhesion (Blocking) Test for Fiber Optic Cable)
11907	C6285	1987-04		Method of Test for Fiber Optic Devices (FOTP-99 Gas Flame Test for Special Purpose Fiber Optic Cable)
11992	C6286	1987-06		Method of Test for Fiber Optic Devices (FOTP-42 Optical Crosstalk in Fiber Optic Components)
11993	C6287	1987-06		Method of Test for Fiber Optic Devices (FOTP-50 Light-Launch Conditions for Long Length Graded-Index Optical Fiber Spectral Attenuation Measurements)
12007	C6288	1987-07		Method of Test for Helical Scanning Video Tape Recorders
12008	C6289	withdrawn		Method of Test for Electromagnetic Interference of Color (Monochrome) Television Broadcast Transmissions
12047	C6293	withdrawn		Method of test for calculator (→ CNS 14336)
12079	C6294	1987-09		Method of Test for Digital Voltmeters
12081	C6295	1987-09		Method of Test for Fiber Optic Devices (FOTP-13 Visual and Mechanical Inspection of Fibers,Cables,Connectors and Other Fiber Optic Devices)
12082	C6296	1987-09		Method of Test for Fiber Optic Devices (FOTP-30 Frequency Domain Measurement of Multimode Optical Fiber Information Transmission Capacity)
12083	C6297	1987-09		Method of Test for Fiber Optic Devices (FOTP-33 Fiber Optic Cable Tensile Loading and Bending Test)
12084	C6298	1987-09		Method of Test for Fiber Optic Devices (FOTP-36 Twist Test for Fiber Optic Cable Assemblies)
12085	C6299	1987-09		Method of Test for Fiber Optic Devices (FOTP-54 Mode Scrambler Launch Requirements for Information Transmission Capacity)



CNS no.	Category no.	Date of		Title
		Current edition		
				Measurements)
12086	C6300	1987-09		Method of Test for Fiber Optic Devices (FOTP-55 Method for Measuring the Coating Geometry of Optical Fibers)
12087	C6301	1987-09		Method of Test for Fiber Optic Devices (FOTP-82 Fluid Penetration Test for Filled Fiber Optic Cable)
12119	C6302	1987-10		Method of Test for Packaging and Appearance of Audio Product
12120	C6303	1987-10		Method of Test for Reliability of Household Audio Product
12121	C6304	1987-10		Method of Test for Reliability of Video Product
12122	C6305	1987-10		Method of Test on Communication Receivers for Amplitude-Modulation Transmissions
12170	C6306	1987-12		Method of Test for Fiber Optic Devices (FOTP-16 Salt Spray Corrosion Test)
12171	C6307	1987-12		Method of Test for Fiber Optic Devices (FOTP-22 Ambient Light Susceptibility)
12297	C6308	1988-05		Method of Test for Low Frequency (Below 3 MHz) Electrical Connectors (TP-15 Contact Strength)
12298	C6309	1988-05		Method of Test for Low Frequency (Below 3 MHz) Electrical Connectors (TP-53 Nitric Acid Vapor Test, Gold Finish)
12358	C6311	1988-07		Method of Test for Fiber Optic Devices (FOTP-63 Torsion Test)
12359	C6312	1988-07		Method of Test for Fiber Optic Devices ( FOTP-66 Measuring Relative Abrasion Resistance of Optical Waveguide Coating and Buffers)
12360	C6313	1988-07		Method of Test for Fiber Optic Devices ( FOTP-75 Fluid Immersion Test)
12361	C6314	1988-07		Method of Test for Fiber Optic Devices ( FOTP-85 Fiber Optic Cable Twist Test)
12362	C6315	1988-07		Method of Test for Fiber Optic Devices ( FOTP 91 Fiber Optic Cable Twist- Bend Test)
12363	C6316	withdrawn		Method of test for fiber optic devices (FOTP-95 optical fibers and cables absolute optical power test)
12364	C6317	1988-07		Method of Test for Fiber Optic Devices ( FOTP-98 Fiber Optic Cable External Freezing Test)
12366	C6318	1988-07		Method of Test for Fiber Optic Devices ( FOTP- 41 Compressive Loading Resistance of Fiber Optic Cable)
12367	C6319	1988-07		Method of Test for Fiber Optic Devices ( FOTP-43 Output Near-Field Radiation Pattern Measurement)
12368	C6320	1988-07		Method of Test for Fiber Optic Devices ( FOTP-44 Refractive Index Profile, Refracted Ray Method)
12369	C6321	1988-07		Method of Test for Fiber Optic Devices ( FOTP-45 Microscopic Method for Measuring Fiber Geometry)
12370	C6322	1988-07		Method of Test for Fiber Optic Devices ( FOTP-48 On-Line Diameter Measurement)
12371	C6323	1988-07		Method of Test for Fiber Optic Devices ( FOTP-49 Nuclear Radiation Effects in Fiber Optic Components Measurement)
12372	C6324	1988-07		Method of Test for Fiber Optic Devices ( FOTP-53 Attenuation by Substitution Measurement for Multimode Graded-Index Optical Fibers or Fiber Assemblies Used in Long Length Communications System)
12373	C6325	1988-07		Method of Test for Fiber Optic Devices ( FOTP-58 Core Diameter Measurement of Graded-Index Optical Fibers )
*	12473	C6326	1988-12	Method of Test for TV Game
	12507	C6327	1989-04	Measuring Methods for Liquid Crystal Display Panels
	12559	C6328	1989-07	Method of Test for Fiber Optic Devices (FOTP-94 Fiber Optic Cable Stuffing Tube Compression)
	12560	C6329	1989-07	Method of Test for Fiber Optic Devices (FOTP-100 Gas Leakage Test for Gas-Blocked Fiber Optic Cables)
	12561	C6330	1989-07	Method of Test for Fiber Optic Devices (FOTP-101 Accelerated Oxygen Aging)
	12562	C6331	1989-07	Method of Test for Fiber Optic Devices (FOTP-103 Buffered Fiber

CNS no.	Category no.	Date of		Title
		Current edition		
				Bend Test)
12563	C6332	1989-07		Method of Test for Fiber Optic Devices (FOTP-169 Chromatic Dispersion Measurement of Optical Fibers by the Phase-Shift Method )
12564	C6333	1989-07		Method of Test for Fiber Optic Devices (FOTP-172 Flame Resistance of Firewall Connector)
12565	C6334	1989-07		Basic Environmental Testing Procedures Part 2 : Tests, Test Db : Damp Heat, Cycle (12+12-Hour Cycle)
12566	C6335	1993-12		Basic Environmental Testing Procedures Part 2: Tests, Test Z/AD:Composite Temperature/Humidity Cyclic Test
12715	C6336	1990-05		Basic Environmental Testing Procedures - Part 2 : Tests, Test Eb : Bump
12716	C6337	1990-05		Basic Environmental Testing Procedures - Part 2 : Tests, Mounting of Components,Equipment and Articles for Dynamic,Tests Including Shock (EA) ,Bump ( Eb ), Vibration ( Fc and Fd ) and Steady - State
12817	C6338	1990-12		Basic Environmental Testing Procedures Part 2 : Tests, Test XA and Guidance : Immersion in Cleaning Solvents
12865-1	C6339-1	1991-05		Method of Test for Digital Microelectronics ( High Level Output Voltage )
12865-2	C6339-2	1991-05		Method of Test for Digital Microelectronics ( Low Level Output Voltage )
12865-3	C6339-3	1991-05		Method of Test for Digital Microelectronics ( Low Level Input Current )
12865-4	C6339-4	1991-05		Method of Test for Digital Microelectronics ( High Level Input Current )
12865-5	C6339-5	1991-05		Method of Test for Digital Microelectronics ( Output Short Circuit Current )
12865-6	C6339-6	1991-05		Method of Test for Digital Microelectronics ( Terminal Capacitance )
12865-7	C6339-7	1991-05		Method of Test for Digital Microelectronics ( Drive Source, Dynamic )
12865-8	C6339-8	1991-05		Method of Test for Digital Microelectronics ( Load Condition )
12865-9	C6339-9	1991-05		Method of Test for Digital Microelectronics ( Delay Measurements )
12865-10	C6339-10	1992-11		Method of Test for Digital Microelectronics (Functional Testing)
12865-11	C6339-11	2005-07		Noise margin measurements for digital microelectronic devices
12866	C6340	1991-05		Basic Environmental Testing Procedures Part 2 : Tests-Test Z/AM : Combined Cold/Low Air Pressure Tests
12867	C6341	1991-05		Basic Environmental Testing Procedures Part 2 : Tests-Test Z/AM : Combined Dry Heat/Low Air Pressure Tests
12874	C6342	1995-11		Basic Environmental Testing Procedures Part 2:Tests,Test Kb:Salt Mist,Cyclic(Sodium Chloride Solution)
12919	C6343	withdrawn		Method of test for reliability of computer and peripheral equipment ( →C N S 1 4 3 3 6 )
12920	C6344	withdrawn		Method of test for floppy disk drive ( →C N S 1 4 3 3 6 )
12921	C6345	withdrawn		Method of test for hard disk drive ( →C N S 1 4 3 3 6 )
13059-1	C6346-1	withdrawn		Photovoltaic devices – Part 1: measurement of photovoltaic current-voltage characteristics
13059-2	C6346-2	2002-12		Photovoltaic devices Part2:Requirements for reference solar cells
13059-3	C6346-3	1992-11		Photovoltaic Devices Part 3: Measurement Principles for Terrestrial Photovoltaic (PV) Solar Devices With Reference Spectral Irradiance Data
13059-4	C6346-4	2012-11		Photovoltaic devices - Part 4: Reference solar devices - Procedures for establishing calibration traceability
13059-5	C6346-5	2013-11		Photovoltaic devices - Part 5: Determination of the equivalent cell temperature (ECT) of photovoltaic (PV) devices by the open-circuit voltage method
13059-6	C6346-6	2002-12		Photovoltaic devices Par6:Requirements for reference solar modules
13059-7	C6346-7	2012-11		Photovoltaic devices - Part 7: Computation of the spectral mismatch correction for measurements of photovoltaic devices

		Date of		
CNS no.	Category no.	Current edition	Title	
13059-8	C6346-8	2016-10	Photovoltaic devices - Part 8: Measurement of spectral responsivity of a photovoltaic (PV) device	
13059-9	C6346-9	2002-12	Photovoltaic devices Part9: Solar simulator performance requirements	
13059-10	C6346-10	2013-11	Photovoltaic devices - Part 10: Methods of linearity measurement	
13086	C6347	1992-12	Basic Environmental Testing procedures Part 2: Test Td: Solderability, Resistance to Dissolution of Metallization and to Soldering Heat of Surface Mounting Devices (SMD)	
13088	C6348	1992-12	Measuring Method for Light Emitting Diode Big Lamps (for Outdoor Display)	
13089	C6349	1992-12	Method of Endurance Test for Light Emitting Diode Big Lamps (for Outdoor Display) - Burn-in Test (Forward Bias)	
13090	C6350	1992-12	Method of Endurance Test for Light Emitting Diode Big Lamps (for Outdoor Display) - Continuous Applying Current Test	
13092	C6351	1992-12	Measuring Method for LED Outdoor Display Panels	
13093	C6352	1992-12	Method of Test for Reliability of LED Outdoor Display Panels	
13214	C6353	1993-06	Basic Environmental Testing Procedures, Part 2: Tests - Ec :Drop and Topple, Primarily for Equipment - type Specimens	
13215	C6354	1993-06	Basic Environmental Testing Procedures, Part 2: Tests - Test - Ed: Free Fall	
13288	C6355	1993-12	Basic Environmental Testing Procedures Part 2: Tests - Guidance on Change of Temperature Tests	
13305	C6356	withdrawn	Measurement Method for Radio Frequency Interference (→ C N S 1 3 3 0 6 - 2 )	
*	13438	C6357	2006-06	Information technology equipment - Radio disturbance characteristics - Limits and methods of measurement
*	13439	C6358	2004-09	Sound and television broadcast receivers and associated equipment - Radio disturbance characteristics - Limits and methods of measurement
13623	C6359	1995-12	Test Methods for Measuring Resistivity, Hall Coefficient and Determining Hall Mobility in Single-Crystal Semiconductors (Van Der Pauw Method)	
13624	C6360	1995-12	Test Method for Crystallographic Perfection of Gallium Arsenide by Molten Potassium Hydroxide (KOH)Etch Technique	
13648	C6361	1996-04	Measuring Methods for Laser Diode (for Communication)	
13649	C6362	1996-04	Reliability Testing for Laser Diode (for Communication)	
13650	C6363	1996-04	Lot-Control Testing for Laser Diode (for Communication)	
13651	C6364	1996-04	Measuring Methods for Light Emitting Diode (for Communication)	
13652	C6365	1996-04	Reliability Testing for Light Emitting Diode (for Communication)	
13653	C6366	1996-04	Lot-Control Testing for Light Emitting Diode (for Communication)	
13654	C6367	1996-04	Measuring Methods for Photodiode (for Communication)	
13655	C6368	1996-04	Reliability Testing for Photodiode (for Communication)	
13656	C6369	1996-04	Lot-Control Testing for Photodiode (for Communication)	
13724	C6370	1996-07	Method of Test for Pull Strength of Microelectronic Wire Bonds	
13725	C6371	1996-07	Method of Nondestructive Test for Microelectronic Wire Bonds	
13726	C6372	1996-07	Method of Test for Shear Strength of Die Bond	
13727	C6373	1996-07	Method of Test for Volume Resistivity of Conductive Adhesives	
13779	C6374	1996-10	Measuring Methods for Infrared Emitting Diodes (IRED) (for Automation)	
13780	C6375	1996-10	Endurance Testing Methods for Infrared Emitting Diodes (for Automation)-Continuously Applying Voltage Test	
13781	C6376	1996-10	Endurance Testing Methods for Infrared Emitting Diodes (for Automation)-Burn-In Test (Forward Bias)	
13783-1	C6377-1	2013-10	Electromagnetic compatibility - Requirements for household appliances, electric tools and similar apparatus - Part 1: Emission	
13783-2	C6377-2	2013-09	Electromagnetic compatibility - Requirements for household appliances, electric tools and similar apparatus - Part 2: Immunity - Product family	

CNS no.	Category no.	Date of		Title
		Current edition		
13790	C6378	1996-12		Measuring Methods of Fiber Optical Branching Components for Communication
13791	C6379	1996-12		Measuring Methods of Optical Attenuator for Communication
13792	C6380	1996-12		Measuring Methods of Optical Polarizer for Communication
13793	C6381	1996-12		Measuring Methods of Optical Isolators for Communication
13794	C6382	1996-12		Measuring Methods of Optical Filter for Communication
*	13803	C6383	2018-08	Industrial, scientific and medical equipment – Radio-frequency disturbance characteristics – Limits and methods of measurement
*	13804	C6384	1997-02	Guidance on the use of the substitution method for measurements of radiation from microwave ovens for frequencies above 1 GHz
13805	C6385	1997-02		Method of measurement for photoluminescence of optoelectronic semiconductor wafers
13806	C6386	1997-02		Method of measurement for emission wavelength and luminous intensity of epitaxial wafers of light emitting diodes
13807	C6387	1997-02		Methods of test of epoxy for light emitting diodes
14111	C6388	1998-02		Methods of measurement for optical polarization controller
14112	C6389	1998-02		Methods of measurement for optical variable polarization beam splitter
14113	C6390	1998-02		Reliability tests for passive devices (for fiber optical communication)
14114	C6391	1998-02		Lot-control tests for passive devices (for fiber optical communication)
14115	C6392	2016-09		Limits and methods of measurement of radio disturbance characteristics of electrical lighting and similar equipment
14139	C6393	1998-06		Measurement methods for the performance of transmitter and receiver modules used for wireless infrared communication
14140	C6394	1998-06		Reliability and lot control tests for transmitter and receiver modules used for wireless infrared communication
14178	C6395	1998-08		Measurement methods for the performance of digital transmitter and receiver modules used for optical fiber communication
14179	C6396	1998-08		Reliability tests for digital transmitter and receiver modules used for optical fiber communication
14180	C6397	1998-08		Lot-control tests for digital transmitter and receiver modules used for optical fiber communication
14181	C6398	1998-08		Measurement methods for the performance of analog video laser transmitter and receiver modules used for optical fiber communication
14182	C6399	1998-08		Reliability and lot control tests for analog video laser transmitter and receiver modules used for optical fiber communication
*	14409	C6400	2006-06	Sound and television broadcast receivers and associated equipment - Immunity characteristics - Limits and methods of measurement
14434	C6401	2008-07		Vehicles, boats, and internal combustion engine driven devices - Radio disturbance characteristics - Limits and methods of measurement for the protection of receivers except those installed in
14492-1	C6402-1	2000-11		Methods of measurement on radio receivers for various classes of emission - Part 1: General considerations and methods of measurement, including audio-frequency measurements
14492-3	C6402-3	2000-11		Methods of measurement on radio receivers for various classes of emission - Part 3: Receivers for amplitude-modulated sound-broadcasting emissions
14492-4	C6402-4	2000-11		Methods of measurement on radio receivers for various classes of emission - Part 4: Receivers for frequency-modulated sound broadcasting emissions
14492-6	C6402-6	2002-05		Methods of measurement on radio receivers for various classes of emission - Part 6: General purpose communication receivers
14492-9	C6402-9	2002-05		Methods of measurement on radio receivers for various classes of emission - Part 9: Measurement of the characteristics relevant to radio data system (RDS) reception
14498	C6403	2001-01		Road vehicle - Electrical disturbance by conduction and coupling - Part 0: Definitions and general

CNS no.	Category no.	Date of		Title
		Current edition		
14498-1	C6403-1	2009-07		Road vehicles - Electrical disturbances from conduction and coupling - Part 1 : Definitions and general consideration
14498-2	C6403-2	2009-07		Road vehicles - Electrical disturbances from conduction and coupling - Part 2: Electrical transient conduction along supply lines only
14498-3	C6403-3	2010-09		Road vehicles - Electrical disturbances from conduction and coupling - Part 3: Electrical transient transmission by capacitive and inductive coupling via lines other than supply lines
14499	C6404	2013-10		Road vehicles - Test methods for electrical disturbances from electrostatic discharge
14500	C6405	2013-09		Vehicles, boats and internal combustion engines - Radio disturbance characteristics - Limits and methods of measurement for the protection of on-board receivers
14547	C6406	withdrawn		Functions and properties testing for LED road vehicle traffic control signal light modules (→CNS 14546)
14548	C6407	withdrawn		Method of reliability test for LED road vehicle traffic control signal light modules (→CNS14546)
14550	C6408	withdrawn		Functions and properties testing for LED road lane control signal light modules (→CNS14546)
14551	C6409	withdrawn		Method of reliability test for LED road lane control signal light modules (→CNS 14546)
14553	C6410	withdrawn		Functions and properties testing for LED pedestrian signal light modules (→CNS 14546)
14554	C6411	withdrawn		Method of reliability test for LED pedestrian signal light modules (→CNS 14546)
14556	C6412	2001-06		Functions and properties testing for road traffic LED display panel
14557	C6413	2001-06		Method of reliability test for road traffic LED display panel
14653	C6414	2002-07		Acoustics - Determination of sound power levels of noise sources - Guidelines for the use of basic standards
14654	C6415	2002-07		Acoustics - Determination of sound power levels of noise sources using sound pressure - Precision methods for reverberation rooms
14655-1	C6416-1	2002-07		Acoustics - Determination of sound power levels of noise sources - Engineering methods for small, movable sources in reverberant fields - Part1: Comparison method for hard - walled test rooms
14655-2	C6416-2	2002-07		Acoustics - Determination of sound power levels of noise sources using sound pressure - Engineering methods for small, movable sources in reverberant fields - Part2: Method for special
14656	C6417	2002-07		Acoustics – Determination of sound power levels of noise sources using sound pressure – Engineering method in an essentially free field over a reflecting plane
14657	C6418	2002-07		Acoustics - Determination of sound power levels of noise sources - Precision methods for anechoic and semi-anechoic rooms
14658	C6419	2002-07		Acoustics - Determination of sound power levels of noise sources using sound pressure - Survey method using an enveloping measurement surface over a reflecting plane
14659	C6420	2002-07		Acoustics - Determination of sound power levels of noise sources using sound pressure - Comparison method in situ
14660-1	C6421-1	2002-07		Acoustics – Determination of sound power levels of noise sources using sound intensity – Part 1: Measurement at discrete points
14660-2	C6421-2	2002-07		Acoustics – Determination of sound power levels of noise source using sound intensity – Part 2: Measurement by scanning
14672	C6422	2002-09		Methods of measurement of the suppression characteristics of passive radio interference filters and suppression components
14675	C6423	2002-09		Information technology equipment - Immunity characteristics - Limits and methods of measurement
14676-1	C6424-1	2022-04		Electromagnetic compatibility (EMC) – Testing and measurement techniques – Part1: Overview
14676-2	C6424-2	2019-09		Electromagnetic compatibility (EMC) – Testing and measurement

CNS no.	Category no.	Date of		Title
		Current edition		
14676-3	C6424-3	2019-12		techniques – Part 2: Electrostatic discharge immunity test Electromagnetic compatibility (EMC) – Testing and measurement techniques – Part 3: Radiated, radio-frequency, electromagnetic field immunity test
14676-4	C6424-4	2019-12		Electromagnetic compatibility (EMC) – Testing and measurement techniques – Part 4: Electrical fast transient/burst immunity test
14676-5	C6424-5	2019-12		Electromagnetic compatibility (EMC) – Testing and measurement techniques – Part 5: Surge immunity test
14676-6	C6424-6	2023-01		Electromagnetic compatibility (EMC) – Part 6: Testing and measurement techniques – Immunity to conducted disturbances, induced by radio-frequency fields
14676-8	C6424-8	2023-01		Electromagnetic compatibility (EMC) – Testing and measurement techniques – Part 8: Power frequency magnetic field immunity test
14676-9	C6424-9	2023-01		Electromagnetic compatibility (EMC) – Testing and measurement techniques – Part 9: Impulse magnetic field immunity test
14676-10	C6424-10	2004-09		Electromagnetic compatibility (EMC) - Testing and measurement techniques - Part 10: Damped oscillatory magnetic field immunity test
14858	C6425	2004-09		Test method on electromagnetic emissions from electronic ballasts for single- and double-capped fluorescent lamps
14935	C6426	2005-07		Measurement of amplifier power gain and noise figure
* 14958-1	C6427-1	2005-12		Human exposure to radio frequency fields from hand-held and body-mounted wireless communication devices - Human models, instrumentation, and procedures - Part 1: Procedure to determine the Limits for exposing to time-varying electric, magnetic and electromagnetic fields (up to 300 GHz)
14959	C6428	2005-12		Limits for exposing to time-varying electric, magnetic and electromagnetic fields (up to 300 GHz)
14973	C6429	2006-02		General methods of measurement for digital television receivers
15114	C6430	2007-09		Crystalline silicon terrestrial photovoltaic (PV) modules - Design qualification and type approval
15115	C6431	2012-01		Thin-film terrestrial photovoltaic (PV) modules – Design qualification and type approval
15116	C6432	2007-09		UV test for photovoltaic (PV) modules
15117	C6433	2014-04		Photovoltaic systems - Power conditioners - Procedure for measuring efficiency
15118-1	C6434-1	2018-12		Photovoltaic (PV) module safety qualification - Part 1 : Requirements for construction
15118-2	C6434-2	2018-11		Photovoltaic (PV) module safety qualification – Part 2 : Requirements for testing
15119	C6435	2007-09		Photovoltaic system performance monitoring - Guidelines for measurement, data exchange and analysis
15120	C6436	2014-04		Secondary cells and batteries for photovoltaic energy systems (PVES) - General requirements and methods of test
15194-1	C6437-1	2013-10		Road vehicles - Vehicle test methods for electrical disturbances from narrowband radiated electromagnetic energy - Part 1 : General principles and terminology
15194-2	C6437-2	2008-06		Road vehicles - Vehicle test methods for electrical disturbances from narrowband radiated electromagnetic energy - Part 2 : Off-vehicle radiation sources
15194-3	C6437-3	2010-09		Road vehicles - Electrical disturbances by narrowband radiated electromagnetic energy - Vehicle test methods - Part 3: On-board transmitter simulation
15194-4	C6437-4	2008-06		Road vehicles - Component test methods for electrical disturbances from narrowband radiated electromagnetic energy - Part 4 : Bulk current injection (BCI)
15195	C6438	2015-10		Photovoltaic (PV) stand-alone systems – Design verification
15196	C6439	2014-06		Salt mist corrosion testing of photovoltaic (PV) modules
15197	C6440	withdrawn		Susceptibility of a photovoltaic (PV) module to accidental impact damage (Resistance to impact test)
15198	C6441	2019-10		Photovoltaic (PV) array – On-site measurement of current-voltage

CNS no.	Category no.	Date of		Title
		Current edition		
15199	C6442	2008-06		characteristics Electrical Installation of buildings - Part 7-712 : Requirements for special installations or locations - Solar photovoltaic (PV) power supply systems
15207-1	C6443-1	2013-10		Road vehicles - Component test methods for electrical disturbances from narrowband radiated electromagnetic energy - Part 1 : General principles and terminology
15207-2	C6443-2	2008-09		Road vehicles - Component test methods for electrical disturbances from narrowband radiated electromagnetic energy - Part 2: Absorber-lined shielded enclosure
15207-3	C6443-3	2008-09		Road vehicles - Component test methods for electrical disturbances from narrowband radiated electromagnetic energy - Part 3: Transverse electromagnetic (TEM) cell
15207-4	C6443-4	2008-09		Road vehicles - Component test methods for electrical disturbances from narrowband radiated electromagnetic energy - Part 4: Bulk current injection (BCI)
15207-5	C6443-5	2008-09		Road vehicles - Component test methods for electrical disturbances from narrowband radiated electromagnetic energy - Part 5: Stripline
15207-7	C6443-7	2008-09		Road vehicles - Component test methods for electrical disturbances from narrowband radiated electromagnetic energy - Part 7: Direct radio frequency (RF) power injection
15207-8	C6443-8	2013-10		Road vehicles - Component test methods for electrical disturbances from narrowband radiated electromagnetic energy - Part 8: Immunity to magnetic fields
15207-10	C6443-10	2012-10		Road vehicles - Component test methods for electrical disturbances from narrowband radiated electromagnetic energy - Part 10: Immunity to conducted disturbances in the extended audio
15381	C6444	2010-09		Overvoltage protection for photovoltaic (PV) power generating system - Guide
*	15382	C6445	2018-01	Photovoltaic (PV) systems – Characteristics of the utility interface
	15383	C6446	2010-09	Analytical expression for daily solar profiles
	15384	C6447	2010-09	Rating of direct coupled photovoltaic (PV) pumping system
	15385	C6448	2010-09	Characteristic parameters of stand-alone photovoltaic (PV) systems
	15386-5-2	C6449-5-2	2010-09	Electromagnetic compatibility (EMC) – part 5: Installation and mitigation guidelines – Section 2: Earthing and cabling
	15426-1	C6450-1	2011-06	Safety of power converters for use in photovoltaic power systems – Part 1: General requirements
	15426-2	C6450-2	2013-02	Safety of power converters for use in photovoltaic power systems - Part 2: Particular requirements for inverters
	15534	C6451	2012-02	Concentrator photovoltaic (CPV) modules and assemblies - Design qualification and type approval
	15599	C6452	2016-10	Utility-interconnected photovoltaic inverters - Test procedure of islanding prevention measures
	15600	C6453	2012-11	Photovoltaic devices - Procedures for temperature and irradiance corrections to measured I-V characteristics
	15662	C6454	withdrawn	Methods of measurement for the power consumption of audio, video and related equipment (Replaced by CNS 62087 series)
	15711-1	C6455-1	2013-12	Photovoltaic (PV) module performance testing and energy rating - Part 1: Irradiance and temperature performance measurements and power rating
	15711-2	C6455-2	2019-09	Photovoltaic (PV) module performance testing and energy rating – Part 2: Spectral responsivity, incidence angle and module operating temperature measurements
	15748-1	C6456-1	2014-09	Integrated circuits - Measurement of electromagnetic emissions, 150 kHz to 1 GHz - Part 1: General conditions and definitions
	15748-2	C6456-2	2014-09	Integrated circuits - Measurement of electromagnetic emissions, 150 kHz to 1 GHz - Part 2: Measurement of radiated emissions - TEM cell and wideband TEM cell method

CNS no.	Category no.	Date of		Title
		Current edition		
15748-3	C6456-3	2014-09		Integrated circuits - Measurement of electromagnetic emissions, 150 kHz to 1 GHz - Part 3: Measurement of radiated emissions - Surface scan method
15748-4	C6456-4	2014-09		Integrated circuits - Measurement of electromagnetic emissions, 150 kHz to 1 GHz - Part 4: Measurement of conducted emissions - 1 $\Omega$ /150 $\Omega$ direct coupling method
15748-5	C6456-5	2014-09		Integrated circuits - Measurement of electromagnetic emissions, 150 kHz to 1 GHz - Part 5: Measurement of conducted emissions - Workbench Faraday Cage method
15748-6	C6456-6	2015-04		Integrated circuits - Measurement of electromagnetic emissions, 150 kHz to 1 GHz - Part 6: Measurement of conducted emissions - Magnetic probe method
15811-1	C6457-1	2015-05		Integrated circuits - Measurement of electromagnetic immunity - 150 kHz to 1 GHz - Part 1: General conditions and definitions
15811-2	C6457-2	2015-10		Integrated circuits – Measurement of electromagnetic immunity – 150 kHz to 1 GHz – Part 2: Measurement of radiated immunity – TEM cell and wideband TEM cell method
15811-3	C6457-3	2015-10		Integrated circuits – Measurement of electromagnetic immunity – 150 kHz to 1 GHz – Part 3: Bulk current injection (BCI) method
15811-4	C6457-4	2015-10		Integrated circuits – Measurement of electromagnetic immunity – 150 kHz to 1 GHz – Part 4: Direct RF power injection method
15811-5	C6457-5	2015-10		Integrated circuits – Measurement of electromagnetic immunity – 150 kHz to 1 GHz – Part 5: Workbench Faraday cage method
15835	C6458	2015-10		Balance-of-system components for photovoltaic systems – Design qualification natural environments
15936	C6459	2016-09		Electromagnetic compatibility of multimedia equipment – Emission requirements
15950-1	C6460-1	2016-12		Test method for mechanical vibration of crystalline silicon photovoltaic (PV) cells in shipping environment
15950-2	C6460-2	2016-12		Test method for mechanical vibration of crystalline silicon photovoltaic (PV) modules in shipping environment
62087-1	C6461-1	2017-06		Audio, video and related equipment – Determination of power consumption – Part 1: General
62087-2	C6461-2	2017-06		Audio, video and related equipment – Determination of power consumption – Part 2: Signals and media
62087-3	C6461-3	2017-06		Audio, video and related equipment – Determination of power consumption – Part 3: Television sets
15989	C6462	2017-10		Electrical characteristics requirements and test methods of power module
15990	C6463	2017-10		Thermal characteristics requirements and test methods of power module
62716	C6464	2017-09		Photovoltaic (PV) module – Ammonia corrosion testing
61215-1	C6465-1	2022-12		Terrestrial photovoltaic (PV) modules – Design qualification and type approval – Part 1: Test requirements
61215-1-1	C6465-1-1	2018-10		Terrestrial photovoltaic (PV) modules – Design qualification and type approval – Part 1-1: Special requirements for testing of crystalline silicon photovoltaic (PV) modules
61215-1-4	C6465-1-4	2019-09		Terrestrial photovoltaic (PV) modules – Design qualification and type approval – Part 1-4: Special requirements for testing of thin-film Cu (In,Ga)(S,Se) <sub>2</sub> based photovoltaic (PV) modules
61215-2	C6465-2	2022-12		Terrestrial photovoltaic (PV) modules – Design qualification and type approval – Part 2: Test procedure
62623	C6466	2019-06		Desktop and notebook computers – Measurement of energy consumption
62782	C6467	2019-09		Photovoltaic (PV) modules – Cyclic (dynamic) mechanical load testing
16109	C6468	2019-10		Test method for current-voltage (I-V) performance measurement of organic photovoltaic (OPV) and dye-sensitized solar cell (DSSC)



CNS no.	Category no.	Date of		Title
		Current edition		
62040-1	C6469-1	2022-12		Uninterruptible power systems (UPS) – Part 1: Safety requirements
62040-3	C6469-3	2020-10		Uninterruptible power system(UPS) – Part 3: Method of specifying the performance and test requirements
60904-1	C6470-1	2022-11		Photovoltaic devices – Part 1: Measurement of photovoltaic current-voltage characteristics
60904-1-2	C6470-1-2	2022-11		Photovoltaic devices – Part 1-2: Measurement of current–voltage characteristics of bifacial photovoltaic (PV) devices
60904-4	C6470-4	2022-11		Photovoltaic devices – Part 4: Photovoltaic reference devices – Procedures for establishing calibration traceability
60904-7	C6470-7	2022-11		Photovoltaic devices – Part 7: Computation of the spectral mismatch correction for measurements of photovoltaic devices
61853-3	C6471-3	2022-11		Photovoltaic (PV) module performance testing and energy rating - Part 3: Energy rating of PV modules
62920	C6472	2023-01		Photovoltaic power generating systems – EMC requirements and test methods for power conversion equipment
16189	C6473	2022-11		Evaluation guide for design wind loads of photovoltaic systems

## Electronic Instruments and Parts

*	691	C7001	2019-08	Fluorescent lamps (for general lighting service)
*	1179	C7002	1985-11	Low voltage capacitor
	1263	C7003	withdrawn	Variable air capacitors for radios
	1264	C7004	withdrawn	Power transformer for communications
*	1372	C7005	1985-12	High voltage power capacitors
	2058	C7006	withdrawn	Electric bulbs for radio panel
	2317	C7007	withdrawn	Selenium rectifiers for battery charging
	2318	C7008	withdrawn	Electrolytic capacitors for general use (→CNS 4 8 5 6)
	2319	C7009	withdrawn	Electrolytic capacitors for special use (→CNS 4 8 5 6)
*	2320	C7010	withdrawn	Fixed carbon film resistors
*	2321	C7011	withdrawn	Variable carbon resistors for general use
	2546	C7012	withdrawn	Fixed paper capacitors for direct current
	2605	C7013	withdrawn	Colour Fluorescent Discharge Tubes
	2807	C7014	withdrawn	101 type automatic and common battery telephone sets
	3009	C7015	withdrawn	Simple type transistor radios
	3010	C7016	withdrawn	General type transistor radios
	3067	C7017	withdrawn	High tension capacitor paper
	3068	C7018	withdrawn	Metalized papers for capacitors
	3069	C7019	withdrawn	Capacitor tissue papers
	3208	C7020	withdrawn	600 type automatic and common battery telephone sets
	3260	C7021	withdrawn	Peaking coil
*	3306	C7022	1989-05	Flexible R. F. Twin Cables
	3516	C7023	1998-09	Fixed capacitors for use in electronic equipment (Fixed capacitors of ceramic dielectric class 1)
	3544	C7024	withdrawn	Record turntables
	3546	C7025	withdrawn	Phonograph pick-ups
*	3664	C7026	withdrawn	Fixed plastic film capacitors for direct current
	3767	C7027	withdrawn	PE variable capacitor for transistor radio
	4327	C7028	1990-10	Capacitors for Electrical Apparatus
	4328	C7029	1985-01	Electrolytic capacitors for motor starting
	4381	C7030	withdrawn	Counter,telephone (Type 11)
*	4382	C7031	1986-08	Microphones
	4494	C7032	withdrawn	Plugs, telephone (Type PJ-047B and PJ-047R) and accessory screws
	4495	C7033	withdrawn	Plugs, telephone (Type PJ-051B, PJ-051R) and accessory screws
	4496	C7034	withdrawn	Plugs, telephone (Type PJ-054B, PJ-054R) and accessory screws
	4497	C7035	withdrawn	Plugs, telephone (Type PJ-055B, PJ-055R and PJ-055M) and accessory screws
	4498	C7036	withdrawn	Plugs, telephone (Type PJ-068) and accessory screws
	4499	C7037	withdrawn	Plugs, telephone (Type PJ-291) and accessory screws

Date of				
CNS no.	Category no.	Current edition	Title	
4500	C7038	withdrawn	Plugs,telephone (Type PJ-292) and accessory screws	
4501	C7039	withdrawn	Plugs,telephone (Type PJ-309) and accessory screws	
4502	C7040	withdrawn	Plugs, telephone (Type PJ-327) and accessory screws	
4503	C7041	withdrawn	Plugs, telephone (Type PJ-540B, PJ-540R) and accessory screws	
4504	C7042	withdrawn	Plugs, telephone (Type PJ-636) and accessory screws	
4505	C7043	withdrawn	Plugs, telephone, and accessory screws (Screws, terminal and shell)	
4507	C7044	withdrawn	Jacks, telephone (Type JJ-015 and JJ-019)	
4508	C7045	withdrawn	Jacks, telephone (Type JJ-016, JJ-017, JJ-024, JJ-035, JJ-072, JJ-084, JJ-085, JJ-086, and JJ-087)	
4509	C7046	withdrawn	Jacks, telephone (Type JJ-022, JJ-042, JJ-073, JJ-074, JJ-075, JJ-077, and JJ-078)	
4510	C7047	withdrawn	Jacks, telephone (Type JJ-026)	
4511	C7048	withdrawn	Jacks, telephone (Type JJ-034)	
4512	C7049	withdrawn	Jacks, telephone (Type JJ-048)	
4513	C7050	withdrawn	Jacks, telephone (Type JJ-055)	
4514	C7051	withdrawn	Jacks, telephone (Type JJ-079, JJ-081, JJ-082 and JJ-106)	
4515	C7052	withdrawn	Jacks, telephone (Type JJ-083)	
4516	C7053	withdrawn	Jacks, telephone (Type JJ-088)	
4517	C7054	withdrawn	Jacks, telephone (Type JJ-089)	
4518	C7055	withdrawn	Jacks, telephone (Type JJ-092, JJ-093, JJ-096 and JJ-097)	
4519	C7056	withdrawn	Jacks, telephone (Type JJ-095, JJ-101 and JJ-103)	
4520	C7057	withdrawn	Jacks, telephone (Type JJ-098, JJ-099, and JJ-102)	
4521	C7058	withdrawn	Jacks, telephone (Type JJ-104, JJ-105 and JJ-107)	
4522	C7059	withdrawn	Jacks, telephone (Type JJ-133)	
4523	C7060	withdrawn	Jacks, telephone (Type JJ-134)	
4524	C7061	withdrawn	Jacks, telephone (Type JJ-033)	
*	4588	C7062	withdrawn	Variable ceramic capacitors for electronic equipment
	4591	C7063	withdrawn	AC mains supply metallized plastic film capacitors
	4592	C7064	withdrawn	AC mains supply plastic film capacitors
	4593	C7065	withdrawn	AC mains supply paper capacitors
	4594	C7066	withdrawn	AC mains supply ceramic capacitors
	4595	C7067	withdrawn	AC mains supply aluminium foil electrolytic capacitors
	4675	C7068	withdrawn	Fixed paper capacitors for direct current (style CP25,CP26,CP27,CP28 and CP29)
	4676	C7069	withdrawn	Fixed paper capacitors for direct current (style CP40 and CP41)
	4677	C7070	withdrawn	Fixed paper capacitors for direct current (style CP53,CP54 and CP55)
*	4707	C7071	withdrawn	Metallized plastic film capacitors (Characteristic N) for electronic equipment
*	4708	C7072	1990-10	Plastic Film Capacitors (Characteristic M) for Direct Current
	4709	C7073	withdrawn	Plastic film capacitors (characteristic S) for direct current
	4710	C7074	withdrawn	Fixed metalized paper capacitors for direct current
	4739	C7075	1986-06	C01 Type Connectors for Radio Frequency Coaxial Cables
	4740	C7076	1986-06	C02 Type Connectors for Radio Frequency Coaxial Cables
	4741	C7077	1986-06	C03 Type Connectors for Radio Frequency Coaxial Cables
	4742	C7078	1986-06	C04 Type Connectors for Radio Frequency Coaxial Cables
	4743	C7079	1986-06	C05 Type Connectors for Radio Frequency Coaxial Cables
	4744	C7080	1986-06	C11 Type Connectors for Radio Frequency Coaxial Cables
*	4786	C7081	withdrawn	Cone type loudspeakers
*	4787	C7082	withdrawn	Horn type loudspeakers
	4854	C7083	withdrawn	Cylindrical connectors for electronic equipment
	4855	C7084	withdrawn	Rectangular connectors for electronic equipment
	4856	C7085	1998-09	Fixed capacitors for use in electronic equipment (Aluminium electrolytic capacitors with solid and non-solid electrolyte)
	4858	C7086	1998-09	Fixed capacitors for use in electronic equipment (Fixed tantalum capacitors with non-solid or solid electrolyte)
*	4859	C7087	withdrawn	Fixed mica capacitors
	4860	C7088	1998-09	Fixed capacitors for use in electronic equipment (Fixed capacitors of

		Date of		
CNS no.	Category no.	Current edition	Title	
			ceramic dielectric class 2)	
4905	C7089	withdrawn	Reliability assured fixed ceramic capacitors (→CNS 3516)	
4954	C7090	withdrawn	Video tape recorders	
4955	C7091	withdrawn	Magnetic tape format for video tape recorder	
4956	C7092	withdrawn	Connection of video tape recorder	
4957	C7093	withdrawn	Reels for magnetic video recording tape	
4972	C7094	withdrawn	Insulated fixed carbon film resistors	
4973	C7095	withdrawn	Fixed carbon composition resistors	
*	4974	C7096	withdrawn	Power type coated wire wound resistors
	4975	C7097	withdrawn	Variable carbon resistors for special use
	4976	C7098	withdrawn	Variable wire wound resistors
	4977	C7099	withdrawn	Power type coated wire wound variable resistors
	4978	C7100	withdrawn	Fuses for instrument, power and telephone (Nonindicating), style F01
	4979	C7101	withdrawn	Fuses for instrument, power and telephone (Nonindicating), style F02
	4980	C7102	withdrawn	Fuses for instrument, power and telephone (Nonindicating), style F05
	4981	C7103	withdrawn	Fuses for instrument, power and telephone (Nonindicating), style F06
	5199	C7104	withdrawn	VU meters
	5206	C7105	withdrawn	Antenna-discharge units
	5318	C7106	withdrawn	Thermosetting Copper Clad Laminates
	5430	C7107	withdrawn	Standards for stylus tips used for disc phonograph record reproducing
	5549	C7108	withdrawn	Filters, radio interference
	5551	C7109	withdrawn	Tools, crimping, solderless wiring devices - Recommended procedures for user certification
	5767	C7110	withdrawn	1/2 inch type B plastic reel for magnetic tape (Requirements for interchange)
	5768	C7111	withdrawn	Type A hubs and reels for magnetic tape (Requirements for interchange)
	5769	C7112	withdrawn	Test to determine the temperature rise as a function of currents in printed conductors
	5771	C7113	1987-09	Thermistor Disks, Non - Insulated (Style TDX)
	5772	C7114	1987-09	Thermistor Disks, Insulated (Style TDC)
	5773	C7115	1987-09	Thermistor Rods, Non - Insulated (Style TRX)
	5774	C7116	1987-09	Thermistor Rods, Insulated (Style TRC)
	6127	C7117	1986-10	General Rules for Reliability Assured Discrete Semiconductor Devices
	6128	C7118	withdrawn	Reliability assured low current switching transistors
	6129	C7119	withdrawn	Reliability assured low frequency low power transistors
	6130	C7120	withdrawn	Reliability assured high frequency low power transistors
	6131	C7121	withdrawn	Reliability assured field-effect transistors
	6132	C7122	withdrawn	Choppers
*	6133	C7123	withdrawn	Midget earphone
	6134	C7124	withdrawn	Cut cores for electronic equipment
	6135	C7125	2000-02	Hearing aids - Part 0 : Measurement of electroacoustical characteristics
	6135-1	C7125-1	2000-02	Hearing aids - Part 1: Hearing aids with induction pick-up coil input
	6135-2	C7125-2	2000-02	Hearing aids - Part 2: Hearing aids with automatic gain control circuits
	6135-3	C7125-3	2000-02	Hearing aids - Part 3 : Hearing aids equipment not entirely worn on the listener
	6135-4	C7125-4	2000-02	Hearing aids - Part 4: Magnetic field strength in audio-frequency induction loops for hearing aid purposes
	6135-5	C7125-5	2000-02	Hearing aids - Part 5 : Nipples for insert earphones
	6135-6	C7125-6	2000-02	Hearing aids - Part 6 : Characteristics of electrical input circuit for hearing aids
	6135-7	C7125-7	2000-02	Hearing aids - Part 7 : Measurement of the performance Characteristics of hearing aids for quality inspection for delivery purposes

		Date of		
CNS no.	Category no.	Current edition	Title	
6135-8	C7125-8	2000-02	Hearing aids - Part 8 : Measurement of performance characteristics of hearing aids under simulated in situ working conduction	
6135-9	C7125-9	2000-02	Haering aids - Part 9 : Methods of Measurement of characteristics of hearing aids with bone vibrator output	
6135-10	C7125-10	2000-02	Hearing aids - Part 10 : Guide to hearing aid standards	
6135-11	C7125-11	2000-02	Hearing aids - Part 11 : Symbols and other marking on hearing aids and related equipment	
6135-12	C7125-12	2000-02	Heading aids - Part 12 : Dimensions of electrical connector systems	
6136	C7126	withdrawn	Rotary switches for electronic equipment	
6144	C7127	withdrawn	Dimensional, mechanical and electrical characteristics defining phone plugs & jacks	
6145	C7128	withdrawn	Small contact standard for electrical connectors	
6433	C7129	withdrawn	Audio transformers for electronic equipment	
6434	C7130	withdrawn	Power filter inductors for electronic equipment	
6558	C7131	withdrawn	Measurement instrumentation for X-radiation from television receivers	
6559	C7132	withdrawn	Output transformers for radio broadcast receivers	
6655	C7133	withdrawn	Flexible R.F. twin cables (UHF)	
6656	C7134	withdrawn	Reliability assured small signal diodes	
6657	C7135	withdrawn	Reliability assured low current rectifier diodes	
6658	C7136	withdrawn	Reliability assured voltage regulator diodes and voltage reference diodes	
6659	C7137	withdrawn	Reliability assured reverse blocking triode thyristors (Low current)	
6660	C7138	withdrawn	Reliability assured reverse blocking triode thyristors (High and medium current)	
6803	C7139	withdrawn	Power-supply, half-wave, metallic, rectifier, stack for radio receivers, amplifiers, Etc. (110 volts to 130 volts, a.c)	
6804	C7140	withdrawn	Non - linear, symmetrical varistors	
7127	C7141	withdrawn	Sound Level Meters (→CNS 7 1 2 9)	
7128	C7142	withdrawn	Sound Level Meters (Simple Type) (→CNS 7 1 2 9)	
* 7129	C7143	2015-12	Electroacoustics – Sound level meters – Part 1: Specifications	
* 7130	C7144	1986-06	Vibration Level Meters	
7131	C7145	1986-06	Vibration Level Meters for Hand Tools	
7227	C7146	1990-10	High Voltage Ceramic Dielectric Capacitor, Class 2	
7635	C7147	withdrawn	General rules of low frequency transformer for electronic equipment	
8231	C7148	withdrawn	Fuses for instrument, power and telephone (Nonindicating), style F03	
8232	C7149	withdrawn	Fuses for instrument, power and telephone (Nonindicating), style F07	
8382	C7150	withdrawn	Across-the-line capacitors antenna-coupling and line-by-pass components for radio and television type appliances	
8562	C7151	withdrawn	Electrical flat cable type connectors	
8804	C7152	withdrawn	Electronic remote control toy	
8806	C7153	withdrawn	Electronic self - balancing recorders for industrial use	
9832	C7154	withdrawn	Reliability assured bi-directional triode thyristors (Low current)	
9833	C7155	withdrawn	Reliability assured bi-directional triode thyristors (High and medium current)	
9978	C7156	1993-10	Quartz Watch for Submersion	
10556	C7157	withdrawn	Copper-clad laminates for printed circuits (Paper base, epoxy resin)	
10557	C7158	withdrawn	Copper-clad laminates for printed circuits (Synthetic fiber fabric base, epoxy resin)	
10558	C7159	withdrawn	Copper-clad laminates for printed circuits (Glass fabric base, epoxy resin)	
10559	C7160	withdrawn	Copper-clad laminates for printed circuits (paper base phenolic resin)	
10560	C7161	withdrawn	Thin copper-clad laminates for multilayer printed circuits (Glass fabric base, epoxy resin)	
10561	C7162	withdrawn	Epoxy resin-impregnated glass cloth (Pre-preg) for multilayer printed circuits	
10562	C7163	2000-10	Single and double side printed wiring boards	
10650	C7164	withdrawn	Fuses for instrument, power and telephone (Nonindicating), style F15	
10651	C7165	withdrawn	Fuses for instrument, power and telephone (Nonindicating), style F16	

Date of			
CNS no.	Category no.	Current edition	Title
10869	C7166	withdrawn	Specification of flat-oval telephone cord
10870	C7167	withdrawn	Modular plug for flat-oval telephone cord
10871	C7168	withdrawn	Terminal for flat-oval telephone cord
10958	C7169	withdrawn	Type designation system for wave-guides and flanges
10959	C7170	withdrawn	Rectangular waveguides and flanges for 4000 MHz band
10960	C7171	withdrawn	Rectangular waveguides and flanges for 7000 MHz band
10961	C7172	withdrawn	Rectangular wave-guides and flanges for 6000 MHz band
10962	C7173	withdrawn	Rectangular wave-guides and flanges for 9000 MHz band
10963	C7174	withdrawn	Rectangular wave-guides and flanges for 10,000 MHz band
10964	C7175	withdrawn	Rectangular wave-guides and flanges for 3000 MHz band
10965	C7176	withdrawn	Rectangular wave-guides and flanges for 5000 MHz band
11011	C7177	withdrawn	Subscriber telephone set
11095	C7178	withdrawn	Fuses for instrument and power (Nonindicating) style F19, knife type
11624	C7179	1986-07	Crystal Unit Quartz CR-84/u for Radio Oscillation
11625	C7180	1986-07	Paper Dielectric Capacitors for AC and DC By-Pass Radio-Interference Reduction
11718	C7181	1986-10	Simple Type Regenerative Radios
11763	C7182	1986-11	Transistor Megaphones
11764	C7183	1991-12	Magnetic Sound Recording Reference Tapes
11784	C7184	1991-12	Testing Tape for Magnetic Sound Recording and Reproducing Equipment
11829	C7185	1987-02	Light Emitting Diodes (for Indication)
11874	C7186	1987-03	Fixed Mica Capacitors ( Type CM 35 )
11875	C7187	1987-03	Fixed Mica Capacitors (Type CM 50)
11876	C7188	withdrawn	Fixed paper capacitors for direct current (style CP76)
11877	C7189	1987-03	Phonograph Pick-Ups with 12.7mm Mounting
11896	C7190	withdrawn	Reliability assured solid tantalum capacitors ( → C N S 4 8 5 8 )
11897	C7191	withdrawn	Reliability assured aluminium electrolytic capacitors with non-solid electrolyte ( → C N S 4 8 5 6 )
11898	C7192	1987-04	Reliability Assured Plastic Film Capacitors (Characteristic M)
11899	C7193	withdrawn	Reliability assured plastic film capacitors (characteristic S)
* 11900	C7194	1987-04	Fixed Ceramic Capacitors for Electronic Equipment (Semiconductor)
12250	C7195	1991-12	Magnetic Sound Recording Tapes
12251	C7196	1991-12	Reels for Magnetic Sound Recording Tapes
12252	C7197	1994-01	Standard Condenser Microphones
12253	C7198	1988-04	Quartz Crystal Units For Oscillators (for 1~125 MHz)
12254	C7199	1988-04	Quartz Crystal Units for Oscillators (for 200~1000 kHz)
12255	C7200	1988-04	Synthetic Quartz Crystal
12256	C7201	1988-04	Ovens for Quartz Crystal Units
12257	C7202	1988-04	Crystal Filters
* 12289	C7203	1988-05	Reliability Assured Fixed Metal Film Resistors (H,J,K) (Established Failure Rate)
* 12290	C7204	1988-05	Reliability Assured Fixed Metal Film Resistors (C,E)
* 12292	C7205	1988-05	Reliability Assured Fixed Carbon Composition Resistors (Established Failure Rate)
* 12293	C7206	1988-05	Reliability Assured Fixed Carbon Composition Resistors (From 1, Grade X)
* 12294	C7207	1988-05	Reliability Assured Fixed Carbon Composition Resistors (Form 2, Gradex)
* 12296	C7208	1988-05	Reliability Assured Power Type Fixed Wire Wound Resistors (S) (Established Failure Rate)
12710	C7209	withdrawn	Numeric keyboard for home electronic systems ( → C N S 1 4 4 8 4 - 1 ~ 1 4 4 8 4 - 8 )
12813	C7210	withdrawn	Low speed 1200bps display pager
12814	C7211	withdrawn	1200 bps Tone-Only Pager ( → C N S 1 2 8 1 3 )
12815	C7212	1990-12	Helical-Scan Video Tape Cassette System Using 12.65 mm (0.5 in) Magnetic Tape on Type Beta Format
12816-1	C7213-1	2000-11	Helical-scan video tape cassette system using 12.65mm (0.5in)

CNS no.	Category no.	Date of		Title
		Current edition		
				magnetic tape on type VHS — Part 1: VHS and compact VHS video cassette system
12816-3	C7213-3	2000-11		Helical-scan video tape cassette system using 12.65mm (0.5in) magnetic tape on type VHS - Part 3: S-VHS
*	12890	C7214	withdrawn	Multi-functions subscriber telephone set
	12922	C7215	withdrawn	800 MHz Cellular Mobile Telephone System Analog Type Subscriber Units
	12923	C7216	withdrawn	800 MHz Cellular Mobile Telephone System Analog Type Subscriber Units Land Station Compatibility Specification
	13087	C7217	1992-12	Reliability Assured Light Emitting Diode Big Lamps (for Outdoor Display)
	13091	C7218	1992-12	LED Outdoor Display Panel Product Standard
	13198	C7219	1993-05	Fixed Multilayer Ceramic Chip Capacitors for Use in Electronic Equipment
	13233	C7220	withdrawn	Facsimile
	13306-1	C7221-1	withdrawn	Specification for radio disturbance and immunity measuring apparatus and methods - Part 1: Radio disturbance and immunity measuring apparatus (→CNS 13306-1-1、13306-1-2、13306-1-3、
	13306-1-1	C7221-1-1	2007-12	Specification for radio disturbance and immunity measuring apparatus and methods - Part 1-1: Radio disturbance and immunity measuring apparatus - Measuring apparatus
	13306-1-2	C7221-1-2	2007-12	Specification for radio disturbance and immunity measuring apparatus and methods - Part 1-2: Radio disturbance and immunity measuring apparatus - Ancillary equipment - Conducted disturbances
	13306-1-3	C7221-1-3	2007-12	Specification for radio disturbance and immunity measuring apparatus and methods - Part 1-3: Radio disturbance and immunity measuring apparatus - Ancillary equipment - Disturbance power
	13306-1-4	C7221-1-4	2007-12	Specification for radio disturbance and immunity measuring apparatus and methods - Part 1-4: Radio disturbance and immunity measuring apparatus - Ancillary equipment - Radiated disturbances
	13306-1-5	C7221-1-5	2007-12	Specification for radio disturbance and immunity measuring apparatus and methods - Part 1-5: Radio disturbance and immunity measuring apparatus - Antenna calibration test sites for 30 MHz to
	13306-2	C7221-2	withdrawn	Specification for radio disturbance and immunity measuring apparatus and methods - Part 2: Methods of measurement of disturbances and immunity (→CNS 13306-2-1、13306-2-2、13306-
	13306-2-1	C7221-2-1	2007-12	Specification for radio disturbance and immunity measuring apparatus and methods - Part 2-1: Methods of measurement of disturbances and immunity - Conducted disturbance measurements
	13306-2-2	C7221-2-2	2007-12	Specification for radio disturbance and immunity measuring apparatus and methods - Part 2-2: Methods of measurement of disturbances and immunity - Measurement of disturbance power
	13306-2-3	C7221-2-3	2007-12	Specification for radio disturbance and immunity measuring apparatus and methods - Part 2-3: Methods of measurement of disturbances and immunity - Radiated disturbance measurements
	13306-2-4	C7221-2-4	2007-12	Specification for radio disturbance and immunity measuring apparatus and methods - Part 2-4: Methods of measurement of disturbances and immunity - Immunity measurements
	13331	C7222	1994-01	Sound Calibrator
	13452	C7223	withdrawn	Cordless telephone (Frequency below 80MHz)
	13583	C7224	withdrawn	Intergrating — Averaging sound level meters
	13622	C7225	1997-12	Fixed chip resistor for use in electronic equipment
	13625	C7226	1995-12	Product Specifications for Round Polished Monocrystalline Gallium Arsenide Wafers
	13782	C7227	1996-10	Reliability Assured Infrared Emitting Diodes (IRED) (for Automation)
	13808	C7228	1997-02	Epitaxial wafers for light emitting diodes
	13809	C7229	1997-02	Light emitting diode dice
	13810	C7230	1997-02	Lead frames for light emitting diodes

CNS no.	Category no.	Date of		Title
		Current edition		
13811	C7231	1997-02		Numerical-type reflectors for light emitting diodes
13902	C7232	1997-05		Expression of the properties of cathode-ray oscilloscopes
13903	C7233	1997-05		Expression of the properties of storage cathode-ray oscilloscopes
13904	C7234	1997-05		Expression of the properties of sampling oscilloscopes
13991	C7235	1997-12		Fixed resistor networks with individually measurable resistors for use in electronic equipment
13992	C7236	1997-12		Fixed resistor networks in which not all resistors are individually measurable for use in electronic equipment
14270	C7237	1998-11		75 Ohm type FD coaxial cable connectors for cable television (CATV)
14337	C7238	1999-08		Optical return loss meter
14338	C7239	1999-08		Optical power meter
14339	C7240	1999-08		Optical insertion loss meter
14340	C7241	1999-08		Optical time domain reflectometer
14341	C7242	1999-08		Optical spectrum analyzer
14342	C7243	1999-08		Stable light source
14403	C7244	2000-02		Provisional head and torso simulator for acoustic measurements on air conduction hearing aids
14411	C7245	withdrawn		ISDN digital phone type I
14412	C7246	withdrawn		ISDN digital phone type II
14413	C7247	withdrawn		ISDN terminal adapter for a/b wires
14414	C7248	withdrawn		Integrated services digital network terminal adapter - X.25
14415	C7249	withdrawn		Integrated services digital network terminal adapter - RS232
14416	C7250	withdrawn		Integrated services digital network access unit for character mode data terminal equipment
14417	C7251	withdrawn		Integrated services digital network access unit for packet mode data terminal equipment
14418	C7252	withdrawn		Integrated services digital network network terminal type I
14435	C7253	withdrawn		Medium speed 2400bps display pager
14436	C7254	withdrawn		High speed 6250bps/6400bps display pager
14466-1	C7255-1	2000-10		Audio-visual, video and television equipment and systems—Part 1: General
14466-2	C7255-2	2000-10		Audio-visual, video and television equipment and systems— Part 2: Definition of general terms
14466-3	C7255-3	2000-10		Audio-visual, video and television equipment and systems - Part3: Connectors for the interconnection of equipment in audio-visual systems
14466-7	C7255-7	2000-10		Audio-visual, video and television equipment and system - Part 7 : Safe handling and operation of audiovisual equipment
14466-8	C7255-8	2000-10		Audio-visual, video and television equipment and system - Part 8: Symbols and identification
14466-10	C7255-10	2000-10		Audio-visual, video and television equipment and system - Part 10: Audio cassette system
14466-11	C7255-11	2000-10		Audio-visual, video and television equipment and systems - Part 11 : video recording systems-operation practices to facilitate browsing
14466-13	C7255-13	2000-10		Audio-visual, video and television equipment and systems - Part 13 : Digital counter for audio cassette systems
14466-14	C7255-14	2000-10		Audio-visual, video and television equipment and systems- Part 14 : Audio striped card system
14466-15	C7255-15	2000-10		Audio-visual, video and television equipment and systems- Part 15 : Audio pages
14466-16	C7255-16	2000-10		Audio-visual, video and television equipment and systems- Part 16 : Labelling for educational audio cassettes
14466-17	C7255-17	2000-10		Audio-visual, video and television equipment and systems- Part 17 : Audio-learning systems
14466-18	C7255-18	2000-10		Audio-visual, video and television equipment and systems - Part 18: Connectors for automatic slide projectorswith built-in triacs for audiovisual application

CNS no.	Category no.	Date of		Title
		Current edition		
14466-20	C7255-20	2000-10		Audio-visual, video and television equipment and systems- Part 20 : Methods of measuring and reporting the performance of 16 mm sound film projectors
14466-21	C7255-21	2000-10		Audio-visual, video and television equipment and systems - Part 21: Video tape leader and trailer for education and training applications
14467-1	C7256-1	2000-10		Audio-visual , video and television equipment and systems - Part 5: Control , synchronization and address codes - Chapter 1: Synchronized tape / visual operating practice
14467-2	C7256-2	2000-10		Audio-visual, video and television equipment and systems - Part 5: Control synchronization and address codes - Chapter 2 : Control system for two still projectors. Operation practice
14468	C7257	withdrawn		Terminal equipment connected to telecommunication public network
14469	C7258	withdrawn		Automatic alarm terminal equipment
14546	C7259	2007-02		LED traffic signal lanterns and lamp housing
14549	C7260	withdrawn		LED road lane control signal light modules (→CNS 14546)
14552	C7261	withdrawn		LED pedestrian signal light modules (→CNS 14546)
14555	C7262	2001-06		Road traffic LED display panel
14577	C7263	withdrawn		Key telephone system
14578	C7264	withdrawn		Hybrid private automatic branch exchange
14610	C7265	2004-09		900 MHz GSM mobile telephone system - Subscriber units
14611	C7266	2004-09		900 MHz GSM mobile telephone system - Air interface
14612	C7267	2004-09		1800 MHz GSM mobile telephone system - Subscriber units
14613	C7268	2004-09		1800 MHz GSM mobile telephone system - Air interface
14677-1	C7269-1	2002-09		Sound system equipment Part 1: General
14677-2	C7269-2	2002-09		Sound system equipment – Part 2: Explanation of general terms and calculation methods
14677-3	C7269-3	2002-09		Sound system equipment – Part 3: Amplifiers
14677-4	C7269-4	2002-09		Sound system equipment – Part 4: Microphones
14677-7	C7269-7	2002-09		Sound system equipment – Part 7: Headphone and earphones
14694-1	C7270-1	2002-12		Audio, video and audiovisual systems-interconnections and matching values – Part 1: 21-pin connector for video systems – application No.1
14694-2	C7270-2	2002-12		Audio, video and audiovisual systems-interconnections and matching values – Part 2: 21-pin connector for video systems – application No.2
14694-3	C7270-3	2002-12		Audio, video and audiovisual systems- interconnections and matching values – Part 3: Interface for the interconnection ENG cameras and portable VTRs using non-composite signals
14694-4	C7270-4	2002-12		Audio, video and audiovisual systems- interconnections and matching values – Part 4: Connector and cordset for domestic digital bus (D2B)
14694-5	C7270-5	2002-12		Audio, video and audiovisual systems- interconnections and matching values – Part 5: Y/C Connector for video systems- electrical matching values and description of the connector
15027-1	C7271-1	2019-11		Sound system equipment – Headphones and earphones associated with personal music players – Maximum sound pressure level measurement methodology and limit considerations – Part 1: General
15027-2	C7271-2	2019-11		Sound system equipment – Headphones and earphones associated with personal music players – Maximum sound pressure level measurement methodology – Part 2: Matching of sets with
15027-3	C7271-3	2019-11		Sound system equipment – Headphones and earphones associated with personal music players – Maximum sound pressure level measurement methodology – Part 3: Measurement method for sound
15601	C7272	2013-09		Commercial vehicles - Obstacle detection device during reversing - Requirements and tests
62790	C7273	2017-10		Junction boxes for photovoltaic modules – Safety requirements and tests
62852	C7274	2017-10		Connectors for DC-application in photovoltaic systems – Safety



CNS no.	Category no.	Date of Current edition	Title
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requirements and tests

**D Automotive and Aircraft Engineering**

CNS no.	Category no.	Date of		Title
		Current edition		
<b>General</b>				
	2732	D1001	withdrawn	Calibration method for speedometers of automobiles
	3104	D1002	withdrawn	Calibration method of speedometers for motorcycles
*	4678	D1003	1994-03	Designation System of Tire, Tube, Rim, Rim Band and Flap for Automobiles
*	5559	D1004	1987-10	Shape and Mounting Dimensions of Distributor Contact Breakers for Automobiles
	5779	D1005	1987-10	General Rules of Relays for Automobiles
	5781	D1006	1987-10	Rated Output of Starting Motors for Automobiles
	5783	D1007	withdrawn	Standard Voltages for Automobiles
	7368	D1008	withdrawn	Standard form of specifications of road rollers
	7669	D1009	1981-07	General Rules of Electroplating for Automobile Parts
	7670	D1010	1981-07	General Rules of Coating Films for Automobile Parts
*	7671	D1011	1981-07	General Rules of Weatherability for Automobile Parts
	7674	D1012	withdrawn	Designation of the Direction of Rotation of Electric Equipment for Automobiles
	7881	D1013	1986-07	Standard form of Specification of Agricultural Wheel Tractors
	7888	D1014	withdrawn	Transmission Shift Positions for Trucks and Buses
	7894	D1015	1995-03	General Rules of Testing Methods for Switches of Automobiles
	7970	D1016	withdrawn	Dimension of Flanges to be Fitted up Clutch Housing for Automobiles
*	7980	D1017	1981-10	Test Code of Exhaust Emission Control Devices for Automobiles
	8237	D1018	1982-01	Mounting Method of Brake Line and Electrical Connectors Between Truck Tractors and Trailers
	8238	D1019	1982-01	Interchange Coupling Dimensions of Truck Tractors and Semitrailers
	8568	D1020	withdrawn	Standard form of specification for passenger cars and motor trucks
	8569	D1021	withdrawn	Standard form of specification of motor graders
	8570	D1022	withdrawn	Standard form of specifications of crawler tractors
*	8571	D1023	withdrawn	Standard form of specifications of fork lift trucks
	8572	D1024	1985-07	Glossary of Terms Relating to Electric Equipment for Automobiles (Charging, Starting, Ignition, Preheating System)
	8573	D1025	1985-07	Glossary of Terms Relating to Electric Equipment for Automobiles (Lamp System)
	8574	D1026	1985-07	Glossary of Terms Relating to Electric Equipment for Automobiles (Windshield Wiper System)
	8575	D1027	1985-07	Glossary of Terms Relating to Electric Equipment for Automobiles (Meter System)
	8576	D1028	1985-07	Glossary of Terms Relating to Electric Equipment for Automobiles (Relay, Breaker and Flasher System)
	8577	D1029	1985-07	Glossary of Terms Relating to Electric Equipment for Automobiles (Sound Signalling Device System)
	8578	D1030	1985-07	Glossary of Terms Relating to Electric Equipment for Automobiles (Switch System)
	8579	D1031	1985-07	Glossary of Terms Relating to Electric Equipment for Automobiles (Wiring Harness)
	9385	D1032	withdrawn	Simplified drawing methods for brake pipes of automobiles
	9386	D1033	1982-09	Graphical Symbols for Braking Diagram of Automobiles
	9586	D1034	withdrawn	General rules for automobile instruments (part 1)
	9587	D1035	withdrawn	General rules for automobile instruments (part 2)
	9589	D1036	1982-11	General Rules of Environmental Testing Method for Automotive Electronic Equipment
	9590	D1037	1997-05	Glossary of terms relating to kinds of vehicles
*	9591	D1038	1982-11	Glossary of Terms Relating to Automobiles (General Terms of Automobiles)
*	9592	D1039	1982-11	Glossary of Terms Relating to Automobiles (Dimensions of Automobiles)

		Date of		
CNS no.	Category no.	Current edition		Title
*	9593	D1040	1982-11	Glossary of Terms Relating to Automobiles (Weights of Automobiles)
*	9594	D1041	1982-11	Glossary of Terms Relating to Automobiles (Performances of Automobile)
	9849	D1042	1983-01	Standard form of Specifications of Tractor-Drawn Scrapers
	9850	D1043	1983-01	Standard Form of Specifications of Shovel and Loaders (Front End)
	9851	D1044	withdrawn	Standard form of specifications of diesel engines for construction machineries
	9852	D1045	withdrawn	Standard form of specifications of tired rollers
	9991	D1046	1983-02	Fixed Design and Method of Use for Oil Seals for Automobiles
	9992	D1047	1983-02	Glossary of Terms Relating to Braking Equipment of Automobiles
	10064	D1048	1983-03	Glossary of Terms Relating to Suspension of Automobiles
	10065	D1049	1983-03	Glossary of Terms Relating to Equipment and Decoration of Automobiles
	10157	D1050	1983-04	Selection of Fuses and Fusible-links for Automobile Wiring
	10158	D1051	1983-04	Current Capacity of Low Tension Cables for Automobiles
	10159	D1052	1983-04	Colour Code for Wiring Harness for Automobiles
	10160	D1053	1983-04	Tolerance in Length for Wiring Harness for Automobiles
	10163	D1054	1983-04	Glossary of Terms Relating to Brake Types, Braking and Brake Operation of Automobiles
	10246	D1055	1983-05	Glossary of Terms Relating to Pipe Joint of Automobiles
	10247	D1056	1983-05	Glossary of Terms Relating to Non-Metal Pipe Joint of Automobiles
	10248	D1057	1983-05	Glossary of Terms Relating to the Body of Passenger Cars
	10492	D1058	1983-08	Glossary of Terms Relating to Steering Systems of Automobiles
	10493	D1059	1983-08	Glossary of Terms Relating to Automobile Stability and Controllability
	10620	D1060	1983-10	Contours of Rims for Industrial Vehicles and off the Road Service
	10622	D1061	1983-10	Bumper Heights for Automobiles
*	10701	D1062	1994-11	General Rules for Taximeter
*	10702	D1063	1993-10	The Terminology of Taximeter
	10799	D1064	1984-03	Three-dimensional Reference System for Automobiles
	11301	D1065	1985-07	Glossary of Terms Relating to Electric Equipment for Automobiles (Electronic Device)
	12123	D1066	1987-10	The Dimension of High Tension Connection for Ignition Coils and Distributors for Automobiles
	12916	D1067	2012-09	Fuel system apparatuses and their inspection for liquefied petroleum gas automobiles
*	13181	D1068	2012-09	Fuel systems of liquefied petroleum gas (LPG) automobile –The general method of test
*	13181-1	D1068-1	1995-01	The Method of Test of Container Accessories for LGP Automobile Fuel Systems
*	13181-2	D1068-2	1995-01	The Method of Test of Pressure Regulator and Vaporizers for LGP Automobile Fuel Systems
*	13181-3	D1068-3	1995-01	The Method of Test of Shut off Valves for LPG Automobile Fuel Systems
*	13181-4	D1068-4	1995-01	The Method of Test of Synthetic Rubber Hoses for LGP Automobile Fuel Systems
*	13181-5	D1068-5	1997-02	The Method of Test of Remote Filling Units for L.P.G Automobile Fuel Systems
*	13181-6	D1068-6	1995-01	The Method of Test of Containers for LGP Automobile Fuel Systems
*	13181-7	D1068-7	1995-01	The Method of Test of Leakages Testing Procedures for LGP Automobile Fuel Systems
*	13181-8	D1068-8	1995-01	The Method of Test of Vibration Testing Procedures for LGP Automobile Fuel Systems
	13865	D1069	1997-05	Symbols of instruments and controls for automobiles
	13866	D1070	1997-05	Location of instruments and controls for automobiles
	14126	D1071	2018-03	Electrically power assisted cycles
*	14246	D1072	1998-10	Road vehicles – Vehicle identification number
	14295	D1073	1999-01	Measuring method of automobile weights

CNS no.	Category no.	Date of		Title
		Current edition		
14386-1	D1074-1	withdrawn		Glossary of terms relating to electric motorcycles
14386-2	D1074-2	withdrawn		Generals rules of running test methods for electric motorcycles
14386-3	D1074-3	withdrawn		Method of maximum speed test for electric motorcycles
14386-4	D1074-4	withdrawn		Method of acceleration test for electric motorcycles
14386-5	D1074-5	withdrawn		Method of climbing ability test for electric motorcycles
14386-6	D1074-6	withdrawn		Measurement of driving range and energy consumption for electric motorcycles
14386-7	D1074-7	withdrawn		Measurement of travelling energy consumption for electric motorcycles
14386-8	D1074-8	2000-05		Power measurement of electric motors equivalent to the on-board state for electric motorcycles
14386-9	D1074-9	2000-05		Combined power measurement of electric motors and controllers for electric motorcycles
14386-10	D1074-10	withdrawn		Limits and methods of measurement for electromagnetic interference of electric motorcycles
14386-11	D1074-11	2000-03		Life cycle test procedure for batteries of electric motorcycles
14386-12	D1074-12	2000-03		Capacity test procedure for batteries of electric motorcycles
14386-13	D1074-13	2000-03		Energy and power density test procedure for batteries of electric motorcycles
14386-14	D1074-14	2000-05		General rules of charging devices for electric motorcycles
14386-15	D1074-15	withdrawn		Specific safety requirements and test methods for electric motorcycles
14391	D1075	1999-12		Symbols of instruments and controls for electric vehicles
14873-1	D1076-1	2004-11		Road vehicles – Airbag components – Part 1: Vocabulary
14873-2	D1076-2	2004-11		Road vehicles – Airbag components – Part 2: Testing of airbag modules
14873-3	D1076-3	2004-11		Road vehicles – Airbag components – Part 3: Testing of inflator assemblies
15100	D1077	2007-12		Identification of controls for motorcycles and mopeds
15499-1	D1078-1	2011-10		Electrically propelled road vehicles – Safety specifications – Part 1: On-board rechargeable energy storage system (RESS)
15499-2	D1078-2	2011-10		Electrically propelled road vehicles – Safety specifications – Part 2: Vehicle operational safety means and protection against failures
15499-3	D1078-3	2012-10		Electrically propelled road vehicles — Safety specifications Part 3: Protection of persons against electric shock
15499-4	D1078-4	2015-02		Electrically propelled road vehicles - Safety specifications - Part 4: Post crash electrical safety
15512	D1079	2011-10		Electric road vehicles – Road operating characteristics
15513	D1080	2011-10		Electric road vehicles – Reference energy consumption and range – Test procedures for passenger cars and light commercial vehicles
15589	D1081	2012-10		Road vehicles – Symbols for controls, indicators and tell-tales
*	16125	D1082	2020-01	Stationary a.c. and d.c. conductive power supply systems for electric motorcycle – General requirement
*	16126	D1083	2020-01	Stationary a.c. and d.c. conductive power supply systems for electric motorcycle – Battery swapping system
	16127	D1084	2020-01	Stationary a.c. and d.c. conductive power supply systems for electric motorcycle – Standard interface for d.c. power supply systems
	16128	D1085	2020-01	Stationary a.c. and d.c. conductive power supply systems for electric motorcycle – Digital communication between electric motorcycle dedicated d.c. power supply device and electric
	16162-1	D1086-1	2022-02	Leisure karts – Part 1: Safety requirements and test methods for karts
	16162-2	D1086-2	2022-02	Leisure karts – Part 2: Safety requirements for karting facilities
	16192-1	D1087-1	2023-01	Space systems – Electrical, electronic and electromechanical (EEE) parts – Part 1: Parts management
	16192-2	D1087-2	2023-01	Space systems – Electrical, electronic and electromechanical (EEE)

CNS no.	Category no.	Date of		Title
		Current edition		
16193-1	D1088-1	2022-12		parts – Part 2: Control programme requirements Road vehicles – Vehicle to grid communication interface – Part 1: General information and use-case definition
<b>Spare Parts</b>				
422	D2001	2013-09		Lead-acid batteries for automobiles
2586	D2002	2017-12		Brake linings and pads for automobiles
2935	D2003	1995-03		Piston Pins for Automobile Engines
2945	D2004	2007-08		Filament lamps for vehicles
3011	D2005	1996-05		Clutch Facings for Automobiles
3012	D2006	1996-05		Rivets of Brake Linings and Clutch Facings for Automobiles
*	3102	D2007	1986-08	Sleeve Type Half Bearing for the Crankshaft of Automobile Engines
	3211	D2008	2003-11	Piston for automobile engines
	3472	D2009	1999-06	Rubber cups of hydraulic brake cylinders for automobiles
	3473	D2010	2000-10	Hydraulic brake wheel cylinders for automobiles
	3474	D2011	1999-08	Hydraulic brake master cylinders for automobiles
*	3972	D2012	2007-02	Safety-belts for vehicles
	4118	D2013	withdrawn	Seat belt retractors for automobiles (→CNS 3972)
	4596	D2014	1986-06	Electric Fans for Automobiles
	4596-1	D2014-1	1987-03	Over Current Protector of Electric Fans for Automobiles
	4679	D2015	1986-01	Contours of Rims for Automobiles
	4982	D2016	2007-09	Advance-warning triangles
	5323	D2017	1986-08	Water Pump Ball Bearings for Automobiles
	5324	D2018	withdrawn	Kingpin thrust ball bearing for automobiles
	5431	D2019	withdrawn	Supporting Rod of Rearview Mirror for Motor Vehicle - Telescopic Type
	5435	D2020	1987-10	Dimensions of Starter Pinions and Ring Gears for Automobiles
	5560	D2021	1986-11	External Resistor - Suppressors for Automobiles, Ignition Interference
*	5561	D2022	1986-11	Ignition Coils for Automobiles
	5561-1	D2022-1	1986-11	Ignition Coil Fixing Band for Automobiles
	5561-2	D2022-2	1986-11	High Tension Cable Connection for Ignition Coils and Distributors for Automobiles
	5561-3	D2022-3	1986-11	Low Tension Cable Connections for Ignition Coils for Automobiles
*	5566	D2023	1987-08	Lighting Switches for Automobiles
	5567	D2024	1987-08	Starter Switches for Automobiles
	5778	D2025	1987-08	Push - Pull Switches for Automobiles
	5780	D2026	1987-08	Mechanical Stop Lamp Switches for Automobiles
*	5782	D2027	1993-10	Cigarette Lighters for Automobiles
*	5784	D2028	1988-07	Dimensions of Cock Connections of Fuel Tanks for Motorcycles
	5785	D2029	1989-07	Shape and Dimension of Carburetor Flange for Automobiles
	5786	D2030	1986-04	Electric Windshield Washers for Automobiles
*	5787	D2031	1986-06	Horn Relays for Automobiles
*	5788	D2032	1986-11	Turn Signal Flashers for Automobiles
	5789	D2033	1987-08	Dimmer Switches for Automobiles
*	5790	D2034	1986-11	Hazard Warning Signal Flashers for Automobiles
	5791	D2035	1986-11	Temperature Indicators for Automobiles
	5792	D2036	1989-07	Expansion Plugs for Automobiles
	5793	D2037	1989-07	Sealing Caps for Automobiles
	5794	D2038	withdrawn	Taper screw plug for automobiles
	5795	D2039	1987-08	Oil Pressure Gauges for Automobiles
	5796	D2040	1987-08	Ammeters for Automobiles
	5797	D2041	1987-08	Incandescent Lamps for Buses
	5798	D2042	1987-08	Fuel Level Gauges for Automobiles
	6159	D2043	1989-07	Shape and Dimension of Fuel Filler Necks and Covers for Automobiles
	6160	D2044	1993-10	Pressure Caps and Filler Necks for Automobile Radiators
	6161	D2045	1986-10	Hydraulic Brake Rubber Hoses for Automobiles

	CNS no.	Category no.	Date of Current edition	Title
	6162	D2046	1993-10	Coolant System Hoses for Automobiles
	6165	D2047	1987-03	Adjustable Clevis Joints for Automobiles
	6166	D2048	1987-03	Yokes of Adjustable Clevis Joints for Automobiles
	6167	D2049	1987-03	Pins of Adjustable Clevis Joints for Automobiles
	6172	D2050	2006-06	Rear view mirrors for vehicles
	6173	D2051	1987-01	Switches of Lubricating Oil Pressure Warning Lamps for Automobiles
	6174	D2052	1987-01	Switches of Hydraulic Stop Lamps for Automobiles
	6175	D2053	1987-01	Switches of Parking Lamps for Automobiles
*	6322	D2054	2015-01	Automotive parts - Wiper arms and wiper blades
	6323	D2055	1987-01	Switches of Door Lamps for Automobiles
	6324	D2056	1987-01	Switches of Back-up Lamps for Automobiles
*	6436	D2057	1986-06	Warning Buzzers for Automobiles
*	6810	D2058	1987-10	Steering Locks with Ignition Switches for Automobiles
	6811	D2059	1987-03	Hot Water Heaters for Automobiles
	6813	D2060	2010-06	Audible warning devices for vehicles
*	6814	D2061	1994-04	Speedometers for Automobiles
	6815	D2062	1994-05	Flexible Shafts for Speedometers and Tachographs of Automobiles
	6816	D2063	1985-07	Tachographs for Automobiles
	6902	D2064	1990-08	Cable Terminals for Automobiles (Type LA)
	6903	D2065	1990-08	Cable Terminals for Automobiles (Type LB)
	6904	D2066	1990-08	Cable Terminals for Automobiles (Type LD)
	6905	D2067	1990-08	Cable Terminals for Automobiles (Type LE)
	6906	D2068	1990-08	Cable Terminals of Storage Battery for Automobiles (Type BA)
	6907	D2069	1990-08	Cable Terminals of Storage Battery for Automobiles (Type BB)
	6908	D2070	1990-08	Cable Terminals of Storage Battery for Automobiles (Type BC)
	6909	D2071	1990-08	Cable Terminals of Storage Battery for Automobiles (Type BD)
	6910	D2072	1990-08	Cable Terminals of Storage Battery for Automobiles (Type BE)
	6911	D2073	1990-08	High Voltage Cable Terminals of Distributor for Automobiles ( Type IA )
	7023	D2074	1990-08	Cable Terminals of Spark Plug for Automobiles ( Type IB )
	7024	D2075	1991-07	Cable Terminals for Automobiles (Type CA)
	7025	D2076	1991-07	Cable Terminals for Automobiles (Type CB)
	7026	D2077	1991-07	Cable Terminals for Automobiles (Type CW)
	7027	D2078	1991-07	Cable Terminals for Automobiles (Type PA,PB)
	7028	D2079	1991-07	Cable Terminals for Automobiles (Type TA)
	7029	D2080	1989-10	Shape, Dimensions and Travel Angles of Drawbar Eyes for Full Trailers
	7030	D2081	1986-08	Shapes and Dimensions of Fifth Wheel Coupling Pins for Semi-trailers
	7031	D2082	1986-07	Dimensions of Hitches for Agricultural Tractors
	7032	D2083	1986-07	Dimensions of Link Type Drawbars for Agricultural Wheel Tractors
	7132	D2084	1991-10	Tyre Valves for Automobiles
	7133	D2085	withdrawn	Clutch release ball bearings for automobiles
	7134	D2086	1986-04	Shapes and Dimensions of Fuel Injection Nozzles for Automobile Diesel Engines (Size "S")
*	7135	D2087	1995-05	Light Alloy Disc Wheels for Automobiles
*	7136	D2088	1985-06	Cylinder Liners for Automobile Engines (Cast Iron)
	7140	D2089	1990-01	Electric Fuel Pumps for Automobiles
	7667	D2090	withdrawn	Cylinder head gaskets for automobile engines
*	7668	D2091	withdrawn	Throwaway type oil filters for automobile gasoline engines
	7675	D2092	1987-07	Stoppers of Entrance Door for Buses
	7676	D2093	1992-06	Rubber Bumpers of Entrance Doors for Buses
	7677	D2094	1992-06	Destination Indicators for Buses
	7678	D2095	1987-07	Sash Locks for Buses
	7679	D2096	1989-07	Inlet Type Ventilators for Buses
	7680	D2097	1989-10	Shapes and Dimensions of Seats for Buses
	7681	D2098	2005-03	Door latches and hinges for automobiles

		Date of		
CNS no.	Category no.	Current edition	Title	
7882	D2099	1986-01	Air Brake Line Couplings Between Truck Tractors and Trailers	
7883	D2100	withdrawn	Lighting and Signalling Equipment for Automobiles (→ C N S 7 8 8 4 )	
*	7887	D2101	withdrawn	Sealed beam head lamp units for motor vehicles
*	7889	D2102	withdrawn	Wheel nuts for automobiles
	7890	D2103	1989-10	Window Weather Strips for Buses
	7891	D2104	1987-10	Spark Plugs with Resistor for Automobile Water - Cooled Engines
	7892	D2105	1997-05	Speed indicating devices for automobiles
	7893	D2106	1986-04	Windshield Wiper Motors for Automobiles
	7969	D2107	1987-07	Door Locks for Buses
	7971	D2108	1991-10	Tyre Valve Core Housing and Spuds for Automobiles
	7972	D2109	1991-10	Tyre Valve Caps and Packing for Automobiles
	7973	D2110	1991-10	Tyre Valve Cores for Automobiles
	7974	D2111	1991-10	Tyre Valve Nuts for Automobiles
	7975	D2112	1991-10	Tyre Valve Washers and Grommets for Automobiles
	7976	D2113	1992-06	Insulated Bodies of Insulated or Refrigerated Vehicles
	7978	D2114	1986-06	Horn, Air - Actuated Electrically Controlled
	7979	D2115	1993-10	Glow Plugs for Automobiles
	8233	D2116	1991-10	Tyre Valve Thread for Automobiles
	8235	D2117	1986-07	Main Output Shaft of Power Take-Off for Agricultural Tractors
	8239	D2118	1986-06	Seven Conductor Electrical Connectors Between Truck Tractors and Trailers
	8386	D2119	1990-01	Mechanical Fuel Pumps for Automobiles
	8387	D2120	withdrawn	Fuel Pump Diaphragms for Automobiles
	8388	D2121	1993-10	Tyre Valve Extensions for Automobiles
*	8480	D2122	1982-02	Hydraulic Clutch Master Cylinder for Automobiles
*	8481	D2123	1982-02	Hydraulic Clutch Operating Cylinders for Automobiles
*	8482	D2124	1985-02	Control Cables for Automobiles
*	8483	D2125	1985-02	Control Cables for Motor - Cycle
	8673	D2126	1987-06	Clutch Cover Assemblies for Automobiles
	8675	D2127	1987-06	Clutch Disk Assemblies for Automobiles
*	8812	D2128	withdrawn	Warning signal lamps of automobiles
*	8814	D2129	1993-01	Brake Shoe Assembly for Motorcycles
	8815	D2130	1982-05	Fastening Type and Dimension of Disc Wheel for Automobiles
	8816	D2131	1982-05	Fastening Dimensions of Two - Piece Divided Rims for Industrial Vehicles
*	8943	D2132	1991-10	Tyre Valve Stems for Automobiles
	8947	D2133	1986-06	Fuse Box for Automobiles
	8949	D2134	1986-06	Fuse for Automobiles
*	8952	D2135	1989-07	Exhaust Muffler Assembly for Automobiles
	8953	D2136	1987-07	Cylinder for Small Internal Combustion Engines of Land Use
	8954	D2137	1982-06	Windscreen Wiper for Automobiles; Bushing
	8955	D2138	1988-07	Drive Chain Adjusters for Motorcycles
	8956	D2139	1988-07	Grip for Motorcycles
	8957	D2140	1988-07	Exhaust Pipe Packings for Motorcycles
	9169	D2141	withdrawn	Thread plug of oil drain hole for motor-cycle
*	9170	D2142	1986-02	Telescopic Shock Absorbers for Automobiles
*	9172	D2143	1986-02	Shock Absorber With Rebound Hydraulic Stopper
*	9173	D2144	1986-02	Gas-filled Single Tube Shock Absorbers for Automobiles
	9174	D2145	1983-05	Connecting Rod of Engine for Motor Cycle
	9250	D2146	1986-06	Fork Lift Trucks
*	9251	D2147	1982-08	Rims for Motorcycle and Scooters
	9374	D2148	1986-04	Hand Operated Windshield Washers for Automobiles
	9375	D2149	withdrawn	Piping and wiring clips for automobiles
*	9376	D2150	1988-07	Gear Shift Assembly for Motorcycles
*	9377	D2151	1988-07	Drive Sprockets and Final Driven Sprockets for Motorcycles
	9378	D2152	1986-11	Low - Voltage Aluminum Cables for Automobiles

CNS no.	Category no.	Date of		Title
		Current edition		
9380	D2153	1986-11		Lead Wires for Automobiles Electrical Equipments
9381	D2154	1988-01		Multi-Connectors for Automotives
9383	D2155	1988-01		Multi-Connectors Use in Electronics and Waterproof for Automotives
9479	D2156	1995-05		Steel Disc Wheels for Automobiles
9482	D2157	withdrawn		Hub bolts for automobiles
9585	D2158	withdrawn		Electric engine tachometers for automobiles
* 9588	D2159	1982-11		Kinds and Dimensions of Bases and Sockets of Electric Lamps for Automobiles
9595	D2160	1982-11		Leaf Springs for Automobiles
9597	D2161	1982-11		Suspension Coil Springs for Automobiles
9847	D2162	1986-10		Air Brake Hoses for Automobiles
9848	D2163	1986-10		Air Brake Slack Adjusters
9983	D2164	1983-02		Hose Clamps for Automobiles
9984	D2165	1983-02		Flared Type Tube Fittings for Automobiles
9985	D2166	1983-02		Flareless Type Tube Fittings for Automobiles
9986	D2167	1983-02		Blind Rivets for Automobiles
9988	D2168	withdrawn		Finishing washers for automobiles
9989	D2169	1983-02		Oil Seals for Automobiles
10155	D2170	1986-11		Backup Alarm for Automobiles
10161	D2171	1983-04		Metal Tubes and Tubing for Automobiles
10332	D2172	1986-10		Nylon Tubes for Air Brake Piping of Automobiles
* 10705	D2173	1983-12		Plastic Bumpers for Passenger Cars
10709	D2174	1986-10		Vacuum Brake Hoses for Automobiles
10710	D2175	1983-12		Rubber Boots of Hydraulic Brake Wheel Cylinders for Automobiles
10711	D2176	1983-12		Elastomeric Seals of Hydraulic Disc Brake Cylinders for Automobiles
10712	D2177	1983-12		Diaphragm Gaskets of Hydraulic Brake Master Cylinder Reservoirs for Automobiles
10801	D2178	withdrawn		Headlamp cleaners for automobiles
10934	D2179	1984-06		Bleed Screw of Hydraulic Brake Wheel Cylinders for Automobiles
10980-1	D2180-1	2000-03		Lead-acid traction batteries – general requirements and methods of test
10980-2	D2180-2	1999-10		Lead-acid traction batteries – dimensions of cells and terminals and marking of polarity
11058	D2181	2009-07		Head restraints for automobiles
11059	D2182	1984-10		Three Dimensional Manikins for Use in Defining Automobile Seating Accomodations
11060	D2183	withdrawn		Head Restraints for Automobile Occupants (Separable Type)
11061	D2184	withdrawn		In-line fuel injection pumps for automobile diesel engines
11062	D2185	1984-10		Shape and Dimension of Injection Pipe Ends and Fitting for Automobile Diesel Engines
11063	D2186	1984-10		Flange-Mounted and Screw-Mounted Injection Nozzle Holder Type S for Road Vehicles
11064	D2187	1984-10		Injection Nozzle Holder Type P for Road Vehicles (with Body and with Fixing Flats)
* 11497	D2188	2019-12		Child restraint system for vehicles
* 11500	D2189	1986-02		Gas-filled Twin Tube Shock Absorbers
12374	D2190	1988-07		Intake and Exhaust Valves for Motorcycles
13094	D2191	2005-10		Strength of seat and anchorage for vehicles
* 13095	D2192	2005-10		Safety-belt installation and anchorage for vehicles
13453	D2193	1994-12		Safety Guards for Trucks and Trailers
13537	D2194	withdrawn		Supplemental High Mounted Stop Lamps for Automobiles (→ C N S 7 8 8 4 )
13538	D2195	1995-05		Lighting and Light Signaling Devices for Automobiles
13864	D2196	1997-05		Vacuum brake booster
13952	D2197	1997-10		Speed limitation devices for automobiles
14127	D2198	1998-04		Air brake actuators
14130	D2199	1998-04		Windshield wiper and washer systems for automobiles



CNS no.	Category no.	Date of Current edition	Title
14131	D2200	withdrawn	Plastic fuel tanks for passenger cars
14343	D2201	1999-08	Anti-lock brake system for automobiles
14501	D2202	2009-06	Lighting and signalling devices for motorcycles
14997	D2203	2011-08	Air pumps for bicycles
15085	D2204	2007-08	Gas-discharge headlamps for motor vehicles
15086	D2205	2007-08	Gas-discharge light sources for motor vehicles
15365	D2206	withdrawn	Speedometer for motor vehicles
15370	D2207	2010-09	Replacement brake lining assemblies and drum brake linings for power-driven vehicles and their trailers

## Testing and Inspection

	34	D3001	withdrawn	Testing Standard for Spare Parts of Automobiles, (Clearance Between Piston and Cylinder) (Withdrawn)
	36	D3002	withdrawn	Testing Standard for Spare Parts of Automobiles (Materials)
	38	D3003	withdrawn	Testing Standard for Spare Parts of Automobiles (Manufacturing Tolerance)
	40	D3004	withdrawn	Testing Standard for Spare Parts of Automobiles (Piston)
	43	D3005	withdrawn	Testing Standard for Spare Parts of Automobiles (Piston Ring)
	44	D3006	withdrawn	Testing Standard for Spare Parts of Automobiles (Piston, Pin And Brass Bushing)
	45	D3007	withdrawn	Testing Standard for Spare Parts of Automobiles (Steel Plate)
	64	D3008	withdrawn	Testing Standard for Spare Parts of Automobiles (Fits of STEEL Plate)
	69	D3009	withdrawn	Testing Standard for Spare Parts of Automobiles (Main Pin and Brass Bushing)
	70	D3010	withdrawn	Testing Standard for Spare Parts of Automobiles (Cylinder sleeve)
	91	D3011	withdrawn	Testing Standard for Spare Parts of Automobiles (Connecting Rod Bolt, Cylinder Head Screw, Main Bearing Screw and Screw for Wheel Line)
	1129	D3012	withdrawn	Method of test for internal combustion engines of motorcycles
	2731	D3013	1997-10	General rules of running test methods for automobiles
*	2733	D3014	2000-10	Method of test for fuel consumption for gasoline passenger cars
*	2734	D3015	1989-04	Method of Brake Test for Automobiles
	2735	D3016	1997-10	Method of acceleration test for automobiles
*	2736	D3017	1994-11	Method of Coastdown Test for Automobiles
	2737	D3018	2010-06	Measurement of the maximum speed for motor vehicles
	2738	D3019	1989-04	Method of Steep Hill Climbing Test for Automobiles
	2739	D3020	1989-04	Method of Long Hill Climbing Test for Automobiles
	2740	D3021	1989-04	Method of Traction Test for Automobiles
	2741	D3022	1989-04	Method of Sand Ground Test for Automobiles
	2742	D3023	1989-04	Method of Starting Test for Automobiles
	2743	D3024	1989-04	Method of Driving Test for Automobiles
	2744	D3025	1989-04	Method of Disassembly Inspection for Automobiles
	2745	D3026	1968-08	Method of Test for Diesel Engines of Automobiles
	2946	D3027	withdrawn	Method of Test for Automotive Lamp Bulbs
	3103	D3028	1988-05	General Rules of Running Test Method for Motorcycles
*	3105	D3029	2001-06	Method of test for fuel consumption for motorcycles
*	3106	D3030	1988-05	Method of Brake Test for Motorcycles
*	3107	D3031	1988-05	Method of Acceleration Test for Motorcycles
*	3108	D3032	1988-05	Method of Coasting Test for Motorcycles
	3110	D3033	withdrawn	Method of Test for Noise Emitted by Motorcycles
	3111	D3034	1988-05	Method of Hill Climbing Test for Motorcycles
*	3112	D3035	1988-05	Method of Driving Test for Motorcycles
	3113	D3036	withdrawn	Method of acoustic test for horns for motorcycles
	3973	D3037	withdrawn	Method of test for seat belts for automobiles (→CNS 3972)
	4119	D3038	withdrawn	Method of test of seat belt retractors for automobiles (→CNS 3972)
*	4760	D3039	1988-05	Method of Maximum Speed Test of Motorcycles
	4983	D3040	withdrawn	Method of Test for Warning Reflex Reflectors for Automobiles

CNS no.	Category no.	Date of		Title
		Current edition		
5120	D3041	1986-06		Method of Test for Condensers of Automobiles
5319	D3042	1987-10		Mounting Dimensions of Alternators for Automobiles
5320	D3043	1987-10		Mounting Dimensions of Distributors for Automobiles
5321	D3044	1987-10		Mounting Dimensions of Starting Motors for Automobiles
5322	D3045	1987-10		Mounting Dimensions of DC Generators for Automobiles
*	5433	D3046	1994-11	Method of Test for Hydraulic Trolley Jacks for Automobiles
	5434	D3047	1989-07	Method of Test for High and Low Temperature for Automobile Parts
	5436	D3048	1992-06	Method of Performance Test for Insulated Bodies of Insulated or Refrigerated Vehicles
	5437	D3049	1989-07	Method of Test for Exhaust Mufflers for Automobiles
*	5562	D3050	withdrawn	Measuring method of carbon monoxide in automobile exhaust gas (Idling)
	5563	D3051	withdrawn	Method of dynamic test of seat belts for automobiles (→CNS 3972)
	5564	D3052	1987-10	Rated Output and Its Test Methods for Automobile Generators
	5565	D3053	1987-10	Testing Voltages for Automotive Electric Equipment
	5651	D3054	1989-07	Method of Test for Fuel Filter for Automobiles
	5652	D3055	withdrawn	Lube oil filter performance test for automobile
	5776	D3056	withdrawn	Method of test for electric horns for automobiles
	5777	D3057	withdrawn	Method of test for air pumps for vehicles
*	5799	D3058	2016-06	Test method for noise level of motor vehicles
	6163	D3059	withdrawn	Test code of oxidation catalytic converters for automobiles
	6164	D3060	withdrawn	Methods of test simplified carbon monoxide testers for automobiles
	6168	D3061	1987-10	Method of Test for Spark Plugs for Automobiles
	6169	D3062	1987-10	Method of Test for Alternators for Automobiles
	6170	D3063	1987-10	Method of Test for DC Generators of Automobiles
	6171	D3064	1987-10	Method of Test for Starting Motors of Automobiles
	6665	D3065	1986-11	Performance Inspection of Turn Signal Switches for Automobiles
	6812	D3066	1987-03	Method of Test for Hot Water Heaters of Automobiles
	7137	D3067	1997-10	Sine-vibration testing method for automobile parts
	7138	D3068	2012-12	Method of moisture,rain and spray tests for vehicle parts
	7139	D3069	1981-03	General Rules of Dust Test for Automobile Parts
	7665	D3070	1981-07	Test Code of Air Cooled Gasoline Engines for Automobiles
	7666	D3071	1981-07	Test Code of Water Cooled Gasoline Engine for Automobiles
	7672	D3072	withdrawn	Measuring method of automobile interior dimensions
	7673	D3073	withdrawn	Measuring method of automobile exterior dimensions
	7884	D3074	2007-08	Lighting and signalling devices for vehicles
	7885	D3075	withdrawn	Method of Test for Reflex of Automobiles (→CNS 7 8 8 4)
*	7886	D3076	withdrawn	Method of Photometric Test for Lighting and Signaling Equipment for Automobiles
	7895	D3077	2001-06	Method of exhaust emission test for gasoline automobiles
	7896	D3078	1986-06	Method of Test for Distributors of Automobiles
	7897	D3079	withdrawn	Method of test for automobile air conditioners
	7977	D3080	1981-10	Method of Test for Rubber Bellows of Air Spring
	8234	D3081	1986-07	Method of Test for Main Power Take-off Performance of Agricultural Tractors
	8236	D3082	1986-07	Method of Test for Turning Performance of Agricultural Tractors
	8240	D3083	1988-12	General Rules of Test Code of Carburetors for Automobiles
	8241	D3084	1988-12	Method of Starting Test of Carburetors for Automobiles
	8242	D3085	1988-12	Method of Warm-up Test of Carburetors for Automobiles
	8243	D3086	1988-12	Method of No-Load Test of Carburetors for Automobiles
	8244	D3087	1988-12	Method of Load Test of Carburetors for Automobiles
	8245	D3088	1988-12	Method of Incline Test of Carburetors for Automobiles
	8246	D3089	1988-12	Method of Hot Soak Test of Carburetors for Automobiles
	8247	D3090	1988-12	Method of Low Temperature Test of Carburetors for Automobiles
	8248	D3091	1988-12	Method of Altitude Test of Carburetors for Automobiles
	8249	D3092	1988-12	Method of Urban Driving Test of Carburetors for Automobiles
	8250	D3093	1989-01	Method of Acceleration Test of Carburetors for Automobiles

Date of				
CNS no.	Category no.	Current edition	Title	
8251	D3094	1989-01	Method of Deceleration Test of Carburetors for Automobiles	
8252	D3095	1989-01	Method of Cornering Test of Carburetors for Automobiles	
8253	D3096	1989-01	Method of Rough Road Test of Carburetors for Automobiles	
8254	D3097	1989-01	Method of Exhaust Gas Test of Carburetors for Automobiles	
8255	D3098	1989-01	Method of Flowbench Test of Carburetors for Automobiles	
8256	D3099	1989-01	Method of Accelerate Pump Test of Carburetors for Automobiles	
8257	D3100	1989-01	Method of Automatic Devices Test of Carburetors for Automobiles	
8258	D3101	1989-01	Method of Operating Part Test of Carburetors for Automobiles	
8259	D3102	1989-01	Method of Fuel Leakage Test of Carburetors for Automobiles	
8260	D3103	1989-01	Method of Endurance Test of Carburetors for Automobiles	
8484	D3104	1985-02	Method of Test for Control Cables for Automobiles	
8485	D3105	1985-02	Method of Test for Control Cables for Motor-Cycle	
8563	D3106	1982-03	Simulated Mountain Brake Fade – Test Procedure	
8564	D3107	1982-03	Simulated Mountain Fade Test Procedure –Dynamometer	
8565	D3108	1982-03	Braking Device Dynamometer Test Procedure – Passenger Car	
8566	D3109	1986-10	Method of Test for Air Brakes of Automobiles	
8567	D3110	1986-10	Air Brake Performance Requirements for Automobiles	
8674	D3111	1987-06	Method of Test for Clutch Cover Assemblies for Automobiles	
8676	D3112	1987-06	Method of Test for Clutch Disk Assemblies for Automobiles	
8677	D3113	1982-04	Method of Bench Performance Test for Clutch for Automobiles	
8678	D3114	1993-05	Method of Service Brake Road Test for Truck and Buss	
8679	D3115	1993-05	Method of Service Brake Road Test for Performance Requirements for Truck and Bus	
8680	D3116	1993-05	Method of Braking Device Dynamometer Test for Truck and Bus	
8807	D3117	2009-07	Behavior of the steering system of automobiles in the event of collision	
8808	D3118	1997-05	Method of test for minimum turning radius for automobiles	
8809	D3119	1982-05	Test Procedure for Cornering Performance for Passenger Car	
8810	D3120	1982-05	Test Procedure for Steering Efforts (in Cornering) for Automobiles	
8811	D3121	1982-05	Test Procedure for Static Steering Efforts for Automobiles	
*	8813	D3122	1993-01	Method of Test for Brake Shoe Assembly of Motorcycles
8944	D3123	1991-10	Method of Test for Tyre Valves for Automobiles	
8945	D3124	1982-06	Method of Performance Test for Windshield Defrosting and Defogging Systems for Passenger Cars	
8946	D3125	1982-06	Method of Performance Test for Windshield Defrosting and Defogging Systems for Trucks	
8948	D3126	1986-06	Method of Test for Fuse Box for Automobiles	
8950	D3127	1986-06	Method of Test for Fuse of Automobiles	
8951	D3128	1982-06	Heat Dissipation Test Code of Radiators for Automobiles	
8958	D3129	withdrawn	Method of test for engine valves for motorcycle	
*	9171	D3130	1986-02	Method of Test for Telescopic Shock Absorbers for Automobiles
9244	D3131	1982-08	Pylon Course Slalom Test Procedure for Automobiles	
9245	D3132	1982-08	Lane Change Test Procedure for Passenger Car and Light Trailer Combinations	
9246	D3133	1982-08	Cornering Performance Test Procedure for Passenger Car and Light Trailer Combinations	
9247	D3134	1982-08	Pylon Slalom Test Procedure for Passenger Car and Light Trailer Combination	
9248	D3135	1998-04	Method of performance test for steering column of automobiles	
9249	D3136	1982-08	Bench Test Procedure for the Performance of Integral Type Power Steering for Automobiles	
9252	D3137	withdrawn	Method of Test for Physical Properties of Friction Materials for Automobiles	
9372	D3138	withdrawn	Method of test of air clearers for automobiles	
9373	D3139	withdrawn	Method of test of fuel filters for automobile diesel engines	
9379	D3140	1986-11	Method of Test for Low Voltage Aluminum Cables for Automobiles	
9382	D3141	1988-01	Method of Test for Multi-Connectors for Automotives	

CNS no.	Category no.	Date of		Title
		Current edition		
9384	D3142	1988-01		Method of Test for Multi-Connectors Use in Electronics and Waterproof for Automotives
9387	D3143	1982-09		Service Brake Curved Road Test Procedure for Combinations
9388	D3144	1982-09		Service Brake Road Test Procedure for Combinations
9389	D3145	1982-09		Service Brake Road Test Performance Requirements for Combinations
9480	D3146	2023-02		Tyres – Coast-by methods for measurement of tyre-to-road sound emission
9481	D3147	2010-01		Test methods for measuring tyre uniformity
9596	D3148	1986-02		Method of Test of Strength for Automobile Suspension Springs
9598	D3149	1982-11		Method of Rigidity Test for Front Axles for Automobiles
9853	D3150	withdrawn		Test code of truck cranes, wheel cranes and crawler cranes
9987	D3151	1983-02		Method of Test for Blind Rivets for Automobiles
9990	D3152	1983-02		Method of Performance Test for Oil Seals for Automobiles
10156	D3153	1986-11		Method of Test for Backup Alarm for Automobiles
10162	D3154	1983-04		Method of Test for Metal Tubes and Tubing for Automobiles
10333	D3155	1986-10		Method of Test for Nylon Tubes for Air Brake Piping of Automobiles
10652	D3156	1983-11		Air Servo and Vacuum Servo Brake Performance Requirements
10653	D3157	1983-11		Air Servo and Vacuum Servo Brake Test Procedure
*	10703	D3158	1993-12	Method of Pendulum Impact Test for Bumpers of Passenger Cars
*	10704	D3159	1983-12	Method of Test for Front Light Aiming of Automobiles
*	10706	D3160	1983-12	Method of Test for the Plastic Bumpers of Passenger Cars
	10707	D3161	1983-12	Method of Test for Hood Latch System of Automobiles
	10708	D3162	withdrawn	Method of test for side door lock systems of automobiles (→CNS 7681)
	10713	D3163	1983-12	Method of Service Brake Test for Automobiles – on Brake Tester
	10800	D3164	withdrawn	Method of test of fuel filters of automotive gasoline engines
*	11386	D3165	1992-07	Method of Test for Exhaust Pollution for Motorcycles
*	11496	D3166	1987-09	Method of Test for Positive Crankcase Ventilation System for Gasoline Engine Automobiles
	11498	D3167	withdrawn	Method of test for child restraints for automobiles
*	11499	D3168	withdrawn	Method of test for wiper blades and wiper arms for automobile( → CNS 6322 )
	11530	D3169	1986-04	Method of Test for Stability of Counterbalanced Fork Lift Truck
	11531	D3170	1986-04	Method of Test for Stability of Reach Fork Lift Trucks and Straddle Fork Lift Trucks
	11532	D3171	1986-04	Method of Test for Stability of Side Fork Lift Trucks
	11533	D3172	1986-04	Method of Test for Stability of Order Picking Trucks
*	11534	D3173	1987-09	Method of Test for Evaporative Emission Control System for Gasoline Engine Automobiles
*	11644	D3174	2002-05	Method of test for exhaust smoke under no load and rapid acceleration for diesel automobiles
*	11645	D3175	2002-05	Method of test for exhaust smoke under full load and steady speed for diesel automobiles
	12172	D3176	1987-12	Method of Test of Rusting at Material Interfaces for Disc Brake Pads of Automobiles
	12173	D3177	2005-07	Test method for brake linings compressibility strain of automobiles
	12174	D3178	1987-12	Method of Test of Seizure to Ferrous Mating Surface Due to Corrosion for Brake Linings and Pads of Automobiles
	12175	D3179	2005-07	Test method for brake linings material shear strength of automobiles
	12176	D3180	1987-12	Method of Test of Thermal Expansion for Brake Linings and Pads of Automobiles
	12177	D3181	1987-12	Method of Test of Thermal Expansion with Heating Plate for Disc Brake Pads of Automobiles
	12178	D3182	1987-12	Method of Test of Specific Gravity for Brake Linings and Pads of Automobiles
	12179	D3183	1987-12	Method of Test of Porosity for Brake Linings and Pads of

CNS no.	Category no.	Date of		Title
		Current edition		
				Automobiles
12299	D3184	1988-05		Method of Test for Exhaust Smoke under Noload and Acceleration Conditions for Motorcycles
12567	D3185	1989-07		Method of Test for Exhausts Concentration for Gasoline Engine Automobiles
*	12626	D3186	1992-12	Method of Test for Electronic Taximeter
	12656	D3187	1990-01	Method of Test for Fuel Pumps Diaphragms for Automobiles
	12985	D3188	1992-06	Method of Steady State Circular Test for Passenger Cars
	13060	D3189	1992-11	Road Vehicle-Techniques of Measurement in Impact Test-Instrumentation
	13096	D3190	1992-12	Roof Crush Test Procedure for Passenger Cars
	13097	D3191	1992-12	Side Door Strength Test Procedure for Passenger Cars
	13307	D3192	withdrawn	Method of test for door hinges of automobiles (→CNS 7681)
	13308	D3193	1993-12	Method of Test for Fifth Wheel Coupling Pins of Semi-trailers
	13376	D3194	2005-07	Test method for brake linings shear strength of automobiles disc brake pad and drum brake shoe assemblies
*	13387	D3195	1994-05	Method of Test for Flammability of Interior Materials for Automobiles
	13440	D3196	1994-11	Calculation Tilt Stability for Automobiles
	13441	D3197	1994-11	Method of Test of Tilt Stability for Automobiles
	13953	D3198	1997-10	Method of test for hydraulic brake systems
	14128	D3199	1998-04	Method of impact test for instrument panel of passenger cars
	14129	D3200	1998-04	Method of random vibration test for vehicle parts
*	14410	D3201	2004-01	Test methods of exhaust system exposed surface temperature for motorcycles
	14579	D3202	withdrawn	Method of test for fuel leakage in case of collisions for passenger cars
	14579-1	D3202-1	2009-07	Method of test for prevention of fire for automobiles – Part 1: Fuel tanks
	14579-2	D3202-2	2009-07	Method of test for prevention of fire for automobiles – Part 2: In the event of collision for passenger cars
	14580	D3203	2009-07	Method of test for passenger car frontal collision
	14581	D3204	2009-07	Method of test for passenger car rear-end collision
	15263	D3205	2009-07	Method of test for light duty vehicle lateral collision
	15481-1	D3206-1	2011-09	Road vehicles - Environmental conditions and testing for electrical and electronic equipment - Part 1: General
	15481-2	D3206-2	2011-09	Road vehicles - Environmental conditions and testing for electrical and electronic equipment - Part 2: Electrical loads
	15481-3	D3206-3	2011-09	Road vehicles - Environmental conditions and testing for electrical and electronic equipment - Part 3: Mechanical loads
	15481-4	D3206-4	2011-09	Road vehicles - Environmental conditions and testing for electrical and electronic equipment - Part 4: Climatic loads
	15481-5	D3206-5	2011-09	Road vehicles - Environmental conditions and testing for electrical and electronic equipment - Part 5: Chemical loads
	15491-1	D3207-1	withdrawn	Electric motorcycles with secondary lithium batteries – Performance test methods – Part 1: Hill climbing ability test
	15491-2	D3207-2	withdrawn	Electric motorcycles with secondary lithium batteries – Performance test methods – Part 2: Maximum speed test
	15491-3	D3207-3	withdrawn	Electric motorcycles with secondary lithium batteries – Performance test methods – Part 3: Acceleration ability test
	15491-4	D3207-4	withdrawn	Electric motorcycles with secondary lithium batteries – Performance test methods – Part 4: Range ability test
	15491-5	D3207-5	withdrawn	Electric motorcycles with secondary lithium batteries – Performance test methods – Part 5: Accelerated durability test
	15491-6	D3207-6	withdrawn	Electric motorcycles with secondary lithium batteries – Performance test methods – Part 6: Tests of indication for the state of charge
	15491-7	D3207-7	withdrawn	Electric motorcycles with secondary lithium batteries – Performance test methods – Part 7: Electromagnetic compatibility test

CNS no.	Category no.	Date of		Title
		Current edition		
15491-8	D3207-8	withdrawn		Electric motorcycles with secondary lithium batteries – Performance test methods – Part 8: Specific safety requirements and test
15514	D3208	2011-10		Electric road vehicles – Vocabulary
15515-1	D3209-1	2013-10		Electrically propelled road vehicles – Test specification for lithium-ion traction battery packs and systems – Part 1: High-power applications
15515-2	D3209-2	2013-10		Electrically propelled road vehicles – Test specification for lithium-ion traction battery packs and systems – Part 2: High-energy applications
15515-3	D3209-3	2013-10		Electrically propelled road vehicles – Test specification for lithium-ion traction battery packs and systems – Part 3: Safety performance requirements
15775	D3210	2015-01		Acoustics - Specification of test tracks for measuring noise emitted by road vehicles and their tyres
15818	D3211	2015-07		Electric motorcycles - Vocabulary
15819	D3212	2015-07		Electric motorcycles - Performance test methods - General rules
15819-1	D3212-1	2015-07		Electric motorcycles - Performance test methods - Part 1: Hill climbing ability tests
15819-2	D3212-2	2018-12		Electric motorcycles – Performance test methods – Part 2: Maximum speed tests
15819-3	D3212-3	2015-07		Electric motorcycles - Performance test methods - Part 3: Accelerated ability tests
15819-4	D3212-4	2015-07		Electric motorcycles - Performance test methods - Part 4: Range ability and reference energy consumption tests
15819-5	D3212-5	2015-07		Electric motorcycles - Performance test methods - Part 5: Accelerated durability tests
15819-6	D3212-6	2015-07		Electric motorcycles - Performance test methods - Part 6: Tests of indication for the state of charge
15819-7	D3212-7	2015-07		Electric motorcycles - Performance test methods - Part 7: Electromagnetic compatibility tests
15820-1	D3213-1	2015-07		Electric motorcycles – Safety specifications – Part 1: Functional safety
15820-2	D3213-2	2015-07		Electric motorcycles - Safety specifications - Part 2: Protection against hydrogen hazards for motorcycles fuelled with compressed hydrogen
15820-3	D3213-3	2015-07		Electric motorcycles – Safety specifications - Part 3: Specific safety requirements and tests

## Tools

*	4074	D4001	2002-03	Portable hydraulic jacks for automobiles
*	4075	D4002	1985-07	Hydraulic Garage Jacks for Automobiles
*	4076	D4003	1994-11	Portable Screw Jacks for Automobiles
*	4077	D4004	1977-04	Lifts for Automobiles
*	4078	D4005	withdrawn	Automobile series specification for vehicle lifts
*	5432	D4006	1994-11	Hydraulic Trolley Jacks for Automobiles
	8389	D4007	1985-07	Airlifts for Automobiles
	8817	D4008	1982-05	Wheel Nut Wrenches for Automobiles
	9845	D4009	2003-05	Reflection type smokemeters for diesel automobiles
	9846	D4010	1995-04	Light Extinction Type Smokemeters for Diesel Automobiles
	10249	D4011	1983-05	Fishing Tool for Pneumatic Tire Valve for Automobiles
	10621	D4012	1991-10	Tyre Gauges for Automobiles
	10742	D4013	1984-01	Head Lamp Testing Machines
	10743	D4014	1984-01	Headlamp Aiming Device for Mechanically Aimable Sealed Beam Headlamp Units

CNS no.	Category no.	Date of Current edition	Title
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## Materials

*	1150	E1001	2014-09	Light rails
	1412	E1002	withdrawn	Wooden Sleeper (for Export)
	2519	E1003	1996-10	Railway Sleeper (for 1067 mm gauge)
	2664	E1004	1966-09	Sleeper Boards for 37kg Rails
	2665	E1005	1972-06	Anticreeper (for Railway)
	2787	E1006	1996-10	Fish plates for rails
	2788	E1007	1996-10	Fish plates for light rails
	3268	E1008	1971-07	Steel Rails
	7033	E1009	withdrawn	Spring washers for fish plate
	7981	E1010	1981-10	Bow-type Handles for Rail Vehicles
	8959	E1011	withdrawn	Bushes for rail vehicles; press-fit bushes (pressed on) of steel
	8960	E1012	withdrawn	Bushes for rail vehicles; press-fit bushes of steel
	9694	E1013	1982-12	Air Brake Hose for Railway Rolling Stock
	9695	E1014	1982-12	Conductor's Valves for Railway Rolling Stock
	9696	E1015	1982-12	Air Reservoirs for Railway Rolling Stock
	9697	E1016	1982-12	Brake Pipe Air Strainers for Railway Rolling Stock
	9698	E1017	1982-12	Jumper Couplers
	9699	E1018	1982-12	Automatic Couplers
	9700	E1019	1982-12	Alloy Steel Castings for Automatic Couplers
	9701	E1020	1982-12	Tight Lock Couplers for Railway Rolling Stock
	9702	E1021	1982-12	Rubber Draft Gears for Railway Rolling Stock
	9703	E1022	1982-12	Rubber Material for Draft Gears of Railway Rolling Stock
	9993	E1023	1983-02	General Rules of Rubber Vibration Isolators for Railway Rolling Stock
	9994	E1024	1983-02	Rubber Vibration Isolators for Axle and Bolster Springs of Railway Rolling Stock
	9995	E1025	1983-02	Rubber Vibration Isolators for Bolster Anchors of Railway Rolling Stock
	9996	E1026	1983-02	Rubber Vibration Isolators for Journal Bearing Thrust Bearers of Railway Rolling Stock
	9997	E1027	1983-02	Rubber Vibration Isolators for Side Bearers of Railway Rolling Stock
	10066	E1028	1983-03	Rubber Vibration Isolators for Oil Dampers of Railway Rolling Stock
	10067	E1029	1983-03	Rubber Vibration Isolators for Main Motor and Driving Gear Suspensions of Railway Rolling Stock
	10068	E1030	1983-03	Rubber Vibration Isolators for Diesel Engine Suspensions of Railway Rolling Stock
	10069	E1031	1983-03	Rubber Vibration Isolators for Attached Equipment Suspensions of Railway Rolling Stock
	10070	E1032	1983-03	Rubber Vibration Isolators for Stoppers of Railway Rolling Stock
	10494	E1033	1983-08	Carbon Steel Tyres for Railway Rolling Stock
	11198	E1034	1985-02	Magnet Valves for Railway Rolling Stock
	11199	E1035	1985-02	Pneumatic Window Wipers for Railway Rolling Stock
	11200	E1036	1985-02	Leveling Valves for Railway Rolling Stock
	11202	E1037	1985-02	Axle Boxes for Railway Rolling Stock
	11203	E1038	1985-02	Dust Guards for Plain Bearing Axle Boxes of Railway Rolling Stock
	11204	E1039	withdrawn	Plain bearings for railway rolling stock
	11205	E1040	1985-02	Oil Seals for Railway Rolling Stock
	11278	E1041	1996-10	End-hardened Rails
	11279	E1042	1985-06	Heat-treated Rails
	11280	E1043	1985-06	Axles for Railway Rolling Stock
	11281	E1044	1985-06	Clevis Ping with Head for Railway Rolling Stock
	11282	E1045	1985-06	Bushes for Railway Rolling Stock
	11283	E1046	1985-06	Split Cotters for Railway Rolling Stock
	11284	E1047	1985-06	5 kgf/cm <sup>2</sup> Bronze Stop Valves for Railway Rolling Stock
	11406	E1048	1985-11	Wheel Sets for Railway Rolling Stock

CNS no.	Category no.	Date of		Title
		Current edition		
11407	E1049	1985-11		Solid Rolled Carbon Steel Wheels for Railway Rolling Stock
11408	E1050	1995-11		Three-way Cocks for Railway Rolling Stock
11409	E1051	1995-11		Angle Cocks for Railway Rolling Stock
11410	E1052	1995-11		Cut-out Cocks for Railway Rolling Stock
11411	E1053	1995-11		Drain Cocks for Railway Rolling Stock
11412	E1054	1995-11		Cut-out Cocks with Side Vent for Railway Rolling Stock
11413	E1055	1985-11		Screwed Type Pipe Fittings for Railway Rolling Stock
14566	E1056	2001-08		Sleeper screws (Screw spikes)
14568	E1057	2001-08		Steel track bolts and nuts
14625	E1058	2002-03		Spring steel washers for railway
14626	E1059	2015-12		Cast manganese steel crossings for switch and crossing work
14678	E1060	2002-09		Coaches-windows made from glass
14827	E1061	2004-07		Profiles of 60kg steel rails
14828	E1062	2004-07		Profiles of 54kg steel rails
14829	E1063	2004-07		Helical compression springs for rolling stocks
14930	E1064	2005-07		Doors, entrance platforms, windows, steps, handles and handrails of coaches and luggage vans
15219	E1065	2009-01		Rails
15220	E1066	2009-01		Rail seat pads
16133	E1067	2020-08		Railway applications – Track – Switches and crossings – Part 4: Actuation, locking and detection
16143-2	E1068-2	2020-11		Railway applications – Track – Performance requirements for fastening systems – Part 2: Fastening systems for concrete sleepers
16143-5	E1068-5	2022-08		Railway applications – Track – Performance requirements for fastening systems – Part 5: Fastening systems for slab track with rail on the surface or rail embedded in a channel

## Testing and Inspection

8261	E2001	1982-01		Method of Weight Measurement for Railway Rolling Stock
8262	E2002	1983-02		Methods of Noise Test Inside Railway Rolling Stock
8263	E2003	1982-01		Methods of Waterproof Test for Railway Rolling Stock
8264	E2004	withdrawn		Vibration test methods for parts of railway rolling stock (replaced by CNS 61373)
8265	E2005	withdrawn		Shock test methods for parts of railway rolling stock(replaced by CNS 61373)
8486	E2006	1982-02		General Rules for the Inspection of Diesel Railcar on Completion of Construction
10495	E2007	1983-08		Hammering Test Device of Carbon Steel Tyres for Railway Rolling Stock
11813	E2008	1987-01		Method of Test for Air Compressors for Railway Rolling Stock
14567	E2009	2001-08		Method of test for sleeper screws
14569	E2010	2001-08		Method of test for steel track bolts and nuts
16075-1	E2011-1	2018-10		Railway applications – Track-rail – Part 1: Vignole railway rails 46 kg/m and above
61377	E2012	2021-03		Railway applications – Rolling stock – Combined test method for traction systems
16163-2	E2013-2	2022-05		Railway applications – Air conditioning for urban and suburban rolling stock – Part 2: Type tests
16156-2	E2014-2	2021-12		Railway applications – Air conditioning for driving cabs – Part 2: Type tests
16175-1	E2015-1	2022-08		Railway applications – Track – Test methods for fastening systems – Part 1: Determination of longitudinal rail restraint
16175-2	E2015-2	2023-02		Railway applications – Track – Test methods for fastening systems – Part 2: Determination of torsional resistance
16175-3	E2015-3	2023-02		Railway applications – Track – Test methods for fastening systems – Part 3: Determination of attenuation of impact loads
16175-7	E2015-7	2022-08		Railway applications – Track – Test methods for fastening systems – Part 7: Determination of clamping force and uplift stiffness



CNS no.	Category no.	Date of		Title
		Current edition		
16175-8	E2015-8	2022-08		Railway applications – Track – Test methods for fastening systems – Part 8: In service testing
16175-10	E2015-10	2023-02		Railway applications – Track – Test methods for fastening systems – Part 10: Proof load test for pull-out resistance
<b>General</b>				
8487	E3001	1982-02		Design Methods of Arc Welded Joints for Railway Rolling Stock
8488	E3002	withdrawn		Design methods of spot welded joints for railway rolling stock
8489	E3003	2016-06		Composite brake blocks for railway rolling stock
8490	E3004	1982-02		Strength Design Methods of Axles for Railway Rolling Stock
10802	E3005	1984-03		Single-Start and Double-Start Trapezoidal Screw Thread with Clearance for Railway Rolling Stock (Theoretical Values)
10803	E3006	withdrawn		Single-start and double-start trapezoidal screw threads with clearance for railway rolling stock (thread limits and allowances, permissible manufacturing variations and permissible wear on screw
11201	E3007	1985-02		Bourdon Tube Pressure Gauges for Railway Rolling Stock
13993	E3008	1997-12		Glossary of terms for railway rolling stock
13994	E3009	1997-12		Glossary of terms for railway signaling
13995	E3010	1997-12		Glossary of terms for electric overhead contact lines-fittings
13996	E3011	1997-12		Glossary of terms for permanent way
13997	E3012	1997-12		Glossary of terms for railway-turnouts and crossing
14942	E3013	2005-09		Electric lighting of passenger stock
15768	E3014	2020-11		Railway applications – Rolling stock – Testing of rolling stock on completion of construction and before entry into service
15969	E3015	2017-02		Structural requirements of railway vehicle bodies of the locomotives and passenger rolling stock
15972	E3016	2017-03		Disc brakes and their application for railway rolling stock
16108-1	E3017-1	2019-09		Railway applications – Fire protection on railway vehicles – Part 1 : General
16108-2	E3017-2	2019-09		Railway applications – Fire protection on railway vehicles – Part 2 : Requirements for fire behaviour of materials and components
61373	E3018	2019-10		Railway applications – Rolling stock equipment – Shock and vibration tests
16129-1	E3019-1	2020-03		Railway applications – Welding of railway vehicles and components – Part 1: General
16129-2	E3019-2	2020-03		Railway applications – Welding of railway vehicles and components – Part 2: Quality requirements and certification of welding manufacturer
16129-3	E3019-3	2020-03		Railway applications – Welding of railway vehicles and components – Part 3: Design requirements
16129-4	E3019-4	2020-03		Railway applications – Welding of railway vehicles and components – Part 4 : Production requirements
16129-5	E3019-5	2020-03		Railway applications – Welding of railway vehicles and components – Part 5: Inspection, testing and documentation
62498-1	E3020-1	2023-02		Railway applications – Environmental conditions for equipment – Part 1: Rolling stock and on-board equipment
62498-3	E3020-3	2020-08		Railway applications – Environmental conditions for equipment – Part 3: Equipment for signalling and telecommunications
16134	E3021	2020-08		Railway applications – Rolling stock – Electronic equipment
62928	E3022	2021-03		Railway applications – Rolling stock – Onboard lithium-ion traction batteries
61881-3	E3023-3	2021-03		Railway applications – Rolling stock equipment – Capacitors for power electronics – Part 3: Electric double-layer capacitors
16149	E3024	2021-03		Railway applications – Wheelsets and bogies – Method of specifying the structural requirements of bogie frames
16150	E3025	2021-03		Railway applications – Bodyside entrance systems for rolling stock
61375-2-4	E3026-2-4	2021-12		Electronic railway equipment – Train communication network (TCN) – Part 2-4 : TCN application profile

CNS no.	Category no.	Date of		Title
		Current edition		
62280	E3027	2021-12		Railway applications – Communication, signalling and processing systems – Safety related communication in transmission systems
16155-1	E3028-1	2021-12		Railway applications – Braking – Mass transit brake systems – Part 1: Performance requirements
16155-2	E3028-2	2021-12		Railway applications – Braking – Mass transit brake systems – Part 2: Methods of test
62236-3-1	E3029-3-1	2022-05		Railway applications – Electromagnetic compatibility – Part 3-1: Rolling stock – Train and complete vehicle
62236-3-2	E3029-3-2	2022-05		Railway applications – Electromagnetic compatibility – Part 3-2: Rolling stock – Apparatus
16164-1	E3030-1	2022-05		Railway applications – Compatibility between rolling stock and train detection systems – Part 1: General
62912	E3031	2022-05		Railway applications – Direct current signalling monostable relays of type N and type C
16194	E3032	2023-01		Railway applications – Crashworthiness requirements for rail vehicles

## F Shipbuilding Engineering

Shipbuilding  
Engineering

	CNS no.	Category no.	Date of Current edition	Title
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### Testing and Inspection

*	2316	F1001	1964-07	Testing Standard of Small Internal Combustion Engines for Marine Use
	2700	F1002	1996-12	Wooden Ship Spikes
	3004	F1003	1983-04	Shop Test Code of Marine Internal Combustion Engine for Propelling Use
	3304	F1004	1971-10	Testing Standard for Performance of Internal Combustion Engines for Marine Use
*	3913	F1005	1983-03	Method of Test for Search Lights of Marine Use
	3914	F1006	1983-03	General Rules for Inspection of Marine Valves and Cocks
	3938	F1007	withdrawn	Method of Test for Anchors (→CNS 3 9 3 7)
	10630	F1008	withdrawn	Methods for testing of inflatable lifejackets for marine use (for adult) (→CNS10629)
	10856	F1009	1984-04	General Rules for Environmental Tests of Control and Instrumentation Equipment for Marine Use
	11502	F1010	withdrawn	Method of test for lifebuoys (→CNS11501)
	11504	F1011	withdrawn	Method of test for lifebuoy self-igniting lights (→CNS11503)
	11506	F1012	withdrawn	Method of test for lifejacket lights (→CNS11505)
	11519	F1013	withdrawn	Method of test for non-inflatable lifejackets for marine use (→CNS11518)
	11832	F1014	withdrawn	Method of test for immersion suit for marine use (→CNS11831)
	11834	F1015	withdrawn	Method of test for thermal protective aids for survival crafts (→CNS11833)
	12768	F1016	withdrawn	Method of test for lifebuoy self-activating smoke signal for marine use (→CNS12767)
	12770	F1017	1990-08	Method of Test for Buoyant Smoke Signal for Marine Use
	12772	F1018	withdrawn	Method of test for hand flares for marine use (→CNS12771)
	12774	F1019	withdrawn	Method of test for rocket parachute flares for marine use (→CNS12773)

### Materials

*	3064	F2001	1970-05	Round Reinforced Window Glass for Marine Use
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### Tools and Machines

1102	F3001	1992-03	Saws for Shipfitter
2145	F3002	withdrawn	Classification of Small Internal Combustion Engines for Marine Use
3808	F3003	1988-05	Cast Iron Globe Valves for Marine Use (5 k g f / c m <sup>2</sup> )
3809	F3004	1986-03	Cast Iron Angle Valves for Marine Use (5 k g f / c m <sup>2</sup> )
3810	F3005	1988-05	Cast Iron Screw-Down Check Globe Valves for Marine Use (5 k g f / c m <sup>2</sup> )
3811	F3006	1986-03	Cast Iron Gate Valves for Marine Use (5 k g f / c m <sup>2</sup> )
3812	F3007	1986-03	Cast Iron Gate Valves for Marine Use (10 k g f / c m <sup>2</sup> )
3813	F3008	1986-03	Cast Iron Screw-down Check Angle Valves for Marine Use (10 k g f / c m <sup>2</sup> )
3814	F3009	1986-03	Cast Steel Vertical Storm Valves for Marine Use
3815	F3010	withdrawn	Extruded aluminium rectangular windows for ships
3816	F3011	1986-03	Aluminium Alloy Side Scuttles for Marine Use
3817	F3012	1986-03	Non-Opening Rectangular Windows for Marine Use
3912	F3013	withdrawn	Search lights for marine use
3937	F3014	1996-12	Anchors
5209	F3015	1983-03	Small Size Snatch Blocks for Ships
5210	F3016	1980-02	Ships' Block Sheaves
5325	F3017	1980-03	Hatch Locking Bars
5326	F3018	1980-03	Hatch Cleats
5327	F3019	1983-03	Hatch Battens

		Date of		
CNS no.	Category no.	Current edition	Title	
5328	F3020	1980-03	Hatch Wedges	
5329	F3021	1983-03	Wall Ventilators for Ships	
5330	F3022	1980-03	Ships' Wooden Handrails	
5331	F3023	1983-03	Handrail Stanchions for Ships	
5332	F3024	1980-03	Ships' Hand Steering Wheels	
5333	F3025	1980-03	Mooring Pipes	
5334	F3026	1997-06	Bollards	
5335	F3027	1980-03	Bollards (Simple Type)	
5438	F3028	withdrawn	Lifeboats' steel blocks	
5439	F3029	withdrawn	Ships' steel blocks for fiber rope guy	
5440	F3030	1997-06	Ships' steel blocks with swivels for fiber rope guy	
5441	F3031	1980-04	Ships' Steel Blocks for Signal Flags	
5442	F3032	1997-06	Panama chocks	
5443	F3033	1980-04	Open Chocks	
5444	F3034	1980-04	Closed Chocks	
5568	F3035	1997-06	Ships' dog steps	
* 5569	F3036	1997-06	Ships' steel vertical ladders	
* 5570	F3037	1983-03	Steel Deck Ladders	
5571	F3038	1996-12	Ships' Butterfly Nuts	
5572	F3039	1996-12	Ships' Eye Plates	
5573	F3040	1999-08	Mushroom ventilators	
5574	F3041	1997-06	Gooseneck ventilators	
5575	F3042	withdrawn	Cowthead ventilators	
6035	F3043	2000-10	Lead-Acid Marine Batteries	
6176	F3044	1996-12	Ships' Manholes	
* 6177	F3045	1997-02	Ships' Non-watertight Steel Doors	
6178	F3046	1998-12	Watertight sliding doors	
6179	F3047	1997-02	Indicators for Watertight Sliding Doors	
6180	F3048	1999-08	Fittings for weathertight steel doors (Round corner type)	
* 6181	F3049	1996-12	Ships' Ullage Holes	
6182	F3050	1998-12	Ships' steel weathertight doors (Round corner type)	
6325	F3051	1980-08	Deck pieces for sounding pipes	
6326	F3052	1980-08	Pipe head caps	
6327	F3053	1980-08	Pipe Head Caps Spanners	
6328	F3054	1980-08	Universal joints of transmission shaft in cargo oil tank	
6329	F3055	1983-03	Scupper Fitting for Refrigerating Chambers of Ships	
6330	F3056	1998-12	Ships' cast iron pipe sleeve type expansion joints	
6437	F3057	withdrawn	Ships' cast steel pipe sleeve type expansion joints	
6438	F3058	withdrawn	Short sounding pipe heads of self-closing parallel cock type	
6439	F3059	withdrawn	Short sounding pipe head of self-closing gate valve type	
6440	F3060	1980-09	Ships' Steel Pipe Band	
6441	F3061	1983-03	Steel Pipe U-Bolts for Ships	
6442	F3062	withdrawn	Ships' deck and bulkhead pieces for small size copper tubes	
6443	F3063	withdrawn	Ships's foot valves	
6444	F3064	withdrawn	Hinged caps of sounding pipes	
6562	F3065	1980-10	Anchor Buoys	
6563	F3066	1980-10	Anchor Stopper (Small Size)	
6564	F3067	1980-10	Rigging Screw	
6565	F3068	withdrawn	Chain slings	
6566	F3069	withdrawn	Chain stoppers	
6567	F3070	withdrawn	Small size chain slings	
6817	F3071	1980-12	Ships' Wire Rope Reels	
6820	F3072	1980-12	Ships' Small Size Wire Rope Reels	
6825	F3073	1980-12	Ships' Ring Plates	
6826	F3074	1980-12	Sunken Link Plates	
6827	F3075	1980-12	Horn Cleat	
6828	F3076	1980-12	Ships' Wire Rope Stay Eye Plate	
6829	F3077	1980-12	Ships' Derrick Guy Cleats	

CNS no.	Category no.	Date of		Title
		Current edition		
6830	F3078	1980-12		Ships' Toggle Pins
6831	F3079	1980-12		Ships' Chainlet
6832	F3080	1980-12		Ships' S Ring of Chainlet
6833	F3081	1980-12		Ships' Eye Plates for Chainlet
6912	F3082	withdrawn		Ships's hatch beam slings
6913	F3083	1981-01		Ships' Small Size Wire Nippers for Topping Lift
6914	F3084	1981-01		Ships' Small Size Steel Blocks
6915	F3085	1995-10		Ships' Fire Axes
6916	F3086	1983-03		Jacobs' Ladder
6917	F3087	withdrawn		Ships's clinometers
6918	F3088	withdrawn		Ships's bells
7232	F3089	withdrawn		Small ships' rudder carriers
7233	F3090	1981-04		Cast Iron Dog Type Chain Cable Compressors
7234	F3091	1981-04		Cast Iron Deck End Rollers
7235	F3092	withdrawn		Steel plate deck-end rollers
7236	F3093	withdrawn		Spindle type hand steering gear
7237	F3094	1981-04		Ships' Rope Hole Covers
7238	F3095	withdrawn		Chain type hand steering gear
* 7239	F3096	1989-04		Bronze Globe Valves for Marine Use (5 k g f / c m <sup>2</sup> )
7240	F3097	1981-04		Marine Bronze Angle Valves (5 k g f / c m <sup>2</sup> )
7241	F3098	1988-04		Bronze Globe Valves for Marine Use (16 k g f / c m <sup>2</sup> )
7242	F3099	withdrawn		Marine bronze 16kgf/cm <sup>2</sup> angle valves
7243	F3100	1987-12		Marine Cast Iron Globe Valves (10 k g f / c m <sup>2</sup> )
7244	F3101	1981-04		Marine Cast Iron Angle Valves (10 k g f / c m <sup>2</sup> )
7245	F3102	1987-12		Marine Cast Iron Globe Valves (16 k g f / c m <sup>2</sup> )
7246	F3103	1981-04		Marine Cast Iron Angle Valves (16 k g f / c m <sup>2</sup> )
7369	F3104	withdrawn		Leading block for chain type hand steering gear
7370	F3105	withdrawn		Cast steel dog type chain stoppers
7371	F3106	withdrawn		Cast steel tongue type chain cable stoppers for grade 2 chain cable
7372	F3107	withdrawn		Small size cast iron deck-end rollers
7373	F3108	withdrawn		Small size steel plate deck-end rollers
7374	F3109	withdrawn		Small size fairleads
7682	F3110	withdrawn		Marine cast steel 5 kgf/cm <sup>2</sup> globe vales
7683	F3111	withdrawn		Marine cast steel 5 k g f / c m <sup>2</sup> angle valves
7684	F3112	1987-12		Marine Cast Steel Globe Valves (20 k g f / c m <sup>2</sup> )
7685	F3113	withdrawn		Marine cast steel 20 k g f / c m <sup>2</sup> angle valves
7686	F3114	1987-12		Marine Cast Steel Globe Valves (30 k g f / c m <sup>2</sup> )
7687	F3115	withdrawn		Marine cast steel 30 k g f / c m <sup>2</sup> angle valves
7688	F3116	1987-12		Marine Cast Steel Globe Valves (40 k g f / c m <sup>2</sup> )
7689	F3117	withdrawn		Marine cast steel 40 k g f / c m <sup>2</sup> angle valves
7690	F3118	withdrawn		Ships' horizontal rollers
7691	F3119	1981-07		Ships' Cast Steel Dog Type Chain Cable Compressor (Small Size)
7692	F3120	withdrawn		Ships' small size stand rollers
7693	F3121	1981-07		Cable Clenches
7694	F3122	withdrawn		Universal fairleaders
7695	F3123	withdrawn		Roller tongue type chain cable stoppers for grade 2 anchor chain cable
7696	F3124	1981-07		Ship's Towing and Mooring Brackets
7787	F3125	withdrawn		Fairleads
7788	F3126	1981-08		Double Type Cross Bits for Tugboat
7789	F3127	1981-08		Turnbuckles for Lumber Lashing
7790	F3128	withdrawn		Chain for lumber lashing
7791	F3129	1981-08		Ships' Jib Davits for General Use
7792	F3130	1981-08		Ships' Chain for General Use
7898	F3131	1987-12		Marine Cast Steel Globe Valves (10 k g f / c m <sup>2</sup> )
7899	F3132	withdrawn		Marine cast steel 10 k g f / c m <sup>2</sup> angle valves
7900	F3133	1987-12		Marine Malleable Iron Globe Valves (5 k g f / c m <sup>2</sup> )
7901	F3134	withdrawn		Marine malleable iron 5 k g f / c m <sup>2</sup> angle valves

Date of			
CNS no.	Category no.	Current edition	Title
7902	F3135	1987-12	Marine Malleable Iron Globe Valves (16 k g f / c m <sup>2</sup> )
7903	F3136	1981-09	Marine Malleable Iron Angle Valves (16 k g f / c m <sup>2</sup> )
7904	F3137	1987-12	Marine Forged Steel Globe Valves (40 k g f / c m <sup>2</sup> )
7905	F3138	withdrawn	Marine forged steel 40 k g f / c m <sup>2</sup> angle valves
7984	F3139	withdrawn	Ships' davits for general use
7985	F3140	withdrawn	Ships' cargo hooks
7986	F3141	1981-10	Ships' Topping Units
7987	F3142	1981-10	Ships' Steel Plate Derrick Booms
8107	F3143	withdrawn	Marine cast iron hose valves
8108	F3144	withdrawn	Marine bronze hose valves
8109	F3145	withdrawn	Marine hose connections and fittings
8110	F3146	1987-12	Marine Forged Steel Globe Valves for Compressed Air
8111	F3147	withdrawn	Marine forged steel angle valves for compressed air
8112	F3148	1987-12	Marine Cast Steel Globe Valves for Compressed Air
8113	F3149	withdrawn	Ships' derrick topping brackets
8114	F3150	withdrawn	Ships' derricks gooseneck brackets
8115	F3151	withdrawn	Boom rest head pieces
8116	F3152	withdrawn	Ships' light load derrick topping brackets
8117	F3153	1981-11	Ships' Light Load Derrick Gooseneck Brackets
8118	F3154	1981-11	Ships' Light Load Derrick Booms
8270	F3155	1982-01	Marine Forged Steel Pressure Gauge Valves (100 k g f / c m <sup>2</sup> )
8271	F3156	1982-01	Marine Bronze Pressure Gauge Cocks (20 k g f / c m <sup>2</sup> )
8272	F3157	1988-04	Bronze Globe Valves for Marine Use (Union Bonnet Type) (5 k g f / c m <sup>2</sup> )
8273	F3158	1982-01	Marine Bronze Angle Valves (Union Bonnet Type)(5 k g f / c m <sup>2</sup> )
8274	F3159	1988-04	Bronze Globe Valves for Marine Use (Union Bonnet Type) (16 k g f / c m <sup>2</sup> )
8275	F3160	1982-01	Marine Bronze Angle Valves (Union Bonnet Type)(16 k g f / c m <sup>2</sup> )
8491	F3161	1982-02	Marine Hull Cast Steel Angle Valves
8492	F3162	1988-04	Bronze Screwdown Check Globe Valves for Marine Use (5 k g f / c m <sup>2</sup> )
8493	F3163	1982-02	Bronze Screw - Down Check Angle Valves for Marine Use (5 k g f / c m <sup>2</sup> )
8494	F3164	1988-04	Cast Iron-down Check Globe Valves for Marine Use (5 k g f / c m <sup>2</sup> )
8495	F3165	1982-02	Cast Iron Screw - Down Check Angle Valves for Marine Use (5 k g f / c m <sup>2</sup> )
8496	F3166	1982-02	Bronze Lift Check Valves for Marine Use (5 k g f / c m <sup>2</sup> )
8681	F3167	1982-04	Hatch Board
8682	F3168	1982-04	Ships' Oiltight Hatch Covers
8683	F3169	1982-04	Ships' Small Size Steel Hatch Cover
8684	F3170	1982-04	Fittings for Ships' Small Size Steel Hatch Covers
8685	F3171	1982-04	Ships' Ratchet Spanners
8686	F3172	1982-04	Hatch Cleats (Simple Type)
8689	F3173	1988-04	Cast Iron Check Globe Valves for Marine Use ( 5 k g f / c m <sup>2</sup> )
8690	F3174	1982-04	Marine Cast Iron Lift Check Angle Valves (5 k g f / c m <sup>2</sup> )
8691	F3175	1982-04	Marine Hull Cast Steel Gate Valves
8692	F3176	1987-12	Marine Hull Cast Steel Globe Valves
8818	F3177	1982-05	Marine Cast Steel Gate Valves (10 k g f / c m <sup>2</sup> )
8819	F3178	1982-05	Marine Bronze Rising Stem Type Gate Valves (5 k g f / c m <sup>2</sup> )
8820	F3179	1982-05	Marine Bronze Rising Stem Type Gate Valves (10 k g f / c m <sup>2</sup> )
8821	F3180	1982-05	Marine Cast Iron Gate Valves (16 k g f / c m <sup>2</sup> )
8822	F3181	1982-05	Marine Bronze Swing Check Valves (5 k g f / c m <sup>2</sup> )
8823	F3182	1982-05	Marine Cast Iron Swing Check Valves ( 5 k g f / c m <sup>2</sup> )
8824	F3183	1982-05	Marine Cast Iron Swing Check Valves (10 k g f / c m <sup>2</sup> )
8825	F3184	1988-05	Cast Iron Screw - Down Check Globe Valves for Marine Use (10 k g f / c m <sup>2</sup> )

Date of			
CNS no.	Category no.	Current edition	Title
8961	F3185	1988-05	Cast Iron Screw-down Check Globe Valves for Marine Use (16 k g f / c m <sup>2</sup> )
8962	F3186	1982-06	Cast Iron Screw-Down Check Angle Valves for Marine Use (16 k g f / c m <sup>2</sup> )
8963	F3187	1982-06	Brass Stop Valves with Bite Joint for Marine Use (30 k g f / c m <sup>2</sup> )
8964	F3188	1982-06	Marine Bronze Flanged Cocks (5 k g f / c m <sup>2</sup> )
8965	F3189	1982-06	Marine Bronze Cocks (16 k g f / c m <sup>2</sup> )
8966	F3190	1988-05	Bronze Globe Valves for Marine Use (20 k g f / c m <sup>2</sup> )
9253	F3191	1982-08	Marine Bronze Angle Valves (20 k g f / c m <sup>2</sup> )
9254	F3192	1982-08	Marine Cocks with Lock
9255	F3193	1987-12	Marine Cast Iron Globe Valves (3 k g f / c m <sup>2</sup> )
9256	F3194	1982-08	Marine Cast Iron Angle Valves (3 k g f / c m <sup>2</sup> )
9257	F3195	1988-05	Bronze Globe Valves for Marine Use ( 3 k g f / c m <sup>2</sup> )
9258	F3196	1982-08	Marine Bronze Angle Valves (3 k g f / c m <sup>2</sup> )
9259	F3197	1982-08	Marine Cast Iron Gate Valves (3 k g f / c m <sup>2</sup> )
9260	F3198	1982-08	Marine Cast Iron Suction Manifold Valves (5 k g f / c m <sup>2</sup> )
9261	F3199	1982-08	Marine Cast Iron Discharge Manifold Valves (5 k g f / c m <sup>2</sup> )
9483	F3200	1982-10	Marine Fuel Oil Tank Self - Closing Drain Valves
9484	F3201	1982-10	Fuel Oil Tank Emergency Shut - off Valves for Marine Use
9485	F3202	1982-10	Marine Cast Steel Flange Type Escape Valves (30 k g f / c m <sup>2</sup> )
9486	F3203	1982-10	Marine Forged Steel Screw Escape Valves (30 k g f / c m <sup>2</sup> )
9487	F3204	1988-05	Bronze Screw - Down Check Globe Valves for Marine Use ( Union Bonnet Type )(5 k g f / c m <sup>2</sup> )
9488	F3205	1982-10	Bronze Screw - Down Check Angle Valves for Marine Use (Union Bonnet Type)(5 k g f / c m <sup>2</sup> )
9489	F3206	1988-05	Bronze Screw - Down Check Globe Valves for Marine Use (Union Bonnet Type)(16 k g f / c m <sup>2</sup> )
9490	F3207	1982-10	Bronze Screw - Down Check Angle Valves for Marine Use (Union Bonnet Type)(16 k g f / c m <sup>2</sup> )
9491	F3208	1988-05	Bronze Lift Check Globe Valves for Marine Use (Union Bonnet Type )( 5 k g f / c m <sup>2</sup> )
9492	F3209	1982-10	Marine Bronze Lift Check Angle Valves (Union Bonnet Type)(5 k g f / c m <sup>2</sup> )
10071	F3210	1983-03	Small Size Manhole for Marine Use
10072	F3211	1983-03	Fitting for Weathertight Steel Doors of Small Ships
10073	F3212	1983-03	Covers for Tank Cleaning Holes
10074	F3213	1983-03	Non-Watertight Steel Doors of Small Ships
10081	F3214	1983-03	Simple Type Fixed Scuttles for Ships
10082	F3215	1983-03	Flame Arresters for Ships
10083	F3216	1983-03	Ships' Air Hatch Cover
10084	F3217	1983-03	Weather Hollow Doors for Ships
10250	F3218	1983-05	Deck Lights
10251	F3219	1983-05	Sliding Windows for Marine Use
10252	F3220	1983-05	Hinged Square Windows for Marine Use
10253	F3221	1983-05	Fiberglass Reinforced Plastic Doors of Provisions Refrigerating Chamber for Marine Use
10254	F3222	1983-05	Bronze Side Scuttles for Marine Use
10338	F3223	1983-06	Steel Wharf Ladders
10339	F3224	1983-06	Aluminium Alloy Wharf Ladders
10340	F3225	1983-06	Bulwark Ladders
10341	F3226	1983-06	Panama Canal Pilot Platforms
10342	F3227	1983-06	Pilot Ladder
10343	F3228	1983-06	Embarkation Ladders
10344	F3229	1983-06	Aluminium Alloy Accommodation Ladders
10345	F3230	1983-06	Steel Accommodation Ladders
10429	F3231	1983-07	Snatch Blocks for Marine Use
10430	F3232	1983-07	External-Bound Blocks for Marine Use
10431	F3233	1983-07	Internal-Bound Blacks for Marine Use

CNS no.	Category no.	Date of		Title
		Current edition		
10432	F3234	1983-07		Steel Cargo Blocks for Topping Units for Marine Use
10433	F3235	1983-07		Cargo Lifting Steel Block for Marine Use
10434	F3236	1983-07		Cast Steel Cargo Blocks with Roller Bearings for Marine Use
10435	F3237	1983-07		Steel Cargo Block with Roller Bearings for Marine Use
12568	F3238	1989-07		Scrapers for Marine Use
14287	F3239	1998-12		Ships' steel weathertight doors (Square corner type)
14344	F3240	1999-08		Fittings for weathertight steel doors (Rectangular corner type)

## General

	6818	F4001	1980-12	Application Standard for Steel Wire Rope for Marine Use
	6819	F4002	1980-12	Application Standard for Hemp Rope for Marine Use
	6821	F4003	1980-12	Application Standard of Steel Wire Rope for Small Ship
	6822	F4004	1980-12	Application Standard of Hemp Rope for Small Ship
*	6823	F4005	1980-12	Fastening Method of Wire Rope to Drum for Marine Use
*	6824	F4006	1980-12	Application Standard of Ships Canvas
	7982	F4007	1981-10	Symbols for Ships' Ventilation System
*	7983	F4008	1981-10	Symbols for Life - Saving Appliance and Fire Fighting Appliance of Ships
	8687	F4009	1982-04	Marking of Hatch Board
	8688	F4010	1982-04	Marking of Hatchway Beam
	10629	F4011	2006-06	Lifejackets ( Inflatable )
	11184	F4012	1985-01	Alarms and Indications for Marine Use
	11185	F4013	1985-01	Application Standard of Audio-Signallings and Pilot Lamps in Shipboard
	11501	F4014	2006-06	Lifebuoys
	11503	F4015	2006-06	Lifebuoy self-igniting lights
	11505	F4016	2006-06	Lifejacket lights
	11518	F4017	2006-06	Lifejackets ( Non-inflatable )
	11831	F4018	2006-06	Immersion suits
	11833	F4019	2006-06	Thermal protective aids for survival craft
	12767	F4020	2006-06	Lifebuoy self-activating smoke signals
	12769	F4021	1990-08	Buoyant Smoke Signals for Marine Use
	12771	F4022	2006-06	Hand flares
	12773	F4023	2006-06	Rocket parachute flares
	14986	F4024	2006-06	Buoyant lifelines
	14987	F4025	2006-06	General requirement for life-saving appliances
	14988	F4026	2006-06	Anti-exposure suits
	28000	F4027	2010-06	Specification for security management systems for the supply chain
	28001	F4028	2010-06	Security management systems for the supply chain - Best practices for implementing supply chain security, assessments and plans - Requirements and guidance
	28004	F4029	2010-06	Security management systems for the supply chain - Guidelines for the implementation of CNS 28000
	28003	F4030	2010-06	Security management systems for the supply chain - Requirements for bodies providing audit and certification of supply chain security management systems
	20858	F4031	2010-06	Ships and marine technology — Maritime port facility security assessments and security plan development
	15701	F4032	2013-11	Ships and marine technology - Sea anchors for survival craft and rescue boats
	15702-1	F4033-1	2013-11	Small craft - Inflatable liferafts - Part 1: Type I
	15702-2	F4033-2	2013-11	Small craft - Inflatable liferafts - Part 2: Type II
	15702-3	F4033-3	2013-11	Small craft - Inflatable liferafts - Part 3: Materials
	16180	F4034	2022-11	Personal flotation devices — Part 4 : Lifejackets, performance level 100 — Safety requirement

## Electric Engineering for Shipbuilding



		Date of		
CNS no.	Category no.	Current edition	Title	
7784	F5001	1984-05	Graphical Symbols for Electrical Apparatus (Power) for Marine Engineering Drawings	
7785	F5002	1984-05	Graphical Symbols for Electrical Apparatus (Lighting Fittings and Accessories) for Marine Engineering Drawings	
7786	F5003	1984-05	Graphical Symbols for Electrical Apparatus (Communication) for Marine Engineering Drawings	
*	7906	F5004	1987-11	Marine Cable Glands for Electric Watertight Box
*	7907	F5005	1986-08	Protective Rubber - Like Sheaths of Flexible Cord for Marine Use
*	7908	F5006	1981-09	Small Size Terminals for Marine Use
	7909	F5007	1981-09	Terminal Boards for Marine Use
	7910	F5008	1986-08	Crimp Terminal Boards for Marine Use
	7988	F5009	1981-10	Lamp Holders for Marine Use
	7989	F5010	1984-07	Front Glasses for Marine Electric Lights
	7990	F5011	1984-07	Glass Globes for Marine Electric Lights
	7991	F5012	1983-03	Glass Globe for Marine Indicator Lamps
	7992	F5013	1981-10	Lenses for Marine Morse Signalling Lamps
	8266	F5014	1982-01	Method of Watertight Testing for Marine Electric Appliances
	8267	F5015	1985-07	General Rules on the Temperature Test of Electric Lighting Fittings (Incandescent Lamps) for Marine Use
	8268	F5016	1985-07	General Requirements for Construction of Marine Electric Lighting Fittings Incandescent Lamps Type
*	8269	F5017	1985-07	Marine Lamp Bulbs
	8390	F5018	1985-09	Marine Watertight Type Hand Lamps
	8391	F5019	1982-01	Hand Lamps for Marine Use (Non - Watertight Type)
	8392	F5020	1985-11	Marine Morse Signalling Lights
	8393	F5021	1982-01	Keys for Marine Morse Signalling Lamps
	8394	F5022	1985-11	Marine Daylight Signalling Lamps
	8395	F5023	1985-11	Marine Portable Daylight Signalling Lamps
*	8396	F5024	1985-11	Marine Signalling Lights
	8580	F5025	1982-03	Outline Dimensions of Marine Engine Remote Control Consoles
	8581	F5026	1982-03	Internal Wirings of Marine Engine Remote Control Console
	8582	F5027	1982-03	Internal Pipings of Marine Engine Remote Control Console
	8583	F5028	1986-08	Marine Small Switches (Non-Watertight Type)
	8584	F5029	1986-08	Marine Small Switches (Watertight Type)
	8585	F5030	1982-03	Small Toggle Switches for Marine Use
	8586	F5031	1982-03	Unit Switches for Marine Use
	8587	F5032	1982-03	Rotary Switches for Marine Use
	8588	F5033	1986-08	Marine Control Switches for Explosionproof Light
*	9390	F5034	1987-11	Marine Ballasts for Fluorescent Lamp
	9391	F5035	1985-12	Marine Fluorescent Table Lights
	9392	F5036	1985-12	Marine Fluorescent Wall Lights (Non-Watertight Type)
	9393	F5037	1985-12	Marine Fluorescent Ceiling Lights (Non-Watertight Type)
	9394	F5038	1985-12	Marine Fluorescent Ceiling Lights (Watertight Type)
	9395	F5039	1982-09	Fluorescent Berth Lights With Spare Light for Marine Use
	9599	F5040	1986-01	Marine Floodlighting Projectors
	9600	F5041	1986-05	Marine Passage Lights (Watertight Type)
	9601	F5042	1986-01	Marine Reflector Lamp Type Flood Lights
	9602	F5043	1986-01	Marine High Pressure Mercury Vapour Lamp Type Flood Lights
	9603	F5044	1986-01	Marine Halogen Lamp Type Flood Lights
	9854	F5045	1983-01	Marine Cable Glands for Bulkhead and Deck
	9855	F5046	1983-01	Electric Cable Clips for Marine Use
	9856	F5047	1983-01	Electric Cable Hangers and Saddles for Marine Use
	9857	F5048	1983-01	Dimmers for Marine Lamps
	9858	F5049	1983-01	Dimmers for Marine Instrument Illumination
	10075	F5050	1987-05	Marine Distribution Boards (Fuse Type, Below 250V)
	10076	F5051	1987-05	Marine Section Boards (Fuse Type, Below 250 V)
	10077	F5052	1983-03	Section Boards (Simple Type, below 125V) for Marine Use
	10078	F5053	1983-03	Distribution Boards (Simple Type, below 125V) for Marine Use

CNS no.	Category no.	Date of		Title
		Current edition		
10079	F5054	1987-05		Marine Distribution Boards (Circuit Breaker Type, below 250 V)
10080	F5055	1987-05		Marine Section Boards (Circuit Breaker Type, Below 250 V)
10164	F5056	1987-07		Marine Joint Boxes (Watertight Type)
10165	F5057	1987-07		Marine Joint Boxes (Non-Watertight Type )
10166	F5058	1987-07		Marine Shore Connection Boxes
10167	F5059	1987-07		Marine Shore Connection Boxes (Small Type)
10255	F5060	1983-05		General Requirements for Vibration Test of Electrical Apparatus for Marine Use
10256	F5061	1986-05		Cargo Lights
10257	F5062	1986-05		Cargo Lights (Simple Type)
10258	F5063	1986-05		Cargo Lights (Special Type)
10334	F5064	1985-12		Marine Recessed Type Ceiling Lights (Non-watertight Type)
10335	F5065	1985-12		Marine Ceiling Lights (Non-watertight Type)
10336	F5066	1983-06		Explosion-Proof Ceiling Lights for Marine Use
10337	F5067	1986-05		Boat Deck Lights
10496	F5068	1985-12		Marine Wall Lights (Watertight Type)
10497	F5069	1985-09		Pendant Lights for Marine Use
10498	F5070	1985-09		Pendant Lights (Simple Type) for Marine Use
10499	F5071	1985-09		Portable Lamps (Simple Type) for Marine Use
10563	F5072	1986-10		Marine Plugs (Non-Watertight Type )
10564	F5073	1986-10		Marine Plugs (Watertight Type )
10565	F5074	1986-10		Marine Receptacles (Watertight Type )
10566	F5075	1986-10		Marine Receptacles (Non-Watertight Type)
10623	F5076	1986-10		Marine Plugs and Socket-Outlets (Watertight Type )
10624	F5077	1987-03		Marine Electric Bells (Watertight Type )
10625	F5078	1987-03		Marine Electric Buzzers
10626	F5079	1987-03		Marine Push Buttons
10627	F5080	1987-03		Marine Electronic Horns
10628	F5081	1987-03		Marine Small Motor Sirens
10765	F5082	1984-02		General Requirements for Construction and Inspection of Electrical Explosion-proof Apparatus for Marine Use
10766	F5083	1984-02		Explosion-proof Bulkhead Lights for Marine Use
10767	F5084	1985-09		Explosion-proof Portable Electric Lamps for Marine Use (Dry Cells and Batteries Type)
10768	F5085	1986-05		Chart Table Lights
10769	F5086	1986-01		Marine High Pressure Sodium Lamp Type Flood Lights
10770	F5087	1984-02		Navigation Light Indicators
10771	F5088	1984-02		Navigation Light Indicators (Simple Type)
10853	F5089	1984-04		General Requirement for Construction and Inspection of Marine Electrical Intrinsically Safe Apparatus
10854	F5090	1984-04		General Requirements for Degree of Protection and Inspection of Enclosures for Marine Electrical Apparatus
10855	F5091	1984-04		Criteria for Selection of Plastics Used for Marine Electrical Appliances
10935	F5092	1984-06		Electric Propeller Shaft Revolution Indicators for Marine Use
10936	F5093	1984-06		Electric Rudder Angle Indicators
10937	F5094	1984-06		Electric Engine Telegraphs for Marine Use
10938	F5095	1984-06		Small Size Electric Engine Telegraphs for Marine Use
11186	F5096	1985-01		General Rules of Radio Telegraph for Ships
11187	F5097	1985-01		Testing Methods of Radio Telegraph for Ships
11535	F5098	1986-04		Marine Magnetic Compasses
11536	F5099	1986-04		Marine Pressure Switches
11537	F5100	1986-04		Marine Filled System Thermostats
11538	F5101	1986-04		Marine Resistance Bulbs
11614	F5102	1986-06		Marine Electronic Pressure Transmitters
11615	F5103	1986-06		Basic Design for Cable Penetration of "A" Class Division
11616	F5104	1986-06		Socket-outlet Boxes for Refrigerated Containers (Watertight Type)
11617	F5105	1986-06		Socket-outlet Elements for Power Supply of Refrigerated Containers

CNS no.	Category no.	Date of		Title
		Current edition		
11618	F5106	1986-06		Socket-outlet Elements for Monitor of Refrigerated Containers
11790	F5107	1986-12		A.C. Generators in Ships
11791	F5108	1986-12		Form of Spare Parts List of Electrical Apparatus for Marine Use
11792	F5109	1986-12		Spare-Part Boxes of Electrical Equipment for Marine Use
11793	F5110	1986-12		Nameplate of Marine Electric Machinery and Equipment
11794	F5111	1986-12		Minimum Length Between the Cable Entrances and the Terminals of Electric Machinery and Equipment for Marine Use
11814	F5112	1987-01		Low-voltage Three-phase Induction Motors in Ships
11815	F5113	1993-12		Dimensions of Low-voltage Three - Phase Squirrel-cage Induction Motors in Ships
11816	F5114	1987-01		Markings and Arrangements of Mainconnections and Small-Wiring for Marine Use
11817	F5115	1987-01		Conformation between the Cable Glands and the Cables Specified
11994	F5116	1987-06		Cable Clamping Devices for Motor Starters and Controllers in Ships
11995	F5117	1987-06		Spare Parts for Motor Starters and Controllers in Ships
11996	F5118	1987-06		Device Function Numbers for Control Devices and Equipment of Electrical Installations in Ships
11997	F5119	1987-06		Starters and Controllers for A.C Motor in Ships
11998	F5120	1987-06		Terminal Markings for Motor Starters in Ships
12155	F5121	1987-11		Marine Ballasts for High Pressure Mercury Vapour Lamp
12156	F5122	1987-11		Marine Electric Bells for Accommodation Spaces
12157	F5123	1987-11		Extension Alarm Panels

## G Ferrous Materials and Metallurgy

CNS no.	Category no.	Date of		Title
		Current edition		
<b>General</b>				
109	G1001	1996-03		Symbols for Iron and Steel
110	G1002	withdrawn		Dimension of Rolled Round Steel (→CNS 8 2 7 9)
111	G1003	withdrawn		Dimension of Rolled Square Steel (→CNS 8 2 7 9)
112	G1004	withdrawn		Dimension of Rolled Hexagonal Steel (→CNS 8 2 7 9)
113	G1005	withdrawn		Dimensions of Rolled Octagonal Steel (→CNS 8 2 7 9)
644	G1006	withdrawn		Dimensions of Steel Wires for General Use (→CNS 1 4 6 8、3 6 9 7)
645	G1007	withdrawn		Characteristics and Chemical Analysis for Steel Wires of General Use (→CNS 8 6 9 3、3 6 9 6)
646	G1008	withdrawn		Dimensions of Steel Spring-Wires (→CNS 3 2 9 0)
647	G1009	withdrawn		Characteristics and Chemical Analysis for Steel Spring-Wires (→CNS 3 3 7 9)
1489	G1010	withdrawn		Dimensions of Rolled Flat Steel (→CNS 8 2 7 8)
1490	G1011	2020-10		Dimensions, mass and permissible variations of hot rolled steel sections
2800	G1012	withdrawn		Numbering Systems for Chemical Compositions of Iron and Steels (→CNS 1 0 9)
2868	G1013	1996-03		Symbols of Forming Ratio for Steel Forging
2909	G1014	withdrawn		Classification of Surface Defects for Steel Ingots
3013	G1015	2018-05		Dimensions, mass and permissible variations of hot rolled steel plates, sheets and strips
3158	G1016	2008-01		Product analysis and its tolerance for wrought steel
3666	G1017	1973-12		Method of Magnetic Particle Flaw Detection Test for Ferromagnetic Materials
8278	G1018	2001-01		Dimensions, mass and permissible variations of hot rolled flat steel
*	8279	G1019	2020-03	Dimensions, mass and permissible variations of hot rolled steel bars and bar in coil
9267	G1020	2005-12		Method of mass calculation for stainless steel plates and sheets, and heat-resisting steel plates and sheets
9705	G1021	1984-10		General rules for emission-spectroscopic analysis of iron and steel
9706	G1022	withdrawn		General rules for photoelectric emission spectrochemical analysis of iron and steel
10005	G1023	1984-12		General rules for photoelectric emission spectrochemical analysis of metallic materials
11835	G1024	1987-02		Glossary of terms used in heat treatment of iron and steel
11836	G1025	1987-02		Glossary of terms used in iron and steel (products and quality)
12868	G1026	1991-05		Glossary of terms used in iron and steel (testing)
12973	G1027	1992-03		Shape and dimensions of corrugated steel sheets
13813	G1028	2016-06		Specification for through-thickness characteristics of steel plate, wide flat and sections
13920	G1029	1997-06		Visual examination and classification of surface quality for steel castings
14570	G1030	2008-01		Steel and steel products - General technical delivery requirements
14571	G1031	2001-08		Steel and steel products—Inspection documents
16094-1	G1032-1	2019-04		Ductile iron pipes, fittings, accessories and their joints – External zinc-based coating – Part 1: Metallic zinc with finishing layer
16094-2	G1032-2	2019-04		Ductile iron pipes, fittings, accessories and their joints – External zinc-based coating – Part 2: Zinc-rich paint

## Testing and Inspection

267	G2001	withdrawn		Method of Test for Various Elements in Steel and Iron (→CNS 1 1 0 1 2)
268	G2002	withdrawn		Sampling Method of Chemical Test for Steel and Iron
269	G2003	withdrawn		Sampling Method of Chemical Test for Ferrous Alloys (→CNS 1

CNS no.	Category no.	Date of		Title
		Current edition		
				1 6 2 9 、 1 1 6 3 0 、 1 1 6 3 1 )
293	G2004	withdrawn		Method of Chemical Test for Antifriction Alloys
294	G2005	withdrawn		Method of Chemical Test for Low Melting Alloys
643	G2006	withdrawn		Testing standard for nails
826	G2007	withdrawn		Method of Test for Tin Plate (Hot-Dip Method) (→CNS 4 1 5 5 )
	G2008	withdrawn		Method of test for steel umbrella ribs and shaft
* 1111	G2009	withdrawn		Method of test for wire ropes and steel wires (replaced by CNS 941)
1359	G2010	withdrawn		Method of Test for Hot Rolled Steel Sheet of Regular Grade (Withdrawn) (→CNS 4 6 2 2 )
1360	G2011	withdrawn		Method of Test for Hot Rolled Steel Sheet of Physical Grade (→CNS 4 6 2 2 )
1361	G2012	withdrawn		Method of Test for Hot-dip Galvanized Sheets (→CNS 1 2 4 4 )
2111	G2013	1996-07		Method of Tensile Test for Metallic Materials
2112	G2014	2005-02		Test pieces for tensile test for metallic materials
2149	G2015	1997-10		Methods of chemical analysis for ferrosilicon
2151	G2016	1997-10		Methods of chemical analysis for ferromanganese
2153	G2017	1997-10		Methods of chemical analysis for silicomanganese
2608	G2018	1982-04		General rules for inspection of steel
2908	G2019	2002-05		Method of macro-streak-flaw test for steel
2910	G2020	2008-01		Microscopic testing method for non-metallic inclusions in steel
2911	G2021	2002-05		Method of hardenability test for steel
3033	G2022	2000-03		Test pieces for impact test for metallic materials
* 3034	G2023	1996-07		Method of Impact Test for Metallic Materials
3781	G2024	withdrawn		Method of Test for Manganese Metal (→CNS 8 0 0 4 、 8 0 0 5 )
3783	G2025	withdrawn		Method of Test for Silicon-Chromium (→CNS 1 0 2 5 9 、 1 0 2 6 0 、 1 0 2 6 1 、 1 0 2 6 2 )
3785	G2026	withdrawn		Method of Test for Ferronickel
3825	G2027	withdrawn		Method of Test for Ferrotungsten (→CNS 9 8 5 9 、 9 8 6 0 、 9 8 6 1 、 9 8 6 2 、 9 8 6 3 、 9 8 6 4 、 9 8 6 5 、 9 8 6 6 、 9 8 6 7 、 9 8 6 8 、 9 8 6 9 )
* 3829	G2028	withdrawn		Method of test for carbon steel for machine structural use
3831	G2029	withdrawn		Method of Test for High Manganese Steel Castings (→CNS 3 8 3 0 )
3893	G2030	withdrawn		Method of Test for rolled Carbon Steels for Cold Finished Steel Bars
3915	G2031	2019-08		Method of spark test for steels
3939	G2032	2019-08		Method of sulphur print for steels
3940	G2033	withdrawn		Bend test pieces for metallic materials(replaced by CNS 3941)
3941	G2034	2019-12		Method of bend test for metallic materials
4001	G2035	withdrawn		Method of Test for Stainless Steel Castings (→CNS 4 0 0 0 )
4003	G2036	withdrawn		Method of Test for Heat Resisting Steel Castings (→CNS 4 0 0 2 )
4005	G2037	withdrawn		Method of test for resulfurized free cutting carbon steels
4042	G2038	withdrawn		Method of Test for Chromium Molybdenum Steel Forgings for General Use
4044	G2039	withdrawn		Method of Test for Nickel Chromium Molybdenum Steel Forgings for General Use
4156	G2040	withdrawn		Method of Test for Tinplate and Blackplate (→CNS 4 1 5 5 )
4179	G2041	1997-10		Methods of measuring case depth of steel hardened by flame or induction hardening process
4270	G2042	withdrawn		Method of test for Hot-Rolled Atmospheric Corrosion Resisting steels for welded structure (→CNS 4 2 6 9 )
4272	G2043	withdrawn		Method of Test for Steel Plates for Pressure Vessels (→CNS 4 2 7 1 )
4274	G2044	withdrawn		Method of Test for Steel Sheets,Plates and Strips for Gas Cylinders

CNS no.	Category no.	Date of		Title
		Current edition		
				(→CNS 4 2 7 3)
4436	G2045	withdrawn		Method of Test for Carbon Steel Pipes for General Structures Purposes (→CNS 4 4 3 5)
4438	G2046	withdrawn		Method of Test for Carbon Steel Pipes for Machine Structures Purposes (→CNS 4 4 3 7)
4621	G2047	withdrawn		Method of Test for Superior Atmospheric Corrosion Resisting Rolled Steels (→CNS 4 6 2 0)
4623	G2048	withdrawn		Method of Test for Hot-Rolled Mild Steel Plates, Sheets and Strips (→CNS 4 6 2 2)
4625	G2049	withdrawn		Method of Test for Hot-Rolled Carbon Steel Strip for Pipes and Tubes (→CNS 4 6 2 4)
4627	G2050	withdrawn		Method of Test for Carbon Steel Pipes for Pressure Service (→CNS 4 6 2 6)
4761	G2051	1997-10		General rules of chemical analysis for ferroalloys
4762	G2052	1986-07		Method of 5 percent sulfuric acid test for stainless steels
4763	G2053	2017-09		Method of ferric sulfate-sulfuric acid test for stainless steel
4764	G2054	2017-09		Method of 65 % nitric acid test for stainless steel
4765	G2055	1986-07		Method of nitric-hydrofluoric acid test for stainless steels
4766	G2056	2017-09		Method of copper sulfate-sulfuric acid test for stainless steel
4958	G2057	1997-10		General rules for fatigue testing of metals
5336	G2058	1997-10		Methods of elevated temperature tensile test for iron, steels and heat resisting alloys
5801	G2059	withdrawn		Method of Test for Alloy Steel Pipes for Machine Structures Purposes (→CNS 5 8 0 0)
5803	G2060	withdrawn		Method of Test for Stainless Steel Pipes for Machine Structural Purposes (→CNS 5 8 0 2)
5805	G2061	withdrawn		Method of Test for Carbon Steel Pipes for High Temperature Service (→CNS 5 8 0 4)
5807	G2062	withdrawn		Method of Test for Alloy Steel Pipes (→CNS 5 8 0 6)
6184	G2063	withdrawn		Method of Test for Light Gauge Steels for General Structure (→CNS 6 1 8 3)
6186	G2064	withdrawn		Method of Test for Welded Light Gauge Steel H Sections for General Structure (→CNS 6 1 8 5)
6332	G2065	withdrawn		Method of Test for Stainless Steel Pipes (→CNS 6 3 3 1)
6334	G2066	withdrawn		Method of Test for Steel Pipes for Low Temperature Service (→CNS 6 3 3 3)
6336	G2067	withdrawn		Method of Test for Carbon Steel Pipes for High Pressure Service (→CNS 6 3 3 5)
6446	G2068	withdrawn		Method for Test for Carbon Steel Pipes for Ordinary Piping (→CNS 6 4 4 5)
6448	G2069	withdrawn		Method of Test for Arc Welded Carbon Steel Pipes (→CNS 6 4 4 7)
6569	G2070	withdrawn		Method of Test for Coating Steel Pipes for Water Service (→CNS 6 5 6 8)
6667	G2071	withdrawn		Method of Test for Fittings of Coated Steel Pipes for Water Service (→CNS 6 6 6 6)
6669	G2072	withdrawn		Method of Test for Stainless Steel Sanitary Tubing (→CNS 6 6 6 8)
7142	G2073	withdrawn		Method of Test for Carbon Steel Rectangular Pipes for General Structural Purposes (→CNS 7 1 4 1)
7144	G2074	withdrawn		Method of Test for Steel Castings for Welded Structure (→CNS 7 1 4 3)
7146	G2075	withdrawn		Method of Test for High Tensile Strength Carbon Steel Castings and Low Alloy Steel Castings for Structural Purposes (→CNS 7 1 4 5)
7148	G2076	withdrawn		Method of Test for Steel Castings for High Temperature and High Pressure Service (→CNS 7 1 4 7)
7150	G2077	withdrawn		Method of Test for Steel Castings for Low Temperature and High

CNS no.	Category no.	Date of		Title
		Current edition		
				Pressure Service (→CNS 7 1 4 9)
7375	G2078	1997-10		Method of rotating bending fatigue testing of metals
7376	G2079	1997-10		Method of plane bending fatigue testing of metal plates
7378	G2080	withdrawn		Method of Test for Seamless Steel Tubes for High Pressure Gas Cylinder (→CNS 7 3 7 7)
7380	G2081	withdrawn		Method of Test for Carbon Steel Tubes for Boiler and Heat Exchanger (→CNS 7 3 7 9)
7382	G2082	withdrawn		Method of Test for Alloy Steel Tubes for Boiler and Heat Exchanger (→CNS 7 3 8 1)
7384	G2083	withdrawn		Method of Test for Stainless Steel Boiler and Heat Exchanger Tubes (→CNS 7 3 8 3)
7386	G2084	withdrawn		Method of Test for Steel heat Exchanger Tubes for Low Temperature Service (→CNS 7 3 8 5)
7480	G2085	withdrawn		Method of Test for Oil Tempered Silicon Manganese Alloy Steel Spring Wires (→CNS 7 4 7 9)
7793	G2086	withdrawn		Method of chemical analysis for ferrophosphorous
7795	G2087	withdrawn		Method of test for hot rolled stainless steel equal leg angles (→CNS 7 7 9 4)
7912	G2088	withdrawn		Method of test for cold finished stainless steel bars (→CNS 7 9 1 1)
7994	G2089	withdrawn		Method of test for welded H steels for general structures (→CNS 7 9 9 3)
7996	G2090	withdrawn		Method of Test for Oil Tempered Carbon Steel Wire for Valve Spring Use (→CNS 7 9 9 5)
7998	G2091	withdrawn		Method of Test for Oil Tempered Chromium Vanadium Alloy Steel Wires for Valve Spring (→CNS 7 9 9 7)
8000	G2092	withdrawn		Method of Test for Oil Tempered Chromium Silicon Alloy Steel Wires for Valve Spring (→CNS 7 9 9 9)
8001	G2093	withdrawn		Methods of chemical analysis for ferrotitanium
8002	G2094	withdrawn		Method of chemical analysis for ferrovanadium
8003	G2095	withdrawn		Methods of chemical analysis for ferrobore
8004	G2096	withdrawn		Methods of chemical analysis for carbon in manganese metal
8005	G2097	withdrawn		Methods of chemical analysis for silicon, phosphorus, sulphur and ferrite in manganese metal
8006	G2098	withdrawn		Methods of Chemical Analysis for Nickel in Ferronickel
8007	G2099	withdrawn		Methods of Chemical Analysis for Cobalt Carbon and Silica in Ferronickel
8008	G2100	withdrawn		Methods of Chemical Analysis for Manganese and Phosphorus in Ferronickel
8120	G2101	withdrawn		Method of test for stainless steel blooms and billets for forgings (→CNS 8 1 1 9)
8121	G2102	withdrawn		Methods of Chemical Analysis for Chromium, Sulphur and Copper in Ferronickel
8122	G2103	withdrawn		Method of chemical analysis for ferriobium
8123	G2104	withdrawn		Methods of chemical analysis for calcium and silica in calcium - silicon
8124	G2105	withdrawn		Method of chemical analysis for carbon in calcium - silicon
8280	G2106	withdrawn		Method of chemical analysis for silicon in metallic silicon (weight method)
8281	G2107	withdrawn		Method of chemical analysis for silicon in metallic silicon (neutralization titration method)
8282	G2108	withdrawn		Method of chemical analysis for carbon in metallic silicon (neutralization titration method)
8283	G2109	withdrawn		Method of chemical analysis for carbon in metallic silicon (Conductivity method)
8284	G2110	withdrawn		Method of chemical analysis for carbon in metallic silicon (Electric method)

CNS no.	Category no.	Date of		Title
		Current edition		
8285	G2111	withdrawn		Method of chemical analysis for phosphorus in metallic silicon (neutralization titration method)
8286	G2112	withdrawn		Method of chemical analysis for phosphorus in metallic silicon (molybdate blue absorptiometric method)
8287	G2113	withdrawn		Method of chemical analysis for sulphur in metallic silicon (Weight method)
8288	G2114	withdrawn		Method of chemical analysis for sulphur in metallic silicon (neutralization titration by combustion method)
8398	G2115	withdrawn		Method of test for stainless steel wires for springs (→C N S 8 3 9 7)
8400	G2116	withdrawn		Method of test for cold rolled stainless steel strip for springs (→C N S 8 3 9 9)
8401	G2117	withdrawn		Methods of chemical analysis for phosphorus in calcium- silicon
8402	G2118	withdrawn		Methods of chemical analysis for ferromolybdenum
8403	G2119	withdrawn		Methods of chemical analysis for chromium and carbon in chromium metal
8404	G2120	withdrawn		Methods of chemical analysis for silicon, phosphorus, sulphur, ferrite, and aluminum in chromium metal
8498	G2121	withdrawn		Method of Test for Hot Rolled Stainless Steel Sheets and Plates (→C N S 8 4 9 7)
8500	G2122	withdrawn		Method of Test for Cold Rolled Stainless Steel Sheets and Plates (→C N S 8 4 9 9)
8502	G2123	withdrawn		Method of test for slotted light gage angles
8970	G2124	withdrawn		Method of Test for Carbon Steel Plates for Pressure Vessels for Intermediate and Moderate Temperature Service (→C N S 8 9 6 9)
8972	G2125	withdrawn		Method of Test for Manganese-Molybdenum and Manganese-Molybdenum-Nickel Alloy Steel Plates for Boilers and Other Pressure Vessels (→C N S 8 9 7 1)
8974	G2126	withdrawn		Method of Test for Manganese-Molybdenum and Manganese-Molybdenum-Nickel Alloy Steel Plates Quenched and Tempered for Pressure Vessels (→C N S 8 9 7 3)
8976	G2127	withdrawn		Method of Test for Decarburized Steel Sheets and Strips for Porcelain Enameling (→C N S 8 9 7 5)
9264	G2128	withdrawn		Method of Test for Hot Rolled Stainless Steel Strips (→C N S 9 2 6 3)
9266	G2129	withdrawn		Method of Test for Cold Rolled Stainless Steel Strips (→C N S 9 2 6 5)
9271	G2130	withdrawn		Method of test for cast shot and grit grain size
9273	G2131	withdrawn		Method of Test for Steel Bars for Prestressed Concrete
9275	G2132	withdrawn		Method of Test for Hot - Rolled Steel Plates Sheets and Strip for Automobile Struceures (→C N S 9 2 7 4)
9277	G2133	withdrawn		Method of Test for Cold Finished Carbon and Alloy Steel Bars (→C N S 9 2 7 6)
9279	G2134	withdrawn		Method of Test for Cold Rolled Carbon Steel Sheets and Strips (→C N S 9 2 7 8)
9494	G2135	withdrawn		Method of chemical analysis for ferrite in metallic silicon (EDTA titration method)
9495	G2136	withdrawn		Method of chemical analysis for ferrite in metallic silicon (Sulfosalicylic acid absorptiometric method)
9496	G2137	withdrawn		Method of chemical analysis for ferrite in metallic silicon (Atomic absorptiometric method)
9497	G2138	withdrawn		Method of chemical analysis for aluminium in metallic silicon (EDTA titration method)
9498	G2139	withdrawn		Method of chemical analysis for aluminium in metallic silicon (Chrome azurol-S absorptiometric method)
9499	G2140	withdrawn		Method of chemical analysis for aluminium in metallic silicon(Atomic absorptiometric method)



CNS no.	Category no.	Date of		Title
		Current edition		
9500	G2141	withdrawn		Method of chemical analysis for calcium in metallic silicon (EDTA titration method)
9501	G2142	withdrawn		Method of chemical analysis for calcium in metallic silicon (GHA absorptiometric method)
9502	G2143	withdrawn		Method of chemical analysis for calcium in metallic silicon (Atomic absorptiometric method)
9605	G2144	withdrawn		Method of test for corrosion-resisting and heat-resisting superralloy bars (→CNS 9 6 0 4)
9607	G2145	withdrawn		Method of test for corrosion-resisting and heat-resisting superralloy sheets and plates (→CNS 9 6 0 6)
9609	G2146	withdrawn		Method of test for heat-resisting steel bars (→CNS 9 6 0 8)
9611	G2147	withdrawn		Method of test for heat-resisting steel sheets and plates (→CNS 9 6 1 0)
9859	G2148	withdrawn		Methods of chemical analysis for tungsten in ferrotungsten
9860	G2149	withdrawn		Methods of chemical analysis for carbon in ferrotungsten
9861	G2150	withdrawn		Methods of chemical analysis for silicon in ferrotungsten
9862	G2151	withdrawn		Methods of chemical analysis for manganese in ferrotungsten
9863	G2152	withdrawn		Methods of chemical analysis for phosphorus in ferrotungsten
9864	G2153	withdrawn		Methods of chemical analysis for sulfur in ferrotungsten
9865	G2154	withdrawn		Methods of chemical analysis for copper in ferrotungsten
9866	G2155	withdrawn		Methods of chemical analysis for bismuth in ferrotungsten
9867	G2156	withdrawn		Methods of chemical analysis for antimony in ferrotungsten
9868	G2157	withdrawn		Methods of chemical analysis for tin in ferrotungsten
9869	G2158	withdrawn		Methods of chemical analysis for arsenic in ferrotungsten
9870	G2159	withdrawn		General rules for method of test for clad steel
9872	G2160	withdrawn		Method of test for stainless-clad steel
9874	G2161	withdrawn		Method of test for nickel and nickel alloy clad steels
9876	G2162	withdrawn		Method of test for titanium clad steel
9878	G2163	withdrawn		Method of test for copper and copper alloy clad steel
9999	G2164	withdrawn		Hot-Dip Aluminium Coated Steel Sheets (→CNS 9 9 9 8)
10002	G2165	withdrawn		Method of Test for Seamless Nickel-Chromium-Iron Alloy Heat Exchanger Tubes (→CNS 1 0 0 0 1)
10004	G2166	withdrawn		Method of Test for Seamless Nickel-Chromium-Iron Alloy Pipes (→CNS 1 0 0 0 3)
10006	G2167	1984-12		Method for photoelectric emission spectrochemical analysis of iron and steel
10168	G2168	1983-04		Methods of measuring case depth for steel
10169	G2169	1983-04		Methods of measuring decarburized depth for steel
10170	G2170	2017-09		Method of oxalic acid etching test for stainless steel
10171	G2171	1983-04		Method of 42 percent magnesium chloride stress corrosion test for stainless steels
10172	G2172	1983-04		Method of ferric chloride corrosion test for stainless steels
10259	G2173	withdrawn		Methods of chemical analysis for silicon in ferrosilico-chromium
10260	G2174	withdrawn		Methods of chemical analysis for chromium in ferrosilico-chromium
10261	G2175	withdrawn		Methods of chemical analysis for carbon in ferrosilico-chromium
10262	G2176	withdrawn		Methods of chemical analysis for phosphorus in ferrosilico-chromium
10436	G2177	2000-05		Method of austenite grain size determination for steel
10437	G2178	2000-05		Method of ferrite grain size test for steel
10438	G2179	2019-09		Macroscopic examination by etching for steels
10500	G2180	1984-10		General Rules for X-Ray Fluorescence Spectrometric Analysis of Iron and Steel
10501	G2181	withdrawn		Method for X-ray fluorescence spectrometric analysis of stainless steel
10502	G2182	1984-10		Method for X-ray fluorescence spectrometric analysis of pig iron, cast iron, carbon steel and low alloy steel
10503	G2183	1984-10		Emission-spectroscopic analysis for pig iron and cast iron
10504	G2184	withdrawn		Methods of chemical analysis for chromium in ferrochromium

CNS no.	Category no.	Date of		Title
		Current edition		
10505	G2185	withdrawn		Methods of chemical analysis for carbon in ferrochromium
10506	G2186	withdrawn		Methods of chemical analysis for silicon in ferrochromium
10507	G2187	withdrawn		Methods of chemical for phosphorus in ferrochromium
10508	G2188	withdrawn		Methods of chemical analysis for sulfur in ferrochromium
10509	G2189	withdrawn		Methods of chemical analysis for nitrogen in ferrochromium
10567	G2190	1986-07		General Rules for Sampling of Ferroalloys
10569	G2191	withdrawn		Method of Test for Electrolytic Zin - Coated Steel Sheets and Strips (→CNS 1 0 5 6 8)
10654	G2192	withdrawn		Methods of Sampling for Ferrosilicon (→CNS 1 1 6 2 9)
10655	G2193	withdrawn		Methods of Sampling for Ferromanganese (→CNS 1 1 6 2 9)
10656	G2194	withdrawn		Methods of Sampling for Silicon - Manganese (→CNS 1 1 6 2 9)
10715	G2195	withdrawn		Method of Test for Galvanized Low Carbon Steel Wires for Armoring Cables
10717	G2196	withdrawn		Method of Test for Chromium-Molybdenum Alloy Steel Plates for Pressure Vessels (→CNS 1 0 7 1 6)
10745	G2197	withdrawn		Method of Test for Centrifugally Cast Steel Pipes for Welded Structure (→CNS 1 0 7 4 4)
10747	G2198	withdrawn		Method of Test for Centrifugally Cast Steel Pipes for High Temperature and High Pressure Service (→CNS 1 0 7 4 6)
10748	G2199	withdrawn		Methods of Sampling for High Carbon Ferrochromium (→CNS 1 1 6 2 9)
10749	G2200	withdrawn		Methods of Sampling for Medium Carbon Ferrochromium (→CNS 1 1 6 2 9)
10750	G2201	withdrawn		Methods of Sampling for Low Carbon Ferrochromium (→CNS 1 1 6 2 9)
10751	G2202	withdrawn		Methods of Sampling for Ferrotungsten (→CNS 1 1 6 3 0)
10752	G2203	withdrawn		Methods of Sampling for Ferromolybdenum (→CNS 1 1 6 3 0)
10753	G2204	withdrawn		Methods of Sampling for Ferrovanadium (→CNS 1 1 6 3 0)
10754	G2205	withdrawn		Methods of Sampling for Ferrotitanium (→CNS 1 1 6 3 0)
10755	G2206	withdrawn		Methods of Sampling for Ferrophosphorus (→CNS 1 1 6 3 1)
10772	G2207	withdrawn		Method of test for spring steels
10773	G2208	withdrawn		Method of Test for Carbon Steel Castings (→CNS 2 9 0 6)
10805	G2209	withdrawn		Method of Test for Precoated Galvanized Sheets (→CNS 1 0 8 0 4)
10807	G2210	withdrawn		Method of test for cold-rolled formed stainless steel equal leg angles (→CNS 1 0 8 0 6)
10809	G2211	withdrawn		Method of Test for Ductile iron Pipes (→CNS 1 0 8 0 8)
10810	G2212	withdrawn		Methods of Sampling for Metallic Manganese (→CNS 1 1 6 3 1)
10811	G2213	withdrawn		Methods of Sampling for Silicon Metal (→CNS 1 1 6 3 1)
10812	G2214	withdrawn		Methods of Sampling for Metallic Chromium (→CNS 1 1 6 3 1)
10813	G2215	withdrawn		Methods of Sampling for Calcium - Silicon (→CNS 1 1 6 3 1)
10814	G2216	withdrawn		Methods of Sampling for Silicon - Chromium (→CNS 1 1 6 2 9)
10815	G2217	withdrawn		Methods of Sampling for Ferroboron (→CNS 1 1 6 3 1)
10816	G2218	withdrawn		Methods of Sampling for Ferroniobium (→CNS 1 1 6 3 0)
10857	G2219	1994-05		Steel Forgings - General Technical Requirements
10858	G2220	withdrawn		Method of Test for Carbon Steel Forgings for Pressure Vessels
11012	G2221	2008-01		Iron and steel - General rules for analytical methods
11013	G2222	2001-06		Iron and steel—Methods for determination of silicon content
11014	G2223	1984-09		Methods of determination for manganese in iron and steel
11015	G2224	2001-06		Iron and steel—Methods for determination of phosphorus content
11065	G2225	withdrawn		Method of Test for Quenched and Tempered Alloy Steel Forgings for

CNS no.	Category no.	Date of		Title
		Current edition		
				Pressure Vessels
11066	G2226	withdrawn		Method of Test for Alloy Steel Forgings for Pressure Vessels for High Temperature Services
11068	G2227	withdrawn		Method of Test for Carbon and Alloy Steel Forgings for Pressure Vessels for Low Temperature Service
11069	G2228	2001-06		Iron and steel—Methods for determination of Carbon content
11070	G2229	1984-10		General rules of determination for carbon in metallic materials
11071	G2230	1984-10		Emission-spectroscopic analysis for carbon steel and low alloy steel
11072	G2231	1984-10		Method of X-ray fluorescence spectrometric analysis of iron and steel
11108	G2232	withdrawn		Method of Test for High Strength Steel Plates for Pressure Vessels for Intermediate and Moderate Temperature Service (→CNS 1 1 1 0 7)
11110	G2233	withdrawn		Method of Test for High Yield Strength Steel Plates for Welded Structure (→CNS 1 1 1 0 9)
11165	G2234	2001-07		Iron and steel—Methods for determination of copper content
11166	G2235	2001-07		Iron and steel—Methods for determination of tungsten content
11167	G2236	2001-10		Iron and steel—Methods for determination of vanadium content
11168	G2237	2004-04		Iron and steel—Methods for determination of cobalt content
11206	G2238	2002-06		Iron and steel—Methods for atomic absorption spectrometric analysis
11208	G2239	withdrawn		Method of test for hollow drill steels (→CNS 1 1 2 0 7)
11242	G2240	withdrawn		Method of Test for Chromium Plated Tin Free Steel (→CNS 1 1 2 4 1)
11243	G2241	2001-10		Iron and steel - Methods for determination of titanium content
11244	G2242	2004-04		Iron and steel—Methods for determination of aluminium content
11245	G2243	2001-10		Iron and steel-Methods for determination of arsenic content
11246	G2244	2001-10		Iron and steel-Methods for determination of tin content
11302	G2245	2001-10		Iron and steel-Methods for determination of chromium content
11303	G2246	2001-10		Iron and steel-Methods for determination of boron content
11304	G2247	2002-03		Iron and steel— Methods for determination of nitrogen content
11305	G2248	2002-03		Steel— Methods for determination of lead content
11306	G2249	1985-07		Methods of determination for zirconium in steel
11361	G2250	withdrawn		Method of test for cold-rolled steel strips for springs (→CNS 1 1 3 6 0)
11387	G2251	2001-06		Iron and steel—Methods for determination of sulfur content
11388	G2252	2001-07		Iron and steel—Methods for determination of nickel content
11389	G2253	2001-07		Iron and steel—Methods for determination of molybdenum content
11390	G2254	1985-10		General rules of determination for sulfur in metallic materials
11447	G2255	2002-03		Steel— Method for determination of selenium content
11448	G2256	1985-12		Methods of determination for tellurium in steel
11449	G2257	1985-12		Methods of determination for antimony in iron and steel
11450	G2258	2002-03		Steel— Method for determination of tantalum content
11451	G2259	2002-03		Iron and steel—Methods for determination of niobium content
11452	G2260	1985-12		Methods of chemical analysis for nickel-chromium-iron alloys
11520	G2261	1986-03		Method of pitting potential measurement for stainless steels
11521	G2262	1986-03		Method for making anode polarization measurement for stainless steels
11576	G2263	1986-05		Method for fluorescent X-ray analysis of ferroalloys
11629	G2264	withdrawn		Methods of sampling for chemical analysis of ferroalloys (Part 1: Ferromanganese ferrosilicon, ferrochromium, ferrosilicomanganese and ferrosilicochromium)
11630	G2265	withdrawn		Methods of sampling for chemical analysis of ferroalloys (Part 2: Ferrotungsten ferromolybdenum ferrovanadium ferrotitanium and ferroniobium)
11631	G2266	withdrawn		Methods of sampling for chemical analysis of ferroalloys (Part 3:Ferrophosphorus, manganese metal, silicon metal, chromium metal, calcium silicon and ferroboron)

CNS no.	Category no.	Date of		Title
		Current edition		
11632	G2267	withdrawn		Methods of sampling for size analysis of ferroalloys and size determination
12258	G2268	1988-04		Method of electrochemical reactivation ratio measurement for stainless steels
13100	G2269	1992-12		Test Pieces of Transverse Test for Metallic Materials
13388	G2270	1994-05		Methods for Inductively Coupled Plasma Emission Spectrochemical Analysis of Steel
13388-0	G2270-0	2015-08		Iron and steel - ICP atomic emission spectrometric method – Part 0: General rules
13388-7	G2270-7	2015-08		Iron and steel - ICP atomic emission spectrometric method - Part 7: Determination of boron content - Distillation as trimethyl borate
13391	G2271	1994-06		Steel Castings - General Technical Requirements
14288	G2272	2006-07		Method of measuring nitrided case depth for iron and steel
14289	G2273	2006-07		Method of measuring surface hardness for nitrided iron and steel
14290	G2274	1998-12		Method of tensile creep test for metallic materials
14291	G2275	1998-12		Method of tensile creep rupture test for metallic materials
14310	G2276	2012-01		Method of determining the plastic strain ratio for metallic sheet and strip
14311	G2277	2019-12		Method of determining the tensile strain hardening exponent for metallic sheet and strip
14312	G2278	1999-06		Method of tensile stress relaxation test for metallic materials
14502	G2279	2018-08		Steel and steel products – Location and preparation of samples and test pieces for mechanical testing
14893	G2280	2005-02		General rules for determination of oxygen in metallic materials
14894	G2281	2005-02		General rules for determination of hydrogen in metallic materials
15161	G2282	2008-01		Iron and steel - Sampling and preparation of samples for the determination of chemical composition
15162	G2283	2008-01		Standard test methods for heat analysis of steel products
15163	G2284	2008-01		Method of test for hydrogen embrittlement resistance for steel wire hard drawn used for prestressing concrete pipe
15235	G2285	2009-03		Methods of accelerated cyclic corrosion resistance tests for anodic coatings with exposure to salt spray, dry and wet conditions

## Materials and Products

	265	G3001	withdrawn	Ferrosilicon (→CNS 2 1 4 8 )
	575	G3002	2006-12	Steel bars for rivets
	637	G3003	withdrawn	Flat-headed nails
	638	G3004	withdrawn	Round nails
	639	G3005	withdrawn	Flat round nails
	640	G3006	withdrawn	Large-headed nails
	641	G3007	withdrawn	J-shaped nails
	642	G3008	withdrawn	U-shaped nails
	825	G3009	withdrawn	Tin Plate (Hot-Dip Method) (→CNS 4 1 5 5 )
	908	G3010	withdrawn	Steel umbrella ribs and shaft
*	941	G3011	2015-07	Wire ropes
	942	G3012	withdrawn	6×7 Wire rope with fiber center core (→CNS 9 4 1 )
	943	G3013	withdrawn	6×12 Wire Rope with 6 Fiber Core 1 Fiber Center Core
	944	G3014	withdrawn	6×19 Wire Rope with Fiber Center Core (→CNS 9 4 1 )
	945	G3015	withdrawn	6×24 Wire Rope with 6 Fiber Core 1 Fiber Center Core (→CNS 9 4 1 )
	946	G3016	withdrawn	6×30 Wire Rope With 6 Fiber Core 1 Fiber Center Core
	947	G3017	withdrawn	6×37 Wire Rope with Fiber Center Core (→CNS 9 4 1 )
	948	G3018	withdrawn	6×61 Wire Rope with Fiber Center Core
	949	G3019	withdrawn	Flattened Type 6×F ((3×2+3)+7) Wire Rope with Fiber Center Core
	950	G3020	withdrawn	Flattened Type 6×F ((3×2+3)+12+12) Wire Rope with Fiber Center Core
	951	G3021	withdrawn	Seal Type 6×S(19) Wire Rope with Fiber Center Core (→CNS 9 4 1 )

CNS no.	Category no.	Date of		Title
		Current edition		
952	G3022	withdrawn		Warrington Type 6×W(19) Wire Rope with Fiber Center Core (→CNS 9 4 1)
953	G3023	withdrawn		Filler Type 6×Fi (25) Wire Rope with Fiber Center Core (→CNS 9 4 1)
1180	G3024	withdrawn		Wire rope for fishing
1242	G3025	withdrawn		Hot Rolled Steel Sheet of Regular Grade (Withdrawn) (→CNS 4 6 2 2)
1243	G3026	withdrawn		Hot Rolled Steel Sheet of Physical Grade (Withdrawn) (→CNS 4 6 2 2)
1244	G3027	2013-11		Hot-dip zinc-coated steel sheet and coil
1435	G3028	withdrawn		Nails
1468	G3029	2016-05		Low carbon steel wires
* 2056	G3030	withdrawn		Welded steel pipes for low pressure use
* 2065	G3031	1996-03		Pig Iron for Steel Making
2065-1	G3031-1	1996-03		Foundry Pig Iron
2066	G3032	withdrawn		Steel Wire Rods (Withdrawn) (→CNS 3 6 9 6、8 6 9 3)
* 2067	G3033	2014-09		Wire rods for core wire of covered electrode
* 2148	G3034	1991-08		Ferrosilicon
* 2150	G3035	1991-08		Ferromanganese
2152	G3036	1991-08		Silicon manganese
2323	G3037	1986-06		Barbed wire
2472	G3038	1992-12		Gray iron castings
* 2473	G3039	2014-02		Rolled steels for general structure
2520	G3040	1991-08		Ferrophosphorus
2666	G3041	withdrawn		Seal Type 6×S (19) Wire Rope with Independent Wire Rope Core (→CNS 9 4 1)
2667	G3042	withdrawn		Filler Type 6×Fi (25) Wire Rope With Independent Wire Rope Core (→CNS 9 4 1)
2668	G3043	withdrawn		Seal Type 8×S (19) Wire Rope with Fiber Center Core (→CNS 9 4 1)
2669	G3044	withdrawn		Warrington Type 8×W (19) Wire Rope with Fiber Center Core (→CNS 9 4 1)
2670	G3045	withdrawn		Filler Type 8×Fi (25) Wire Rope with Fiber Center Core (→CNS 9 4 1)
2671	G3046	1994-07		Galvanized low carbon steel wire strand
2672	G3047	2019-03		Zinc-coated steel wire strands
2673	G3048	1996-11		Carbon Steel Forgings for General Use
2699	G3049	withdrawn		Carbon Steel Sach Bar
2904	G3050	1997-06		High speed tool steels
* 2905	G3051	1997-06		Spring steels
* 2906	G3052	1994-12		Carbon steel castings
2907	G3053	withdrawn		Carbon Billet for Forging and Rollings
2936	G3054	1994-08		Blackheart malleable iron castings
2937	G3055	1994-08		Whiteheart malleable iron castings
2938	G3056	1994-08		Pearlitic malleable iron castings
* 2947	G3057	2014-02		Rolled steels for welded structure
2964	G3058	1997-06		Carbon tool steels
2965	G3059	1992-06		Alloy tool steels
3014	G3060	2001-10		High carbon chromium bearing steels
3159	G3061	withdrawn		Steel Pipes, Welded and Zinc Coated, for Water Supply
3198	G3062	1982-05		Silicon sand (for castings)
3229	G3063	2018-05		Low-alloyed steels for machine structural use
3230	G3064	withdrawn		Nickel chromium steel for machine structural use (replaced by CNS 3229)
3231	G3065	withdrawn		Chromium steel for machine structural use (replaced by CNS 3229)
3269	G3066	withdrawn		Cold Drawn Steel Bars (→CNS 9 2 7 6)
3270	G3067	2016-11		Stainless steel bars

Ferrous Materials  
and Metallurgy

		Date of		
CNS no.	Category no.	Current edition	Title	
	3271	G3068	withdrawn	Nickel chromium molybdenum steels for machine structural use (replaced by CNS 3229)
*	3290	G3069	2019-03	Piano wires
	3291	G3070	1993-05	Steel bars for chains
	3292	G3071	1991-08	Classification standard for iron and steel scraps
	3331	G3072	withdrawn	Rolled Steel for Boilers and Other Pressure Vessels for High Temperature Services (→CNS 8696)
	3332	G3073	2016-05	Steel wires and strands for prestressed concrete
*	3379	G3074	2019-03	Piano wire rods
	3475	G3075	withdrawn	Ferrochromium
	3476	G3076	2016-11	Stainless steel wires
	3477	G3077	2016-11	Stainless steel wire rods
	3696	G3078	2019-03	High carbon steel wire rods
*	3697	G3079	2019-03	Hard drawn steel wires
	3780	G3080	withdrawn	Manganese metal
	3782	G3081	withdrawn	Silicon chromium
	3784	G3082	withdrawn	Ferronickel
	3824	G3083	withdrawn	Ferrotungsten
	3826	G3084	withdrawn	Ferromolybdenum
	3827	G3085	withdrawn	Ferrovandium
*	3828	G3086	2014-02	Carbon steels for machine structural use
*	3830	G3087	1994-08	High manganese steel castings
	3832	G3088	withdrawn	6×7 Wire Rope with Independent Wire Strand Core (→CNS 941)
	3833	G3089	withdrawn	6×19 Wire Rope with Independent Wire Strand Core (→CNS 941)
	3834	G3090	withdrawn	6×37 Wire Rope with Independent Wire Strand Core (→CNS 941)
	3892	G3091	2006-12	Hot rolled carbon steel for cold-finished steel bars
	4000	G3092	1994-08	Stainless steel castings
*	4002	G3093	1994-08	Heat resisting steel castings
	4004	G3094	2003-09	Resulphurized free cutting carbon steels
	4041	G3095	1996-11	Chromium Molybdenum Steel Forgings for General Use
	4043	G3096	1996-11	Nickle Chromium Molybdenum Steel Forgings for General Use
	4155	G3097	2020-05	Tinplate and blackplate
*	4178	G3098	withdrawn	Welded steel pipes for high pressure use
	4269	G3099	2014-06	Hot-rolled atmospheric corrosion resisting steels for welded structure
*	4271	G3100	2018-05	Steel plates for pressure vessels for intermediate temperature service
	4273	G3101	2001-06	Steel plates,sheets and strips for gas cylinders
*	4435	G3102	2018-12	Carbon steel tubes for general structure
*	4437	G3103	2020-03	Carbon steel tubes for machine structure
*	4442	G3104	1994-02	Oil tempered carbon steel wires for springs
*	4443	G3105	1997-06	Alloy steel bars for special application bolting materials
	4444	G3106	withdrawn	Aluminium chromium molybdenum steels for machine structural use (replaced by CNS 3229)
	4445	G3107	withdrawn	Manganese steels and manganese chromium steels for machine structural use (replaced by CNS 3229)
*	4620	G3108	2014-06	Superior atmospheric corrosion resisting rolled steels
	4622	G3109	2018-05	Hot-rolled mild steel plates, sheets and strips
*	4624	G3110	1993-02	Hot-rolled carbon steel strip for pipes and tubes
*	4626	G3111	2012-09	Carbon steel pipes for pressure service
	5121	G3112	withdrawn	Ferroboron
	5122	G3113	withdrawn	Ferrotitanium
	5123	G3114	withdrawn	Ferroniobium
	5124	G3115	withdrawn	Calcium silicon
	5125	G3116	withdrawn	Chromium metal
	5126	G3117	withdrawn	Silicon metal
*	5800	G3118	1995-05	Alloy steel pipes for machine structures

	CNS no.	Category no.	Date of Current edition	Title
	5802	G3119	2012-09	Stainless steel tubes for machine and structural purposes
*	5804	G3120	1995-04	Carbon steel pipes for high temperature service
*	5806	G3121	1995-04	Alloy steel pipes
	6183	G3122	2000-11	Light gauge steels for general structures
*	6185	G3123	2000-11	Welded light gauge H steels for general structures
	6331	G3124	2017-05	Stainless steel pipes
*	6333	G3125	1995-04	Steel pipes for low temperature service
*	6335	G3126	2012-09	Carbon steel pipes for high pressure service
*	6445	G3127	2012-09	Carbon steel pipes for ordinary piping
*	6447	G3128	1995-01	Arc welded carbon steel pipes
	6568	G3129	2010-08	Coated steel pipes for water service
	6666	G3130	2001-10	Fittings of coated steel pipes for service
	6668	G3131	2017-05	Stainless steel sanitary pipes
	6919	G3132	2016-05	Welded steel wire and bar fabrics
*	6920	G3133	1995-05	Corrugated steel pipes and sections
*	7141	G3134	2018-12	Carbon steel square and rectangular tubes for general structure
	7143	G3135	1994-12	Steel castings for welded structure
	7145	G3136	1994-12	High tensile strength carbon steel castings and low alloy steel castings for structural purposes
	7147	G3137	1994-12	Steel castings for high temperature and high pressure service
	7149	G3138	1994-12	Steel castings for low temperature and high pressure service
*	7377	G3139	1995-08	Seamless steel tubes for high pressure gas cylinder
*	7379	G3140	1995-06	Carbon steel tubes for boiler and heat exchanger
*	7381	G3141	1995-06	Alloy steel tubes for boiler and heat exchanger
	7383	G3142	2017-05	Stainless steel boiler and heat exchanger tubes
*	7385	G3143	1995-06	Steel Tubes for Low Temperature Service Heat Exchanger
	7479	G3144	1994-02	Oil tempered silicon manganese alloy steel wires for springs
	7481	G3145	withdrawn	Filler Type 6 × Fi (29) Wire Rope With Fiber Center Core (→ C N S 9 4 1 )
	7482	G3146	withdrawn	Filler Type 6 × Fi (29) Wire Rope With Independent Wire Rope Core (→ C N S 9 4 1 )
	7483	G3147	withdrawn	Warrington Seal Type 6 × WS (26) Wire Rope With Fiber Center Core (→ C N S 9 4 1 )
	7484	G3148	withdrawn	Warrington Seal Type 6 × WS (31) Wire Rope with Fiber Center Core (→ C N S 9 4 1 )
	7485	G3149	withdrawn	Warrington Seal Type 6 × WS (36) Wire Rope with Fiber Center Core (→ C N S 9 4 1 )
	7486	G3150	withdrawn	Warrington Seal Type 6 × WS (41) Wire Rope with Fiber Center Core (→ C N S 9 4 1 )
	7487	G3151	withdrawn	Semi - Seal Type 6 × SeS (37) Wire Rope with Fiber Center Core (→ C N S 9 4 1 )
	7794	G3152	2017-05	Hot-formed stainless steel sections
	7911	G3153	2016-11	Cold finished stainless steel bars
	7993	G3154	2002-05	Welded H steel for general structures
	7995	G3155	1994-02	Oil tempered carbon steel wires for valve springs
	7997	G3156	1994-02	Oil tempered chromium vanadium alloy steel wires for valve spring
	7999	G3157	1994-02	Oil tempered chromium silicon alloy steel wires for valve springs
	8119	G3158	2017-05	Stainless steel blooms and billets for forgings
*	8276	G3159	1996-11	Carbon Steel Blooms and Billets for Forgings
	8277	G3160	2006-12	Rerolled carbon steel
	8397	G3161	1998-03	Stainless steel wires for spring
	8399	G3162	1998-06	Cold rolled stainless steel strip for springs
	8497	G3163	2016-11	Hot-rolled stainless steel plates, sheets and strips
	8499	G3164	2016-11	Cold-rolled stainless steel plates, sheets and strips
	8501	G3165	withdrawn	Slotted light gage steel
	8693	G3166	2019-03	Low carbon steel wire rods
	8694	G3167	withdrawn	Carbon steel wire rods for cold heading and cold forging (replaced

CNS no.	Category no.	Date of		Title
		Current edition		
				by CNS 8694-1)
8694-1	G3167-1	2019-03		Carbon steels for cold heading – Part 1: Wire rods
8694-2	G3167-2	2019-03		Carbon steels for cold heading – Part 2: Wires
8695	G3168	1994-04		Hard drawn steel wires for prestressed concrete
8696	G3169	2014-02		Carbon steel and molybdenum alloy steel plates for boilers and pressure vessels
8697	G3170	1995-10		Carbon steel plates for pressure vessels for low temperature service
8698	G3171	1995-10		Nickel steel plates for pressure vessels for low temperature service
8699	G3172	1996-11		Carbon Steel Forgings for Pressure Vessels
8700	G3173	1996-11		Quenched and Tempered Alloy Steel Forgings for Pressure Vessels
8701	G3174	1996-11		Alloy Steel Forgings for Pressure Vessels for High Temperature Service
8702	G3175	2005-12		Stainless steel forgings for pressure vessels
8826	G3176	2003-10		Chain link wire netting
8827	G3177	2003-10		Crimped wire cloth
8828	G3178	2003-10		Hexagonal wire netting
8829	G3179	2003-10		Industrial woven wire cloth
8967	G3180	withdrawn		MAG welding solid wires for mild steel and high strength steel
8968	G3181	withdrawn		Core wires for covered electrode
8969	G3182	1995-10		Carbon steel plates for pressure vessels for intermediate and moderate temperature service
8971	G3183	1995-10		Manganese-molybdenum and manganese-molybdenum-nickel alloy steel plates for boilers and pressure vessels
8973	G3184	1995-10		Quenched and tempered manganese-molybdenum and manganese-molybdenum-nickel alloy steel plates for pressure vessels
8975	G3185	2002-05		Decarburized steel sheets and strips for porcelain enamelling
9262	G3186	withdrawn		Sheet bar
9263	G3187	withdrawn		Hot rolled stainless steel strips (→CNS 8 4 9 7)
9265	G3188	withdrawn		Cold rolled stainless steel strips (→CNS 8 4 9 9)
9268	G3189	2016-11		Stainless steel wires for cold heading and cold forging
9269	G3190	withdrawn		Stainless steel wire rods for welding(replaced by CNS 13008 and CNS 3507)
9270	G3191	withdrawn		Cast shot and grit
9272	G3192	2016-05		Steel bars for prestressed concrete
9274	G3193	2018-05		Hot-rolled steel plate, sheet and strip for automobile structural uses
9276	G3194	2006-12		Cold finished carbon and alloy steel bars
9278	G3195	2018-05		Cold-reduced carbon steel plates, sheets and strips
*	G3196	1995-03		Wire ropes for aeronautical use
	G3197	1998-02		Corrosion-resisting and heat-resisting superalloy bars
	G3198	1998-02		Corrosion-resisting and heat-resisting superalloy plates and sheets
	G3199	1998-02		Heat-resisting steel bars
	G3200	1998-02		Heat-resisting plates and sheets
	G3201	1988-09		Steel decks
	G3202	withdrawn		Stainless-clad steel
	G3203	withdrawn		Nickel and nickel alloy clad steels
	G3204	withdrawn		Titanium clad steels
	G3205	withdrawn		Copper and copper alloy clad steels
	G3206	2021-09		Hot-dip aluminium-coated steel sheet and strip
10000	G3207	1995-03		Wire ropes for mechanical control
10001	G3208	1995-08		Seamless nickel-chromium-iron alloy tubes for heat exchanger
10003	G3209	1995-08		Seamless of nickel-chromium-iron alloy pipes for piping
10439	G3210	2005-09		Alloy steel bolting materials for high temperature applications
10568	G3211	2002-05		Electrolytic zinc-coated steel sheets and coils
10714	G3212	withdrawn		Galvanized Low Carbon Steel Wires for Armoring Cables
10716	G3213	1995-10		Chromium-molybdenum alloy steel plates for boilers and pressure vessels
10718	G3214	withdrawn		Cushioned carbon steel pipe clamp



CNS no.	Category no.	Date of		Title
		Current edition		
10744	G3215	1995-08		Centrifugally cast steel pipes for welded structures
10746	G3216	1995-08		Centrifugally cast steel pipes for high pressure service at high temperature
10804	G3217	2013-11		Prepainted hot-dip zinc-coated steel sheet and coil
10806	G3218	2017-05		Cold-formed stainless steel sections
10808	G3219	2019-12		Ductile iron pipes (Amendment 1)
10939	G3220	withdrawn		Carbon steel wires for cold heading and cold forging (replaced by CNS 8694-2)
10940	G3221	2003-10		Precoated color zinc-coated steel wires
11067	G3222	1996-11		Carbon and Alloy Steel Forgings for Pressure Vessels for Low Temperature Service
11107	G3223	1995-10		High strength steel plates for pressure vessels for intermediate and moderate temperature service
11109	G3224	2001-10		High yield strength steel plates for welded structure
11207	G3225	1997-06		Hollow drill steels
11241	G3226	2020-05		Electrolytic chromium/chromium oxide-coated tin free steel
11360	G3227	2003-09		Cold-rolled steel strips for springs
11362	G3228	2003-10		Polyvinyl chloride coated color steel wires
11363	G3229	1994-07		Hop - dip aluminium coated steel wires
11999	G3230	1987-06		Structural steels with specified hardenability bands
*	12241	G3231	1988-04	Steel plates, sheets for layered pressure vessels
	12488	G3232	withdrawn	Sintered carbon steel structural parts
	12489	G3233	withdrawn	Sintered stainless steel structural parts
	12529	G3234	withdrawn	Iron powder
	12576	G3235	withdrawn	Warrington Type 6×W (19) Wire Rope with Independent Wire Rope Core (→CNS 9 4 1)
	12577	G3236	withdrawn	Warrington Seal Type 6×WS (26) Wire Rope with Independent Wire Rope Core (→CNS 9 4 1)
	12578	G3237	withdrawn	Warrington Seal Type 6×WS (31) Wire Rope with Independent Wire Rope Core (→CNS 9 4 1)
	12579	G3238	withdrawn	Warrington Seal Type 6×WS (36) Wire Rope with Independent Wire Rope Core (→CNS 9 4 1)
	12580	G3239	withdrawn	Warrington Seal Type 6×WS (41) Wire Rope with Independent Wire Rope Core (→CNS 9 4 1)
	12581	G3240	withdrawn	Semi-Seal Type 6×SeS (37) Wire Rope with Independent Wire Rope Core (→CNS 9 4 1)
	12582	G3241	withdrawn	Hercules Type 18×7 Wire Rope with Fiber Center Core
	12583	G3242	withdrawn	Hercules Type 19×7 Wire Rope with Independent Wire Strand Core (→CNS 9 4 1)
	12584	G3243	withdrawn	Nuflex Type 34×7 Wire Rope with Fiber Center Core
	12585	G3244	withdrawn	Nuflex Type 35×7 Wire Rope with Independent Wire Strand Core
	12657	G3245	1990-01	Method of test for magnetic particle of ferromagnetic materials and classification of magnetic particle indication
*	12728	G3246	1990-06	Expanded steels
	13061	G3247	1992-11	High tensile strength steels for tower structural purposes
	13098	G3248	1992-12	Austempered spheroidal graphite iron castings
	13099	G3249	1992-12	Austenitic iron castings
	13154	G3250	2003-09	Cold-rolled special steel strips
	13216	G3251	1993-06	Hot - rolled high strength steel sheets with improved formability for automobile structural uses
	13217	G3252	1993-06	Cold rolled high strength steel sheets with improved formability for automobile structural uses
	13272	G3253	2022-07	Ductile iron fittings
	13273	G3254	2020-05	Epoxy-powder coating for interior of ductile iron pipes and fittings
	13343	G3255	1994-02	Oil tempered chromium silicon alloy steel wires for springs
	13377	G3256	1994-04	Boron steel wire rods for cold heading and cold forging
	13378	G3257	1994-04	Boron steel wires for cold heading and cold forging

Ferrous Materials  
and Metallurgy

CNS no.	Category no.	Date of		Title
		Current edition		
13392	G3258	2017-05		Light gauge stainless steel tubes for ordinary piping
13517	G3259	2017-05		Large diameter welded stainless steel pipes
13638	G3260	2003-11		Polyethylene coated steel pipes
13639	G3261	1996-03		Steel Tubes for Fired Heaters
13812	G3262	2014-02		Rolled steels for building structure
13817	G3263	1997-03		Passive film on stainless steel parts
14302	G3264	1999-04		Zinc-coated low carbon steel wires
14401-1	G3265-1	2000-01		Petroleum and natural gas industries - Steel pipe for pipelines- Technical delivery conditions Part 1 : Pipes of requirement class A
14401-2	G3265-2	2000-01		Petroleum and natural gas industries - Steel pipe for pipelines- Technical delivery conditions Part 2: Pipes of requirement class B
14438	G3266	2000-07		Compacted graphite iron castings
14859	G3267	2010-11		Ductile iron pipes, fittings accessories and their joints for sewerage applications
15108	G3268	2007-06		Stainless steel flexible joint of corrugated tubing for underground piping
15164	G3269	2008-01		Hard drawn steel wire for prestressing concrete pipe
15236	G3270	2013-11		Hot-dip zinc-5 % aluminium alloy-coated steel sheet and coil
15237	G3271	2013-11		Hot-dip 55 % aluminium-zinc alloy-coated steel sheet and coil
15298	G3272	2013-11		Prepaninted hot-dip zinc-5 % aluminium alloy-coated steel sheet and coil
15299	G3273	2013-11		Prepainted hot-dip 55 % aluminium-zinc alloy-coated steel sheet and coil
15485	G3274	2011-08		Ferronickel
15504	G3275	2011-10		Higher yield strength steel plates for bridges
* 15604	G3276	2012-11		Corrugated stainless steel tubes for water supply
15727	G3277	2014-06		Carbon steel tubes for building structure
15822	G3278	2015-07		Metallic flexible hoses for gas
15898	G3279	2016-05		Small diameter steel bars for prestressed concrete
16049	G3280	2018-06		Electric resistance welded carbon steel tubes for automobile
16165	G3281	2022-04		Ductile iron pipes, fittings and accessories – External polyurethane coating for pipes – Requirements and test methods
16166	G3282	2022-08		Hot-dip zinc-aluminium-magnesium alloy-coated steel sheet and strip

## H Non-ferrous Materials and Metallurgy

Non-ferrous  
Materials and  
Metallurgy

CNS no.	Category no.	Date of		Title
		Current edition		
<b>General</b>				
369	H1001	withdrawn		Properties and Application of Brass Castings (→CNS 4 3 3 6)
648	H1002	withdrawn		Dimension of Round Aluminum Wires (→CNS 3 6 6 7)
649	H1003	withdrawn		Chemical Composition and Mechanical Properties of Aluminium Wires (→CNS 3 6 6 7)
650	H1004	withdrawn		Dimension of Round Lead Bars (→CNS 3 6 6 7)
651	H1005	withdrawn		Lead Wires (→CNS 2 2 2 5)
652	H1006	withdrawn		Chemical Composition and Mechanical Properties for Lead Wires (→CNS 2 2 2 5)
7796	H1007	withdrawn		Drawing indications for electroplated coating
8506	H1008	1986-02		Glossary of Terms Used in the Surface Treatment of Aluminum
8589	H1009	1990-10		Glossary of Terms Used in Electroplating
14975	H1010	2006-02		Terminology for nanomaterials
15494	H1011	2011-09		Marking of thermal-sprayed coatings
<b>Testing and Inspection</b>				
198	H2001	withdrawn		Methods of chemical analysis test for bronze (→CNS 1 1 9 4 2)
199	H2002	withdrawn		Methods of chemical analysis for phosphor bronze (→CNS 1 1 9 4 2)
200	H2003	withdrawn		Method of Chemical Test for Gun Metal
201	H2004	withdrawn		Method of Test for Aluminium (→CNS 2 0 6 9)
202	H2005	1983-04		Methods for Determining Chemical Components of Zinc Metal
203	H2006	withdrawn		Method of chemical test for hard lead
270	H2007	withdrawn		Sampling Method of Chemical Test for Non-Ferrous Metals and Alloys
271	H2008	withdrawn		Methods of chemical analysis for brass (→CNS 1 1 9 4 2)
272	H2009	withdrawn		Method of Chemical Test for Nickel Bronze (→CNS 1 2 2 5 9)
273	H2010	1988-12		Methods for Determining Chemical Components of Electrolytic Cathode Copper
274	H2011	1983-01		Method for Chemical Analysis of Tin Metal
275	H2012	withdrawn		Method of Chemical Test for Nickel
276	H2013	withdrawn		Method of Test for Antimony
277	H2014	withdrawn		Method of Chemical Test for Lead (→CNS 1 1 1 1 2)
278	H2015	withdrawn		Method of Chemical Test for Market Aluminium (→CNS 2 0 6 9)
653	H2016	withdrawn		Testing Standards for Metallic Wires (General)
654	H2017	withdrawn		Testing Standard for Appearance of Metallic Wire
655	H2018	withdrawn		Testing Standard for Chemical Analysis of Metallic Wires
656	H2019	withdrawn		Method of Tensile Test for Metallic Wires (→CNS 2 1 1 1)
657	H2020	withdrawn		Testing Standard for Torsion Test for Metallic Wires
658	H2021	withdrawn		Testing Standard for Bending Test for Metallic Wires
760	H2022	1986-07		General rules for inspection of household aluminium products
1031	H2023	withdrawn		Testing Standard for Portable Water Flasks
1182	H2024	2008-12		Testing methods for soldering fluxes
1247	H2025	2015-11		Methods of test for hot dip galvanized coatings
2069	H2026	1984-05		Method of Chemical Analysis of Aluminium and Aluminium Alloy
2250	H2027	withdrawn		Method of Test for Aluminium foil (→CNS 2 2 4 9)
2252	H2028	withdrawn		Method of Test for Laminated Aluminium Foil (→CNS 2 0 6 9)
2254	H2029	withdrawn		Method of Test for Aluminium and Aluminium Alloy Sheets and Plates
2256	H2030	withdrawn		Method of Test for Round Aluminium Discs (→CNS 2 2 5 5)

CNS no.	Category no.	Date of		Title
		Current edition		
2258	H2031	withdrawn		Method of Test for Aluminium Shapes Extruded
2967	H2032	withdrawn		Method of Test for Aluminium - Alloy Drawn Seamless Tubes for Condenser and Heat Exchangers Use (→CNS 2966)
3045	H2033	withdrawn		Method of Test for Gold for Jewelry (→CNS 2968)
3161	H2034	1996-05		Methods for Chemical Analysis of Zinc Dust
3162	H2035	withdrawn		Method of Test for Aluminium Tubes (→CNS 1308)
4007	H2036	withdrawn		Method of Test for Lead Sheets (→CNS 4006)
4009	H2037	withdrawn		Method of Test for Brass Rods and Bars (→CNS 4008)
4046	H2038	withdrawn		Method of Test for Phosphor Bronze Rods and Bars (→CNS 4045)
4048	H2039	withdrawn		Method of Test for Phosphor Bronze Wires (→CNS 4047)
4158	H2040	withdrawn		Method of salt spray (fog) test for surface finishing (→CNS 8886)
4159	H2041	withdrawn		Method of copper-accelerated acetic acid salt spray (fog) test for surface finishing (→CNS 8886)
4160	H2042	1987-09		Method of Ferroxy Test for Surface Finishing
4161	H2043	1987-09		Measurement of Thickness of Metallic Coatings by the Coulometric Method
4162	H2044	withdrawn		Measurement of thickness of metallic coatings by the jet test method
4195	H2045	1982-10		General Rules for Inspection of Non-ferrous Metal Materials
4196	H2046	2012-09		General rules for sampling, sample preparation and analytical testing of non-ferrous metals
4829	H2047	1979-04		Dropping Test for Electroplated Coatings of Zinc
4830	H2048	withdrawn		Dropping test for electroplated coatings of cadmium
5128	H2049	withdrawn		Method of Test for Copper and Copper Alloy Seamless Pipes and Tubes (→CNS 5127)
5129	H2050	1988-12		Measuring Methods for Electrical Resistivity and Conductivity of Non-Ferrous Materials
6337	H2051	1985-11		General Rules for Test of Tungsten and Molybdenum Materials for Lighting and Electronic Equipments
7489	H2052	1991-03		Methods for Chemical Analysis of Refined Silver
* 8010	H2053	withdrawn		Methods of test for zinc spray products
* 8011	H2054	withdrawn		Methods of test for lead spray products
8289	H2055	withdrawn		Methods of test for steel spray deposits
* 8291	H2056	withdrawn		Methods of test for spray fused deposits of self-fluxing alloys
* 8293	H2057	withdrawn		Methods of test for aluminum spray products
8296	H2058	withdrawn		Methods of test for hot dip aluminum coatings on iron and steel
8406	H2059	withdrawn		Methods of test for thickness of anodic oxidation coatings on Aluminium and Aluminium
8406-1	H2059-1	2010-05		Test methods for thickness of anodic oxide coatings on aluminium and aluminium alloys - Part 1: Microscopical method
8406-2	H2059-2	2010-05		Test methods for thickness of anodic oxide coatings on aluminium and aluminium alloys - Part 2 : Eddy current method
8406-3	H2059-3	2010-05		Test methods for thickness of anodic oxide coatings on aluminium and aluminium alloys - Part 3: Split-beam microscopical method
8407	H2060	withdrawn		Methods of test for sealing quality of anodic oxidation coatings on aluminium and aluminium alloys
8407-1	H2060-1	2022-10		Test methods for sealing quality of anodic oxidation coatings on aluminium and aluminium alloys – Part 1: Dye spot test method
8407-2	H2060-2	2010-05		Test methods for sealing quality of anodic oxide coatings on aluminium and aluminium alloys - Part 2: Phosphoric-chromic acid solution immersion test method
8407-3	H2060-3	2010-05		Test methods for sealing quality of anodic oxide coatings on aluminium and aluminium alloys - Part 3: Admittance test method
8408	H2061	withdrawn		Methods of accelerated test for light fastness of colored anodic oxidation coatings on aluminium and aluminium alloys
8408-1	H2061-1	2010-05		Accelerated test methods for light fastness of coloured anodic oxide

CNS no.	Category no.	Date of		Title
		Current edition		
8408-2	H2061-2	2010-05		coatings on aluminium and aluminium alloys -Part 1: Test for light fastness to artificial light
8409	H2062	2010-05		Accelerated test methods for light fastness of coloured anodic oxide coatings on aluminium and aluminium alloys -Part 2: Test for light fastness to ultra-violet light
8410	H2063	withdrawn		Test method for resistance of anodic oxide coatings on aluminium and aluminium alloys to cracking by deformation
8410-1	H2063-1	2010-05		Methods of test for corrosion resistance of anodic oxidation coatings on aluminium and aluminium alloys
8410-2	H2063-2	2010-05		Test methods for corrosion resistance of anodic oxide coatings on aluminium and aluminium alloys - Part 1: Alkali resistance test
8411	H2064	withdrawn		Test methods for corrosion resistance of anodic oxide coatings on aluminium and aluminium alloys - Part 2: CASS test
8411-1	H2064-1	2010-05		Methods of test for abrasion resistance of anodic oxidation coatings on aluminium and aluminium alloys
8411-2	H2064-2	2010-05		Test methods for abrasion resistance of anodic oxide coatings on aluminium and aluminium alloys - Part 1: Wheel wear test
8411-3	H2064-3	2010-05		Test methods for abrasion resistance of anodic oxide coatings on aluminium and aluminium alloys - Part 2: Abrasive jet test
8412	H2065	2010-05		Test methods for abrasion resistance of anodic oxide coatings on aluminium and aluminium alloys - Part 3: Sand-falling abrasion resistance test
8704	H2066	withdrawn		Test methods for stress corrosion cracking on aluminium alloys
8705	H2067	withdrawn		Analysis of anodic oxidation solution – Oxalic acid
9398	H2068	2008-12		Analysis of anodic oxidation solution – Sulphuric acid (replaced by CNS 8507)
9504	H2069	2012-09		Methods for chemical analysis of solder
9880	H2070	withdrawn		Methods for estimating average grain size of wrought copper and copper alloys
11112	H2071	1984-11		Method of test for tin coating
11189	H2072	withdrawn		Methods of chemical analysis for lead ingot
11260	H2073	withdrawn		Methods of chemical analysis for copper beryllium (→ CNS 11942)
11414	H2074	1985-11		Methods of chemical analysis for copper products
11720	H2075	1986-10		Method of Chemical Analysis for Tungsten and Molybdenum Material
11942	H2076	2000-07		Methods of Chemical Analysis for Platinum
11942-1	H2076-1	1999-10		General rules for chemical analysis of copper and copper alloys
11942-2	H2076-2	1999-10		Methods for determination of copper in copper and copper alloys
11942-3	H2076-3	2016-10		Methods for determination of tin in copper and copper alloys
11942-4	H2076-4	1999-10		Methods for determination of lead in copper and copper alloys
11942-5	H2076-5	1999-12		Methods for determination of iron in copper and copper alloys
11942-6	H2076-6	1999-12		Methods for determination of manganese in copper and copper alloys
11942-7	H2076-7	2022-03		Methods for determination of nickel in copper and copper alloys
11942-8	H2076-8	1999-12		Methods for determination of aluminium in copper and copper alloys
11942-9	H2076-9	1999-12		Methods for determination of phosphorous in copper and copper alloys
11942-10	H2076-10	1999-12		Methods for determination of arsenic in copper and copper alloys
11942-11	H2076-11	2000-03		Methods for determination of cobalt in copper and copper alloys
11942-12	H2076-12	2000-03		Methods for determination of silicon in copper and copper alloys
11942-13	H2076-13	2000-03		Methods for determination of zinc in copper and copper alloys
11942-14	H2076-14	2000-03		Methods for determination of beryllium in copper alloys
11942-15	H2076-15	2000-03		Method for determination of tellurium in copper
11942-16	H2076-16	2000-03		Method for determination of selenium in copper
11942-17	H2076-17	2000-07		Methods for determination of mercury in copper
11942-18	H2076-18	2000-07		Methods for determination of oxygen in copper
				Methods for determination of bismuth in copper

CNS no.	Category no.	Date of		Title
		Current edition		
11942-19	H2076-19	2000-03		Methods for determination of cadmium in copper and copper alloys
11942-20	H2076-20	2001-06		Methods for determination of sulfur in copper and copper alloys
11942-21	H2076-21	2001-06		Methods for determination of chromium in copper and copper alloys
11942-22	H2076-22	2001-06		Methods for determination of antimony in copper and copper alloys
11942-23	H2076-23	2000-07		Method for X-ray fluorescence spectrometric analysis of copper and copper alloys
11943	H2077	withdrawn		Methods of chemical analysis for special brass (→CNS 11942)
12088	H2078	withdrawn		Method of acetic acid salt spray (fog) test for surface finishing (→CNS 8886)
12114	H2079	withdrawn		Measurement of metal and oxide coating thickness by microscopic examination of a cross section
12124	H2080	withdrawn		Methods of chemical analysis for aluminium bronze and special aluminium bronze (→CNS 11942)
12125	H2081	1987-10		Method of chemical analysis for nickel-copper alloy
12126	H2082	withdrawn		Method of chemical analysis by atomic absorption spectrophotometry for copper and copper alloys
12259	H2083	withdrawn		Methods of chemical analysis for cupro-nickel and nickel silver (→CNS 11942)
12530	H2084	withdrawn		Methods of determination for copper in copper and copper alloys (→CNS 11942-1)
12531	H2085	withdrawn		Methods of determination for tin in copper and copper alloys (→CNS 11942-2)
12532	H2086	withdrawn		Methods of determination for lead in copper and copper alloys (→CNS 11942-3)
12533	H2087	withdrawn		Methods of determination for iron in copper and copper alloys (→CNS 11942-4)
12536	H2088	1989-06		Methods of Chemical Analysis for Tungsten Powder and Tungsten Carbide Powder
12834	H2089	1991-01		Methods of Eddy Current Testing for Copper and Copper Alloy Pipes and Tubes
12840	H2090	1991-02		Methods of Test for Chemical Analysis of Silver Brazing Filler Metals
12841	H2091	1991-02		Methods of Sampling for Precious Brazing Filler Metals
12903	H2092	1991-09		General Rules for Chemical Analysis of Nickel Materials for Electron Tubes
12904	H2093	1991-09		Methods of Test for Silicon in Nickel Materials for Electron Tubes
12905	H2094	1991-09		Methods of Test for Magnesium in Nickel Materials for Electron Tubes
12906	H2095	1991-09		Methods of Test for Copper in Nickel Materials for Electron Tubes
12907	H2096	1991-09		Methods of Test for Iron in Nickel Materials for Electron Tubes
12908	H2097	1991-09		Methods of Test for Manganese in Nickel Materials for Electron Tubes
12909	H2098	1991-09		Methods of Test for Carbon in Nickel Materials for Electron Tubes
12910	H2099	1991-09		Methods of Test for Sulfur in Nickel Materials for Electron Tubes
12911	H2100	1991-09		Methods of Test for Titanium in Nickel Materials for Electron Tubes
12912	H2101	1991-09		Method of Test for Tungsten in Nickel Materials for Electron Tubes
12913	H2102	1991-09		Methods of Test for Cobalt in Nickel Materials for Electron Tubes
13046	H2103	1992-10		General rules of chemical analysis for magnesium alloys
13047	H2104	1992-10		Method of determination for aluminium in magnesium alloys
13048	H2105	1992-10		Method of determination for zinc in magnesium alloys
13049	H2106	1992-10		Method of determination for manganese in magnesium alloys
13050	H2107	1992-10		Method of determination for silicon in magnesium alloys
13051	H2108	1992-10		Methods of determination for copper in magnesium alloys
13052	H2109	1992-10		Methods of determination for nickel in magnesium alloys
13053	H2110	1992-10		Methods of determination for iron in magnesium alloys
13054	H2111	1992-10		Methods of determination for beryllium in magnesium alloys
13055	H2112	1992-10		Methods of determination for zirconium in magnesium alloys

CNS no.	Category no.	Date of		Title
		Current edition		
13056	H2113	1992-10		Methods of determination for rare earths in magnesium alloys
13058	H2114	1992-10		Methods of chemical analysis for cadmium metal
13101	H2115	withdrawn		Method of corrodokote procedure corrosion testing for decorative electroplated coating
13155	H2116	withdrawn		Evaluation of appearance for electroplated plastic surfaces
13505	H2117	1995-03		Methods of chemical analysis for magnesium metal
13521	H2118	1995-04		Method of test of sacrificial anodes used for cathodic protection
13521-1	H2118-1	2019-06		Method of test of aluminium alloys and zinc alloys galvanic anodes used for cathodic protection
13921	H2119	1997-06		Method of atomic emission spectrophotometric analysis for die casting zinc alloy
13922	H2120	1997-06		Methods of chemical analysis for die casting zinc alloy
14503	H2121	withdrawn		Anodizes aluminium and aluminium alloys - Rating system for the evaluation of pitting corrosion - Chart method(replaced by CNS 14503-1~14503-2 )
14503-1	H2121-1	2010-05		Evaluation methods for pitting corrosion of anodic oxide coatings on aluminium and aluminium alloys - Part 1: Chart method
14503-2	H2121-2	2010-05		Evaluation methods for pitting corrosion of anodic oxide coatings on aluminium and aluminium alloys - Part 2: Grid method
14895	H2122	2005-02		Titanium and titanium alloys - Sampling methods
14896	H2123	2005-02		Titanium and titanium alloys - General rules for chemical analysis
14896-1	H2123-1	2005-02		Titanium and titanium alloys - Methods for determination of nitrogen content
14896-2	H2123-2	2005-02		Titanium and titanium alloys - Methods for determination of manganese content
14896-3	H2123-3	2005-02		Titanium and titanium alloys - Methods for determination of iron content
14896-4	H2123-4	2005-02		Titanium - Method for determination of chlorine content
14896-5	H2123-5	2005-02		Titanium and titanium alloys - Methods for determination of magnesium content
14896-6	H2123-6	2005-02		Titanium and titanium alloys - Methods for determination of carbon content
14896-7	H2123-7	2005-02		Titanium and titanium alloys - Methods for determination of silicon content
14896-8	H2123-8	2005-02		Titanium and titanium alloys - Methods for determination of hydrogen content
14896-9	H2123-9	2005-02		Titanium and titanium alloys - Methods for determination of oxygen content
14896-10	H2123-10	2005-02		Titanium alloys - Methods for determination of palladium content
14896-11	H2123-11	2005-02		Titanium alloys - Methods for determination of aluminium content
14896-12	H2123-12	2005-02		Titanium - Method for determination of sodium content
14896-13	H2123-13	2005-02		Titanium alloys - Method for determination of vanadium content
14896-14	H2123-14	2005-02		Titanium - Method for atomic emission spectrometric analysis
14898	H2124	2005-02		Method for test of Brinell hardness of titanium sponge
15228-1	H2125-1	2008-12		Test methods for lead-free solders - Part 1: Determination of melting temperature ranges
15228-2	H2125-2	2008-12		Test methods for lead-free solders - Part 2: Determination of mechanical properties-tensile test
15228-3	H2125-3	2008-12		Test methods for lead-free solders - Part 3: Spread test
15228-4	H2125-4	2008-12		Test methods for lead-free solders - Part 4: Solderability test by a wetting balance method
15228-5	H2125-5	2008-12		Test methods for lead-free solders - Part 5: Tensile tests and shear tests on solder joints
15228-6	H2125-6	2008-12		Test methods for lead-free solders - Part 6: 45° pull test of leadframe type package
15228-7	H2125-7	2008-12		Test methods for lead-free solders - Part 7: Shear strength of solder joints on surface-mounted devices

CNS no.	Category no.	Date of		Title
		Current edition		
15353-1	H2126-1	2010-05		Test methods for image clarity of anodic oxide coatings on aluminium and aluminium alloys - Part 1: Chart scale method
15353-2	H2126-2	2010-05		Test methods for image clarity of anodic oxide coatings on aluminium and aluminium alloys - Part 2: Instrumental method
15354	H2127	2010-05		Test methods for dielectric strength of anodic oxide coatings on aluminium and aluminium alloys
15355	H2128	2010-05		Test method for determination of mass per unit area of anodic oxide coatings on aluminium and aluminium alloys -Gravimetric method
15356	H2129	2010-05		Test method for continuity of anodic oxide coatings on aluminium and aluminium alloys - Copper sulphate test
15495	H2130	2011-09		Test methods of tensile adhesive strength for thermal-sprayed coatings
15496	H2131	2011-09		Methods of thickness measurement for sprayed coatings
15993-1	H2132-1	2017-09		Petroleum, petrochemical and natural gas industries – Cathodic protection of pipeline systems – Part 1: On-land pipelines
16078	H2133	2018-10		Test methods of onboard low pressure hydrogen storage devices for small fuel cell vehicles

## Non-ferrous Materials and Products

*	6	H3001	1983-06	Electrolytic Cathode Copper
*	7	H3002	1984-11	Lead Ingot
	8	H3003	1993-07	Virgin aluminium ingot
	9	H3004	2005-07	Zinc ingots
	47	H3005	1996-05	Nickel Metal
	367	H3006	withdrawn	Copper (Material) (→CNS 1 1 0 7 3 )
	368	H3007	withdrawn	Brass (Material) (→CNS 4 3 8 3 )
	370	H3008	withdrawn	Hard Brass Wires (→CNS 9 5 0 5 )
	371	H3009	withdrawn	Round Brass Wires (Drawn Wire) (→CNS 9 5 0 5 )
	372	H3010	withdrawn	Round Brass Bars (Extruded) (→CNS 4 0 0 8 )
	753	H3011	withdrawn	Aluminium kettles, drum shape
	754	H3012	withdrawn	Aluminium kettles, flat bottom, shallow shape
	755	H3013	withdrawn	Aluminium basins, shallow shape
	756	H3014	withdrawn	Aluminium basins, deep shape
	757	H3015	withdrawn	Aluminium cups
	758	H3016	withdrawn	Aluminium Vessels for Lunch Box
	759	H3017	withdrawn	Aluminium Vessels for Food Containing
	1181	H3018	2008-12	Resin flux cored solders
	1308	H3019	2009-11	Aluminium and aluminium alloy tubes
	1396	H3020	withdrawn	Galvanized Iron Wire Netting (Tentative) (→CNS 1 4 6 8 )
	2068	H3021	2009-11	Aluminium, magnesium and their alloys - Temper designation
*	2154	H3022	withdrawn	Lead alloys for printing
	2249	H3023	2009-11	Aluminium and aluminium alloy foils
	2251	H3024	1992-03	Aluminum foil laminated with paper lining
	2253	H3025	2009-11	Aluminium and aluminium alloy sheets, strips and plates
	2255	H3026	withdrawn	Round Aluminium Discs (→CNS 2 2 5 3 )
	2257	H3027	2009-11	Aluminium and aluminium alloy extruded products
	2474	H3028	1991-02	Silver Brazing Filler Metals
	2475	H3029	2008-12	Solders - Chemical compositions and forms
	2550	H3030	1995-01	Non - ferrous metal wire nettings
*	2609	H3031	1982-11	Corrugated aluminium sheets
	2674	H3032	1995-01	Lead pipes (for general purpose)
	2675	H3033	withdrawn	Lead Pipes (for Water Supply)
	2701	H3034	1986-09	Aluminium casserole
	2702	H3035	withdrawn	Aluminium kettles, flat bottom, deep shape
	2912	H3036	withdrawn	Cold-Rolled Brass Sheets (→CNS 4 3 8 3 )
	2966	H3037	1992-03	Aluminium-Alloy Drawn Seamless Tubes for Condensers and Heat Exchangers



CNS no.	Category no.	Date of		Title
		Current edition		
2968	H3038	2016-01		Composition and marking requirements for metal of jewelry
3044	H3039	withdrawn		Aluminium Alloy Wires (→CNS 3 6 6 7)
3114	H3040	2012-09		Copper beryllium alloy, copper titanium alloy, phosphor bronze, copper-nickel-tin alloy and nickel silver sheets, plates and strips for springs
3160	H3041	1996-05		Zinc Dust
3232	H3042	withdrawn		Platinum - Alloy
* 3333	H3043	2015-03		Zinc alloy ingots intended for castings
3334	H3044	2015-03		Zinc and zinc alloy castings
3435	H3045	1986-12		Zinc Slab (Spelter)
3547	H3046	1986-12		Zinc Sheet
3636	H3047	withdrawn		Double-sided hollow brass rivets
3667	H3048	2009-11		Aluminium and aluminium alloy bars, rods and wires
4006	H3049	1985-02		Lead Plates
* 4008	H3050	withdrawn		Brass rods and bars
4045	H3051	withdrawn		Phosphor bronze rods and bars
4047	H3052	2012-09		Copper beryllium alloy, phosphor bronze and nickel silver rods, bars and wires
4080	H3053	2012-09		Copper alloys ingots for castings
4081	H3054	withdrawn		Phosphor bronze ingots for castings
* 4082	H3055	withdrawn		High strength brass ingots for castings
4083	H3056	withdrawn		Leaded bronze ingots for castings
4125	H3057	2022-03		Copper and copper alloy castings
4126	H3058	withdrawn		Phosphor bronze castings
4127	H3059	withdrawn		Leaded bronze castings
4157	H3060	2020-05		Metallic and other inorganic coatings – Electrodeposited coatings of nickel, nickel plus chromium, copper plus nickel and of copper plus nickel plus chromium
4333	H3061	withdrawn		Phosphorus Deoxidized Copper Strip and Coiled Sheets (→CNS 1 1 0 7 3)
4334	H3062	1996-05		Phosphor Copper Metal
4335	H3063	withdrawn		Aluminium bronze ingots for castings
4336	H3064	withdrawn		Brass castings
* 4383	H3065	withdrawn		Brass sheets, plates and strips
4384	H3066	withdrawn		Leaded brass sheets, plates, strips and coiled sheets
4385	H3067	withdrawn		Naval Brass Sheets and Plates (→CNS 1 1 0 7 3)
4386	H3068	withdrawn		High-strength brass castings
* 4745	H3069	2012-09		Copper rod drawing stock for electrical purposes
4746	H3070	withdrawn		Conductor aluminium-iron alloy rod
4819	H3071	withdrawn		Aluminium bronze castings
4820	H3072	withdrawn		Special Aluminium Bronze Sheets and Plates (→CNS 1 1 0 7 3)
4821	H3073	withdrawn		Special Aluminium Bronze Rods and Bars (→CNS 1 1 0 7 3)
4822	H3074	withdrawn		Oxygen-Free Copper Sheets and Plates (→CNS 1 1 0 7 3)
4823	H3075	withdrawn		Copper Sheets for Printing (→CNS 1 1 0 7 3)
4824	H3076	withdrawn		Electroplated coatings of gold for engineering use
* 4825	H3077	2022-10		Decorative electroplated coatings of silver
4826	H3078	1987-08		Electroplated Coatings of Tin
4827	H3079	2004-09		Electroplated coatings of zinc on iron and steel
4828	H3080	withdrawn		Electroplated coatings of cadmium on iron and steel
* 5127	H3081	2012-09		Copper and copper alloy seamless pipes and tubes
5337	H3082	withdrawn		Copper Bus Bars (→CNS 1 1 7 0 3)
5338	H3083	1989-06		Cemented Carbide Alloy of Cutting Tool
* 5339	H3084	1980-03		Tin Pulverized
6338	H3085	1985-11		Tungsten Wires for Lighting and Electronic Equipments
6339	H3086	withdrawn		Tungsten rods for lighting and electronic equipments
6340	H3087	withdrawn		Thoriated Tungsten Wires for Lighting and Electronic Equipments (

CNS no.	Category no.	Date of		Title
		Current edition		
				→ CNS 6 3 4 1 )
6341	H3088	1985-11		Thoriated Tungsten Wires and Rods for Lighting and Electronic Equipments
6342	H3089	withdrawn		Tungsten-molybdenum alloy wires for lighting and electronic equipments
6343	H3090	withdrawn		Molybdenum wires for lighting and electronic equipments
6344	H3091	withdrawn		Molybdenum rods for lighting and electronic equipments
6345	H3092	withdrawn		Molybdenum sheets for lighting and electronic equipments
7488	H3093	1981-06		Refined Silver
7797	H3094	2011-09		Thermal spraying – Zinc, aluminum and their alloys
8009	H3095	withdrawn		Aluminum spray coatings on iron and steel
8290	H3096	withdrawn		Steel spray deposits
8292	H3097	withdrawn		Spray fused deposits of self-fluxing alloy
8294	H3098	withdrawn		Recommended practice for aluminum spray coatings on iron and steel
8295	H3099	withdrawn		Hot dip aluminum coatings on iron and steel
8297	H3100	withdrawn		Recommended practice for hot dip aluminum coatings
8405	H3101	2010-05		Combined coatings of anodic oxide and organic coatings on aluminium and aluminium alloys
8503	H3102	2015-11		Recommended practice for hot dip galvanized coatings
8504	H3103	withdrawn		Recommended practice for zinc spray coatings on iron and steel
8505	H3104	withdrawn		Equipment and apparatus for electroplating
8507	H3105	2010-05		Anodic oxide coatings on aluminium and aluminium alloys
8508	H3106	withdrawn		Operation standard for chromium plating on zinc alloys
8590	H3107	withdrawn		Anodic oxidation practice by sulphuric acid process on aluminium and aluminium alloys (replaced by CNS 8507)
8703	H3108	withdrawn		Anode oxidation practice by oxalic acid process on aluminium and aluminium alloys
8977	H3109	withdrawn		Recommended practice for copper-nickel-chromium plating
9396	H3110	1993-07		Secondary aluminium ingot
9397	H3111	2009-11		Classification standard of aluminium and aluminium alloy scraps
* 9503	H3112	2012-09		Phosphor bronze and nickel silver sheets, plates and strips
* 9505	H3113	withdrawn		Brass wires
9612	H3114	2009-11		Aluminium and aluminium alloy forgings
9879	H3115	1983-01		Tin Ingot
10007	H3116	2015-11		Hot dip galvanized coatings on iron and steel
10008	H3117	2010-05		Processes for corrosion protection of magnesium alloys
10263	H3118	withdrawn		Coatings of zinc mechanically deposited on iron and steel
10346	H3119	2012-09		Copper billets and cakes
* 10347	H3120	withdrawn		Copper wire bars
10348	H3121	withdrawn		Tough-pitch copper billets and cakes
10440	H3122	withdrawn		Copper-nickel-zinc (Nick Silver) alloy sheets, plates and strips
10441	H3123	withdrawn		Copper-nickel-zinc (Nickel silver) alloy rods, bars and wires
* 10442	H3124	2012-09		Copper and copper alloy rods and bars
* 10443	H3125	2012-09		Copper and copper alloy wires
10719	H3126	1994-01		Aluminium pipe clamp
10879	H3127	withdrawn		Copper-beryllium alloy plate, sheet strip and rolled bar
10981	H3128	withdrawn		Silicon Bronze castings
10982	H3129	1984-08		Aluminium Alloy Castings for Bearing
10983	H3130	withdrawn		Copper-lead alloy castings for bearing
11016	H3131	withdrawn		Aluminium and Aluminium alloy rivet wires and rods
* 11073	H3132	2012-09		Copper and copper alloy sheets, plates and strips
11111	H3133	1987-08		Aluminium and Aluminum Alloy Surface Chromate Treatment
11188	H3134	withdrawn		Copper-beryllium alloy wires
11307	H3135	1987-08		Electroplated Coatings of Silver for Engineering Use
11391	H3136	2019-11		Decorative electroplated coatings of copper/nickel/chromium on plastics

CNS no.	Category no.	Date of		Title
		Current edition		
11392	H3137	1987-10		Electroplated Coatings of Copper
11633	H3138	1986-07		Flexible Metallic Packing Material
11634	H3139	1986-07		Packing Material with Metallic Wire
11795	H3140	1986-12		Hard Lead Plates
11796	H3141	1986-12		Hard Lead Castings
11797	H3142	withdrawn		Lead and lead alloys for electric cable sheathing
12000	H3143	2009-11		Aluminium alloy ingots for castings
12048	H3144	1987-08		Electroplated Coating of Gold for Decorative Use
12049	H3145	1987-08		Aluminium Powder
12089	H3146	1987-09		Electroplated Coatings of Lead and Lead-Tin Alloys on Iron and Steel
12090	H3147	1987-09		Autocatalytic Nickel Deposition on Metals for Engineering Use
12091	H3148	1987-09		Electroplated Coatings of Rhodium for Engineering Use
12092	H3149	1987-09		Electroplated Coatings of Palladium for Engineering Use
12486	H3150	1989-01		Sintered Brass Structural Parts
12487	H3151	1989-01		Sintered Bronze Structural Parts
12534	H3152	1989-06		Copper Powder
12535	H3153	1989-06		Tungsten Powder and Tungsten Carbide Powder
12685	H3154	1990-03		Electroplated Coatings of Chromium for Engineering Use
12823	H3155	withdrawn		Dumet wires
12979	H3156	2009-11		Aluminium alloy die castings
13057	H3157	1992-10		Cadmium metal
13102	H3158	withdrawn		Cast and wrought plating zinc anodes
13103	H3159	withdrawn		Coatings of aluminum vacuum deposited on metals
13104	H3160	withdrawn		Sand for sandblast
13274	H3161	withdrawn		Black oxide coatings for ferrous metals
13504	H3162	1995-03		Magnesium ingots
13518	H3163	1995-04		Magnesium alloys used as sacrificial anodes for cathodic protection
13519	H3164	2019-06		Zinc alloys used as galvanic anodes for cathodic protection
13520	H3165	2019-06		Aluminium alloys used as galvanic anodes for cathodic protection
13867	H3166	2012-09		Copper and copper alloy welded pipes and tubes
13868	H3167	1997-05		Aluminium and aluminium alloy welded pipes and tubes
13869	H3168	1997-05		Nickel and nickel alloy plate, sheet and strip
13870	H3169	1997-05		Nickel and nickel alloy seamless pipes and tubes
14897	H3170	2005-02		Titanium sponge
15031	H3171	2006-10		Hot dipped 5% aluminium-zinc on iron and steel
15121	H3172	2007-09		Painted and baked aluminium and aluminium alloy sheets and strips
15257	H3173	2009-03		Repair of damaged and uncoated areas of hot-dip galvanized coatings
15292	H3174	2009-11		Aluminium alloy ingots for die castings
15293	H3175	2009-11		Aluminium alloy castings
15352	H3176	2010-05		Hard anodic oxide coatings on aluminium and aluminium alloys
15553	H3177	2012-09		Copper alloy continuous castings

**J Nuclear Engineering**

CNS no.	Category no.	Date of	
		Current edition	Title
<b>General</b>			
3818	J1001	withdrawn	Classification of nuclear science and technology (General)
3819	J1002	withdrawn	Classification of nuclear science and technology (Physics and chemistry)
3820	J1003	withdrawn	Classification of nuclear science and technology (Biology and medical science)
3821	J1004	withdrawn	Classification of nuclear science and technology (General engineering)
14166	J1005	withdrawn	General rules for qualification of nuclear safety grade electrical equipment
14183	J1006	withdrawn	Nuclear safety grade low-voltage three-phase squirrel-cage induction motors
14222	J1007	withdrawn	Nuclear safety grade molded case circuit breakers
14240	J1008	withdrawn	General rules for design qualification of safety systems equipment used in nuclear power generating stations
14292	J1009	withdrawn	Function of nuclear safety grade self-operated and power-operated valves
14296	J1010	withdrawn	Nuclear safety grade AC electromagnetic switches
14371	J1011	withdrawn	Nuclear safety grade residual current sensing and relaying equipment
14372	J1012	withdrawn	General rules for seismic qualification of nuclear safety grade electrical equipment
14421	J1013	withdrawn	Nuclear safety grade electric cables, field splices and connections
14439	J1014	withdrawn	Nuclear safety grade battery chargers
14504	J1015	withdrawn	Electronic personnel radiation monitor
<b>Testing and Inspection</b>			
7034	J2001	withdrawn	Method of test for radioactive barium in water
7035	J2002	withdrawn	Method of test for radioactive manganese in water
7036	J2003	withdrawn	Method of test for radioactive iodine in water
7037	J2004	withdrawn	Method of test for iron - 59 in water
7038	J2005	withdrawn	Method of test for tritium in drinking water
7151	J2006	withdrawn	Method of test for gamma radioactivity of water
7152	J2007	withdrawn	Method of test for radioactive nickel in water
7153	J2008	withdrawn	Method of test for thorium in water and waste water
7154	J2009	withdrawn	Method of test for consumption of potassium permanganate by impurities in deuterium oxide
7387	J2010	withdrawn	Method for analysis of radioisotopes - Heavy metals spot test
7388	J2011	withdrawn	Method for analysis of radioisotopes — Gross beta particle count
7389	J2012	withdrawn	Method for analysis of radioisotopes aluminum absorption curve
7390	J2013	withdrawn	Method for analysis of radioisotopes — Determination of gamma ray Impurities with NaI ( TI ) detectors
7391	J2014	withdrawn	Method for analysis of radioisotopes — Determination of gamma ray impurities with germanium detectors
7392	J2015	withdrawn	Method for analysis of radioisotopes - Free acid
7393	J2016	withdrawn	Method for analysis of radioisotopes - Total solids
7394	J2017	withdrawn	Method for analysis of radioisotopes - Nonvolatile matter
7395	J2018	withdrawn	Method of test for deuterium oxide
7490	J2019	withdrawn	Method of test for microquantities of uranium in water by fluorometry
7491	J2020	withdrawn	Method of test for radionuclides of radium in water
7492	J2021	withdrawn	Method of test for radioactive zirconium in water
7493	J2022	withdrawn	Method of test for gamma spectrometry of water
7494	J2023	withdrawn	Method of test for radioactive cesium in water
7697	J2024	withdrawn	Method of test for absorbed gamma and electron radiation dose with the ferrous sulfate-cupric sulfate dosimeter

CNS no.	Category no.	Date of	
		Current edition	Title
7698	J2025	withdrawn	Method of test for absorbed gamma and electron radiation dose with the ceric sulfate dosimeter
7699	J2026	withdrawn	Method of test for absorbed gamma radiation dose in the fricke dosimeter
7700	J2027	withdrawn	Calculation of absorbed dose from gamma radiation
8128	J2028	withdrawn	Method for measurement of lattice spacing of nuclear graphite
8129	J2029	withdrawn	Methods for analysis of phosphorus-32
8298	J2030	withdrawn	Measurement of low-level activity in water
8299	J2031	withdrawn	Practice for alpha spectrometry of water
8300	J2032	withdrawn	Method of test for alpha particle radioactivity of water
8301	J2033	withdrawn	Method of test for beta particle radioactivity of water
8413	J2034	withdrawn	Methods of test for chemical, mass spectrometric, spectrochemical, nuclear, and radiochemical analysis of nuclear-grade plutonium nitrate solutions
8414	J2035	withdrawn	Free acid by iodate precipitation - potentiometric titration method
8415	J2036	withdrawn	Free acid by titration in an oxalate solution
8416	J2037	withdrawn	Plutonium by amperometric titration with iron (II)
8417	J2038	withdrawn	Plutonium by controlled - potential coulometry
8509	J2039	withdrawn	Method of test for thorium in nuclear-grade plutonium nitrate solutions by thorin spectrophotometry
8510	J2040	withdrawn	Method of test for iron in nuclear-grade plutonium nitrate solutions by 1, 10-phenanthroline spectrophotometry
8511	J2041	withdrawn	Method of test for chlorine in nuclear-grade plutonium nitrate solutions by thiocyanate spectrophotometry
8512	J2042	withdrawn	Method of test for fluoride in nuclear-grade plutonium nitrate solutions by distillation spectrophotometry
8513	J2043	withdrawn	Method of test for sulfate in nuclear-grade plutonium nitrate solutions by barium sulfate spectrophotometry
8591	J2044	withdrawn	Method of test for isotopic composition in nuclear grade plutonium nitrate solutions - by mass spectrometry
8592	J2045	withdrawn	Method of test for Americium-241 in nuclear-grade plutonium nitrate solutions - by extraction and gamma counting
8593	J2046	withdrawn	Method of test for Americium-241 in nuclear-grade plutonium nitrate solution - by gamma counting
8594	J2047	withdrawn	Method of test for gamma-emitting fission products, uranium and thorium in nuclear-grade plutonium nitrate solutions - by gamma ray spectroscopy
8830	J2048	withdrawn	Method for determining neutron fluence rates, fluence and spectra by radioactivation techniques
8831	J2049	withdrawn	Methods of test for determining thermal neutron fluence rates by radioactivation techniques
8832	J2050	withdrawn	Method of test for determining of silver, indium, cadmium and trace impurities in silver-indium-cadmium alloys
8833	J2051	withdrawn	Method for determining the trace impurities in silver-indium-cadmium alloys-carriers-distillation spectrochemical method (→ CNS 8832)
8978	J2052	withdrawn	Method for determining fast-neutron fluence rates by radioactivation of iron
8979	J2053	withdrawn	Method of test for determining fast-neutron fluence rates by radioactivation of nickel
8980	J2054	withdrawn	Method of test for determining fast-neutron fluence rates by radioactivation of sulfur
8981	J2055	withdrawn	Method for determining fast-neutron fluence rates by radioactivation of aluminum
8982	J2056	withdrawn	Method for analysis of uranium hexafluoride
8983	J2057	withdrawn	Method for Determining Uranium in UF <sub>6</sub> - Gravimetric Method (→ CNS 8982)
8984	J2058	withdrawn	Method for Determining Uranium in UF <sub>6</sub> - Titrimetric Method (→ C

CNS no.	Category no.	Date of		Title
		Current edition		
				NS 8 9 8 2 )
9175	J2059	withdrawn		Method for Preparation of High-Purity U8O3 (→CNS 8 9 8 2 )
9176	J2060	withdrawn		Method for Isotopic Composition Analysis of UF6 - Double Standard Mass Spectrometer (→CNS 8 9 8 2 )
9177	J2061	withdrawn		Method for Isotopic Composition Analysis of UF6 - Single Standard Mass Spectrometer (→CNS 8 9 8 2 )
9280	J2062	withdrawn		Method for Determining Antimony in UF6 - Atomic Absorption Method (→CNS 8 9 8 2 )
9281	J2063	withdrawn		Method for Determining Bromine in UO <sub>2</sub> F <sub>2</sub> - Spectrophotometric Method (→CNS 8 9 8 2 )
9282	J2064	withdrawn		Method for Determining Chlorine in UF6 - Titrimetric Method (→CNS 8 9 8 2 )
9283	J2065	withdrawn		Method for Determining Silicon and Phosphorus in UF6 - Spectrophotometric Method (→CNS 8 9 8 2 )
9399	J2066	withdrawn		Method for Determining Hydrocarbons, Chlorocarbons, and Partially Substituted Halohydrocarbons in UF6 (→CNS 8 9 8 2 )
9400	J2067	withdrawn		Method for Determining Boron and Silicon in UF6 - Spectrographic Method (→CNS 8 9 8 2 )
9401	J2068	withdrawn		Method for Determining Ruthenium in UF6 - Atomic Absorption Method (→CNS 8 9 8 2 )
9402	J2069	withdrawn		Method for Determining Ruthenium in UF6 - Spectrographic Method (→CNS 8 9 8 2 )
9613	J2070	withdrawn		Method for Determining Titanium and Vanadium in UF6 - Spectrophotometric Method (→CNS 8 9 8 2 )
9614	J2071	withdrawn		Method for Determining Metallic Impurities in UF6 - Spectrographic Method by Carrier Distillation (→CNS 8 9 8 2 )
9615	J2072	withdrawn		Method for Determining Hafnium, Molybdenum, Niobium (Columbium), Tantalum, Titanium Tungsten and Zirconium after Separation from UF6 with BPHA-Spectrographic Method (→CNS 8 9 8 2 )
9616	J2073	withdrawn		Method for Determining Hafnium, Molybdenum, Niobium (Columbium), Tantalum, Titanium, Tungsten, Vanadium and Zirconium after Separation From UF6 - Cupferrides-Spectrographic Method (→CNS 8 9 8 2 )
9707	J2074	withdrawn		Method for Determining Tungsten in UF6 - Spectrophotometric Method (→CNS 8 9 8 2 )
9708	J2075	withdrawn		Method for Determining Thorium in UF6 - Spectrophotometric Method (→CNS 8 9 8 2 )
9709	J2076	withdrawn		Method for Determining Thorium and Rare Earths in UF6 - Spectrographic Method (→CNS 8 9 8 2 )
9710	J2077	withdrawn		Method for Determining Molybdenum in UF6 - Spectrophotometric Method (→CNS 8 9 8 2 )
9711	J2078	withdrawn		Method for Determining Metallic Impurities in UF6 - Atomic Absorption Method (→CNS 8 9 8 2 )
9712	J2079	withdrawn		Method for Determining Impurities in UF6 - Spark Source Mass Spectrographic Method (→CNS 8 9 8 2 )
9713	J2080	withdrawn		Method for Determining Boron-Equivalent Neutron Cross Section (→CNS 8 9 8 2 )
9714	J2081	withdrawn		Method for Determining Uranium-233 Abundance in UF6 - Thermal Ionization Mass Spectrometric Method (→CNS 8 9 8 2 )
9881	J2082	withdrawn		Method for Determining Uranium-232 in UF6 - Alpha Spectrometric Method (→CNS 8 9 8 2 )
9882	J2083	withdrawn		Method for Determining Fission Product Activity in UF6 - Beta and Gamma Counting Method (→CNS 8 9 8 2 )
9883	J2084	withdrawn		Method for Determining Plutonium in UF6 - Ion Exchange and Alpha Counting Method (→CNS 8 9 8 2 )
9884	J2085	withdrawn		Method for Determining Plutonium in UF6 - Extraction and Alpha Counting Method (→CNS 8 9 8 2 )
9885	J2086	withdrawn		Method for Determining Neptunium in UF6 by Extraction and Alpha Counting (→CNS 8 9 8 2 )

CNS no.	Category no.	Date of		Title
		Current edition		
9886	J2087	withdrawn		Method for Determining Chromium Soluble in UF6 - Atomic Absorption Method (→C N S 8 9 8 2)
9887	J2088	withdrawn		Method for Determining Chromium Insoluble in UF6 - Atomic Absorption Method (→C N S 8 9 8 2)
9888	J2089	withdrawn		Method for Determining Technetium-99 in UF6 (→C N S 8 9 8 2)
9889	J2090	withdrawn		Method for Determining Gamma-Energy Emission Rate From Fission Products in UF6 (→C N S 8 9 8 2)
10349	J2091	withdrawn		Method of test for lead equivalent for X-ray protectors
10570	J2092	withdrawn		Methods of calibration for radiation exposure meters
14271	J2093	withdrawn		Method of qualification for nuclear safety grade stationary lead-acid batteries
14383	J2094	withdrawn		Method of test for high-resolution gamma-ray spectrometry of water
14440	J2095	withdrawn		Method of test for low-level iodine-131 in water
14441	J2096	withdrawn		Method of test for strontium-90 in water
14558	J2097	withdrawn		Method of test for radium-226 in water
14559	J2098	withdrawn		Method of test for radon in drinking water

## Nuclear Engineering Materials

7155	J3001	withdrawn	Deuterium oxide
7798	J3002	withdrawn	Nuclear-grade boron carbide powder
7799	J3003	withdrawn	Nuclear-grade boron carbide pellets
7800	J3004	withdrawn	Nuclear-grade silver-indium-cadmium alloy
7801	J3005	withdrawn	Nuclear-grade aluminum oxide pellets
7802	J3006	withdrawn	Nuclear-grade gadolinium oxide powder
8125	J3007	withdrawn	Specification for plutonium nitrate solutions
8126	J3008	withdrawn	Specification for nuclear - Grade beryllium oxide powder
8127	J3009	withdrawn	Nuclear-grade, sinterable uranium dioxide powder
14239	J3010	withdrawn	Nuclear safety grade fuses for the protection of low-voltage cables and lines

CNS no.	Category no.	Date of		Title
		Current edition		
<b>General</b>				
6216	K0001	2020-03		High purity n-hexane
6217	K0002	1988-09		High purity heptane
6218	K0003	1988-09		High purity octane
6219	K0004	1988-09		High purity nonane
6220	K0005	1988-09		High purity decane
6221	K0006	1988-09		High purity undecane
6222	K0007	1988-09		High purity dodecane
6223	K0008	1988-09		High purity tridecane
6490	K0009	1980-09		Technical terms for analytical chemistry (optical part)
6492	K0010	2020-09		Method for determination of pH of aqueous solutions
6493	K0011	1980-09		General rules for analytical method in polarography
6494	K0012	1980-09		General rules for absorptiometric analysis
6839	K0013	withdrawn		Glass electrodes for measurement of pH value
6840	K0014	withdrawn		Standard liquid for calibrating viscometers
8834	K0015	1996-04		Methods of test for density and relative density (Specific gravity) of chemical products
8835	K0016	1996-04		Methods of test for melting point and melting range of chemical products
8836	K0017	1996-04		Method of test for freezing point of chemical products
8837	K0018	1996-04		Methods of test for optical rotation of chemical products
8838	K0019	1996-04		Methods of test for loss and residue of chemical products
8839	K0020	1996-04		Methods of test for refractive index of chemical products
9178	K0021	1982-07		General rules for analytical method in gas chromatography
9179	K0022	1995-08		General rules for chemical analysis
9180	K0023	1996-04		Methods of test for distillation of chemical products
9622	K0024	withdrawn		Platinum basins
9623	K0025	withdrawn		Platinum boats
9624	K0026	withdrawn		Platinum crucibles
11209	K0027	1995-08		General rules for chemical analysis by atomic absorption spectrophotometry
11619	K0028	1986-06		General rules for x-ray fluorescence spectrometric analysis
12128	K0029	1987-10		General rules for methods of potentiometric, amperometric, and coulometric titrations
12416	K0030	2006-08		General rules for atomic emission spectrometry
12461	K0031	withdrawn		Oxalate pH standard solution
12462	K0032	withdrawn		Phthalate pH standard solution
12463	K0033	withdrawn		Phosphate pH standard equimolar solution
12464	K0034	withdrawn		Tetraborate pH standard solution
12465	K0035	withdrawn		Carbonate pH standard solution
12466	K0036	withdrawn		Phosphate pH standard solution
12467	K0037	withdrawn		Chromium standard solution
12468	K0038	withdrawn		Antimony standard solution
12469	K0039	withdrawn		Arsenic standard solution
12470	K0040	withdrawn		Manganese standard solution
12508	K0041	2020-09		General rules for ion-selective electrode method
12509	K0042	1989-04		General rules for analytical methods in gas chromatography/mass spectrometry
12510	K0043	2020-09		Non-dispersive infrared gas analyzer
12586	K0044	2021-03		Technical terms for analytical chemistry (General part)
12587	K0045	1989-08		Technical terms for analytical chemistry (Electrochemistry division)
12588	K0046	1989-08		Technical terms for analytical chemistry (chromatography part)
*	13105	K0047	1992-12	General rules for infrared spectrophotometric analysis
	13106	K0048	1996-04	Methods of test for water content of chemical products
	13466	K0049	1995-01	Copper standard solution
	13467	K0050	1995-01	Zinc standard solution
	13468	K0051	1995-01	Cadmium standard solution



CNS no.	Category no.	Date of		Title
		Current edition		
13469	K0052	1995-01		Nickel standard solution
13470	K0053	1995-01		Cobalt standard solution
13471	K0054	1995-01		Lead standard solution
13472	K0055	1995-01		Iron standard solution
13473	K0056	1995-01		Bismuth standard solution
13567	K0057	1995-08		Method of test for sieving of chemical products
13568	K0058	1995-08		Method of test for acid value, saponification value, ester value, iodine value, hydroxyl value and unsaponifiable matter of chemical products
14823	K0059	2004-06		Liquid-in-glass thermometers for testing of petroleum products
14825	K0060	2004-06		Essential oils – Principles of nomenclature
14844	K0061	2004-07		Aromatic natural raw materials – Vocabulary
14845	K0062	2016-12		Essential oils – Nomenclature
14900	K0063	2005-02		Essential oils - General rules for packaging, conditioning and storage
14901	K0064	2005-02		Essential oils - General rules for labelling and marking of containers
14918	K0065	2005-05		General rules for ion chromatographic analysis
14919	K0066	2005-05		Sulfate ion standard solution
20480-1	K0067-1	2021-08		Fine bubble technology – General principles for usage and measurement of fine bubbles – Part 1: Terminology
20480-2	K0067-2	2021-08		Fine bubble technology – General principles for usage and measurement of fine bubbles – Part 2: Categorization of the attributes of fine bubbles

## Materials

	17	K1001	withdrawn	Hydrochloric Acid (→CNS 1 7 4 5)
*	18	K1002	2011-05	Hydrochloric acid for industrial use
	19	K1003	withdrawn	Nitric Acid (→CNS 1 8 3 7)
*	20	K1004	withdrawn	Nitric acid for industrial use
	21	K1005	withdrawn	Sulphuric Acid for Analytical Use (→CNS 2 0 0 8)
*	22	K1006	1985-02	Sulfuric acid for industrial use
	23	K1007	withdrawn	Sodium Hydroxide for Analytical Use (→CNS 1 9 6 7)
	24	K1008	withdrawn	Sodium Hydroxide for Industrial Use
	25	K1009	withdrawn	Sodium Carbonate for Analytical Use (→CNS 5 8 2 5)
*	26	K1010	2011-12	Sodium carbonate for industrial use
	48	K1011	withdrawn	Ammonium Sulfate for Analytical Use (→CNS 1 5 6 2)
	50	K1012	withdrawn	Ammonium Bicarbonate for Analytical Use
	51	K1013	withdrawn	Ammonium bicarbonate for industrial use
	52	K1014	withdrawn	Ammonium chloride for industrial use
	54	K1015	withdrawn	Ammonium nitrate for industrial use
	62	K1016	withdrawn	Sodium Bicarbonate for Analytical Use (→CNS 1 9 4 5)
	63	K1017	withdrawn	Sodium bicarbonate for industrial use
	80	K1018	withdrawn	Ethanol for Power Use (→CNS 1 3 9 7)
	114	K1019	withdrawn	Anhydrous Alcohol for Industrial Use (→CNS 1 3 9 7)
	194	K1020	withdrawn	Normal butyl alcohol, industrial grade
	195	K1021	2017-11	Liquid carbon dioxide
	196	K1022	withdrawn	Dry ice, solid blocks
*	197	K1023	1984-09	Acetone, Industrial Grade
	263	K1024	withdrawn	Anhydrous ammonia
	264	K1025	withdrawn	Calcium carbide
	374	K1026	withdrawn	DDT for industrial use
	375	K1027	2008-09	Natural camphor
	377	K1028	2004-04	Bleaching powder
	379	K1029	1970-01	Gypsum
*	380	K1030	withdrawn	Calcium chloride, for industrial use
	426	K1031	withdrawn	DE - Natural Alcohol
	430	K1032	withdrawn	Caustic soda, liquid
	431	K1033	withdrawn	Caustic soda, solid
*	432	K1034	1981-11	Liquid Chlorine

## Chemical Industry

		Date of		
CNS no.	Category no.	Current edition	Title	
*	433	K1035	withdrawn	Potassium chlorate, for industrial use
	434	K1036	withdrawn	Sodium sulfide for industrial use
*	435	K1037	withdrawn	Sodium sulfate, for industrial use
	436	K1038	withdrawn	Magnesium chloride for industrial use
	633	K1039	withdrawn	Glycerines for industrial use
	636	K1040	withdrawn	BHC (industrial grade)
	697	K1041	1965-08	Activated Carbon Powder for Industrial Use
	699	K1042	1991-06	Raw Salt
	700	K1043	withdrawn	Rock Salt, Washed (→CNS 1 2 8 7 5)
	918	K1044	withdrawn	Concentrated Nitric Acid for Industrial Use (→CNS 2 0)
*	999	K1045	withdrawn	Natural menthol
	1005	K1046	1981-08	Oxygen, Highly Compressed in Cylinder
	1032	K1047	withdrawn	Calcium Ammonium Nitrate
	1034	K1048	withdrawn	Pure Hydrochloric Acid for Chemical Use (→CNS 1 8)
	1036	K1049	withdrawn	Pentachlorophenol, industrial grade
	1061	K1050	withdrawn	Basic magnesium carbonate for industrial use
	1063	K1051	withdrawn	Calcined magnesium oxide, for industrial use
*	1340	K1052	1980-07	Glacial Acetic Acid
	1342	K1053	1992-09	Sodium Dithionite for Industrial Use
	1374	K1054	1961-06	Argon, High Purity
	1379	K1055	withdrawn	Silver nitrate, Industrial grade
*	1381	K1056	1980-07	Formaldehyde (37% Grade)
*	1383	K1057	withdrawn	Calcium carbonate precipitated, industrial grade
	1385	K1058	withdrawn	Fatty acid
	1397	K1059	1975-04	Alcohol, for Industrial Use
*	1413	K1060	withdrawn	Glauber's salt
*	1414	K1061	1962-12	N-Hexane, for Industrial Use
	1421	K1062	withdrawn	Sodium thiosulfate, industrial grade
	1423	K1063	withdrawn	Sodium sulfite anhydrous, industrial grade
*	1425	K1064	1962-04	Urea, Industrial Grade
*	1473	K1065	2019-09	Industrial grade and nitration grade benzene
	1474	K1066	2018-05	Industrial grade toluene
	2072	K1067	1974-06	Aluminium Sulfate (Industrial Use)
	2074	K1068	1992-01	Aluminium Sulfate( for Water Works )
*	2076	K1069	withdrawn	Citric acid (industrial grade)
	2117	K1070	withdrawn	Fuming sulfuric acid for industrial use
	2155	K1071	withdrawn	Sulfur black
	2157	K1072	2004-09	Dissolved acetylene (for industrial use)
	2186	K1073	withdrawn	Vinyl acetate for industrial use
	2190	K1074	withdrawn	Sodium dichromate, for industrial use
*	2198	K1075	withdrawn	Potassium dichromate, for industrial use
	2199	K1076	withdrawn	Cupric sulfate (industrial grade)
*	2202	K1077	1984-12	Zinc Oxide, for Industrial Use
	2234	K1078	withdrawn	Monochloromethane for refrigerant
	2235	K1079	withdrawn	Difluorodichloromethane for refrigerant
	2236	K1080	withdrawn	Compressed hydrogen (Industrial grade)
	2237	K1081	withdrawn	Ammonia solution for industrial use
	2238	K1082	1989-06	Na <sub>2</sub> O · nSiO <sub>2</sub> · xH <sub>2</sub> O Sodium Silicate
	2263	K1083	2018-05	Industrial grade xylene
	2326	K1084	withdrawn	Phenol distilled for industrial use
	2327	K1085	withdrawn	M-Cresol for industrial use
	2328	K1086	withdrawn	High boiling point tar acid
	2329	K1087	withdrawn	Cresols
	2330	K1088	withdrawn	Naphthalene
*	2357	K1089	1987-06	Nitrocellulose for Industrial Use
	2359	K1090	withdrawn	Sodium fluosilicate for industrial use (Tentative)
	2361	K1091	2005-03	Collodion for industrial use
	2362	K1092	2018-05	Nitration grade xylene
	2363	K1093	2018-05	Ten-degree grade xylene

CNS no.	Category no.	Date of		Title
		Current edition		
2366	K1094	withdrawn		Zinc cyanide (for electro-plating use)
2368	K1095	withdrawn		Cadmium cyanide (technical grade)
2370	K1096	withdrawn		Mercurous chloride (Industrial grade)
2451	K1097	withdrawn		Red phosphorous, industrial grade
2453	K1098	withdrawn		Strontium nitrate (Industrial grade)
2455	K1099	withdrawn		Magnesium silicate, for industrial use
2479	K1100	withdrawn		Chromium trioxide (industrial grade)
2481	K1101	withdrawn		Boric acid, industrial grade
2483	K1102	withdrawn		P-toluene sulfonamide
2523	K1103	withdrawn		Potassium chromate (industrial grade)
2525	K1104	withdrawn		Cupric cyanide (industrial grade)
*	2526	K1105	withdrawn	Hydrogen peroxide for industrial use
	2528	K1106	withdrawn	Sodium perborate (industrial grade)
	2529	K1107	withdrawn	Dodecyl benzene, for industrial use
	2554	K1108	withdrawn	Sodium phosphate (industrial grade)
	2556	K1109	withdrawn	Amyl acetate (98 % grade)
	2561	K1110	withdrawn	Cadium oxide (Industrial grade)
	2587	K1111	withdrawn	Iodized and washed table salt
	2588	K1112	withdrawn	Iodized and refined table salt
*	2589	K1113	withdrawn	Caustic soda, rayon grade
	2610	K1114	withdrawn	Mercurous nitrate for industrial use
	2612	K1115	withdrawn	Dibutyl phthalate (99% grade)
	2614	K1116	withdrawn	Coumarone indene resin
	2616	K1117	withdrawn	Ethyl acetate
	2617	K1118	withdrawn	Normal butyl acetate
*	2619	K1119	1966-09	Phosphoric Acid for Industrial Use
	2621	K1120	withdrawn	Magnesium hydroxide for industrial use
	2623	K1121	1972-06	Aluminium Hydroxide
	2631	K1122	withdrawn	Coal gas, distilled, for industrial use
	2678	K1123	withdrawn	Sodium formaldehyde sulfoxylate for industrial use
	2680	K1124	1966-09	Nitrogen Gas, Compressed in Cylinder
	2746	K1125	withdrawn	Carbon black, for rubber industry
*	2789	K1126	1995-08	Methyl Alcohol (Methanol)
	2791	K1127	withdrawn	Diaminosstibene disulfonic acid
*	2916	K1128	withdrawn	Silica gel
	2918	K1129	2008-12	Solder paste
*	2950	K1130	withdrawn	Carbon disulfide (Industrial grade)
	2983	K1131	1969-06	Argon for Welding
	2989	K1132	withdrawn	Borax (industrial grade)
*	3015	K1133	withdrawn	Bees wax
	3017	K1134	withdrawn	Potassium hydroxide, liquid
	3019	K1135	withdrawn	Sodium pentachlorophenate (Wood preservatives)
	3021	K1136	2008-09	Synthetic camphor
	3046	K1137	withdrawn	Geraniol
*	3072	K1138	withdrawn	Titanium dioxide for rubber
	3074	K1139	withdrawn	Sodium oxalate (industrial grade)
	3082	K1140	withdrawn	Propane (industrial grade)
	3115	K1141	withdrawn	Chlorosulfonic acid
	3117	K1142	withdrawn	Potassium permanganate (industrial grade)
*	3139	K1143	withdrawn	Acetylene black
	3164	K1144	withdrawn	Monoethanolamine (Industrial grade)
	3165	K1145	withdrawn	Anhydrated sodium sulfite for boiler water treatment
	3166	K1146	withdrawn	Sodium nitrate for boiler water treatment
*	3167	K1147	withdrawn	Slaked lime for water purification
*	3168	K1148	withdrawn	Methyl cellulose (industrial grade)
	3170	K1149	withdrawn	Silver bromide (technical grade)
	3171	K1150	withdrawn	Zinc chloride (industrial grade)
	3177	K1151	withdrawn	Mercury chloride for dry cell

## Chemical Industry

	CNS no.	Category no.	Date of	
			Current edition	Title
	3179	K1152	withdrawn	Ammonium chloride for dry cell
	3181	K1153	withdrawn	Sodium phosphate, for industrial use
	3214	K1154	withdrawn	Zinc stearate powder
	3238	K1155	withdrawn	Sweet potato starch (for industrial use)
	3335	K1156	withdrawn	Dichloromethane
	3337	K1157	withdrawn	1,1,1-Trichloroethane (industrial grade)
	3339	K1158	withdrawn	Potassium ferricyanide (industrial grade)
*	3341	K1159	withdrawn	Carbolic acid
	3342	K1160	withdrawn	Calcium resinate
	3380	K1161	2004-07	Industrial grade aluminum stearate
	3395	K1162	2004-04	Calcium hypochlorite bleaching solution
	3397	K1163	2005-09	Sodium hypochlorite for water works
	3480	K1164	withdrawn	Graphite
	3699	K1165	2023-01	Water for chemical analysis
	3700	K1166	withdrawn	Nickel salt (for electro-plating)
	3701	K1167	withdrawn	Strontium oxalate (technical grade)
	3702	K1168	withdrawn	Barium hyperchlorate
	3703	K1169	withdrawn	Butadiene
	3716	K1170	withdrawn	Hexachlorobenzene
	3718	K1171	withdrawn	Butane (technical grade)
	3719	K1172	2003-09	Specification for natural gas
	3720	K1173	withdrawn	Sodium chromate, anhydrous (for technical use)
	3726	K1174	withdrawn	Ferric ammonium citrate (green), technical grade
	3753	K1175	withdrawn	Sulfuric acid for storage batteries
*	3778	K1176	withdrawn	Acetaldehyde for industrial use
	3923	K1177	withdrawn	Octanols (for industrial use)
	3950	K1178	withdrawn	Terephthalic acid (technical grade)
	4010	K1179	withdrawn	Di-2-ethylhexyl phthalate
	4086	K1180	withdrawn	Diethylene glycol
	4087	K1181	withdrawn	Triethylene glycol
	4111	K1182	withdrawn	Tetrachloroethylene (Perchloroethylene) (technical)
	4130	K1183	withdrawn	Wood preservatives (Pentachlorophenol)
	4131	K1184	withdrawn	Wood preservatives (Copper naphthenate) (→CNS 1 4 4 9 5)
	4133	K1185	withdrawn	Wood preservatives [Fluor chrome arsenate phenol (FCAP; wolman salt, tanalith U)] (→CNS 1 4 4 9 5)
	4134	K1186	withdrawn	Wood preservatives [Acid copper chromate (ACC, celcure)] (→CNS 1 4 4 9 5)
	4135	K1187	withdrawn	Wood preservatives [Ammoniacal copper arsenate (ACA, chemonite)] (→CNS 1 4 4 9 5)
	4136	K1188	withdrawn	Wood preservatives [Chromated zinc chloride (CZC)] (→CNS 1 4 4 9 5)
	4137	K1189	withdrawn	Wood preservatives [Chromated copper arsenate (CCA)] (→CNS 1 4 4 9 5)
	4138	K1190	withdrawn	Trichloroethylene (technical grade)
	4140	K1191	withdrawn	N,N-Dinitrosopentamethylenetetramine blowing agent
	4163	K1192	withdrawn	Heavy petroleum solvent for wood preservatives (→CNS 1 4 4 9 5)
	4164	K1193	withdrawn	Volatile petroleum solvent (Liquefied petroleum gas) for wood preservatives (→CNS 1 4 4 9 5)
	4165	K1194	withdrawn	Light petroleum solvent for wood preservatives (→CNS 1 4 4 9 5)
	4180	K1195	withdrawn	Fire-retardant for wood (Type A) (Chromated zinc chloride)
	4181	K1196	withdrawn	Fire-retardant for wood (Type B) (FR)
	4182	K1197	withdrawn	Fire-retardant for wood (Type C) (Minalith)
	4183	K1198	withdrawn	Fire-retardant for wood (Type D) (Pyresote)
	4184	K1199	withdrawn	Fire-retardant for wood (Type E) (Pyrolith)
	4275	K1200	2010-01	Potassium hydroxide; solid
	4279	K1201	withdrawn	Polyvinyl alcohol

Date of				
CNS no.	Category no.	Current edition	Title	
*	4284	K1202	withdrawn	Sodium tripolyphosphate (for industrial use)
	4387	K1203	1992-09	n-Propyl Acetate (96% Grade)
	4388	K1204	1992-09	Isopropyl Acetate (99% Grade)
*	4449	K1205	2014-09	Sulfur for rubber use
*	4637	K1206	2020-03	Industrial grade methyl ethyl ketone
	4638	K1207	withdrawn	2-Ethoxy ethanol, industrial grade
	4639	K1208	withdrawn	Ethylene glycol monobutyl ether, industrial grade
	4862	K1209	1979-05	Isopropyl Alcohol (99% Grade)
	4863	K1210	withdrawn	Secondary butyl alcohol (industrial grade)
	4864	K1211	withdrawn	Secondary butyl acetate (85~88 % grade)
	4865	K1212	withdrawn	Tricresyl phosphate (99 % grade)
	4882	K1213	withdrawn	Isopropyl Acetate (95% Grade)
	4883	K1214	withdrawn	Isobutyl acetate (95 % grade)
	4884	K1215	withdrawn	Methyl amyl acetate (95 % grade)
	4885	K1216	withdrawn	Acetate ester of ethylene glycol monoethyl ether (95 % grade)
	4886	K1217	withdrawn	Vinyl acetate
*	5218	K1218	withdrawn	Melamine for industrial use
	5220	K1219	withdrawn	Industrial diphenylamine (N-phenylbenzeneamine)
	5226	K1220	withdrawn	Stannic oxide
	5227	K1221	withdrawn	Polyisobutylene
	5228	K1222	1980-02	Ether
*	5229	K1223	withdrawn	Potassium sulfate
	5230	K1224	1980-02	Isobutyl Alcohol
	5231	K1225	withdrawn	Amyl alcohol
	5232	K1226	withdrawn	Diacetone alcohol
	5233	K1227	withdrawn	Methyl isobutyl carbinol
	5234	K1228	withdrawn	Ethylene glycol
	5235	K1229	withdrawn	Propylene glycol
	5236	K1230	withdrawn	Dipropylene glycol
	5237	K1231	withdrawn	Hexylene glycol
	5445	K1232	withdrawn	Di-(ethyl-hexyl) sebacate
	5447	K1233	withdrawn	Dinitrotoluene (solid)
	5449	K1234	withdrawn	Calcium silicate
*	5450	K1235	withdrawn	Magnesium stearate
	5451	K1236	2001-08	Hexamethylenetetramine
	5452	K1237	withdrawn	Diethylphthalate
	5457	K1238	withdrawn	Isophorone
	5458	K1239	withdrawn	Methyl isoamyl ketone
	5460	K1240	withdrawn	Methyl isobutyl ketone
	5461	K1241	2018-05	Refined benzene-535
	5588	K1242	withdrawn	Fluorocarbons
	5600	K1243	2018-05	Nitration grade toluene
	5601	K1244	2018-05	Five-degree grade xylene
	5824	K1245	withdrawn	Refined pyridine
	5825	K1246	withdrawn	Refined Naphthalene - 798
	5826	K1247	withdrawn	Refined phthalic anhydride - 1308
	5827	K1248	withdrawn	p-tert-butylphenol 98
	5828	K1249	withdrawn	Cyclohexane 995
	5829	K1250	withdrawn	Refined phenol-405
	5830	K1251	withdrawn	Ethyl acrylate
	5831	K1252	withdrawn	n - butyl acrylate
	5832	K1253	withdrawn	2 - ethylhexyl acrylate
	5833	K1254	withdrawn	Maleic anhydride for industrial use
*	5842	K1255	withdrawn	Anhydrous sodium sulfate for use in explosives
	7156	K1256	1981-03	Acetic Anhydride
	7157	K1257	withdrawn	Tartaric acid
	7158	K1258	withdrawn	Succinic acid
	7427	K1259	withdrawn	Tall oil fatty acids

## Chemical Industry

CNS no.	Category no.	Date of		Title
		Current edition		
7428	K1260	withdrawn		Dehydrated castor acid
7429	K1261	withdrawn		Distilled coconut fatty acids
7430	K1262	withdrawn		Distilled corn fatty acids
7431	K1263	withdrawn		Distilled soybean fatty acids
7432	K1264	withdrawn		Fractionated and distilled cottonseed fatty acids
7433	K1265	1981-05		Distilled Linseed Fatty Acids
8014	K1266	withdrawn		Black wax
8016	K1267	withdrawn		Candelilla wax
8018	K1268	withdrawn		Lead 2-ethylhexoate
8020	K1269	withdrawn		2-Nitrodiphenylamine
8022	K1270	withdrawn		2-Naphthylaminesulfonic acid
8024	K1271	withdrawn		Lead salicylate
9301	K1272	withdrawn		Arabic gum (for electric primer uses )
9506	K1273	withdrawn		Potassium dichromate – Sulfuric acid reagent for analytical use
10657	K1274	withdrawn		Dinormal octyl phthalate
10658	K1275	withdrawn		Dibutyl phthalate
11190	K1276	withdrawn		Manganese powder of manganese dry cells and batteries
11261	K1277	withdrawn		Wood preservatives [Chromated copper borate (CCB)] (→C N S 1 4 4 9 5 )
12537	K1278	2005-05		Poly aluminum chloride for water works
12875	K1279	2006-02		Washed salt
13353	K1280	1994-03		Industrial Limes
14817	K1281	2004-04		Trichloroisocyanuric acid bleach
14867	K1282	2007-06		Poly aluminum chloride for waste water
14868	K1283	2004-10		Iron chloride ( II ) for waste water
15028	K1284	2006-08		Chloride ion standard solution
15029	K1285	2006-08		Sodium hydroxide for drinking water treatment
15122	K1286	2022-12		Hydrogen fuel quality – Product specification
15319	K1287	2010-06		Sodium hydroxide for industrial use—General rule
15960	K1288	2017-01		Chemical agent for water quality treatment (for water works) – Potassium permanganate
21087	K1289	2022-12		Gas analysis – Analytical methods for hydrogen fuel – Proton exchange membrane (PEM) fuel cell applications for road vehicles

## Pigments and Paints

*	13	K2001	withdrawn	Lead carbonate for paint
*	14	K2002	withdrawn	Lead sulfate for paint
*	15	K2003	withdrawn	Lithopone for paint
	16	K2004	withdrawn	Titanium dioxide (Pigment)
	554	K2005	2017-10	Lacquer thinner
*	601	K2006	2016-08	Ready mixed paint (Synthetic resin type )
	602	K2007	withdrawn	Ready-Mixed White and Light Color Paint for Interior Surface (→C N S 6 0 1 )
	603	K2008	withdrawn	Ready-Mixed Medium Color Paint for Exterior Surface (→C N S 6 0 1 )
	604	K2009	withdrawn	Ready-Mixed Medium Color Paint for Interior Surface (→C N S 6 0 1 )
	605	K2010	withdrawn	Ready-Mixed Deep Color Paint (→C N S 6 0 1 )
*	606	K2011	2016-08	Enamel
	607	K2012	withdrawn	Medium Color Enamel (→C N S 6 0 6 )
	608	K2013	withdrawn	Deep Color Enamel
*	609	K2014	2016-01	Nitrocellulose lacquer
*	610	K2015	withdrawn	Oleoresinous deck paint for steel ship
*	701	K2016	withdrawn	Carbon black (Pigment)
	766	K2017	withdrawn	Zinc oxide (Pigment)
*	770	K2018	withdrawn	Baking varnish
*	772	K2019	1970-01	Clear Varnish for Baking Varnish
	774	K2020	withdrawn	Red-lead primer
*	776	K2021	withdrawn	Zinc chromate anticorrosive paint

CNS no.	Category no.	Date of		Title
		Current edition		
*	778	K2022	withdrawn	Oleoresinous bottom paint for wooden ship (Copper paint)
*	779	K2023	1986-05	Oleoresinous boottopping paint for steel ship
*	780	K2024	1986-05	Oleoresinous anticorrosive paint for steel ship bottom
*	781	K2025	1986-05	Oleoresinous antifouling paint for steel ship bottom
	1042	K2026	withdrawn	Red lead (Pigment)
*	1044	K2027	withdrawn	Yellow lead, anticorrosive paint
*	1112	K2028	2018-12	Alkyd resin baking enamel
	1157	K2029	2017-10	Alkyd resin enamel
*	1248	K2030	2015-09	Oleoresinous undercoats
*	1248-2	K2030-2	withdrawn	Oil surfacer
*	1248-3	K2030-3	withdrawn	Oil primer surfacer
*	1248-4	K2030-4	withdrawn	Oil putty
	1333	K2031	2017-04	Road marking paint
	2070	K2032	withdrawn	Emulsion paint
*	2159	K2033	1986-05	Oleoresinous finish paint for steel ship
	2160	K2034	withdrawn	Light Gray Enamel for Hull (→CNS 2159)
*	2161	K2035	1986-05	Oleoresinous topside paint for steel ship
	2162	K2036	withdrawn	Oleoresinous red lead primer for steep ship
	2163	K2037	withdrawn	White Enamel for Marine Interior Use (→CNS 2159)
*	2164	K2038	1986-05	Oleoresinous zinc chromate primer for steel ship
*	2364	K2039	withdrawn	Fluorescent paint
*	2372	K2040	withdrawn	All color printing inks (For marking)
*	2410	K2041	2019-11	Acid resistant paint
*	2476	K2042	withdrawn	Lusterless lacquer
*	2625	K2043	withdrawn	Stencil paint
	2626	K2044	withdrawn	Non-glossy Enamels of All Colors (Speedy Dry)
	2627	K2045	withdrawn	Lustless enamel (Quick drying)(replaced by CNS 1157)
	2628	K2046	withdrawn	Rust inhibiting enamel (Semi-gloss)
	2703	K2047	withdrawn	Acid-resistant Resin-emulsion Paint
*	2809	K2048	1986-04	Chinese lacquer
*	2948	K2049	2016-01	Lacquer undercoat
*	2949	K2050	2019-11	Heat resistant paint
*	3233	K2051	withdrawn	Dope thinner
	3297	K2052	withdrawn	Ultramarine blue
	3835	K2053	withdrawn	Iron oxide (Pigment)
	3837	K2054	withdrawn	Zinc chromate yellow
*	3921	K2055	1986-05	Lacquer for leather
	3945	K2056	withdrawn	Chrome yellow (Pigment)
*	3952	K2057	withdrawn	Cuprous oxide (for paint use)
*	4907	K2058	withdrawn	Red-lead zinc chromate anticorrosive paint
*	4908	K2059	2016-01	Anticorrosive primer for general use
*	4909	K2060	withdrawn	Lead suboxide anticorrosive paint
*	4910	K2061	withdrawn	Oleoresinous varnish
	4911	K2062	2016-05	Lacquer wood sealers
*	4912	K2063	withdrawn	Lacquer sanding sealer
*	4913	K2064	withdrawn	Clear lacquer
*	4914	K2065	withdrawn	Retarder for lacquer
*	4915	K2066	withdrawn	Chlorinated rubber red lead anticorrosive primer
*	4916	K2067	withdrawn	Chlorinated rubber zinc chromate anticorrosive primer
*	4917	K2068	withdrawn	Chlorinated rubber LZI anti-corrosive primer
*	4918	K2069	withdrawn	Chlorinated rubber red iron oxide anticorrosive primer
*	4919	K2070	2018-12	Chlorinated rubber finish paint
*	4920	K2071	withdrawn	Chlorinated rubber anticorrosive paint for steel ship
*	4921	K2072	withdrawn	Chlorinated rubber antifouling paint for steel ship
*	4922	K2073	withdrawn	Chlorinated rubber boottopping paint for steel ship
*	4923	K2074	withdrawn	Chlorinated rubber topside paint for steel ship
*	4924	K2075	withdrawn	Chlorinated rubber deck paint for steel ship
	4925	K2076	withdrawn	Vinyl chloride resin red lead anticorrosive primer

## Chemical Industry

		Date of		
CNS no.	Category no.	Current edition	Title	
*	4926	K2077	withdrawn	Vinyl chloride resin zinc chromate anticorrosive primer
	4927	K2078	2017-03	Vinyl chloride resin enamel
*	4928	K2079	withdrawn	Vinyl chloride resin anticorrosive paints for outside plating of steel ship
*	4929	K2080	withdrawn	Vinyl chloride resin antifouling paint for bottom of steel ship
*	4930	K2081	withdrawn	Vinyl chloride resin boottopping paint for steel ship
*	4931	K2082	withdrawn	Vinyl chloride resin topside paint for steel ship
*	4932	K2083	withdrawn	Vinyl chloride resin anti-fouling paint of bottom for wooden ship
*	4933	K2084	2019-11	Acrylic resin baking enamel
	4934	K2085	2017-08	Etching primer
*	4935	K2086	1986-05	Epoxy resin non-zinc primer
*	4936	K2087	2022-04	High build type zinc paint
*	4937	K2088	withdrawn	Inorganic zinc rich primer(Solvent type)
*	4938	K2089	1987-05	Epoxy resin paint
	4939	K2090	2017-10	Tar epoxy resin paint
	4940	K2091	2022-04	Emulsion paint
	4941	K2092	2017-08	Aminoalkyd resin paint
*	4942	K2093	2019-11	Polyurethane wood paint
*	4943	K2094	withdrawn	Polyurethane sanding sealer (replaced by CNS 4942)
*	4944	K2095	withdrawn	Polyurethane clear coating (replaced by CNS 4942)
*	5032	K2096	withdrawn	Baking primer
	5211	K2097	withdrawn	Lead-free coatings for toy (→CNS 4797、4797-2)
	5212	K2098	withdrawn	Amino resin
*	5213	K2099	withdrawn	Alkyd resin (Medium oil type)
*	5214	K2100	withdrawn	Alkyd resin (Long oil type)
*	5215	K2101	withdrawn	Alkyd resin (Short oil type)
	5867	K2102	withdrawn	Blue lead, Basic sulfate
	5868	K2103	withdrawn	Lamp black
	5869	K2104	withdrawn	Bone black
	5870	K2105	withdrawn	Yellow iron oxide hydrated
	5871	K2106	withdrawn	Chrome oxide green pigment
	5872	K2107	withdrawn	Phthalocyanine green
	5873	K2108	withdrawn	Strontium chromate pigment
	5874	K2109	withdrawn	Basic lead silico-chromate
	5875	K2110	withdrawn	Umber, raw and burnt
	5876	K2111	withdrawn	Ocher
	5877	K2112	withdrawn	Sienna, raw and burnt
	5878	K2113	withdrawn	Toluidine, pure red toner
	5879	K2114	withdrawn	Iron oxide pigments, red and brown
	5880	K2115	withdrawn	Mercuric oxide, antifouling
	5881	K2116	withdrawn	Mica pigment
*	5882	K2117	withdrawn	Diatomaceous silica pigment
	5883	K2118	withdrawn	Barium sulfate pigment
	5884	K2119	withdrawn	Magnesium silicate pigment
*	6235	K2120	withdrawn	Zinc sulfide pigments
*	6236	K2121	withdrawn	Leaded zinc oxide
	6237	K2122	withdrawn	Tribasic lead phosphosilicate
*	6470	K2123	withdrawn	Pure para red toner
	6475	K2124	withdrawn	2-Methoxy ethanol
*	8144	K2125	2022-04	Solvent-base masonry paint
	8422	K2126	withdrawn	Zinc oxide — Paste in oil
	8423	K2127	withdrawn	Orange shellac and other lacs
*	8424	K2128	withdrawn	Metallic copper powder for use in antifouling paints
	8706	K2129	2017-08	Aluminium paint
*	10086	K2130	withdrawn	Press ink
*	10088	K2131	withdrawn	Mimeograph ink
*	10353	K2132	withdrawn	Lithol red B
*	10354	K2133	withdrawn	Brilliant scarlet G
*	10355	K2134	withdrawn	Pigment scarlet 3B



CNS no.	Category no.	Date of		Title
		Current edition		
*	10356	K2135	withdrawn	Brilliant carmine 6B
*	10357	K2136	withdrawn	Lake red C
*	10358	K2137	withdrawn	Lake red D
*	10359	K2138	withdrawn	Permanent red 4R
*	10360	K2139	withdrawn	Bordeaux 5B
*	10361	K2140	withdrawn	Bordeaux 10B
*	10362	K2141	withdrawn	Fast yellow G
*	11489	K2142	2019-11	Ready mixed paint (Oleo-resinous type)
*	11722	K2143	withdrawn	Ford cup for determining consistency of coatings
	11724	K2144	withdrawn	White wood primer
*	11726	K2145	withdrawn	Shellac varnish and bleached sheelac varnish
*	11728	K2146	2022-04	Fire-retardant paints for buildings
*	11729	K2147	withdrawn	Cashew resin surfacer
*	11731	K2148	withdrawn	Lacquer surfacer
*	11799	K2149	withdrawn	Cashew resin varnish
*	11801	K2150	withdrawn	Cashew resin enamel
*	11803	K2151	withdrawn	Lacquer putty
*	11805	K2152	withdrawn	Cashew resin putty
*	11807	K2153	1986-12	Unsaturated polyester resin putty
	11944	K2154	withdrawn	Precipitated barium sulfate and ground barite (Pigment)
*	11946	K2155	withdrawn	Cashew resin primer
	11948	K2156	withdrawn	Colophonium
*	12129	K2157	withdrawn	Basic lead chromate anticorrosive paint
*	12131	K2158	withdrawn	Lead cyanamide anticorrosive paint
*	12133	K2159	withdrawn	Zinc dust anticorrosive paint
*	12135	K2160	withdrawn	Calcium plumbate anticorrosive paint
*	12137	K2161	2016-01	Multicolor paints
*	12139	K2162	2018-12	Alkyd resin varnish
*	12141	K2163	1987-10	Vinyl chloride resin varnish
*	12143	K2164	1987-10	Acrylic resin varnish
*	12145	K2165	2016-01	Varnish for interior wooden floor
*	12147	K2166	2016-01	Household paint for wood and metal
	12158	K2167	withdrawn	Iron blue (Pigment)
	12160	K2168	withdrawn	Luminous paints
*	12162	K2169	withdrawn	Ester gum
	12164	K2170	withdrawn	Aluminum paste for paint
	12181	K2171	withdrawn	Chlorobenzenes
	12182	K2172	withdrawn	Chloronitrobenzenes
	12183	K2173	withdrawn	p-Nitroaniline
*	12184	K2174	withdrawn	Dianisidine (4,4'-Diamino-3,3'-Dimethoxybiphenyl)
*	12185	K2175	withdrawn	2-Aminonaphthalene-1-Sulfonic acid
*	12186	K2176	withdrawn	Carbonyl J-Acid (Disodium salt)
*	12187	K2177	withdrawn	o-Cresotinic acid (2-Hydroxy-3-methylbenzoic acid)
*	12188	K2178	withdrawn	4,4'-Diaminostilbene-2,2'-disulfonic acid
*	12195	K2179	withdrawn	Acetanilide
*	12196	K2180	withdrawn	N,N-Dimethylaniline
*	12197	K2181	withdrawn	N,N-Diethylaniline
*	12198	K2182	withdrawn	N-Ethylaniline
*	12199	K2183	withdrawn	N-Methylaniline
*	12200	K2184	withdrawn	N-benzyl-N-ethylaniline
*	12201	K2185	withdrawn	Sulfanilic acid
*	12202	K2186	withdrawn	Salicylic acid (o-hydroxybenzoic acid)
*	12203	K2187	withdrawn	Resorcinol
*	12204	K2188	withdrawn	o-Tolidine (4,4''-Diamino-3,3''-Dimethylbiphenyl)
*	12205	K2189	withdrawn	2 S-Acid (Monosodium salt)
*	12206	K2190	withdrawn	8-Amino-1-Naphthalene sulfonic acid
*	12207	K2191	withdrawn	p-Nitrophenol
*	12208	K2192	withdrawn	Phenyl J-Acid

## Chemical Industry

	CNS no.	Category no.	Date of	
			Current edition	Title
*	12224	K2193	withdrawn	Benzyl chloride
*	12226	K2194	withdrawn	Benzaldehyde
*	12228	K2195	withdrawn	Benzoic acid
*	12230	K2196	withdrawn	Phthalic anhydride
	12232	K2197	withdrawn	Diaminobenzenes
	12233	K2198	withdrawn	Nitrobenzene and nitrotoluenes
	12234	K2199	withdrawn	Aminobenzenes
*	12264	K2200	1994-11	Aluminium tri - polyphosphate for coating
*	12266	K2201	2018-12	Alkyd resin aluminium tri-polyphosphate anticorrosive primer
*	12268	K2202	2018-12	Epoxy resin aluminium tri-polyphosphate anticorrosive primer
*	12270	K2203	2018-12	Chlorinated rubber aluminium tri-polyphosphate anticorrosive primer
*	12272	K2204	withdrawn	O-Aminobenzoic acid (Anthranilic acid)
*	12273	K2205	withdrawn	p-Chloro-o-nitroaniline
*	12274	K2206	withdrawn	Cyclohexanone
*	12275	K2207	withdrawn	Adipic acid
*	12276	K2208	withdrawn	Acetoacetanilides acetoacetanilide 2"-Methylacetoacetanilide 2",4"-Dimethylacetoacetanilide 2"-Chloroacetoacetanilide
*	12277	K2209	withdrawn	Sodium 4-amino-2-chlorotoluene-5-sulfonate
*	12278	K2210	withdrawn	o-Nitroanisole
*	12279	K2211	withdrawn	Sodium 4-hydroxy-1-naphthalene sulfonate [ Neville and Winthers acid (Sodium salt) ]
*	12300	K2212	withdrawn	Chlorotoluenes
*	12301	K2213	withdrawn	Fast yellow 10 g
*	12302	K2214	withdrawn	Para red
*	12303	K2215	withdrawn	Watchung red
*	12304	K2216	withdrawn	Benzidine yellow
*	12305	K2217	withdrawn	Benzidine orange
*	12306	K2218	withdrawn	Bon maroon M
*	12307	K2219	withdrawn	Brilliant fast scarlet
*	12308	K2220	withdrawn	Vermilion red
*	12309	K2221	withdrawn	Phthalocyanine blue
*	12310	K2222	withdrawn	Fast sky blue
*	12311	K2223	withdrawn	Aniline black
*	12341	K2224	withdrawn	Naphthols
*	12342	K2225	withdrawn	3-Hydroxy-2-naphthoic acid
*	12343	K2226	withdrawn	1-Naphthylamine
*	12344	K2227	withdrawn	Sodium naphthionate
*	12345	K2228	withdrawn	H-Acid (Monosodium salt)
*	12346	K2229	withdrawn	J-Acid
*	12398	K2230	withdrawn	γ-Acid (Gamma acid)
*	12399	K2231	withdrawn	o-Toluenesulfonamide
*	12400	K2232	withdrawn	Anisidines
*	12401	K2233	withdrawn	Chloroanilines
*	12402	K2234	withdrawn	m-Aminophenol
*	12417	K2235	withdrawn	Metanilic acid
*	12418	K2236	withdrawn	C-Acid
*	12419	K2237	withdrawn	Dinitrobenzenes
*	12420	K2238	withdrawn	R-Acid (Disodium salt)
*	12421	K2239	withdrawn	G-Acid (Dipotassium salt)
*	12484	K2240	1989-01	Canned aerosol lacquer
*	13442	K2241	withdrawn	Household paint for interior wall
	13658	K2242	1996-05	Test panels for paints
	14132	K2243	1998-04	Inorganic zinc rich primer (Water-borne type)
	14141	K2244	1998-06	Waterproofing varnish for electrical and ignition system
	14306-1	K2245-1	1999-05	Preparation of steel substrates before application of paints and related products – Surface roughness characteristics of blast-cleaned steel substrates (Specifications and definitions for ISO
	14306-2	K2245-2	1999-05	Preparation of steel substrates before application of paints and related products – Surface roughness characteristics of blast-

CNS no.	Category no.	Date of		Title
		Current edition		
14306-3	K2245-3	1999-05		cleaned steel substrates (Method for the grading of surface profile of Preparation of steel substrates before application of paints and related products – Surface roughness characteristics of blast-cleaned steel substrates (Method for the calibration of ISO surface
14306-4	K2245-4	1999-05		Preparation of steel substrates before application of paints and related products - Surface roughness characteristics of blast-cleaned steel substrates (Method for the calibration of ISO surface
15433	K2246	2010-11		Terminology for paints and varnishes
15665	K2247	2013-10		Long durable paints for steel structures
15666	K2248	2013-10		Long durable top coats for constructions
15667	K2249	2016-01		Lead-free, chromium-free anticorrosive paints
15831	K2250	2015-09		Zinc rich primer
15931	K2251	2022-04		General safety requirements for paints
16023	K2252	2017-11		Heavy-duty anticorrosive paints for metal structures
16174-1	K2253-1	2022-08		Paints and varnishes – Corrosion protection of steel structures by protective paint and coating systems – Part 1: General introduction
16174-2	K2253-2	2022-08		Paints and varnishes – Corrosion protection of steel structures by protective paint and coating systems – Part 2: Classification of environments
16174-3	K2253-3	2022-08		Paints and varnishes – Corrosion protection of steel structures by protective paint and coating systems – Part 3: Design considerations
16174-4	K2253-4	2022-08		Paints and varnishes – Corrosion protection of steel structures by protective paint and coating systems – Part 4: Types of surface and surface preparation
16174-5	K2253-5	2022-08		Paints and varnishes – Corrosion protection of steel structures by protective paint and coating systems – Part 5: Protective paint systems
16174-6	K2253-6	2022-08		Paints and varnishes – Corrosion protection of steel structures by protective paint and coating systems – Part 6: Laboratory performance test methods
16174-7	K2253-7	2022-08		Paints and varnishes – Corrosion protection of steel structures by protective paint and coating systems – Part 7: Execution and supervision of paint work
16174-8	K2253-8	2022-08		Paints and varnishes – Corrosion protection of steel structures by protective paint and coating systems – Part 8: Development of specifications for newwork and maintenance
16174-9	K2253-9	2022-08		Paints and varnishes – Corrosion protection of steel structures by protective paint and coating systems – Part 9: Protective paint systems and laboratory performance test methods for offshore and
16195-1	K2255-1	2023-02		Paints and varnishes – Determination of resistance to filiform corrosion – Part1: Steel substrates

## Plastics

*	1087	K3001	1989-11	Vinyl Chloride Resin Compounds (for Electric Wires and Cables)
*	1295	K3002	withdrawn	Polyvinyl chloride
*	1296	K3003	1989-11	Flexible Polyvinyl Chloride Tube
*	1298	K3004	2017-02	Unplasticized polyvinyl chloride (PVC-U) pipes
	1300	K3005	withdrawn	Rigid Pvc Pipes for Water Supply (→ CNS 4 0 5 3 )
*	1302	K3006	2014-02	Unplasticized polyvinyl chloride (UPVC) for electric conduit use
*	1440	K3007	1962-04	Pvc Sheet and Film, Soft
	2219	K3008	2005-03	Vinyl chloride and vinyl acetate co-polymer molding compounds
	2228	K3009	withdrawn	Methylacrylate sheet for general use (replaced by CNS 2228-1 、 CNS 2228-2 and CNS 2228-3)
	2228-1	K3009-1	2017-11	Plastics – Poly (methyl methacrylate) sheets – Types, dimensions and characteristics – Part 1: Cast sheets
	2228-2	K3009-2	2017-11	Plastics – Poly (methyl methacrylate) sheets – Types, dimensions and characteristics – Part 2: Extruded sheets
	2228-3	K3009-3	2017-11	Plastics – Poly (methyl methacrylate) sheets – Types, dimensions

## Chemical Industry

CNS no.	Category no.	Date of		Title
		Current edition		
				and characteristics – Part 3: Continuous cast sheets
2232	K3010	2005-03		Urea resin adhesives
2334	K3011	2017-02		Unplasticized polyvinyl chloride (PVC-U) pipe fittings for water supply
2456	K3012	withdrawn		Polyethylene pipes for water works
2456-1	K3012-1	2020-10		Plastics piping systems for water supply and for drainage and sewerage under pressure – Polyethylene (PE) – Part 1: General
2456-2	K3012-2	2020-10		Plastics piping systems for water supply and for drainage and sewerage under pressure – Polyethylene (PE) – Part 2: Pipes
2456-3	K3012-3	2020-10		Plastics piping systems for water supply and for drainage and sewerage under pressure – Polyethylene (PE) – Part 3: Fittings
2456-5	K3012-5	2020-10		Plastics piping systems for water supply and for drainage and sewerage under pressure – Polyethylene (PE) – Part 5: Fitness for purpose of the system
*	2458	K3013	withdrawn	Polyethylene pipes for chemical industrial and general uses
*	2535	K3014	1992-06	Thermal Insulation Material Made of Polystyrene Foam
	2676	K3015	withdrawn	Polyvinyl acetate adhesives (→CNS 12600)
	2677	K3016	withdrawn	Pretreatment primer for metals
*	2706	K3017	1972-01	Emulsified Polyvinyl Acetate Adhesives
*	2939	K3018	1972-06	Polyethylene Resin
*	2985	K3019	1974-10	Urea Resin Molding Compounds
*	2987	K3020	withdrawn	Phenol formaldehyde resin molding compounds
*	3142	K3021	withdrawn	PVC board( replaced by CNS 3142-1 )
	3142-1	K3021-1	2021-12	Plastics – Unplasticized poly(vinyl chloride) sheets – Part 1: Types, dimensions and characteristics for sheets of thickness not less than 1 mm
	3142-2	K3021-2	2021-12	Plastics – Unplasticized poly(vinyl chloride) sheets – Part 2: Types, dimensions and characteristics for sheets of thickness less than 1 mm
*	3144	K3022	1987-09	Polyvinyl Chloride Corrugated Sheet
	3216	K3023	withdrawn	PVC floor sheets
*	3272	K3024	withdrawn	Polymethylmethacrylate corrugated sheet
*	3293	K3025	1992-01	Polyvinyl chloride tarpaulin
*	3295	K3026	1992-01	Polychloroprene rubber adhesives
	3308	K3027	withdrawn	Polyvinyl chloride asbestos tiles for flooring
	3310	K3028	withdrawn	PVC Wall Papers (→CNS 11491)
	3637	K3029	withdrawn	Phenyl ethylene (styrene) monomer
	3707	K3030	withdrawn	Phenol and formaldehyde content in extract of phenolic resin or other thermosetting resins dinner wares
*	3895	K3031	1990-06	Flexible polyvinylchloride water-stops
*	3918	K3032	1976-03	Polystyrene moulding materials (for general use)
*	4053-1	K3033-1	2017-02	Unplasticized polyvinyl chloride (PVC-U) pipes for water supply
*	4089	K3034	1993-01	Glass-fiber-reinforced plastic corrugated sheets
*	4451	K3035	2015-10	Flexible cellular polymeric materials – Polyurethane foam for load-bearing applications – Specification
	5345	K3036	1980-03	Standard Definitions of Terms Relating to Adhesives
	5346	K3037	2005-12	Plastics - symbols and abbreviated terms - Part 1:Basic polymers and their special characteristics
	5346-1	K3037-1	2005-12	Plastics - Symbols and abbreviated terms - Part 2: Fillers and reinforcing materials
	5346-2	K3037-2	2005-12	Plastics - Symbols and abbreviated terms - Part 3 : Plasticizers
	5346-3	K3037-3	2005-12	Plastics - Symbols and abbreviated terms - Part 4 : Flame retardants
*	5844	K3038	withdrawn	Flexible urethane foam for garments
	5850	K3039	withdrawn	Reduction of permissible stress as a function of time and temperature for polypropylene pipes
	5851	K3040	withdrawn	Requirements for burst test of polypropylene pipes
	5854	K3041	withdrawn	Opacity of unplasticized polyvinyl chloride (PVC) pipes
	5856	K3042	withdrawn	Resistance to acetone of unplasticized polyvinyl chloride (PVC) pipes
*	6224	K3043	1980-08	Polyvinyl chloride adhesives for PVC products

Date of				
CNS no.	Category no.	Current edition	Title	
*	6479	K3044	1987-07	Rigid PVC extrusion sheet for duct
*	6480	K3045	1987-09	Polyvinyl chloride joint (for plate )
*	6482	K3046	1993-10	Polyurethane (PU) Athletic Installation Material
*	6484	K3047	1981-09	Nonrigid PVC handrail
*	7044	K3048	withdrawn	Polybutylene (PB) Plastic Tubing
*	7046	K3049	withdrawn	Polybutylene (PB) plastic hot-water distribution systems
	7046-1	K3049-1	2018-12	Plastics piping systems for hot and cold water installations – Polybutene (PB) – Part 1: General
	7046-2	K3049-2	2018-12	Plastics piping systems for hot and cold water installations – Polybutene (PB) – Part 2: Pipes
	7046-3	K3049-3	2018-12	Plastics piping systems for hot and cold water installations – Polybutene (PB) – Part 3: Fittings
	7046-5	K3049-5	2018-12	Plastics piping systems for hot and cold water installations – Polybutene (PB) – Part 5: Fitness for purpose of the system
	7046-7	K3049-7	2011-03	Polybutylene (PB) plastics piping systems for hot and cold water installations - Part 7: Guidance for the assessment of conformity
*	7056	K3050	withdrawn	Rigid polyvinyl chloride corrugated pipes
*	7159	K3051	withdrawn	Flexible polyvinyl chloride roofing sheet for waterproof
*	7161	K3052	1982-10	Propylene plastic molding and extrusion materials
	7398	K3053	2011-03	Textile glass chopped strand mats
*	7399	K3054	2011-03	Textile glass roving
*	7400	K3055	2011-03	Textile glass yarns
*	7401	K3056	2011-03	Textile glass-woven roving
*	7402	K3057	2011-03	Textile glass chopped strands
	8425	K3058	withdrawn	Glass fiber mat for steel pipe over wrapping
	8426	K3059	withdrawn	Glass fiber mat for floor - Covering substrate
	8427	K3060	withdrawn	Glass fiber mat for printed circuit board
*	9519	K3061	2021-12	Polyvinylchloride coated fabric
	9715	K3062	2009-01	Liquid unsaturated polyester resin for reinforced plastics
*	9717	K3063	2011-03	Textile glass cloth
*	9718	K3064	2011-03	Finished textile glass cloth
*	9719	K3065	2011-03	Textile glass tapes
*	9720	K3066	1982-12	Finished glass tapes
*	9896	K3067	withdrawn	Ethylene vinyl acetate resin
*	10510	K3068	withdrawn	Polytetrafluoroethylene tapes
	10511	K3069	withdrawn	Polytetrafluoroethylene sheets
*	10659	K3070	1983-11	Polyethylene films for agriculture
*	11074	K3071	1984-10	Melamine-Formaldehyde Molding Compounds
*	11285	K3072	withdrawn	Rigid acrylonitrile-butadiene-styrene (ABS) plastics
*	11335	K3073	1995-07	Polycarbonate Sheets
*	11337	K3074	withdrawn	Acrylonitrile-butadiene-styrene (ABS) sheets
	11339	K3075	withdrawn	Cellulose acetate sheet
*	11366	K3076	1985-09	Decorative laminated sheet based on thermosetting resins
	11415	K3077	withdrawn	General tolerance for polytetrafluoroethylene (machine cut)
	11416	K3078	withdrawn	Dimensions of polyamide (Nylon 6, 66) sheets and rods
*	11608	K3079	1986-05	Unplasticized polyvinyl chloride pipe with fiberglass reinforced plastic reinforcement
	11646	K3080	2004-04	Glassfiber reinforced plastic pipe for sewer and industrial use
	11648	K3081	1998-12	Glass-fiber-reinforced plastic pipe for water work
*	11650	K3082	1986-08	Glassfiber Reinforced Plastic Electric Enclosure
*	11652	K3083	1986-08	Glassfiber Reinforced Plastic Lamp Pole
*	11654	K3084	1986-08	Glassfiber reinforced plastic water tank
*	11656	K3085	1986-08	Glassfiber reinforced plastic chemical-resistant tank
*	11658	K3086	1993-07	Construction parts of glassfiber reinforced plastic septic tank
*	11660	K3087	withdrawn	Glassfiber reinforced plastic seats
*	11710	K3088	withdrawn	Rigid polyvinyl chloride sheets and films( replaced by CNS 3142-2 )
	11908	K3089	2015-03	Plastic box and fix plate for low voltage A.C. power meter
*	12001	K3090	1987-06	Phenol resin adhesives for wood

## Chemical Industry

	CNS no.	Category no.	Date of	
			Current edition	Title
*	12003	K3091	1987-06	Casein glue for wood
*	12005	K3092	2021-12	Polyvinyl chloride prepainted and laminated metal sheet and strip
*	12493	K3093	1989-02	High Density Polyethylene Geomembrane for Sanitary Landfill
*	12698	K3094	1993-05	Unplasticized polyvinyl chloride pipes for raft
*	12719	K3095	1990-05	Polyethylene shading net for agriculture use
*	12721	K3096	1990-05	U-shaped high density polyethylene bag
*	12835	K3097	withdrawn	Polyethylene pipes for natural gas supply
	12835-1	K3097-1	2016-06	Plastics piping systems for the supply of gaseous fuels - Polyethylene (PE) - Part 1 : General
	12835-2	K3097-2	2016-06	Plastics piping systems for the supply of gaseous fuels - Polyethylene (PE) - Part 2 : Pipes
	12835-3	K3097-3	2020-09	Plastics piping systems for the supply of gaseous fuels – Polyethylene (PE) – Part 3: Fittings
	12835-4	K3097-4	2020-09	Plastics piping systems for the supply of gaseous fuels – Polyethylene (PE) – Part 4: Valves
	12835-5	K3097-5	2020-09	Plastics piping systems for the supply of gaseous fuels – Polyethylene (PE) – Part 5: Fitness for purpose of the system
*	12876	K3098	withdrawn	Crosslinked polyethylene-aluminum-crosslinked polyethylene pipes for water work
*	13023	K3099	1996-05	Glass-fiber-reinforced plastic panel water tank
*	13025	K3100	1992-09	Glass-fiber-reinforced plastic underground petroleum storage tank
	13156	K3101	1999-12	Polyethylene-aluminum-polyethylene pipes for water work
*	13158	K3102	1995-10	Acrylonitrile-Butadiene-Styrene (ABS) plastic pipes for water works
*	13344	K3103	1994-02	Rigid Acrylonitrile - Butadiene - Styrene (ABS) Compounds for Pipes and Fittings
*	13346	K3104	1994-02	Acrylonitrile - Butadiene - Styrene (ABS) Plastic Fittings for Water Works
*	13454	K3105	1994-12	Glassfiber reinforced plastic underground petroleum pipes and fittings
*	13474	K3106	1995-01	Acrylonitrile - Butadiene - Styrene (ABS) plastic pipes and fittings for chemical industrial and general uses
	13496	K3107	2000-02	Unplasticized polyvinyl chloride pipes with polyethylene lining for water works
	13506	K3108	1995-03	Glass - fiber - reinforced plastic pipe fittings
	13546	K3109	withdrawn	Polymethyl methacrylate moulding materials (replaced by CNS 13546-1 and CNS 13546-2)
	13546-1	K3109-1	2017-11	Plastics – Poly (methyl methacrylate) (PMMA) moulding and extrusion materials – Part 1: Designation system and basis for specifications
	13546-2	K3109-2	2017-11	Plastics – Poly (methyl methacrylate) (PMMA) moulding and extrusion materials – Part 2: Preparation of test specimens and determination of properties
*	13629	K3110	1996-01	Polycarbonate moulding materials
*	13746	K3111	1996-07	Unplasticized polyvinyl chloride pipes with polyethylene lining for wastewater and general uses
*	13871	K3112	1997-05	Polyvinyl chloride lining sheets for anti-corrosion
	14241	K3113	1998-09	Glossary of terms used in plastic industry
	14345	K3114	2017-02	Unplasticized high impact polyvinyl chloride pipes
	14442	K3115	2000-07	Rigid poly (Vinyl chloride) (PVC) compounds and chlorinated poly (Vinyl chloride) (CPVC) compounds
	14493	K3116	2000-11	Solvent cements for chlorinated poly (Vinyl chloride) (CPVC) plastic pipe and fittings
	14494	K3117	2000-11	Glassfiber reinforced plastic pressure pipe for conveying water works
	14572	K3118	2001-08	Corrugated polyethylene pipe
	14589	K3119	2001-11	Coextruded polyvinyl chloride (PVC) plastic pipe with a cellular core
	14661	K3120	2022-06	Plastics – Organic recycling – Compostable plastics
	14664	K3121	2018-10	Chlorinated poly (vinyl chloride) plastic pipe
	14679	K3122	2002-09	Polypropylene (PP) pipes
	14808	K3123	2018-10	Chlorinated poly (vinyl chloride) plastic fittings

CNS no.	Category no.	Date of		Title
		Current edition		
14846	K3124	2004-07		Polyurethane leather
14899	K3125	2005-02		Polyethylene large diameter profile wall sewer and drain pipe
15010	K3126	2022-04		Unplasticized high impact polyvinyl chloride (PVC-U) pipe fittings for general uses and water supply
15258	K3127	2022-06		Labeling of end items that incorporate plastics and polymers as coatings or additives with paper and other substrates designed to be aerobically composted in municipal or industrial facilities
15317-1	K3128-1	2010-03		Crosslinked polyethylene (PE-X) pipe for hot and cold water conveyance – Part 1: General
15317-2	K3128-2	2010-03		Crosslinked polyethylene (PE-X) pipe for hot and cold water conveyance – Part 2: Pipes
15317-3	K3128-3	2010-03		Crosslinked polyethylene (PE-X) pipe for hot and cold water conveyance – Part 3: Fittings
15317-5	K3128-5	2010-03		Crosslinked polyethylene (PE-X) pipe for hot and cold water conveyance – Part 5: Fitness for purpose of the system
15558-1	K3129-1	2012-09		Flexible cellular polymeric materials – Physical properties – Part 1: General rules
15558-2	K3129-2	2012-09		Flexible cellular polymeric materials — Part 2: Determination of hardness (indentation technique), compressive deflection coefficient, hysteresis loss rate and stress/strain characteristic in
15558-3	K3129-3	2012-09		Flexible cellular polymeric materials – Physical properties – Part 3: Determination of resilience
15558-4	K3129-4	2012-09		Flexible cellular polymeric materials – Physical properties – Part 4: Determination of compression set and fatigue characteristics
15558-5	K3129-5	2012-09		Flexible cellular polymeric materials – Physical properties – Part 5: Determination of tensile strength, elongation at break and tear strength
15558-6	K3129-6	2012-09		Flexible cellular polymeric materials – Physical properties – Part 6: Determination of burning characteristics
15558-7	K3129-7	2012-09		Flexible cellular polymeric materials – Physical properties – Part 7: Determination of air permeability
15559	K3130	2012-09		Flexible and rigid cellular polymeric materials – Accelerated ageing tests
15753	K3131	2014-10		Plastics piping systems for non-pressure underground drainage and sewerage - Polyethylene (PE)
15754	K3132	2014-10		Plastics piping systems for soil and waste discharge inside buildings - Polyethylene (PE)
15837	K3133	2015-10		Flexible cellular polymeric materials – Polyvinylchloride foam sheeting
15838	K3134	2015-10		Flexible cellular polymeric materials – Polyurethane foam for laminate use
15953	K3135	2016-12		Rigid cellular plastics – Thermal insulation products for buildings
15954-1	K3136-1	2016-12		Rigid cellular plastics – Spray-applied polyurethane foam for thermal insulation – Part 1: Material specifications
15954-2	K3136-2	2016-12		Rigid cellular plastics – Spray-applied polyurethane foam for thermal insulation – Part 2: Application
15954-3	K3136-3	2016-12		Rigid cellular plastics – Spray-applied polyurethane foam for thermal insulation – Part 3: Test methods
15955-1	K3137-1	2016-12		Flexible cellular polymeric materials – Sponge and expanded cellular rubber products – Specification – Part 1: Sheetting
15955-2	K3137-2	2016-12		Flexible cellular polymeric materials – Sponge and expanded cellular rubber products – Specification – Part 2: Mouldings and extrusions
15996	K3138	2017-09		Plastic hoses for fuel gas
16016-1	K3139-1	2017-10		Plastics piping systems for hot and cold water installations – Polypropylene (PP) – Part 1: General
16016-2	K3139-2	2017-10		Plastics piping systems for hot and cold water installations – Polypropylene (PP) – Part 2: Pipes
16016-3	K3139-3	2017-10		Plastics piping systems for hot and cold water installations – Polypropylene (PP) – Part 3: Fittings

## Chemical Industry

CNS no.	Category no.	Date of		Title
		Current edition		
16016-5	K3139-5	2017-10		Plastics piping systems for hot and cold water installations – Polypropylene (PP) – Part 5: Fitness for purpose of the system
16016-7	K3139-7	2017-10		Plastics piping systems for hot and cold water installations – Polypropylene (PP) – Part 7: Guidance for the assessment of conformity
21003-1	K3140-1	2018-05		Multilayer piping systems for hot and cold water installations inside buildings – Part 1: General
21003-2	K3140-2	2018-05		Multilayer piping systems for hot and cold water installations inside buildings – Part 2: Pipes
21003-3	K3140-3	2018-05		Multilayer piping systems for hot and cold water installations inside buildings – Part 3: Fittings
21003-5	K3140-5	2018-05		Multilayer piping systems for hot and cold water installations inside buildings – Part 5: Fitness for purpose of the system
21003-7	K3140-7	2018-05		Multilayer piping systems for hot and cold water installations inside buildings – Part 7: Guidance for the assessment of conformity

## Rubbers

	736	K4001	2019-07	Bicycle tyres
	738	K4002	2019-07	Inner tubes for bicycle tyres
*	745	K4003	2014-04	Classical and narrow V-belts for power transmission
*	747	K4004	2013-09	Flat rubber belts for power transmission
*	806	K4005	withdrawn	Rubber hoses, general rules
*	807	K4006	2018-12	Rubber hoses, textile-reinforced, for general-purpose water applications
*	808	K4007	2018-12	Rubber hoses, textile-reinforced, for compressed air
*	809	K4008	2021-12	Gas welding equipment – Rubber hoses for welding, cutting and allied processes
*	810	K4009	1986-10	Rubber Hoses for Acetylene
*	811	K4010	2018-12	Rubber hoses and hose assemblies for saturated steam
*	812	K4011	2021-12	Rubber hoses, textile-reinforced, for compressed air
*	813	K4012	1986-10	Rubber Hoses for Water Sprinkling Use
*	814	K4013	2018-12	Rubber hoses and hose assemblies for water suction and discharge
	1153	K4014	withdrawn	Tires for carts
	1155	K4015	withdrawn	Wheel tubes for carts
	1430	K4016	withdrawn	Sizes of Tires for Automobiles (→CNS 3 6 6 8)
*	1431	K4017	2015-12	Automobile tyres
	1432	K4018	2006-12	Inner tubes for automobile tyres
	2196	K4019	withdrawn	Smoked rubber sheet
*	2230	K4020	2013-09	Reclaimed rubbers
*	2533	K4021	1974-06	Natural rubber latex
	3141	K4022	withdrawn	Finishing agent for rubber goods
	3281	K4023	withdrawn	Arabic gum (for general uses)
*	3550	K4024	2015-08	Rubber packing material – Classification of physical properties
*	3668	K4025	2011-09	Automobile tyres – Designation and design information
*	3669	K4026	2011-09	Motorcycle tyres – Designation and dimensions
*	3670	K4027	2011-09	Dimensions of tyres for passenger car
*	3671	K4028	2012-12	Dimensions of tyres for light truck and ultra light truck
*	3672	K4029	2012-12	Dimensions of tyres for truck and bus
*	3673	K4030	1991-05	Dimensions of Tires for Industrial Vehicles and Off Road Service
	3674	K4031	withdrawn	Tires for Industrial Mobiles (→CNS 3 6 7 3)
*	3675	K4032	1991-05	Dimensions of Tires for Agricultural Machines and Implements
	3706	K4033	withdrawn	Tires of cross-country pattern and mud & snow pattern (replaced by CNS 1431)
*	4628	K4034	withdrawn	Rubber vulcanization accelerator MBT (2-mercapto-benzothiazole)
	4629	K4035	withdrawn	Rubber vulcanization accelerator MBTS (benzothiazyl disulfide or dibenzothiazyl disulfide)
	4630	K4036	withdrawn	Rubber vulcanization accelerator DPG (1, 3-diphenyl guanidine)
	4631	K4037	withdrawn	Rubber vulcanization accelerator ZnMDC (zinc dimethyl dithiocarbamate)



CNS no.	Category no.	Date of		Title
		Current edition		
4632	K4038	withdrawn		Rubber vulcanization accelerator TMTD (tetramethyl thiuram disulfide)
4633	K4039	withdrawn		Rubber vulcanization accelerator ZnPDC (zinc ethyl-phenyl dithiocarbamate)
4634	K4040	withdrawn		Rubber vulcanization accelerator NaBDC (sodium di-n-butyl dithiocarbamate solution)
4635	K4041	withdrawn		Rubber vulcanization accelerator TMTM (tetramethyl thiuram monosulfide)
4636	K4042	withdrawn		Rubber vulcanization accelerator DOTG (di-o-tolyl guandine)
4861	K4043	withdrawn		Rubber antioxidant DNPD (N, N'-di-β-naphthyl-p-phenylenedi amine)
* 4878	K4044	1996-10		Dimensions of Solid Tires for Industrial Vehicles
* 4879	K4045	2017-06		Pneumatic tyres for motorcycles
* 4880	K4046	1989-10		Tires for Agricultural Implements and Machineries
* 4881	K4047	1993-07		Tires for Industrial Vehicles and Off the Road Service
* 4959	K4048	2017-06		Retreaded pneumatic tyres for commercial vehicles and their trailers
5005	K4049	withdrawn		Rubber vulcanization accelerator CBS (N-cyclo hexyl-2-benzothiazyl sulfenamide)
5216	K4050	2006-12		Inner tubes for motorcycle tyres
* 5217	K4051	2013-09		Compounded rubber for tire retread and repair
5340	K4052	withdrawn		Guide to storage for vulcanized rubber(replaced by CNS 15675)
* 5820	K4053	1980-07		Silica Powder (White Carbon) (for Rubber Use)
* 6491	K4054	2013-09		Rubber hoses for agricultural spraying
6921	K4055	2009-08		Rubber handlebar grip for bicycle
* 6922	K4056	1981-01		Rubber valve tubing
6923	K4057	withdrawn		Solid tire for child's vehicles
* 6924	K4058	1981-01		Solid tire to insert bicycles rim
6925	K4059	withdrawn		Pedal rubber for bicycle(replaced by CNS 366 series)
6926	K4060	withdrawn		Brake rubber for bicycle
6927	K4061	withdrawn		Rubber mudguard flapper for bicycle(replaced by CNS 366 series)
9003	K4062	withdrawn		Calcium carbonate for rubber
9005	K4063	withdrawn		Magnesium oxide for rubber
* 9011	K4064	2014-04		Rubber hose for oil discharge
* 9012	K4065	2014-04		Rubber hose and hose assemblies for on-shore oil suction and discharge
* 9013	K4066	2015-08		Rubber hoses and hose assemblies-wire or textile-reinforced single-pressure types for hydraulic applications
* 9014	K4067	withdrawn		Hydraulic high pressure rubber hose (class B)
9617	K4068	withdrawn		Brewing hoses
9618	K4069	withdrawn		Diving hoses
* 9619	K4070	1982-11		Chemical Resistant Hoses
9620	K4071	2017-01		Rubber hoses for gas
9621	K4072	2023-02		Rubber hoses for liquefied petroleum gases (LPGs) – Automobile, general equipment and home application
9621-2	K4072-2	withdrawn		Rubber hoses for liquefied petroleum gases (LPGs) – Part 2 : Bulk transfer applications (replaced by CNS 15995)
9621-3	K4072-3	2012-05		Rubber hoses for liquefied petroleum gases (LPGs) – Part 3: Dispensing hoses and hose assemblies
* 9890	K4073	1983-01		Latex foam rubber for cushion
* 9892	K4074	2014-09		Rubber materials for vibration isolators
* 10015	K4075	2012-10		Glossary of terms relating to dynamic properties of vulcanized rubber
10023	K4076	2002-08		Ply construction conveyor belts
* 10025	K4077	1983-02		Rubber belts for portable conveyors
* 10026	K4078	2021-12		Flame resistant conveyors belys – Classification and test method
10724	K4079	withdrawn		Dimensions of tires for bicycles
10774	K4080	2010-05		Rubber goods for water works
* 11733	K4081	2012-10		Rubber threads
* 11879	K4082	withdrawn		Rubber antioxidant TMDQ (Poly-2,2,4-trimethyl-1,2-dihydroquinoline)
* 11881	K4083	withdrawn		Rubber antioxidant IPPD (N-isopropyl-N'-phenyl-p-phenylenediamine)

## Chemical Industry

	CNS no.	Category no.	Date of	
			Current edition	Title
*	12843	K4084	1991-03	Chlorosulfonated polyethylene rubber supported geomembrane for landfill
	13422	K4085	2009-07	Steel cord conveyor belts
	13728	K4086	2012-10	Rubber vocabulary
	13814	K4087	2016-06	Wire reinforced rubber hoses and hose assemblies for fuel gas
	13815	K4088	2021-12	Rubber hoses and hose assemblies – Textile-reinforced hydraulic types for oil-based or water-based fluids
	14582	K4089	2001-08	Glassfiber reinforced plastic gravity-flow pipe for sewer use
	15281-1	K4090-1	2009-08	Industrial tyres and rims - Rubber solid tyres for pneumatic tyre rims - Part 1: Designation, dimensions and marking
	15281-2	K4090-2	2009-08	Industrial tyres and rims - Rubber solid tyres for pneumatic tyre rims - Part 2: Load ratings
	15282	K4091	2009-08	Industrial tyres and rims - Cylindrical and conical base rubber solid tyres - Designation, dimensions and marking
	15283-1	K4092-1	2009-08	Industrial tyres and rims – Part 1: Pneumatic tyres on 5° tapered or flat base rims – Designation, dimensions and marking
	15283-2	K4092-2	2009-08	Industrial tyres and rims - Part 2: Pneumatic tyres on 5° tapered or flat base rims - Load ratings
	15283-3	K4092-3	2009-08	Industrial tyres and rims - Part 3: Rims
	15284	K4093	2009-08	Rims for truck and bus
	15675	K4094	2013-09	Rubber products - Guideline for storage
	15724	K4095	2014-04	Raw rubber - Guide on storage
	15770	K4096	2014-10	Pneumatic tyres terms and definitions
	15828	K4097	2015-08	Belt drives - Narrow V-belts - Sections 9N/J, 15N/J and 25N/J (lengths in the effective system)
	15995	K4098	2017-09	Rubber hoses and hose assemblies for liquefied petroleum gas (LPG) in the liquid or gaseous phase and natural gas up to 25 bar (2.5 MPa)
	29802	K4099	2021-12	All-terrain tyres and rims
<b>Oils</b>				
*	11	K5001	withdrawn	Tung oil
*	77	K5002	withdrawn	Refined fusel oil
	81	K5003	withdrawn	White wax
*	92	K5004	withdrawn	Raw linseed oil(for paint)
	116	K5005	withdrawn	Glycerine, for Industrial Use (→CNS 5 8 3 4)
	118	K5006	withdrawn	Castor oil for industrial use
	192	K5007	withdrawn	Soya bean oil for industrial use
	207	K5008	withdrawn	Citronella oil
	261	K5009	2016-08	Motor vehicle brake fluid
	296	K5010	withdrawn	Liver Oil, Raw (for Export)
	378	K5011	withdrawn	Stoddard solvent (→CNS 14797)
	764	K5012	withdrawn	Wood preservatives (Creosote) (→CNS 1 4 4 9 5)
*	768	K5013	1979-11	Boiled linseed oil
	1000	K5014	withdrawn	Peppermint oil
	1093	K5015	withdrawn	Dementholished peppermint oil
	1304	K5016	2018-08	Emulsified bitumen
	1331	K5017	withdrawn	Light Diesel Oil for Diesel Engines (→CNS 1 4 7 1)
	1377	K5018	withdrawn	Spindle Oil (→CNS 2 9 7 6)
*	1378	K5019	withdrawn	Hemp twisting oil
	1398	K5020	withdrawn	Summer oil
	1399	K5021	withdrawn	Shoe polish paste
*	1469	K5022	withdrawn	Gasoline for automobile
*	1470	K5023	2016-06	Kerosene
	1471	K5024	2021-08	Automotive diesel fuel
	1471-1	K5024-1	2018-01	Diesel fuel oils
*	1472	K5025	2020-02	Fuel oils
	2078	K5026	withdrawn	Artificial rose oil
	2194	K5027	withdrawn	Vaseline for industrial use

CNS no.	Category no.	Date of		Title
		Current edition		
2240	K5028	withdrawn		Coconut oil for industrial use
2259	K5029	2017-06		Aviation gasolines
2260	K5030	2017-01		Asphalt for use in pavement construction—penetration-graded specification
2261	K5031	withdrawn		Petroleum Solvent for DDT (→CNS 1 3 4 2 4)
2262	K5032	withdrawn		Cleaning naphtha (→CNS 1 4 6 9 0)
2264	K5033	withdrawn		Light naphtha (→CNS 1 4 6 9 0)
*	2265	K5034	withdrawn	Petroleum solvent for creosote blending
	2266	K5035	withdrawn	Paraffin wax (→CNS 10103、10104)
	2324	K5036	withdrawn	Pitch (for technical use)
	2325	K5037	withdrawn	Coal tar
	2405	K5038	2008-09	Oil of camphor white
	2530	K5039	withdrawn	Chlorinated paraffin
	2558	K5040	2018-08	Aviation turbine fuels
	2590	K5041	withdrawn	Lubricating grease for journal
	2682	K5042	2008-09	Oil of Ho leaf
	2683	K5043	2008-09	Oil of Chinese sassafras
	2969	K5044	withdrawn	Motor oil (SE/CD grade)
	2970	K5045	withdrawn	Motor oil (SF/CD grade)
	2971	K5046	withdrawn	Motor oil (S - 3 grade)
	2972	K5047	withdrawn	Turbine oil
*	2973	K5048	withdrawn	Hydraulic fluid
*	2974	K5049	withdrawn	Compressor oil
*	2975	K5050	2019-09	Refrigerating machine oils
	2976	K5051	2019-09	Bearing oils
*	2977	K5052	withdrawn	Automotive multi-purpose gear oil
*	2978	K5053	withdrawn	Gear oil (ordinary use)
*	2979	K5054	withdrawn	Cylinder oil
	2980	K5055	withdrawn	Machine Oil (Class A)
*	2981	K5056	2019-09	Machine oils
*	2982	K5057	withdrawn	Steel cable oil
	3023	K5058	2008-09	Oil of camphor
	3025	K5059	2008-09	Oil of Ho
	3698	K5060	withdrawn	Water soluble cutting fluid
*	3919	K5061	withdrawn	Paraffin oil for rubber use
*	4128	K5062	withdrawn	Coal-tar for blending with creosote
*	4129	K5063	withdrawn	Petroleum oil for blending with creosote
	4389	K5064	withdrawn	Waterproofing wax for packaging
	5834	K5065	withdrawn	High-gravity glycerin
*	5847	K5066	withdrawn	Vaseline (Amber)
	6346	K5067	2008-09	Oil of Brazilian sassafras
*	6347	K5068	2012-09	Crude or rectified oils of Eucalyptus globulus (Eucalyptus globulus Labill.)
	6348	K5069	2010-09	Oil of lemon [Citrus limon (L.) Burm. f.], obtained by expression
*	6349	K5070	2011-10	Oil of peppermint (Mentha × piperita L.)
*	6350	K5071	2011-09	Oil of rosemary (Rosmarinus officinalis L.)
*	6351	K5072	withdrawn	Oil of Spearmint
	6351-1	K5072-1	2011-12	Oil of spearmint — Part 1: Native type (Mentha spicata L.)
	6351-2	K5072-2	2011-12	Oil of spearmint — Part 2: Chinese type (80 % and 60 %) (Mentha viridis L. var. crispa Benth.) , redistilled oil
	6351-3	K5072-3	2011-12	Oil of spearmint — Part 3: Indian type (Mentha spicata L.) , redistilled oil
	6351-4	K5072-4	2011-12	Oil of spearmint — Part 4: Scotch variety (Mentha × gracilis Sole)
*	6352	K5073	2010-11	Oil of pimento berry
*	6353	K5074	2012-09	Oil of bay [Pimenta racemosa (Mill.) J.W. Moore]
*	6354	K5075	2010-11	Oil of grapefruit (Citrus × paradisi Macfad.) , obtained by expression
	6355	K5076	withdrawn	Oil of sandalwood (Eucrya spicata), Australia
*	6356	K5077	2011-09	Oil of petitgrain, Paraguayan type (Citrus aurantium L. ssp.

## Chemical Industry

		Date of		
CNS no.	Category no.	Current edition	Title	
*	6449	K5078	2012-09	aurantium, syn. <i>Citrus aurantium</i> L. ssp. <i>amara</i> var. <i>pumilia</i> ) Oil of eucalyptus Australian type, containing a volume fraction of 80 % to 85 % of 1,8-cineole
	6450	K5079	2010-09	Oil of sweet orange [ <i>Citrus sinensis</i> (L.) Osbeck], obtained by mechanical treatment
	6451	K5080	2012-08	Oil of clove leaves [ <i>Syzygium aromaticum</i> (L.) Merr. et Perry, syn. <i>Eugenia caryophyllus</i> (Sprengel) Bullock et S. Harrison]
	6452	K5081	2012-08	Oil of clove buds [ <i>Syzygium aromaticum</i> (L.) Merr. et Perry, syn. <i>Eugenia caryophyllus</i> (Sprengel) Bullock et S. Harrison]
	6453	K5082	2012-08	Oil of clove stems [ <i>Syzygium aromaticum</i> (L.) Merr. et Perry, syn. <i>Eugenia caryophyllus</i> (Sprengel) Bullock et S. Harrison]
	6454	K5083	2012-08	Oil of nutmeg, Indonesian type ( <i>Myristica fragrans</i> Houtt.)
	6455	K5084	2012-08	Oil of cassia, Chinese type ( <i>Cinnamomum aromaticum</i> Nees, syn. <i>Cinnamomum cassia</i> Nees ex Blume)
	6456	K5085	2020-03	Oil of lemongrass( <i>Cymbopogon citratus</i> )
	6457	K5086	2011-08	Oil of aniseed ( <i>Pimpinella anisum</i> L.)
	6458	K5087	2011-08	Oil of lavender ( <i>Lavandula angustifolia</i> Mill.)
	6459	K5088	2010-09	Oil of neroli ( <i>Citrus aurantium</i> L. ssp. <i>aurantium</i> , syn. <i>Citrus aurantium</i> L. ssp. <i>amara</i> var. <i>pumilia</i> )
	6460	K5089	2010-11	Oil of lime distilled, Mexican type [ <i>Citrus aurantifolia</i> (Christm.) Swingle]
	6461	K5090	2011-09	Oil of cananga [ <i>Cananga odorata</i> (Lam.) Hook. f. et Thomson, forma <i>macrophylla</i> ]
	6462	K5091	2011-10	Oil of cinnamom leaf, Sri Lanka type ( <i>Cinnamomum zeylanicum</i> Blume)
	6463	K5092	2010-11	Oil of sage, Spanish ( <i>Salvia lavandulifolia</i> Vahl)
	6464	K5093	2011-09	Oil of parsley fruits ( <i>Petroselinum sativum</i> Hoffm.)
	6465	K5094	2010-06	Oil of mandarin, Italian type ( <i>Citrus reticulata</i> Blanco)
	6466	K5095	2020-03	Oil of cubeb( <i>Piper cubeba</i> )
	6467	K5096	2011-10	Oil of rosewood , Brazilian type [ <i>Aniba rosaeodora</i> Ducke or <i>Aniba parviflora</i> (Meisn.) Mez.]
	6468	K5097	2010-06	Oil of lime (cold pressed), Mexican type [ <i>Citrus aurantifolia</i> (Christm.) Swingle], obtained by mechanical means
	6469	K5098	2011-10	Oil of citronella , Java type
	7410	K5099	withdrawn	Crude perilla oil
	7411	K5100	withdrawn	Crude linseed oil
	7412	K5101	withdrawn	Crude tung oil (Crude aleurites seed oil)
	7413	K5102	withdrawn	Crude hempseed oil
	7414	K5103	withdrawn	Crude safflowerseed oil
	7415	K5104	withdrawn	Crude niger seed oil
	7416	K5105	withdrawn	Crude corn oil
	7417	K5106	withdrawn	Crude cottonseed oil
	7418	K5107	withdrawn	Crude rapeseed oil
	7419	K5108	withdrawn	Crude rice bran oil
	7420	K5109	withdrawn	Crude kapok oil
	7421	K5110	withdrawn	Crude Peanut Oil (→CNS 193)
	7422	K5111	withdrawn	Crude castor oil
	7423	K5112	withdrawn	Crude teaseed oil
*	7424	K5113	withdrawn	Crude palm oil
	7425	K5114	withdrawn	Crude palm kernel oil
	7426	K5115	withdrawn	Crude coconut oil
	7917	K5116	withdrawn	Crude soybean oil
	7918	K5117	withdrawn	Crude sunflowerseed oil
	8130	K5118	2012-08	Oil of coriander fruits ( <i>Coriandrum sativum</i> L.)
	8131	K5119	2010-06	Oil of bergamot [ <i>Citrus aurantium</i> L. subsp. <i>bergamia</i> (Wight et Arnott) Engler], Italian type
	8132	K5120	withdrawn	Oil of lemongrass ( <i>Cymbopogon flexuosus</i> )
	8133	K5121	2011-03	Oil of citronella, Sri Lanka type [ <i>Cymbopogon nardus</i> (L.) W. Watson var. <i>lenabatu</i> Stapf.]

CNS no.	Category no.	Date of		Title
		Current edition		
8134	K5122	2011-03		Oil of amyris ( <i>Amyris balsamifera</i> L.)
8135	K5123	withdrawn		Oil of pennyroyal
8528	K5124	withdrawn		Perilla oil for industrial use
8529	K5125	withdrawn		Linseed oil for industrial use
8530	K5126	withdrawn		Hemp seed oil for industrial use
8531	K5127	withdrawn		Non-break safflower seed oil for industrial use
9303	K5128	withdrawn		Degummed soybean oil for industrial use
10269	K5129	withdrawn		Polyurethane leather (→CNS 1 4 8 4 6)
10445	K5130	withdrawn		Finger print removing rust preventive oil(replaced by CNS 10446)
10446	K5131	2016-11		Rust preventive oils
10447	K5132	withdrawn		Solvent diluted rust preventive oil(replaced by CNS 10446)
10448	K5133	withdrawn		Petrolatum for rust prevention
10449	K5134	withdrawn		Mist type rust preventive oil(replaced by CNS 10446)
10720	K5135	withdrawn		Motor oil (SE/CC grade)
10721	K5136	withdrawn		Motor oil (SF/CC grade)
10722	K5137	withdrawn		Industrial gear oil
10723	K5138	2017-07		Guide for characterizing hydrocarbon lubricant base oils
12180	K5139	withdrawn		Oils for test of porosity for brake linings and pads of automobiles
*	12614	K5140	2020-09	Unleaded gasoline for automobile
	12951	K5141	2016-10	Liquefied petroleum gases (LPG)
	13379	K5142	2004-06	Petroleum ether
	13380	K5143	2005-03	Hexanes
	13424	K5144	withdrawn	Multi-purpose mineral spirit (→CNS 1 4 6 9 0)
	13425	K5145	withdrawn	Rubber solvent (→CNS 1 4 6 9 0)
	13426	K5146	withdrawn	Varnish and paint naphtha (→CNS 1 4 6 9 1)
	13427	K5147	withdrawn	Varnish and paint naphtha-100 (→CNS 1 4 6 9 1)
	13428	K5148	withdrawn	Varnish and paint naphtha-150 (→CNS 1 4 6 9 1)
	13954	K5149	2019-09	Liquid paraffin
	14184	K5150	2020-02	Modified asphalt cement for use in pavement construction
	14690	K5151	2002-10	Aliphatic solvents
	14691	K5152	2002-10	Aromatic solvents
	14797	K5153	2004-01	Mineral spirits (Petroleum spirits, hydrocarbon dry cleaning solvent, stoddard solvent)
	14915	K5154	2005-03	Industrial heptanes
*	15072	K5155	2011-03	Biodiesel – Fatty acid methyl esters (FAME)
	15073	K5156	2017-01	Asphalt for use in pavement construction - Viscosity-graded specification
*	15109	K5157	2007-06	Denatured fuel ethanol for blending with gasolines for use as automotive spark-ignition engine fuel
	15259	K5158	2009-05	Oil of lavender abrial ( <i>Lavandula angustifolia</i> Miller × <i>Lavandula latifolia</i> Medikus), French type
	15260	K5159	2009-05	Oil of sandalwood ( <i>Santalum album</i> L.)
	15261	K5160	2009-05	Oil of <i>Mentha arvensis</i> , partially dementholized ( <i>Mentha arvensis</i> L. var. <i>piperascens</i> Malinv. and var. <i>glabrata</i> Holmes)
	15271	K5161	2009-07	Oil of eucalyptus <i>citriodora</i> Hook.
	15272	K5162	2009-07	Oil of ylang-ylang [ <i>Cananga odorata</i> (Lamark) J.D.Hooker and Thomson ]
	15273	K5163	2009-07	Oil of spike lavender [ <i>Lavandula latifolia</i> (L.f.) Medikus ], Spanish type
	15278	K5164	2009-10	Oil of lemongrass [ <i>Cymbopogon flexuosus</i> (Nees ex Steudel) J.F. Watson]
	15279	K5165	2009-10	Oil of Spanish wild marjoram ( <i>Thymus mastichina</i> L.)
	15300	K5166	2010-02	Oil of <i>Melaleuca</i> , terpinen-4-ol type (Tea tree oil)
	15376	K5167	2016-10	Automotive fuels – Liquefied petroleum gas (LPG)
	15435	K5168	2011-03	Oil of rose ( <i>Rosa</i> × <i>damascena</i> Miller)
	15571	K5169	2012-09	Oil of Dalmatian sage ( <i>Salvia officinalis</i> L.)
	15572	K5170	2012-09	Oil of cedarwood, Virginian ( <i>Juniperus virginiana</i> L.)
	15573	K5171	2012-09	Oil of geranium ( <i>Pelargonium</i> X ssp.)

## Chemical Industry

CNS no.	Category no.	Date of		Title
		Current edition		
15574	K5172	2012-09		Oil of juniper berry ( <i>Juniperus communis</i> L.)
15575	K5173	2012-09		Oil of palmarosa [ <i>Cymbopogon martinii</i> (Roxburgh) W. Watson var. <i>motia</i> ]
15576	K5174	2012-09		Oil of hyssop ( <i>Hyssopus officinalis</i> L. ssp. <i>officinalis</i> )
15577	K5175	2012-09		Oil of cedarwood, Chinese type ( <i>Cupressus funebris</i> Endlicher)
15578	K5176	2012-09		Oil of star anise, Chinese type ( <i>Illicium verum</i> Hook.f.)
15671	K5177	2013-09		Oil of vetiver [ <i>Vetiveria zizanioides</i> (L.) Nash]
15672	K5178	2013-09		Oil of cardamom [ <i>Elettaria cardamomum</i> (L.) Maton]
15673	K5179	2013-09		Oil of cedarwood, Texas ( <i>Juniperus mexicana</i> Schiede)
15674	K5180	2013-09		Oil of thyme containing thymol, Spanish type [ <i>Thymus zygis</i> (Loefl.) L.]
15715	K5181	2014-02		Oil of basil, methyl chavicol type ( <i>Ocimum basilicum</i> L.)
15716	K5182	2014-02		Oil of turpentine, Iberian type ( <i>Pinus pinaster</i> Sol.)
15717	K5183	2014-02		Oil of patchouli [ <i>Pogostemon cablin</i> (Blanco) Benth.]
15796	K5184	2015-03		Essential oil of rose, Chinese Kushui type ( <i>Rosa sertata</i> × <i>Rosa rugosa</i> )
15797	K5185	2015-03		Oil of wintergreen, China [ <i>Gaultheria yunnanensis</i> (Franch.) Rehd], redistilled
15798	K5186	2015-03		Oil of gum turpentine, Chinese (mainly from <i>Pinus massoniana</i> Lamb.)
15799	K5187	2015-03		Oil of magnolia flower, China type ( <i>Michelia x alba</i> DC)
15800	K5188	2015-03		Oil of mandarin petitgrain ( <i>Citrus reticulata</i> Blanco)
15841	K5189	2015-10		Oil of lime expressed, Persian type ( <i>Citrus latifolia</i> Tanaka)
15842	K5190	2015-10		Oil of Australian sandalwood [ <i>Santalum spicatum</i> (R.Br.) A.DC.]
15843	K5191	2015-10		Oil of dwarf pine ( <i>Pinus mugo</i> Turra)
15844	K5192	2015-10		Oil of bitter orange ( <i>Citrus aurantium</i> L.)
15845	K5193	2015-10		Oil of lavandin Grosso ( <i>Lavandula angustifolia</i> Mill. × <i>Lavandula latifolia</i> Medik.), French type
15846	K5194	2015-10		Oil of bergamot petitgrain [ <i>Citrus bergamia</i> (Risso et Poit.)]
15847	K5195	2015-10		Oil of lemon petitgrain [ <i>Citrus limon</i> (L.) Burm. f.]
15866	K5196	2016-01		Oil of celery seed ( <i>Apium graveolens</i> L.)
15867	K5197	2016-01		Oil of Litsea cubeba ( <i>Litsea cubeba</i> Pers.)
15868	K5198	2016-01		Oil of blue chamomile ( <i>Chamomilla recutita</i> (L.) Rauschert syn. <i>Matricaria chamomilla</i> Auct.)
15869	K5199	2016-01		Oil of bitter fennel ( <i>Foeniculum vulgare</i> Mill. ssp. <i>vulgare</i> var. <i>vulgare</i> or <i>Foeniculum vulgare</i> Mill. ssp. <i>vulgare</i> var. <i>amara</i> )
15870	K5200	2016-01		Oil of elemi ( <i>Canarium luzonicum</i> Miq.)
15900	K5201	2016-06		Oil of roots of lovage ( <i>Levisticum officinale</i> Koch)
15901	K5202	2016-06		Oil of fir needle, Siberian ( <i>Abies sibirica</i> Ledeb.)
15902	K5203	2016-06		Oil of origanum, Spanish type [ <i>Coridothymus capitatus</i> (L.) Rchb.f.]
15903	K5204	2016-06		Oil of galbanum ( <i>Ferula galbaniflua</i> Boiss. et Buhse)
15904	K5205	2016-06		Essential oil of tarragon ( <i>Artemisia dracuncululus</i> L.)
15905	K5206	2016-06		Oil of cumin seed ( <i>Cuminum cyminum</i> L.)
15906	K5207	2016-06		Oil of bitter orange petitgrain, cultivated ( <i>Citrus aurantium</i> L.)
15907	K5208	2016-06		Oil of black pepper ( <i>Piper nigrum</i> L.)
15908	K5209	2016-06		Oil of pimento leaf [ <i>Pimenta dioica</i> (Linnaeus) Merrill]

## Testing and Inspection

*	12	K6001	withdrawn	Method of test for tung oil
	41	K6002	withdrawn	Method of test for lubricants (→CNS 3384)
	46	K6003	withdrawn	Method of test for gasoline (→CNS 12013)
	58	K6004	withdrawn	Method of analysis for asbestos
	59	K6005	withdrawn	Method of Analysis for Limestone (→CNS 11393)
	60	K6006	withdrawn	Method of analysis for graphite
*	78	K6007	withdrawn	Method of test for refined fusel oil
*	93	K6008	withdrawn	Method of test for raw linseed oil
	115	K6009		Method of test for alcohol
*	117	K6010	withdrawn	Method of test for glycerines for industrial use
*	119	K6011	withdrawn	Method of test for castor oil (For industrial use)
*	187	K6012	withdrawn	Method of test for calcium carbide

CNS no.	Category no.	Date of		Title
		Current edition		
188	K6013	withdrawn		Method of analysis for calcium cyanamide
189	K6014	withdrawn		Method of analysis for fluorite
190	K6015	withdrawn		Method of analysis for calcium hyperphosphate
191	K6016	withdrawn		Method of Analysis for Ferrosilicon (→CNS 2 1 4 9)
279	K6017	withdrawn		Method of Chemical Test for Boiler Water (→CNS 1 3 4 3 7)
280	K6018	withdrawn		Method of test for ammonia solution
281	K6019	withdrawn		Method of chemical test for lime water
282	K6020	withdrawn		Method of chemical test for sulfates
283	K6021	2001-12		Methods of sampling and chemical analysis of common salt
285	K6022	withdrawn		Method of chemical test for sodium nitrate
286	K6023	withdrawn		Method of Chemical Test for Limestone (replaced by CNS 11393)
287	K6024	1994-03		Method of test for chemical analysis of limes
288	K6025	withdrawn		Method of chemical test for bauxite
290	K6026	withdrawn		Method of Chemical Test for Commercial Sulfur
291	K6027	withdrawn		Method of Chemical Test for Gas-Sulfur
295	K6028	1974-10		Methods of chemical test for braze
626	K6029	withdrawn		Method of test for ready mixed paint (Synthetic resin type)
627	K6030	withdrawn		Method of test for enamel
*	628	K6031	withdrawn	Method of test for lacquer enamel
*	629	K6032	withdrawn	Method of test for oleoresinous deck paint
	630	K6033	withdrawn	Method of Test for Sulfuric Acid (for Chemical Use) (→CNS 9 9 7)
	631	K6034	withdrawn	Method of test for nitric acid of industrial use
	632	K6035	withdrawn	Methods of test for paraffin-wax
	635	K6036	withdrawn	Method of test for DDT of industrial grade and its products
	698	K6037	1965-08	Method of test for activated carbon (power, for industrial use)
	725	K6038	withdrawn	Method of test bleaching powder (→CNS 3 7 7)
	726	K6039	withdrawn	Method of test for sodium hydroxide (for industrial use)
	727	K6040	withdrawn	Testing Standard for Physical Properties of Rubber Hoses (General) (→CNS 6 8 3 4)
	728	K6041	withdrawn	Testing Standard for Shapes and Sizes of Rubber Hoses (→CNS 6 8 3 4)
	729	K6042	withdrawn	Testing Standard for Compressive Strength of Rubber Hoses (→CNS 6 8 3 4)
	730	K6043	withdrawn	Testing Standard for Adhesion of Rubber Hoses (→CNS 6 8 3 4)
	731	K6044	withdrawn	Testing Standard for Tensile Strength of Rubber Hoses (→CNS 6 8 3 4)
	732	K6045	withdrawn	Testing Standard for Accelerated Aging of Rubber Hoses (→CNS 6 8 3 4)
	733	K6046	withdrawn	Testing Standard for Steam Resistance of Rubber Hoses (→CNS 6 8 3 4)
*	734	K6047	2014-09	Rubber, vulcanized or thermoplastic - Determination of abrasion resistance using a rotating cylindrical drum device
	735	K6048	withdrawn	Method of Test for Haroness of Rubber (→CNS 6 8 3 4)
*	737	K6049	1993-07	Method of Test for Rubber Pneumatic Tires for Bicycles
	739	K6050	1993-07	Method of Test for Rubber Inner Tubes for Bicycles
*	744	K6051	1979-10	Testing Standard for Rubber Rollers of Rice
	746	K6052	withdrawn	Method of test for V-belts for power transmission
	748	K6053	withdrawn	Method of test for flat rubber belts
	767	K6054	withdrawn	Method of test for zinc oxide ( Pigment)
*	769	K6055	1975-02	Method of test for boiled linseed oil
*	771	K6056	withdrawn	Method of test for baking varnish
*	773	K6057	1970-01	Method of Test for Clear Varnish for Baking Varnish
	775	K6058	withdrawn	Method of test for red-lead primer
	782	K6059	withdrawn	Method of test for sodium sulfide (for industrial use)
	783	K6060	withdrawn	Method of test for sodium carbonate (Soda ash) for industrial use
	783-1	K6060-1	2011-12	Sodium carbonate for industrial use - Part 1 : Determination of bulk

## Chemical Industry

		Date of		
CNS no.	Category no.	Current edition	Title	
				density
783-2	K6060-2	2011-12		Sodium carbonate for industrial use - Part 2 : Determination of loss of mass and of non-volatile matter at 250 °C
783-3-1	K6060-3-1	2011-12		Sodium carbonate for industrial use - Part 3-1 : Determination of total soluble alkalinity - Titrimetric method
783-3-2	K6060-3-2	2011-12		Sodium carbonate for industrial use - Part 3-2 : Determination of total soluble alkalinity - Potentiometric method
783-4	K6060-4	2011-12		Sodium carbonate for industrial use - Part 4 : Determination of sodium chloride content - Modified Volhard method, Potentiometric method
783-5	K6060-5	2011-12		Sodium carbonate for industrial use – Part 5: Determination of iron content – 1,10-Phenanthroline molecular absorption spectrometry, Atomic absorption spectrometry, and inductively coupled plasma
783-6	K6060-6	2011-12		Sodium carbonate for industrial use - Part 6 : Determination of matter insoluble in water at 50°C
	815	K6061	withdrawn	Method of test for potassium chlorate
	816	K6062	withdrawn	Method of test for soybean oil
*	817	K6063	withdrawn	Method of test for citronella oil
*	818	K6064	withdrawn	Method of test for natural camphor
	886	K6065	withdrawn	Method of test for lacquer thinner(replaced by CNS 554)
	909	K6066	withdrawn	Method of sampling for creosote oil
	910	K6067	withdrawn	Method of test for specific gravity of creosote oil
	911	K6068	withdrawn	Method of test for moisture of creosote oil
	912	K6069	withdrawn	Method of test for viscosity of creosote oil
	913	K6070	withdrawn	Method of test for fractional distillation of creosote oil
	914	K6071	withdrawn	Method of test for benzene insoluble substances of creosote oil
	915	K6072	withdrawn	Method of test for carbon residue of creosote oil
	916	K6073	withdrawn	Method of test for crystallization of creosote oil
	917	K6074	withdrawn	Method of test for acidity of creosote oil
*	919	K6075	1974-05	Method of test for ammonium sulfate
	920	K6076	withdrawn	Method of test for calcium chloride
*	921	K6077	withdrawn	Method of test for rotenone
	960	K6078	withdrawn	Method of test for BHC of industrial grade and fine grade
	963	K6079	withdrawn	Method of test for anhydrous ammonia
	997	K6080	1985-02	Methods of test for sulfuric acid
*	998	K6081	withdrawn	Method of test for ammonium nitrate (for industrial use)
	1001	K6082	withdrawn	Method of test for menthol
	1002	K6083	withdrawn	Method of test for hydrochloric acid (for industrial use)
	1002-1-1	K6083-1-1	2011-05	Hydrochloric acid for industrial use – Part 1-1: Determination of total acidity – Titrimetric method
	1002-1-2	K6083-1-2	2011-05	Hydrochloric acid for industrial use – Part 1-2: Determination of total acidity – Potentiometric method
	1002-2	K6083-2	2011-05	Hydrochloric acid for industrial use – Part 2 : Evaluation of hydrochloric acid concentration by measurement of density
	1002-3	K6083-3	2011-05	Hydrochloric acid for industrial use – Part 3 : Determination of iron content
	1002-4	K6083-4	2011-05	Hydrochloric acid for industrial use – Part 4 : Determination of ignition residue (sulfated ash) method
	1002-5	K6083-5	2011-05	Hydrochloric acid for industrial use - Part 5: Determination of sulfuric acid residue method
	1003	K6084	withdrawn	Method of test for magnesium chloride (for industrial use)
*	1004	K6085	withdrawn	Methods of test for sodium sulfate of industrial grade
	1006	K6086	1965-08	Method of test for liquid oxygen
	1033	K6087	withdrawn	Method of Test for Calcium Ammonium Nitrate
	1035	K6088	withdrawn	Method of Test Chemically Pure Hydrochloric Acid (→CNS 1 0 0 2)
	1037	K6089	withdrawn	Method of test for pentachlorophenol of industrial grade
	1038	K6090	withdrawn	Method of test for lead carbonate for paint
	1039	K6091	withdrawn	Method of test for lead sulfate for paint



		Date of		
CNS no.	Category no.	Current edition	Title	
	1040	K6092	withdrawn	Method of test for lithophone for lacquer paint
*	1041	K6093	withdrawn	Method of test for titanium dioxide (Pigment)
*	1043	K6094	withdrawn	Method of test for red lead(Pigment)
	1045	K6095	withdrawn	Method of test for yellow-lead paint powder
	1059	K6096	1975-01	Methods of test for liquid chlorine
	1062	K6097	withdrawn	Methods of test for basic magnesium carbonate
	1064	K6098	withdrawn	Method of test for calcined magnesium oxide (for industrial use)
	1068	K6099	1959-09	Method of test for cork sheet for gasket
	1088	K6100	1989-11	Method of Test for Vinyl Chloride Resin Compound (for Electrical Wires and Cables)
	1089	K6101	1989-11	Method of Test for Polyvinyl Chloride
*	1094	K6102	withdrawn	Method of test for crude and de-mentholished peppermint oil
*	1113	K6103	withdrawn	Method of test for low temperature baking enamel
	1154	K6104	withdrawn	Method of test for tires for carts
	1156	K6105	withdrawn	Method of test for tubes for carts
	1158	K6106	withdrawn	Method of test for alkyd enamel(replaced by CNS 1157)
	1216	K6107	withdrawn	Method of test for sodium bicarbonate of industrial grade
	1217	K6108	2012-10	Method of practice for manual sampling of petroleum and petroleum products
	1218	K6109	2017-09	Method of test for distillation of petroleum products and liquid fuels at atmospheric pressure
	1219	K6110	2016-03	Corrosiveness to copper from petroleum products by copper strip test
	1220	K6111	2001-12	Method of test for saybolt color of petroleum products (Saybolt chromometer method)
	1221	K6112	withdrawn	Method of Test for Api Gravity of Crude Petroleum and Liquid Petroleum Products (Hydrometer Method)
	1222	K6113	1997-05	Method of doctor test for petroleum and petroleum products
*	1223	K6114	withdrawn	Method of test for crude liver oil
*	1249	K6115	withdrawn	Method of test for oleoresinous primer
	1272	K6116	2010-09	Test for leather – Sampling location, sample preparation and conditioning
	1273	K6117	2016-10	Leather - Tests for colour fastness - Colour fastness to crocking
	1274	K6118	2010-09	Leather – Physical and mechanical tests – Determination of thickness
	1275	K6119	2012-10	Leather – Physical and mechanical tests – Determination of resistance to grain cracking and grain crack index
	1276	K6120	withdrawn	Method of test for leather (Creasing test)
	1277	K6121	withdrawn	Method of test for leather (Compression test)
	1278	K6122	2016-10	Leather - Physical and mechanical tests - Determination of tensile strength and percentage extension
	1279	K6123	2010-09	Leather – Physical and mechanical tests – Determination of tear load – single edge tear
	1280	K6124	2011-08	Leather – Physical and mechanical tests – Determination of shrinkage temperature up to 100°C
	1281	K6125	withdrawn	Method of test for elongation rate of leather
	1282	K6126	2010-09	Leather – Physical and mechanical tests – Determination of water resistance of flexible leather
	1283	K6127	2011-08	Leather – Chemical tests – Determination of matter soluble in dichloromethane and free fatty acid content
	1284	K6128	withdrawn	Method of test for hide substance of leather
	1285	K6129	2011-08	Leather – Chemical tests – Determination of water-soluble matter, water-soluble inorganic matter and water-soluble organic matter
	1286	K6130	withdrawn	Method of test for soluble Ash of leather
	1287	K6131	withdrawn	Method of test for leather (Combined tannin test)
	1288	K6132	withdrawn	Method of test for moisture of leather
	1289	K6133	withdrawn	Method of test for leather (Nitrogen content test)
	1290	K6134	withdrawn	Method of test for total Ash of leather
	1291	K6135	withdrawn	Method of test for chromium oxide content of leather

## Chemical Industry

		Date of		
CNS no.	Category no.	Current edition	Title	
	1292	K6136	withdrawn	Method of test tanning degree of leather
	1293	K6137	withdrawn	Method of test for leather (P-nitrophenol test)
	1294	K6138	2011-08	Leather – Chemical tests – Determination of pH
*	1297	K6139	1989-11	Method of Test for Flexible Polyvinyl Chloride Tube
	1299	K6140	withdrawn	Method of test for unplasticized polyvinyl chloride pipes (→CNS 1298)
	1301	K6141	withdrawn	Method of Test for Rigid Polyvinyl Chloride Pipes for Water Works (→CNS 2335)
	1303	K6142	withdrawn	Method of test for unplasticized polyvinyl chloride pipe for electric conduit use
	1334	K6143	withdrawn	Method of test for traffic paints (→CNS 1333)
	1341	K6144	1960-12	Method of test for glacial acetic acid (for industrial use)
	1343	K6145	1992-09	Method of test for sodium dithionite for industrial use
	1375	K6146	1969-06	Method of test for argon
	1376	K6147	withdrawn	Method of test for ho-oil
	1380	K6148	withdrawn	Method of test for silver nitrate of industrial grade
	1382	K6149	1974-10	Method of test for formaldehyde of industrial grade
	1384	K6150	withdrawn	Method of test for calcium carbonate of industrial use
	1386	K6151	withdrawn	Method of test for fatty acids
	1400	K6152	withdrawn	Method of test for shoe polish
	1415	K6153	1962-12	Method of test for normal hexane (for industrial use)
	1419	K6154	1984-09	Method of test for acetone
	1420	K6155	withdrawn	Method of test for butanol
*	1422	K6156	withdrawn	Method of test for sodium thiosulfate of industrial grade
*	1424	K6157	withdrawn	Method of test for anhydrous sodium sulfite of industrial grade
*	1426	K6158	1975-01	Methods of test for urea, technical grade
	1439	K6159	1973-11	Methods of test for yeast powders
*	1441	K6160	1962-04	Method of test for nonrigid polyvinyl chloride sheet and film
	2071	K6161	withdrawn	Method of test for emulsion paint
*	2073	K6162	1979-06	Method of test for aluminium sulfate (Industrial use)
*	2075	K6163	1992-01	Method of test for aluminium sulfate (for water works )
	2077	K6164	withdrawn	Methods of test for citric acid, technical grade
	2118	K6165	withdrawn	Method of Test for Concentrated Sulfuric Acid (for Industrial Use)
	2156	K6166	withdrawn	Method of test for sulfur black
	2158	K6167	1992-01	Method of test fo dissolved acetylene (for industrial use)
	2187	K6168	withdrawn	Method of test for vinyl acetate (for industrial use)
	2189	K6169	1965-09	Method of test for dextrine of industrial grade
	2191	K6170	withdrawn	Method of test for sodium dichromate
	2193	K6171	1963-07	Method of test for non-ferrous metal polish
	2195	K6172	withdrawn	Method of test for vaseline
	2197	K6173	withdrawn	Method of test for smoked rubber sheet
	2201	K6174	withdrawn	Methods of test for animal glue
	2203	K6175	1984-12	Method of test for zinc oxide
	2229	K6176	withdrawn	Method of test for methylacrylate sheet for general use(replaced by CNS 2228-1、CNS 2228-2 and CNS 2228-3)
*	2231	K6177	withdrawn	Method of test for reclaimed rubber
*	2233	K6178	1975-05	Method of Test for Urea Resin Adhesives
	2239	K6179	1989-06	Method of test for sodium silicate
*	2241	K6180	withdrawn	Methods of test for coconut oil, technical grade
	2269	K6181	withdrawn	Method of test for cellophane
	2331	K6182	withdrawn	Method of test for coloration of naphthalene by sulfuric acid
	2332	K6183	withdrawn	Method of test for freezing point of naphthalene
	2335	K6184	withdrawn	Method of test for unplasticized polyvinyl chloride pipes and fitting for water works
*	2358	K6185	1987-06	Method of test for nitrocellulose for industrial use
	2360	K6186	withdrawn	Method of test for sodium fluosilicate
	2365	K6187	withdrawn	Method of test for fluorescent paint
	2367	K6188	withdrawn	Testing method of zinc cyanide (technical grade)
	2369	K6189	withdrawn	Testing method of cadmium cyanide (technical grade)

CNS no.	Category no.	Date of		Title
		Current edition		
2371	K6190	withdrawn		Method of test for mercurous chloride of industrial grade
2373	K6191	withdrawn		Method of test for black printing ink (for marking)
2406	K6192	withdrawn		Method of test for white camphor oil
2408	K6193	1981-09		Method of test for potassium soap
2411	K6194	withdrawn		Method of test for acid resistant paint (replaced by CNS 2410)
*	2452	K6195	withdrawn	Method of test for red phosphorus of industrial grade
	2454	K6196	withdrawn	Method of test for stronium nitrate of industrial grade
	2457	K6197	withdrawn	Method of test for high density polyethylene pipes for water works ( → C N S 2 4 5 6 )
*	2459	K6198	withdrawn	Method of Test for High Density Polyethylene Pipes for Chemical Industrial and General Uses
	2478	K6199	withdrawn	Method of Test for Sodium Alkyl Aryl Sulfonate Synthetic Detergent
	2480	K6200	withdrawn	Method of test for chromium trioxide (technical grade)
	2482	K6201	withdrawn	Method of test for boric acid of industrial grade
*	2484	K6202	withdrawn	Method of test for p-toluene sulfonamide
	2485	K6203	withdrawn	Determination of softening point for asphalt (mercury method)
	2486	K6204	2022-08	Method of test for softening point of bitumen(ring-and-ball apparatus)
	2487	K6205	2022-08	Method of test for ash in coal tar and pitch
	2488	K6206	withdrawn	Determination of benzene-insoluble substance in asphalt and coal tar
	2489	K6207	withdrawn	Determination of fixed carbon in asphalt and coal tar
	2490	K6208	withdrawn	Determination of moisture contents in asphalt, coal tar and phenols
	2491	K6209	withdrawn	Determination of calorific value of asphalt
	2492	K6210	withdrawn	Determination of total sulfur in asphalt
	2493	K6211	withdrawn	Method for determination of specific gravity of coal tar
	2494	K6212	withdrawn	Method for determination of viscosity of coal tar
	2495	K6213	withdrawn	Method of fractional distillation test for coal tar
	2496	K6214	withdrawn	Method of fractional distillation test for crude methyl phenol, m-methyl phenol and coal tar (high boiling point)
	2497	K6215	withdrawn	Determination of freezing points of phenols from coal distillation
	2498	K6216	withdrawn	Method of test for neutral oil in phenols from coal distillation
	2499	K6217	withdrawn	Method for determination of specific gravity of phenols
	2500	K6218	withdrawn	Method of quantitative analysis of m-methyl phenol
	2501	K6219	withdrawn	Method of test for hydrogen sulfide in crude methyl phenol and m-methyl phenol
	2524	K6220	withdrawn	Method of test for potassium chromate (technical grade)
	2527	K6221	withdrawn	Method of test for hydrogen peroxide of industrial grade
	2531	K6222	withdrawn	Method of test for chlorinated paraffin
*	2534	K6223	1974-06	Method of Test for Natural Rubber Latex
*	2536	K6224	1992-06	Method of test for thermal insulation material made of polystyrene foam
	2551	K6225	withdrawn	Method of test for cupric cyanide of industrial grade
	2553	K6226	withdrawn	Method of test for detergent after metal pickling
	2555	K6227	withdrawn	Method of test for sodium phosphate of industrial grade
	2557	K6228	withdrawn	Method of test for amyl acetate of industrial grade
	2591	K6229	withdrawn	Method of test for lubricating grease for journal
	2592	K6230	withdrawn	Method of analysis for carbon dioxide, oxygen, carbon monoxide hydrogen and methane in gases
	2611	K6231	withdrawn	Method of test for mercurous nitrate of industrial grade
	2613	K6232	withdrawn	Method of Test for Dibutyl Phthalate
	2615	K6233	withdrawn	Method of test for coumarone indene resin
	2618	K6234	withdrawn	Method of test for solvent acetates of industrial use
*	2620	K6235	1972-06	Method of test for phosphoric acid (for industrial use)
	2622	K6236	withdrawn	Method of test for magnesium hydroxide (for industrial use)
	2624	K6237	1972-10	Method of test for aluminium hydroxide
	2632	K6238	withdrawn	Method of test for calorific value of coal gas
	2633	K6239	withdrawn	Method of test for hydrogen sulfide in coal gas
	2634	K6240	withdrawn	Method of test for ammonia in coal gas
	2635	K6241	withdrawn	Method of test for total sulfur in coal gas

## Chemical Industry

CNS no.	Category no.	Date of		Title
		Current edition		
2679	K6242	withdrawn		Method of test for sodium formaldehyde sulfoxylate
2681	K6243	1966-09		Method of test for compressed nitrogen in cylinder
2704	K6244	withdrawn		Method of test for acid-resistant resin-emulsion paint
2705	K6245	withdrawn		Method for determination of specific gravity of gas fuels
2747	K6246	1967-08		Method of test for carbon black
2748	K6247	2013-05		Method of test for gage vapor pressure of liquefied petroleum (LP) gases
2749	K6248	withdrawn		Method of test for sulfur in liquefied petroleum gases (Lamp method) (replaced by CNS 15372 or CNS 14665)
2750	K6249	2017-04		Method of test for copper strip corrosion by liquefied petroleum gases
2751	K6250	2020-02		Method of test for volatility of liquefied petroleum gases
2752	K6251	withdrawn		Method of test for dryness of commercial propane gas (Cobalt bromide method)
2753	K6252	withdrawn		Method of test for evaporation residue of commercial propane gas (F.P. of mercury method)
2754	K6253	withdrawn		Method of test for dryness of commercial propane gas (Dew point index)
2755	K6254	2018-02		Method of test for color of liquids – Tristimulus colorimetry
2756	K6255	2018-02		Method of test for distillation of industrial aromatic hydrocarbons and related materials
2757	K6256	2018-02		Method of test for acid wash color of industrial aromatic hydrocarbons
2758	K6257	2018-02		Method of test for acidity of benzene, toluene, xylenes, solvent naphthas, and industrial aromatic hydrocarbons
2759	K6258	withdrawn		Method of test for hydrogen sulfide and sulfur dioxide contents (qualitative) of aromatic hydrocarbons
2760	K6259	2017-09		Method of test for copper strip corrosion by industrial aromatic hydrocarbons
2761	K6260	withdrawn		Method of test for paraffins in aromatic hydrocarbons
2762	K6261	2020-03		Method of test for freezing points of high-purity hydrocarbons
2763	K6262	withdrawn		Method of Test for Alkalinity of Aromatic Hydrocarbons (→ C N S 2 7 5 8 )
2790	K6263	withdrawn		Method of Test for Methyl Alcohol (Methanol)
2792	K6264	withdrawn		Method of test for diaminostibene disulfonic acid
2810	K6265	1986-04		Method of test for chinese lacquer
2913	K6266	1968-10		Method of Test for Unsulfonatable Hydrocarbons in Detergent Alkylate
2914	K6267	2017-09		Method of test for free water and particulate contamination in distillate fuels – Visual inspection procedures
2915	K6268	withdrawn		Method of test for unsaturated hydrocarbons in petroleum distillates by bromine number
*	2917	K6269	withdrawn	Method of test for silica gel
	2919	K6270	withdrawn	Method of Test for Solder Paste
*	2940	K6271	1972-06	Method of Test for Polyethylene Resin
*	2986	K6272	1974-10	Methods of Test for Urea Resin Molding Compounds
*	2988	K6273	withdrawn	Methods of test for phenol formaldehyde resin molding compounds
	2990	K6274	withdrawn	Method of test for borax
	2991	K6275	withdrawn	Method of chemical test for tin and tin alloys
	3016	K6276	withdrawn	Method of test for bee wax
	3018	K6277	withdrawn	Method of Test for Potassium Hydroxide of Industrial Grade
	3020	K6278	withdrawn	Method of test for sodium pentachlorophenate (Wood preservatives)
	3022	K6279	withdrawn	Method of test for crude camphor
	3024	K6280	withdrawn	Method of test for camphor oil
	3051	K6281	withdrawn	Testing standard for caustic soda flakes (for industrial use)
	3073	K6282	withdrawn	Method of test for titanium dioxide (for rubber industry)
	3075	K6283	withdrawn	Method of test for sodium oxalate of industrial grade
	3081	K6284	1970-01	Method of Test for Gypsum
	3116	K6285	withdrawn	Method of test for chlorine sulfonic acid

		Date of		
CNS no.	Category no.	Current edition	Title	
	3140	K6286	withdrawn	Method of test for acetylene black
*	3143	K6287	withdrawn	Method of test for polyvinyl chloride sheet( replaced by CNS 3142-1 )
	3145	K6288	withdrawn	Method of test for liquefied carbon dioxide (replaced by CNS 195)
*	3169	K6289	withdrawn	Method of test for methyl cellulose
	3172	K6290	withdrawn	Method of test for zinc chloride of industrial grade
	3178	K6291	withdrawn	Method of test for mercury chloride (For dry battery)
	3180	K6292	withdrawn	Method of test for ammonium chloride of industrial grade
	3182	K6293	withdrawn	Method of test for sodium phosphate
	3183	K6294	2017-10	Method of test for residues in liquefied petroleum gases
	3213	K6295	withdrawn	Method of test for valve abrasive paste
*	3215	K6296	withdrawn	Method of test for zinc stearate powder
	3217	K6297	withdrawn	Method of test for PVC floor sheets
	3234	K6298	withdrawn	Method of test for ethanolamine
	3235	K6299	withdrawn	Method of test for fineness of plastics powder
	3236	K6300	withdrawn	Method of test for compressed hydrogen gas
	3237	K6301	withdrawn	Method of test for impurities in compressed hydrogen
*	3273	K6302	withdrawn	Method of test for polymethylmethacrylate corrugated sheet
*	3274	K6303	withdrawn	Method of test for polymethylacrylate corrugated sheet (load test)
*	3275	K6304	withdrawn	Method of test for polymethylacrylate corrugated sheet (light penetration)
*	3276	K6305	1971-04	Method of Test for Polymethylacrylate Corrugated Sheet (Water Absorption)
*	3277	K6306	withdrawn	Method of test for polymethylacrylate corrugated sheet (impact test)
*	3278	K6307	withdrawn	Method of test for polymethylacrylate corrugated sheet (aging test)
*	3279	K6308	withdrawn	Method of test for polymethylacrylate corrugated sheet (tensile strength)
*	3280	K6309	withdrawn	Method of test for polymethylacrylate corrugated sheet (weathering test)
	3294	K6310	1992-01	Method of Test for Polyvinyl Chloride Tarpaulin
	3296	K6311	1992-01	Method of Test for Polychloroprene Rubber Adhesives
	3309	K6312	withdrawn	Method of test for Poly-vinyl chloride asbestos tiles for flooring
	3311	K6313	withdrawn	Method of Test for Polyvinyl Chloride Wall Papers ( → C N S 1 1 4 9 1 )
	3312	K6314	withdrawn	Method of test for sweet potato starch (for industrial use)
	3313	K6315	withdrawn	Method of test for moisture-proof heat-sealing cellophane
	3336	K6316	withdrawn	Method of test for dichloroethane
	3338	K6317	withdrawn	Method of test for 1,1,1-trichloroethane (industrial grade)
	3340	K6318	withdrawn	Method of test for potassium ferricyanide of industrial grade
	3343	K6319	withdrawn	Method of test for calcium resinate
	3381	K6320	withdrawn	Method of test for aluminium stearate of industrial grade ( → C N S 3 3 8 0 )
	3382	K6321	2009-11	Method of test for gum content in fuels by jet evaporation
	3383	K6322	2013-05	Method of test for Conradson carbon residue of petroleum products
	3384	K6323	2020-02	Method of test for foaming characteristics of lubricating oils
	3385	K6324	withdrawn	Method of test for rust prevention characteristics of steam-turbine oil in the presence of water
	3386	K6325	withdrawn	Method of test for hydrogen sulfide and mercaptan sulfur in petroleum gas (electric titration)
	3387	K6326	2019-09	Method of test for the determination of hydrocarbon components in liquified petroleum gases (LPG) – Gas chromatography
	3388	K6327	withdrawn	Method of test for hydrogen-sulfide in natural gas (Tutwiler)
	3389	K6328	1987-07	Method for calculating viscosity index from kinematic viscosity at 40 °C and 100 °C
	3390	K6329	2010-02	Method of test for kinematic viscosity of transparent and opaque liquids (and calculation of dynamic viscosity)
	3391	K6330	2001-12	Method of test for ASTM color of petroleum products (ASTM color scale)

## Chemical Industry

CNS no.	Category no.	Date of		Title
		Current edition		
3396	K6331	withdrawn		Method of test for calcium hypochlorite bleaching solution (→CNS 3395)
3398	K6332	withdrawn		Method of test for sodium hypochlorite bleaching solution (→CNS 3397)
3399	K6333	withdrawn		Method of test for lustless lacquer
3479	K6334	withdrawn		Method of Test for Plastic Shoes
3481	K6335	withdrawn		Method of test for ammonium bicarbonate for technical use
3482	K6336	withdrawn		Method of test for saponification number of petroleum products
3483	K6337	2019-09		Method of test for Saybolt viscosity of petroleum products
3484	K6338	2012-10		Method of test for pour point of petroleum products
* 3517	K6339	2012-10		Method of test for water in petroleum products and bituminous materials by distillation
3518	K6340	2019-09		Method of test for water separability of petroleum oils and synthetic fluids
3549	K6341	withdrawn		Method of test for silver bromide (technical grade)
* 3551	K6342	withdrawn		Method of test for industrial rubber packing materials
* 3552	K6343	1996-07		General Rules of Physical Testing Methods for Vulcanized Rubber
* 3553	K6344	2020-10		Rubber, vulcanized or thermoplastic – Determination of tensile stress-strain properties
3554	K6345	2018-12		Rubber, vulcanized or thermoplastic – Determination of tension set under constant elongation, and of tension set, elongation and creep under constant tensile load
3555	K6346	2008-01		Methods of test for hardness of rubber, vulcanized or thermoplastic
3556	K6347	2016-09		Rubber, vulcanized or thermoplastic – Accelerated aging and heat resistance test
3557	K6348	withdrawn		Method of test for adhesion of vulcanized rubber
3558	K6349	withdrawn		Method of test for adhesion of vulcanized rubber to metal (→CNS 3557)
3559	K6350	2007-05		Methods of test for tear strength of rubber, vulcanized or thermoplastic
3560	K6351	2007-08		Method of test for compression set of vulcanized or thermoplastic rubber at ambient, elevated or low temperatures
3561	K6352	2020-11		Rubber, vulcanized or thermoplastic – Determination of rebound resilience
3562	K6353	2020-11		Rubber, vulcanized or thermoplastic – Determination of the effect of liquids
3563	K6354	1985-12		Method of Test for Low Elongation Stress of Vulcanized Rubber
3564	K6355	withdrawn		Low temperature testing methods for rubber, vulcanized or thermoplastic (replaced by CNS 3564-1, CNS 3564-2, CNS 3564-3 and CNS 3564-4)
3564-1	K6355-1	2020-10		Rubber, vulcanized or thermoplastic – Determination of low-temperature properties – Part 1: General introduction and guide
3564-2	K6355-2	2020-10		Rubber, vulcanized or thermoplastic – Determination of low-temperature properties – Part 2: Determination of low-temperature brittleness
3564-3	K6355-3	2020-10		Rubber, vulcanized or thermoplastic – Determination of low-temperature properties – Part 3: Determination of low temperature stiffening (Gehman test)
3564-4	K6355-4	2020-10		Rubber, vulcanized or thermoplastic – Determination of low-temperature properties – Part 4: Determination of low-temperature retraction (TR test)
3565	K6356	withdrawn		Chemical analysis of volatile matter in natural rubber
3566	K6357	withdrawn		Chemical analysis of dirt matter in natural rubber
3567	K6358	withdrawn		Chemical analysis of ash content in natural rubber
3568	K6359	withdrawn		Chemical analysis of copper in natural rubber
3569	K6360	withdrawn		Chemical analysis of natural rubber (Manganese)
3570	K6361	withdrawn		Chemical analysis of natural rubber (Iron)
3571	K6362	withdrawn		Chemical analysis of acetone extracted from natural rubber
3572	K6363	withdrawn		Chemical analysis of natural rubber (Nitrogen)

CNS no.	Category no.	Date of		Title
		Current edition		
3573	K6364	withdrawn		Chemical analysis rubber hydrocarbon of natural rubber
3574	K6365	2017-01		Method of test for flash point by Pensky-Martens closed cup tester
3575	K6366	withdrawn		Method of test for aniline point and mixed aniline point of petroleum products and hydrocarbon solvents
3576	K6367	2009-11		Method of test for ash from petroleum products
3577	K6368	2013-05		Method of test for hydrocarbon types in liquid petroleum products by fluorescent indicator adsorption
3578	K6369	withdrawn		Method of test for mercaptan sulfur in aviation turbine fuels, color-indicator method
3704	K6370	withdrawn		Testing method of butadiene
3717	K6371	withdrawn		Method of test for hexachlorobenzene
3721	K6372	withdrawn		Method of test for sodium chromate, anhydrous (technical use)
3727	K6373	withdrawn		Methods of test for ferric ammonium citrate (green), technical grade
3754	K6374	withdrawn		Method of test for powder of charcoal
3755	K6375	withdrawn		Method of test for potassium chloride of fertilizers grade
3762	K6376	withdrawn		Method of Test for Crayon
*	3775	K6377	2022-09	Method of test for flash and fire points by Cleveland open cup tester
	3776	K6378	2009-11	Method of test for Ramsbottom carbon residue of petroleum products
	3777	K6379	withdrawn	Method of test for water vapor content of gaseous fuels by measurement of dew-point temperature
	3779	K6380	withdrawn	Method of test for acetaldehyde for industrial use
	3836	K6381	withdrawn	Method of test for iron oxide
	3838	K6382	withdrawn	Method of test for zinc chromate yellow
	3894	K6383	withdrawn	Method of test for styrene monomer
	3896	K6384	1992-01	Method of test for flexible polyvinylchloride water-stops
*	3920	K6385	withdrawn	Method of test for paraffin oil (rubber use)
*	3922	K6386	1976-03	Method of Test for Lacquer in Surface of Leather's Shoes
	3946	K6387	withdrawn	Method of test for chrome yellow (Pigment)
	3947	K6388	withdrawn	Method of test for ethylene, other olefins, inerts and hydrogen in high purity ethylene
	3948	K6389	withdrawn	Method of test for moisture in ethylene
	3949	K6390	1976-06	Calibration and calculation of gas chromatography
	3951	K6391	withdrawn	Method of test for terephthalic acid (technical grade)
	3953	K6392	withdrawn	Method of test for cuprous oxide
	4011	K6393	withdrawn	Method of test for phthalic ester
	4012	K6394	withdrawn	Method of test for octanols (for industrial use)
*	4013	K6395	withdrawn	Method of test for polystyrene moulding materials
	4014	K6396	withdrawn	Method of test for tetrachloroethylene
	4054	K6397	withdrawn	Method of test for trace acetylene and carbon dioxide in ethylene
	4055	K6398	withdrawn	Method of test for trace quantities of total sulfur in ethylene
	4088	K6399	1981-10	Methods of test for ethylene glycol
	4110	K6400	withdrawn	Method of test for trichloroethylene
	4132	K6401	withdrawn	Method of test for copper naphthenate (wood preservatives) (→ C N S 1 4 4 9 5 )
	4139	K6402	withdrawn	Method of test for ultramarine blue
	4141	K6403	withdrawn	Method of test for N,N-Dinitrosopentamethylenetetramine blowing agent
	4197	K6404	withdrawn	Method of test for fluor chrome arsenate phenol (wood presevatives) (→ C N S 1 4 4 9 5 )
	4198	K6405	withdrawn	Method of test for acid copper chromate (wood preservatives) (→ C N S 1 4 4 9 5 )
	4199	K6406	withdrawn	Method of test for ammoniacal copper arsenate (wood preservatives) (→ C N S 1 4 4 9 5 )
	4200	K6407	withdrawn	Method of test for chromated zinc chloride (wood preservatives) (→ C N S 1 4 4 9 5 )
	4201	K6408	withdrawn	Method of test for chromated copper arsenate (wood preservatives) (→ C N S 1 4 4 9 5 )

## Chemical Industry

CNS no.	Category no.	Date of		Title
		Current edition		
4276	K6409	withdrawn		Method of test for opaque
4278	K6410	1978-03		Method of test for correcting slip
4280	K6411	withdrawn		Method of test for polyvinyl alcohol
4281	K6412	1978-03		Determination of total alcohols content of higher alcohols for industrial use (Volumetric method)
4282	K6413	withdrawn		Determination of ash of higher alcohols for industrial use (Gravimetric method)
4283	K6414	withdrawn		Determination of colour of higher alcohols for industrial use (sulphuric acid method)
* 4285	K6415	withdrawn		Method of test for sodium tripolyphosphate (for industrial use)
4286	K6416	2020-02		Method of test for acid and base number of petroleum products by color-indicator titration
4390	K6417	withdrawn		Preparation of specimens for optical tests on plastics materials - Moulding method
4391	K6418	withdrawn		Preparation of specimens for optical tests on plastics materials - Casting method
4392	K6419	2013-06		Plastics - Determination of flexural properties
4393	K6420	2013-01		Plastics – Thermoplastic materials – Determination of vicat softening temperature (VST)
4394	K6421	withdrawn		Injection moulding test specimens of thermoplastic material
4394-1	K6421-1	2013-01		Plastics – Injection moulding of test specimens of thermoplastic materials – Part 1: General principles, and moulding of multipurpose and bar test specimens
4394-2	K6421-2	2013-01		Plastics – Injection moulding of test specimens of thermoplastic materials – Part 2: Small tensile bars
4394-3	K6421-3	2013-01		Plastics – Injection moulding of test specimens of thermoplastic materials – Part 3: Small plates
4394-4	K6421-4	2013-01		Plastics – Injection moulding of test specimens of thermoplastic materials – Part 4: Determination of moulding shrinkage
4394-5	K6421-5	2013-01		Plastics – Injection moulding of test specimens of thermoplastic materials – Part 5: Preparation of standard specimens for investigating anisotropy
4395	K6422	2013-01		Plastics – Compression moulding of test specimens of thermoplastic materials
* 4396	K6423	withdrawn		Method of test for tensile properties of plastics
4446	K6424	2009-11		Method of test for determination of water in petroleum products, lubricating oils, and additives by coulometric Karl Fisher titration
4447	K6425	1992-06		Method of Test for Resistance of Plastics to Chemicals
4448	K6426	1992-09		Method of Test for Stiffness in Torsion of Plastics as a Function of Temperature
4450	K6427	withdrawn		Method of test for sulphur powder
4452	K6428	withdrawn		Method of test for flexible urethane foam(for cushion)
777	K6429	withdrawn		Method of test for paints for marine use
2629	K6430	1986-05		Method of test for oleore slouous finish paint for steel ship
4525	K6431	withdrawn		General testing method for organic rubber chemicals
4747	K6432	withdrawn		Method of test for automobiles tires (→ CNS 1 4 3 1 )
4831	K6433	2016-11		Method of test for analysis of lubricating grease
4866	K6434	withdrawn		Method of test for tricresyl phosphate (99 % grade)
4887	K6435	withdrawn		Method of test for vinyl acetate
4984	K6436	2017-11		Method of test for biodegradability of synthetic detergent
4985	K6437	withdrawn		Method of test for biodegradability of nonionic surface active agent (replaced by CNS 4984)
* 4986	K6438	1979-09		Methods of Chemical Analysis for Synthetic Detergents
* 4987	K6439	1979-09		Methods of Test for Physical Properties of Synthetic Detergents
5130	K6440	1980-01		Method of test for adhesives (General)
5131	K6441	1980-01		Method of measurement for specific gravity of liquid adhesives
5132	K6442	1980-01		Method of test for storage stability of adhesives
5133	K6443	1980-01		Method of determination for nonvolatile content of adhesives
5134	K6444	1980-01		Method of test for working life of adhesives



CNS no.	Category no.	Date of		Title
		Current edition		
5135	K6445	1980-01		Method of measurement for applied weight of liquid adhesives
5136	K6446	1980-01		Method of measurement for blocking point of adhesives
5137	K6447	1980-01		Method of measurement for strength development of adhesive bonds
5138	K6448	1980-01		Method of measurement for softening temperature of adhesives
5139	K6449	withdrawn		Method of test for crushing strength direction of ebonite
5140	K6450	withdrawn		Method of test for cross-breaking strength of ebonite
5141	K6451	withdrawn		Method of test for tensile strength and elongation at break of ebonite
5219	K6452	withdrawn		Testing method for industrial melamine
5221	K6453	withdrawn		Testing method for industrial diphenylamine (N-phenylbenzeneamine)
5238	K6454	withdrawn		Method of test for stannic oxide
5239	K6455	withdrawn		Method of test for potassium sulfate
5240	K6456	withdrawn		Method of test for polyisobutylene
5241	K6457	1980-02		Method of test for ether
5341	K6458	2007-08		Determination of density for vulcanized or thermoplastic rubber
5342	K6459	2013-01		Plastics — Determination of migration of plasticizers in plastics
5343	K6460	2013-01		Plastic — Determination of loss of plasticizers in plastics — Activated carbon method
*	5344	K6461	1980-03	Methods of test for saponification number of rosin
	5347	K6462	1980-03	Method of test for resin acids in rosin by gas chromatography
	5348	K6463	withdrawn	Method of test for iron in rosin
	5349	K6464	1980-03	Method of test for acid number of rosin
	5350	K6465	1980-03	Method of test for rosin acids in fatty acids
	5351	K6466	withdrawn	Method of test for ash in rosin
	5352	K6467	withdrawn	Method of test for rosin oils
	5353	K6468	1980-03	Method of test for unsaponifiable matter in rosin
	5354	K6469	1980-03	Method of test for fatty acids content of tall oil rosin
	5446	K6470	withdrawn	Method of test for di-(2 ethyl-hexyl) sebacate
	5448	K6471	withdrawn	Method of test for (solid) dinitrotoluene
	5453	K6472	withdrawn	Method of test for calcium silicate
*	5454	K6473	withdrawn	Method of test for magnesium stearate
	5455	K6474	withdrawn	Method of test for diethylphthalate
	5456	K6475	withdrawn	Method of test for hexamethylenetetramine (→CNS 5 4 5 1)
	5459	K6476	withdrawn	Method of test for purity of aldehydes and ketones
	5580	K6477	1980-05	Method of test for apparent density of activated carbon
	5581	K6478	1980-05	Method of test for total ash content of activated carbon
	5582	K6479	1980-05	Method of test for moisture in activated carbon
	5583	K6480	1980-05	Method of test for particle size distribution of granular activated carbon
	5584	K6481	withdrawn	Method of test for reserve alkalinity of engine antifreezes, antirusts, and coolants
	5585	K6482	1980-05	Method of Test for Boiling Point of Engine Coolants
	5586	K6483	withdrawn	Method of test for ash content of engine antifreezes, antirusts and coolants
	5587	K6484	withdrawn	Method of test for specific gravity of engine antifreezes by the hydrometer
	5589	K6485	withdrawn	Test of method for fluorocarbons
	5590	K6486	1980-05	Method of test for chloride in trichlorotrifluoroethane
	5591	K6487	1980-05	Method of test for total acid number of trichlorotrifluoroethane
	5592	K6488	withdrawn	Method of test for nonvolatile matter in trichlorotrifluoroethane
	5593	K6489	withdrawn	Method of test for purity of trichlorotrifluoroethane
	5594	K6490	withdrawn	Method of test for detection of lead in paint and dried paint films
	5595	K6491	withdrawn	Method of test for arsenic in paints
	5596	K6492	withdrawn	Method of test for determination of low concentrations of lead in paints
	5597	K6493	withdrawn	Method of test for reactivity of paint liquids
	5598	K6494	withdrawn	Method of test for consistency of paints (Stormer viscometer)
	5599	K6495	withdrawn	Method of qualitative tests for rosin in varnishes

## Chemical Industry

CNS no.	Category no.	Date of		Title
		Current edition		
5602	K6496	1980-05		Analysis of Methyl Isobutyl Ketone by Gas Chromatography
5603	K6497	2016-06		Method of test for trace impurities in monocyclic aromatic hydrocarbons by gas chromatography with internal standard calibration
5604	K6498	1980-05		Method of Test for Bonding Strength of Adhesives (General Rules)
5605	K6499	1980-05		Method of Determination for Tensile Strength of Adhesives
5606	K6500	1980-05		Methods of Test for Strength Properties of Adhesives in Shear by Tension Loading
5607	K6501	1980-05		Method of determination for viscosity of adhesives
5608	K6502	1980-05		Method of test for resistance of adhesive bonds to water or moisture
5609	K6503	1980-05		Method of test for resistance of adhesives bonds to chemical substance
5808	K6504	1980-07		Methods of test for strength properties of adhesives for wood in shear by tension loading
5809	K6505	1980-07		Methods of test for strength properties of adhesives in shear by compression loading
5810	K6506	1980-07		Methods of test for impact shear strength of adhesives
5811	K6507	1980-07		Methods of test for cleavage strength of adhesives
5812	K6508	1980-07		Methods of test for peel strength of adhesives
5813	K6509	1980-07		Method of test for pH value of carbon black
5814	K6510	2015-03		Rubber compounding ingredients - Carbon black - Determination of loss on heating
5815	K6511	2015-07		Rubber compounding ingredients - Carbon black (pelletized) - Determination of pour density
5816	K6512	2015-07		Rubber compounding ingredients - Carbon black (pelletized) - Determination of fines content
5817	K6513	2015-07		Rubber compounding ingredients - Carbon black - Determination of pellet size distribution
5818	K6514	2015-07		Rubber compounding ingredients - Carbon black - Determination of iodine adsorption number
* 5819	K6515	1980-07		Method of test for silica powder (White carbon)
5821	K6516	1980-07		Determination of resistance of plastics to colour change upon exposure to light of the enclosed carbon arc
5823	K6517	withdrawn		Method of test for manganese powder of manganese dry cells and batteries
5835	K6518	2016-11		Method of test for acidity and basicity of hydrocarbon liquids and their distillation residues
5836	K6519	withdrawn		Test method for odor of volatile solvents and diluents
5837	K6520	withdrawn		Test method for bromine index of aromatic hydrocarbons by potentiometric titration
5838	K6521	withdrawn		Test method for bromine index of aromatic hydrocarbons by coulometric titration
5839	K6522	2019-09		Method of test for bromine index of petroleum hydrocarbons – Electrometric titration
5840	K6523	2019-09		Method of test for bromine numbers of petroleum distillates and aliphatic olefins – Electrometric titration
5841	K6524	1980-07		Determination of Carbon Black Content of Vulcanized Rubber (Pyrolytic Method)
5843	K6525	withdrawn		Method of test for anhydrous sodium sulfate used in explosives
* 5845	K6526	withdrawn		Method of test for flexible urethane foam (for garments)
5846	K6527	withdrawn		Method of charpy impact test for rigid plastics( replaced by CNS 5846-1 )
5846-1	K6527-1	2019-08		Plastics – Determination of charpy impact properties – Part 1: Non-instrumented impact test
5846-2	K6527-2	2019-08		Plastics – Determination of charpy impact properties – Part 2: Instrumented impact test
* 5848	K6528	withdrawn		Method of test for vaseline
5849	K6529	withdrawn		Determination of loss of mass at 105 degree C of potassium sulphate for industrial use

CNS no.	Category no.	Date of		Title
		Current edition		
5852	K6530	withdrawn		Method of oven test for moulded fittings in unplasticized polyvinyl chloride (PVC) for use under pressure
5853	K6531	withdrawn		Method of oven test for moulded fittings in unplasticized polyvinyl chloride (PVC) with elastic sealing ring type joints for use under pressure
5855	K6532	withdrawn		Measurement of opacity of unplasticized polyvinyl chloride (PVC) pipes
5857	K6533	withdrawn		Determination of resistance to acetone of unplasticized polyvinyl chloride (PVC) pipes
5863	K6534	withdrawn		Method of test for silica in basic lead silico-chromate
5864	K6535	withdrawn		Method of test for total lead in basic lead silico-chromate
5865	K6536	withdrawn		Method of test for chromium trioxide in basic lead silico-chromate
5866	K6537	withdrawn		Method of test for acid value of organic coating materials
5885	K6538	withdrawn		Method of test for hygroscopic moisture (and other matter volatile under the test condition) in pigments
5886	K6539	1980-07		Solvent - Extractable Material in Black Pigment
5887	K6540	1980-07		Oil Absorption of Pigments by Gardner - Coleman Method
5888	K6541	1980-07		Oil Absorption of Pigments by Spatula Ruh - Out
6187	K6542	2014-06		Paints, varnishes and plastics - Determination of non-volatile-matter content
6188	K6543	1980-08		Method of test for acidity in volatile solvents and chemical intermediates used in paint, varnish, lacquer, and related products
6189	K6544	1993-04		Method of test for water reaction of aviation fuels
6190	K6545	withdrawn		Method of test for mercaptan sulfur in aviation turbine fuels (amperometric method)(replaced by CNS 6191)
6191	K6546	2018-08		Method of test for thiol mercaptan sulfur in fuels (potentiometric method)
6192	K6547	withdrawn		Method of test for mercaptan sulfur in gasoline, kerosene, aviation turbine, and distillate fuels (potentiometric method)(replaced by CNS 6191)
6193	K6548	withdrawn		Method of test for paraformaldehyde for industrial use (General)
6194	K6549	withdrawn		Method of test for ash of paraformaldehyde for industrial use
6195	K6550	withdrawn		Method of test for iron content of paraformaldehyde for industrial use (2, 2'-Bipyridyl photometric method)
6196	K6551	withdrawn		Method of test for water-insoluble matter of paraformaldehyde for industrial use
6197	K6552	1980-08		Determination of moisture content of sodium chlorate for industrial use (gravimetric method)
6198	K6553	withdrawn		Determination of acidity of tritoyl phosphate for industrial use (Volumetric method)
6199	K6554	withdrawn		Determination of apparent free phenols content of tritoyl phosphate for industrial use (volumetric method)
6200	K6555	withdrawn		Determination of water-insoluble matter of sodium fluoride for industrial use
6201	K6556	withdrawn		Determination of moisture content of sodium fluoride for industrial use
6202	K6557	withdrawn		Preparation and storage of test samples of aluminium fluoride for industrial use
6203	K6558	1980-08		Determination of apparent density of material that can be poured from a specified funnel
6204	K6559	1980-08		Determination of apparent density of moulding material that cannot be poured from a specified funnel
6205	K6560	1980-08		Determination of density of liquid chemical products (at 20 °C )
6206	K6561	withdrawn		Method of test for acidity of liquid halogenated hydrocarbons (Titrimetric method)
6207	K6562	withdrawn		Method of test for evaporation residue of liquid halogenated hydrocarbons
6208	K6563	withdrawn		Determination of loss after heating at 900 °C of crude sodium borates for industrial use

## Chemical Industry

CNS no.	Category no.	Date of		Title
		Current edition		
6209	K6564	withdrawn		Determination of water content of urea for industrial use by karl fischer method
6210	K6565	withdrawn		Method of Test for Maleic Anhydride for Industrial Use (General)
6211	K6566	withdrawn		Measurement of colour of the molten material of maleic anhydride for industrial use
6212	K6567	withdrawn		Determination of free acidity of maleic anhydride for industrial use (potentiometric method)
6213	K6568	withdrawn		Determination of the assay of maleic anhydride for industrial use (titrimetric method)
6214	K6569	withdrawn		Method of test for ash of maleic anhydride for industrial use
6215	K6570	withdrawn		Method of test for iron content of maleic anhydride for industrial use (2,2-bipyridyl photometric method)
6225	K6571	1980-08		Method of test for polyvinyl chloride adhesives
6238	K6572	withdrawn		Method of test for lead in tribasic lead phosphosilicate
6239	K6573	withdrawn		Method of test for phosphorus in tribasic lead phosphosilicate
6240	K6574	withdrawn		Method of test for silica in tribasic lead phosphosilicate
6241	K6575	withdrawn		Method of test for water of hydration in tribasic lead phosphosilicate
6357	K6576	2022-09		Method of test for sediment in crude oils and fuel oils by the extraction method
6358	K6577	2012-10		Method of test for water and sediment in fuel oils by the centrifuge method
6359	K6578	2021-03		Method of test for heat of combustion of liquid hydrocarbon fuels by bomb calorimeter
6360	K6579	2017-04		Method of test for sulfur in petroleum products – General high pressure decomposition device method
6361	K6580	1997-06		Method of test for common properties of certain pigments
6362	K6581	1980-08		Method of Test for Coarse Particles in Pigments
6363	K6582	withdrawn		Method of test for strontium chromate pigment
6364	K6583	withdrawn		Method of test for diatomaceous silica pigment
6365	K6584	withdrawn		Method of test for barium sulfate pigment
6366	K6585	withdrawn		Method of test for mica pigments
6471	K6586	1980-09		Method of Test of Yellow, Orange, Red, and Brown Pigments Containing Iron and Manganese
6472	K6587	1980-09		Method of test for dry mercuric oxide pigment
6473	K6588	withdrawn		Method of test for para red and toluidine red pigment
6474	K6589	1980-09		Method of test for bleeding of pigments
6481	K6590	1987-09		Method of test for polyvinyl chloride joint ( for plate )
*	6483	K6591	1993-10	Method of test for polyurethane (PU) athletic installation material
	6485	K6592	1980-09	Method of test for nonrigid PVC handrail
	6486	K6593	withdrawn	Polyethylene(PE) pipes – Determination of longitudinal reversion – Liquid bath immersion method
	6487	K6594	withdrawn	Polypropylene(PP) pipes – Determination of longitudinal reversion
	6488	K6595	withdrawn	Unplasticized polyvinyl chloride(PVC) pipes – Determination of longitudinal reversion – Liquid bath immersion method
	6489	K6596	withdrawn	Unplasticized polyvinyl chloride (PVC) pipes - Effect of sulphuric acid - Requirement and test method
	6570	K6597	2006-02	Essential oils – Sampling
	6571	K6598	2006-02	Essential oils – Determination of relative density at 20 °C - Reference method
	6572	K6599	2006-02	Essential oils – Determination of refractive index
	6573	K6600	2006-02	Essential oils – Preparation of test samples
	6574	K6601	2006-02	Essential oils – Determination of optical rotation
	6575	K6602	2009-01	Essential oils - Determination of acid value
	6576	K6603	2006-06	Essential oils – Evaluation of miscibility in ethanol
	6577	K6604	2009-01	Essential oils - Determination of freezing point
	6578	K6605	2006-06	Essential oils – Determination of 1,8-cineole content
	6579	K6606	2009-01	Essential oils - Determination of acid value
	6580	K6607	2006-06	Essential oils – Determination of content of phenols
	6670	K6608	1980-12	Method of test for methyl ethyl ketone by gas chromatography

CNS no.	Category no.	Date of		Title
		Current edition		
6671	K6609	withdrawn		Method of test for methyl ether of hydroquinone in colorless monomeric acrylate esters
6672	K6610	withdrawn		Purity of acrylate esters by gas chromatography
6677	K6611	2006-06		Essential oils – Determination of ester values, before and after acetylation, and evaluation of the contents of free and total alcohols
6678	K6612	2006-10		Essential oils – Determination of carbonyl value - Free hydroxylamine method
6679	K6613	2006-10		Essential oils – Determination of carbonyl value - Potentiometric methods using hydroxylammonium chloride
6680	K6614	2006-10		Essential oils (containing tertiary alcohols) – Estimation of free alcohols content by determination of ester value after acetylation
6681	K6615	2006-10		Essential oils – Estimation of primary and secondary free alcohols content by acetylation in pyridine
6682	K6616	1980-12		Determination of ester value after hot formylation of essential oils of geranium and rose
6683	K6617	withdrawn		Plastics and ebonite - Determination of temperature of deflection under load
6684	K6618	withdrawn		Aminoplastic moulding materials – Determination of volatile matter
6834	K6619	1986-09		Method of Test for Rubber Hoses
6834-1	K6619-1	2012-05		Testing methods for rubber and plastics hoses – Part 1: Methods of measurement of the dimensions of hoses and the lengths of hose assemblies
6834-2	K6619-2	2012-05		Testing methods for rubber and plastics hoses – Part 2: Hydrostatic testing
6834-3	K6619-3	2012-05		Testing methods for rubber and plastics hoses – Part 3: Determination of resistance to vacuum
6834-4	K6619-4	2012-05		Testing methods for rubber and plastics hoses – Part 4: Sub-ambient temperature flexibility tests
6834-5	K6619-5	2012-05		Testing methods for rubber and plastics hoses – Part 5: Determination of electrical resistance and conductivity
6834-6	K6619-6	2012-05		Testing methods for rubber and plastics hoses – Part 6: Determination of adhesion between components
6834-7	K6619-7	2012-05		Testing methods for rubber and plastics hoses – Part 7: Assessment of ozone resistance under static conditions
6834-8	K6619-8	2012-05		Testing methods for rubber and plastics hoses – Part 8: Hydraulic-pressure impulse test without flexing
6834-9	K6619-9	2012-05		Testing methods for rubber and plastics hoses – Part 9: Bending properties of hoses and tubing
6834-10	K6619-10	2012-05		Testing methods for rubber and plastics hoses – Part 10: Determination of transmission of liquids through hose walls
6835	K6620	withdrawn		Method of test for carbon disulfide in benzene
6836	K6621	withdrawn		Method of test for thiophene in benzene
6837	K6622	1980-12		Method of Test for Traces of Thiophene in Benzene Using Isatin and Spectrophotometry
6838	K6623	withdrawn		Method of test for vanadium in fuel oil
6928	K6624	1989-07		Method of Test for Scrub Resistance of Interior Latex Flat Wall Paints
6929	K6625	withdrawn		Method of test for calcium or zinc in paint drier by EDTA method
6930	K6626	withdrawn		Method of test for manganese in paint drier by EDTA method
6931	K6627	withdrawn		Method of test for lead in paint drier by EDTA method
6932	K6628	withdrawn		Method of test for cobalt in paint drier by EDTA method
6933	K6629	withdrawn		Method of test for photographic grade chemical
7039	K6630	withdrawn		Method of test for fatty acids used in protective coatings
7040	K6631	withdrawn		Method of test for ash in drying oils and fatty acids
7041	K6632	withdrawn		Method of test for acid value of fatty acids and polymerized fatty acids
7042	K6633	withdrawn		Method of test for saponification value of drying oils, fatty acids, and polymerized fatty acids

## Chemical Industry

CNS no.	Category no.	Date of		Title
		Current edition		
7043	K6634	withdrawn		Method of test for unspoonifiable matter in drying oils, fatty acids, and polymerized fatty acids
7045	K6635	withdrawn		Method of Test for Polybutylene Plastic Tubing
7047	K6636	withdrawn		Method of test for polybutylene (PB) plastic hot-water distribution systems
7048	K6637	1981-03		Method of Determination for Dimensions of Thermoplastic Pipe and Fittings
7049	K6638	1981-03		Method of Test for Carbon Blank in Olefin Plastics
7050	K6639	2010-03		Method of test for time-to-failure of plastic pipe under constant internal pressure
7051	K6640	1981-03		Method of Test for Short - Time Rupture Strength of Plastic Pipe, Tubing and Fittings
* 7057	K6641	withdrawn		Method of test for rigid polyvinyl chloride corrugated pipes
7160	K6642	withdrawn		Method of test for flexible polyvinyl chloride roofing sheet for waterproof
7162	K6643	withdrawn		Methods of test for polymerized fatty acids
7163	K6644	withdrawn		Method of test for color of transparent liquids (Gardner color scale)
7164	K6645	1981-03		Method of test for titer of fatty acids
7165	K6646	withdrawn		Method of test for iodine value of drying oils and fatty acids
7166	K6647	1992-06		Method of test for color after heating of fatty acids
7167	K6648	1992-06		Method of test for hydroxyl value of fatty oils and acids
7168	K6649	withdrawn		Method of test for acid wash color of refined grade naphthalene
7169	K6650	1981-03		Method of test for evaporation residue of naphthalene
7170	K6651	withdrawn		Method of test for purity and benzene content of cyclohexane by gas chromatography
7253	K6652	withdrawn		Method of test for loss on heating of drying oils
7254	K6653	1981-04		Method of test for acetone tolerance of heat – Bodied drying oils
7255	K6654	withdrawn		Method of test for quantitative determination of break in drying oils
7256	K6655	1981-04		Method of test for color after heating of drying oils
7257	K6656	withdrawn		Method of test for heptane miscibility of lacquer solvents
7258	K6657	withdrawn		Method of test for matter insoluble in chloroform in oiticica oil
7259	K6658	withdrawn		Method of test for drying properties of drying oils
7260	K6659	withdrawn		Method of test for gel time of drying oils
7261	K6660	1981-04		Method of sampling liquid oils, fatty acids, and polymerized fatty acids commonly used in paints varnishes, and related materials
7396	K6661	withdrawn		Method of test for dielectric constant and dissipation factor of polyethylene by liquid displacement procedure
7397	K6662	2009-07		Method of test for fiber glass products
7403	K6663	2018-02		Method of test for color of clear liquids – platinum-cobalt scale
7404	K6664	withdrawn		Method of Test for Fineness of Dispersion of Pigment - Vehicle System
7405	K6665	1981-05		Method of test for density of paint, varnish, lacquer and related products
7406	K6666	2015-10		Cellular plastics and rubbers – Determination of linear dimensions
7407	K6667	2012-09		Cellular plastics and rubbers – Determination of apparent (bulk) density
7408	K6668	2013-06		Rigid cellular plastics - Determination of compression properties
7409	K6669	2013-06		Rigid cellular plastics - Determination of shear strength
* 7434	K6670	withdrawn		Method of test for tung oil quality
7435	K6671	withdrawn		Method of test for total iodine value of drying oils and their derivatives
7436	K6672	withdrawn		Method of test for foats in raw linseed oil (Volumetric method)
7437	K6673	withdrawn		Method of test for foats in raw linseed oil (Gravimetric method)
7438	K6674	withdrawn		Methods of test for nonvolatile content of varnishes
7701	K6675	2012-10		Leather – Determination of distension and strength of grain – Ball burst test
* 7702	K6676	withdrawn		Method of test for cold resistance of leather
7703	K6677	2010-09		Leather – Physical and mechanical tests – Determination of water vapour absorption

CNS no.	Category no.	Date of		Title
		Current edition		
7704	K6678	2016-10		Leather - Physical and mechanical tests - Determination of water vapour permeability
7705	K6679	2019-11		Leather – Determination of flex resistance – Part 1: Flexometer method
7724	K6680	withdrawn		Method of test for ash in fatty quaternary ammonium chlorides
7725	K6681	withdrawn		Method of test for iodine value of fatty quaternary ammonium chlorides
7726	K6682	withdrawn		Method of test for iodine value of fatty amines amidoamines, and diamines
7727	K6683	withdrawn		Method of test for pH of fatty quaternary ammonium chlorides
7728	K6684	withdrawn		Method of test for percent of non - amines in fatty nitrogen compounds
7729	K6685	withdrawn		Method of test for nonvolatile matter (solids) in fatty quaternary ammonium chlorides
7734	K6686	1981-07		Method of Test for Deformation of Plastics Under Load
7735	K6687	withdrawn		Method of test for density of plastics by the density-gradient technique
7819	K6688	withdrawn		Method of test for water absorption of leather
7913	K6689	withdrawn		Total, primary, secondary, and tertiary amine values of fatty amines, amidoamines, and diamines by referee potentiometric method
7914	K6690	1981-09		Total primary, secondary, and tertiary amine value of fatty amines by alternative indicator method
7915	K6691	withdrawn		Average molecular weight of fatty quaternary ammonium chlorides
7916	K6692	withdrawn		Calculation of percent of primary secondary and tertiary amines in fatty amines
8012	K6693	1987-05		Method of test for epoxy resin paint
8013	K6694	withdrawn		Method of test for wash primer(replaced by CNS 4934)
8015	K6695	withdrawn		Method of test for black wax
8017	K6696	withdrawn		Method of test for candelilla wax
8019	K6697	withdrawn		Method of test for lead 2-ethylhexoate
8021	K6698	withdrawn		Method of test for 2-nitrodiphenylamine
8023	K6699	withdrawn		Method of test for 2-naphthylaminesulfonic acid
8025	K6700	withdrawn		Method of test for lead salicylate
8033	K6701	withdrawn		Method of test for ash in polybasic acids
8136	K6702	2005-02		Essential oils – Quantitative evaluation of residue on evaporation
8137	K6703	2009-01		Essential oils - Determination of residue from distillation under reduced pressure
8143	K6704	withdrawn		Method of Test for Lead Suboxide Anti - Corrosive Primer (→ CNS 10756、10757、10880)
8421	K6705	withdrawn		Method of test for tinting strength of white pigments
* 8428	K6706	withdrawn		Method of test for glass fiber mat
8514	K6707	1982-02		Mass color and tinting strength of color pigments
8515	K6708	withdrawn		Method of test for light stability of clear coatings
8516	K6709	withdrawn		Method of test for flow rates of thermoplastics by extrusion plastometer
8516-1	K6709-1	2015-10		Plastics - Determination of the melt mass-flow rate (MFR) and melt volume-flow rate (MVR) of thermoplastics - Part 1: Standard method
8522	K6710	withdrawn		Method of test for lead in lead-free paints
8523	K6711	1982-02		Method of test for methanol in preparations containing methanol
8524	K6712	withdrawn		Method of test for phenol in preparations containing phenol
8525	K6713	withdrawn		Method of test for volatile denaturants in alcohol
8526	K6714	1982-02		Method of test for polyethylene coating on metals
8527	K6715	1982-02		Method of test for flexural fatigue of rigid plastics by plane bending
8595	K6716	withdrawn		Determination of the pigment content of solvent-type paints by high speed centrifuging
8596	K6717	1982-03		Evaluating degree of settling of paint
8597	K6718	withdrawn		Evaluating degree of cracking of exterior paints
8598	K6719	withdrawn		Method of test for volatile content of paints

## Chemical Industry

CNS no.	Category no.	Date of		Title
		Current edition		
8603	K6720	1982-03		Method of sampling for synthetic detergents
9004	K6721	withdrawn		Method of test for calcium carbonate for rubber
9006	K6722	withdrawn		Method of test for magnesium oxide for rubber
9007	K6723	1995-01		Method of test for paints - sampling and general condition
9284	K6724	withdrawn		Method of test for impact resistance of plastics and electrical insulating materials
9302	K6725	1982-08		Method of Test for Arabic Gum (for Electric Primer Uses )
9304	K6726	1982-08		Sampling of crude oils and fats
9403	K6727	withdrawn		Method of test for slump of caulking compounds and sealants
9404	K6728	1982-09		Method of Test for Fineness of Dispersion of Pigment - Vehicle Systems
9405	K6729	1982-09		Method of test for abrasion resistance of coatings of paint, varnish, lacquer, and related products with the air blast abrasion tester
*	9520	K6730	withdrawn	Method of test for polyvinylchloride coated fabric( replaced by CNS 9519 )
*	9716	K6731	1982-12	Method of test for liquid unsaturated polyester resin
	9724	K6732	withdrawn	Method of test for tires of cross-country pattern and mud & snow pattern (replaced by CNS 1431)
	9725	K6733	1996-05	Method of test for paints-general properties
*	9891	K6734	1983-01	Method of test for latex foam rubber for cushion
*	9893	K6735	2014-09	Testing methods for rubber vibration isolators
*	9894	K6736	1995-01	Method of test for paints - storage stability
	9895	K6737	1983-01	Method of test for solid contents of aerosol coatings
	9897	K6738	withdrawn	Method of test for vinyl acetate content in EVA resin
	9898	K6739	withdrawn	Method of test for vinyl acetate content in EVA resin (saponification method)
	10011	K6740	withdrawn	Method of test for chloroprene rubber (CR)
	10012	K6741	withdrawn	Method of test for chloroprene rubber (CR) latex
	10013	K6742	withdrawn	Method of test for acrylonitrile butadiene rubber (NBR) latex
	10014	K6743	1983-02	Method of test for acrylonitril butadiene rubber (NBR)
*	10016	K6744	withdrawn	Method of test for dynamic properties of vulcanized rubber
	10016-1	K6744-1	2015-03	Rubber, vulcanized or thermoplastic – Determination of dynamic properties – Part 1: General guidance
	10017	K6745	2020-11	Rubber, vulcanized or thermoplastic – Determination of flex cracking and crack growth (De Mattia)
	10018	K6746	2008-01	Resistance to ozone cracking of rubber,vulcanized or thermoplastic (Methods of test for static and dynamic strain)
	10019	K6747	2015-08	Rubber, vulcanized or thermoplastic - Determination of compression stress-strain properties
	10020	K6748	2007-05	Methods of test for stress relaxation of rubber, vulcanized or thermoplastic
	10021	K6749	withdrawn	Method of test for torsion under low temperature of vulcanized rubber (→CNS 3564)
	10022	K6750	withdrawn	Method of test for permanent compression set under low temperature of vulcanized rubber (→CNS 3564)
	10024	K6751	withdrawn	Method of test for rubber belts for conveyors
	10085	K6752	withdrawn	Method of test for polyvinylidene chloride
*	10087	K6753	withdrawn	Method of test for press ink
	10089	K6754	withdrawn	Method of test for mimeograph ink
*	10090	K6755	2019-09	Method of test for penetration of bitumen/asphalt
	10091	K6756	2019-09	Method of test for ductility of bitumen/asphalt
	10092	K6757	2019-09	Test method for solubility of bitumen/asphalt materials in trichloroethylene
	10093	K6758	withdrawn	Method of test for loss on heating of oil and asphaltic compounds
	10094	K6759	withdrawn	Method of test for lead in new and used greases
	10095	K6760	withdrawn	Method of test for chlorine in new and used lubricants (sodium alcoholate method)
	10096	K6761	withdrawn	Method of test for zinc in lubricating oils and additives (polarographic method)



CNS no.	Category no.	Date of		Title
		Current edition		
10097	K6762	withdrawn		Method of bleaching test for fats and oils
10098	K6763	withdrawn		Method of alkali refining of fats and oils
10099	K6764	withdrawn		Method of test for colour of fats and oils by means of lovibond tintometer
10100	K6765	withdrawn		Method of test for acid value of fats and oils
10264	K6766	withdrawn		Method of chemical analysis for metals in lubricating oils
10265	K6767	withdrawn		Method of test for phosphorus in lubricating oils and additives
10266	K6768	withdrawn		Method of test for apparent viscosity of lubricating greases
10267	K6769	withdrawn		Method of test for evaporation loss of lubricating greases and oils
10268	K6770	withdrawn		Method of test for evaporation loss of lubricating greases over wide-temperature range
*	10270	K6771	1983-05	Method of Test for Polyurethane Leather
	10271	K6772	withdrawn	Method of test for physical properties of unvulcanized rubber (general rules)
	10272	K6773	1983-05	Method of specimens preparation for physical properties test of unvulcanized rubber
	10273	K6774	withdrawn	Method of test for Mooney viscosity of unvulcanized rubber
	10273-1	K6774-1	2018-07	Rubber, unvulcanized – Determination using a shearing-disc viscometer – Part 1: Determination of Mooney viscosity
	10273-2	K6774-2	2018-07	Rubber, unvulcanized – Determination using a shearing-disc viscometer – Part 2: Determination of pre-vulcanization characteristics
	10273-3	K6774-3	2018-07	Rubber, unvulcanized – Determinations using a shearing-disc viscometer – Part 3: Determination of the Delta Mooney value for non-pigmented, oil-extended, emulsion-polymerized SBR
	10273-4	K6774-4	2014-04	Rubber, unvulcanized - Determinations using a shearing-disc viscometer - Part 4: Determination of the Mooney stress-relaxation rate
	10274	K6775	withdrawn	Method of test for Mooney scorch of unvulcanized rubber
	10275	K6776	1983-05	Method of Test for William Plasticity of Unvulcanized Rubber
	10350	K6777	1983-06	Method of Test for Synthetic Rubber Sbr Latex
	10351	K6778	1983-06	Method of Test for Synthetic Rubber Sbr
	10352	K6779	1983-06	Method of test for pigments
	10363	K6780	2018-08	Method of test for determining demulsibility of emulsified bitumen
	10364	K6781	withdrawn	Method of test for particle charge of emulsified asphalts
	10365	K6782	2018-08	Method of test for settlement and storage stability of emulsified bitumen
	10366	K6783	2018-08	Method of test for determining cement mixing of emulsified bitumen
	10367	K6784	2018-08	Method of test for oversized particles in emulsified bitumen (Sieve test)
	10368	K6785	withdrawn	Method of test for miscibility with water of emulsified asphalts
	10369	K6786	withdrawn	Method of test for freezing of emulsified asphalts
	10370	K6787	2018-08	Method of test for coating ability and water resistance of emulsified asphalts
	10371	K6788	withdrawn	Method of test for storage stability of asphalt emulsion
	10450	K6789	withdrawn	Method of test for general properties of rust preventive oil
	10451	K6790	withdrawn	Method of test for corrosive properties of rust preventive oil
	10452	K6791	withdrawn	Method of test for rust preventive properties of rust preventive oil
	10453	K6792	withdrawn	Method of test for film removing properties of rust preventive oil
	10454	K6793	2018-08	Method of test for distillation of emulsified bitumen
	10455	K6794	withdrawn	Method of test for identification of oil distillate obtained from emulsified asphalts by micro-distillation (replaced by CNS 10454)
	10456	K6795	2018-08	Method of test for residue by evaporation of emulsified bitumen
	10457	K6796	withdrawn	Method of test for examination of residue obtained from distillation or evaporation of emulsified asphalts (replaced by CNS 10456)
	10458	K6797	2018-08	Method of test for identifying cationic emulsified bitumen
	10459	K6798	2018-08	Method of test for float test for bitumen
	10660	K6799	1983-11	Method of test for polyethylene films for agriculture

## Chemical Industry

	CNS no.	Category no.	Date of		Title
			Current edition		
*	10756	K6800	1994-11		Method of test for paints (Film formability of paints)
*	10756-1	K6800-1	1994-11		Method of test for paints (Visual character of coated film)
	10757	K6801	1995-11		Method of test for paints (Testing methods relating to physical and chemical resistance of coated film)
	10775	K6802	withdrawn		Method of test for rubber goods for water works (→ CNS 1 0 7 7 4 )
	10859	K6803	withdrawn		Methods of test for rubber compounding ingredients
	10880	K6804	1994-12		Method of test for paint components - General rules
*	10880-1	K6804-1	1994-12		Method of test for paint components - Heating residue
	10880-2	K6804-2	1994-12		Method of test for paint components - Heating loss
	10880-3	K6804-3	1994-12		Method of test for paint components - Solvent insoluble matter
	10880-4	K6804-4	1995-02		Method of test for paint components - Alcohol insoluble matter
	10880-5	K6804-5	1995-02		Method of test for paint components - Ash
	10880-6	K6804-6	1995-02		Method of test for paint components — Determination of water by the Karl Fischer method
	10880-7	K6804-7	1995-02		Method of test for paint components - Distillation
*	10880-8	K6804-8	1995-03		Method of test for paint components - Acid value
	10880-9	K6804-9	1995-03		Method of test for paint components - Unsaponifiable matter
	10880-10	K6804-10	1995-03		Method of test for paint components - Iodine value
	10880-11	K6804-11	1995-03		Method of test for paint components - Iodine chloride test
	10880-12	K6804-12	1996-03		Method of test for paint components (Qualitative test of phenol resin in solvent solubles)
	10880-13	K6804-13	1996-03		Method of test for paint components (Qualitative test of nitrocellulose in solvent solubles)
	10880-14	K6804-14	1996-03		Method of test for paint components (Quantitative test of phthalic anhydride in solvent solubles)
	10880-15	K6804-15	1996-03		Method of test for paint components (Quantitative test of nitrogen in solvent solubles)
	10880-16	K6804-16	1996-07		Method of test for paint components - Quantitative test of chlorine in resin content
	10880-17	K6804-17	1996-07		Method of test for paint components - Quantitative test of phosphoric acid
	10880-18	K6804-18	1996-07		Method of test for paint components - water soluble matter in solvent insolubles
	10880-19	K6804-19	1996-07		Method of test for paint components - pH value for extracted solution of solvent insolubles
	10880-20	K6804-20	1996-09		Method of test for paint components - Quantitative test of total lead in solvent insolubles
	10880-21	K6804-21	1996-09		Method of test for paint components — Quantitative test of lead oxide in solvent insolubles
	10880-22	K6804-22	1996-09		Method of test for paint components — Quantitative test of red lead in solvent insolubles
	10880-23	K6804-23	1996-09		Method of test for paint components — Quantitative test of calcium plumbate in solvent insolubles
	10880-24	K6804-24	1996-09		Method of test for paint components — Quantitative test of lead cyanide in solvent insolubles
	10880-25	K6804-25	1996-10		Method of test for paint components - Quantitative test of metallic zinc in solvent insolubles
	10880-26	K6804-26	1996-10		Method of test for paint components - Quantitative test of total zinc in solvent insolubles
	10880-27	K6804-27	1996-10		Method of test for paint components - Quantitative test of zinc oxide in solvent insolubles
	10880-28	K6804-28	1996-10		Method of test for paint components - Quantitative test of chromic anhydride in solvent insolubles
	10880-29	K6804-29	1997-03		Method of test for paint components — Quantitative test of iron (III) oxide in solvent insolubles
	10880-30	K6804-30	1997-03		Method of test for paint components — Quantitative test of titanium dioxide in solvent insolubles
	10880-31	K6804-31	1997-03		Method of test for paint components — Quantitative test of antimony

CNS no.	Category no.	Date of		Title
		Current edition		
				(III) oxide in solvent insolubles
10880-32	K6804-32	1997-03		Method of test for paint components — Quantitative test of aluminium in solvent insolubles
10880-33	K6804-33	1997-10		Method of test for paint components - Quantitative test of copper in paint
10880-34	K6804-34	1997-10		Method of test for paint components - Quantitative test of resin by infrared spectroscopic method
10880-35	K6804-35	1997-10		Method of test for paint components - Quantitative test of pigment in solvent insolubles by X-ray diffraction method
10880-36	K6804-36	1997-10		Method of test for paint components - Quality and quantity analysis of solvent by gas chromatography method
11113	K6805	1984-11		Method of test for moisture in graphite
11114	K6806	1984-11		Method of test for ash in graphite
11170	K6807	withdrawn		Method of test for potassium dichromate
11171	K6808	withdrawn		Method of test for magnesium silicate
11262	K6809	withdrawn		Method of test for chromated copper borate (wood preservatives) (→CNS 14495)
*	11286	K6810	withdrawn	Method of test for rigid acrylonitrile-butadiene-styrene (ABS) plastics
	11336	K6811	withdrawn	Method of Test for Polycarbonate Sheets (→CNS 11335)
*	11338	K6812	withdrawn	Method of test for acrylonitrile-butadiene-styrene sheets
	11340	K6813	withdrawn	Method of test for cellulose acetate sheet
	11364	K6814	1985-09	Method for determination of the unit cell dimension of a faujasite – Type zedite
	11365	K6815	1985-09	Method of test for relative zedite diffraction intensities
*	11367	K6816	1985-09	Method of test for decorative laminated sheet based on thermosetting resins
	11454	K6817	1985-12	Method of test for chrome tanning agents
	11455	K6818	1985-12	Method of Test for Adhesion of Finish to Leathers
	11477	K6819	withdrawn	Method of test for lacquer primer
	11478	K6820	withdrawn	Method of test for heat resistant paint (replaced by CNS 2949)
	11479	K6821	withdrawn	Method of test for water-base masonry paint
	11480	K6822	withdrawn	Method of test for solvent-base masonry paint
	11481	K6823	withdrawn	Method of test for aluminium paint(replaced by CNS 8706)
*	11490	K6824	withdrawn	Method of test for oleoresinous ready paint (replaced by CNS 11489)
	11507	K6825	withdrawn	Method of test for chrome oxide green pigment
	11539	K6826	withdrawn	Method of test for lustless enamel (Quick-drying)(replaced by CNS 1157)
	11540	K6827	withdrawn	Method of test for rust inhibiting enamel (Semi-gloss)
	11541	K6828	withdrawn	Method of test for oleoresinous varnish
	11542	K6829	withdrawn	Method of test for vinyl chloride resin enamel
	11543	K6830	withdrawn	Method of test for lacquer wood sealer
	11544	K6831	withdrawn	Method of test for lacquer sanding sealer
	11545	K6832	withdrawn	Method of test for polyurethane wood sealer (replaced by CNS 4942)
	11546	K6833	withdrawn	Method of test for polyurethane sanding sealer (replaced by CNS 4942)
	11547	K6834	withdrawn	Method of test for polyurethane clear coating (replaced by CNS 4942)
	11548	K6835	withdrawn	Method of test for baking primer
	11549	K6836	withdrawn	Method of test for lead-free coatings for toy (→CNS 4797、4797-2)
	11550	K6837	withdrawn	Method of test for alkyd resin baking enamel (replaced by CNS 1112)
	11558	K6838	withdrawn	Method of test for zinc chromate anticorrosive paint
	11559	K6839	withdrawn	Method of test for oil putty
	11560	K6840	withdrawn	Method of test for oil surfacer
	11561	K6841	withdrawn	Method of test for oil primer surfacer
	11562	K6842	withdrawn	Method of test for red-lead zinc chromate anticorrosive paint

## Chemical Industry

CNS no.	Category no.	Date of		Title
		Current edition		
11563	K6843	withdrawn		Method of test for anticorrosive primer for general use
11564	K6844	withdrawn		Method of test for lead suboxide anticorrosive paint
11565	K6845	withdrawn		Method of test for chlorinated rubber red lead anticorrosive primer
11566	K6846	withdrawn		Method of test for chlorinated rubber zinc chromate anticorrosive primer
11577	K6847	withdrawn		Method of test for chlorinated rubber LZI anticorrosive primer
11578	K6848	withdrawn		Method of test for chlorinated rubber red iron oxied anticorrosive primer
11579	K6849	withdrawn		Method of test for chlorinated rubber finish paint (replaced by CNS 4919)
11580	K6850	withdrawn		Method of test for vinyl chloride resin zinc chromate anticorrosive primer
11581	K6851	withdrawn		Method of test for vinyl chloride resin red lead anticorrosive primer
11582	K6852	1986-05		Method of Test for Epoxy Resin Non-Zinc Primer
11583	K6853	withdrawn		Method of test for epoxy resin zinc primer
11584	K6854	withdrawn		Method of test for inorganic zinc rich primer (Solvent type)
11585	K6855	withdrawn		Method of test for tar epoxy resin paints(replaced by CNS 4939)
11586	K6856	withdrawn		Method of test for oleoresinous bottom paint for wooden ship (Copper paint)
11587	K6857	1986-05		Method of test for oleoresinous boottopping paint for steel ship
11588	K6858	1986-05		Method of test for oleoresinous anticorrosive paint for steel ship bottom
11589	K6859	1986-05		Method of Test for Oleoresinous Antifouling Paint for Steel Ship Bottom
11590	K6860	1986-05		Method of test for oleoresinous topside paint for steel ship
11591	K6861	withdrawn		Method of test for oleoresinous red lead primer for steel ship
11592	K6862	1986-05		Method of test for oleoresinous zinc chromate primer for steel ship
11593	K6863	withdrawn		Method of test for chlorinated rubber anticorrosive paint steel ship
11594	K6864	withdrawn		Method of test for chlorinated rubber antifouling paint for steel ship
11595	K6865	withdrawn		Method of test for chlorinated rubber boottopping paint for steel ship
11596	K6866	withdrawn		Method of test for chlorinated rubber topside paint for steel ship
11597	K6867	withdrawn		Method of test for chlorinated rubber deck paint for steel ship
11598	K6868	withdrawn		Method of test for vinyl chloride resin anticorrosive paints for outside plating of steel ship
11599	K6869	withdrawn		Method of test for vinyl chloride resin antifouling paints for bottom of steel ship
11600	K6870	withdrawn		Method of test for vinyl chloride resin topside paint for steel ship
11601	K6871	withdrawn		Method of test for vinyl chloride resin boottopping paint for steel ship
11602	K6872	withdrawn		Method of test for vinyl chloride resin antifouling paint for bottom for wooden ship
11603	K6873	1986-05		Method of Test for Lacquer for Leather
11604	K6874	withdrawn		Method of test for clear lacquer
11605	K6875	withdrawn		Method of test for acrylic resin baking enamel (replaced by CNS 4933)
11606	K6876	withdrawn		Method of test for aminoalkyd resin enamel(replaced by CNS 4941)
11607	K6877	1995-11		Method of test for paints (Long-term properties of coated film)
*	11609	K6878	1986-05	Method of Test for Unplasticized Polyvinyl Chloride Pipes with Fiberglass Reinforced Plastic Reinforcement
11647	K6879	withdrawn		Method of test for glass-fiber - reinforced plastic pipe for sewer and industrial use (→CNS 11646)
11649	K6880	withdrawn		Method of test for glass-fiber - reinforced plastic pipe for water work (→CNS 11648)
*	11651	K6881	1986-08	Method of Test for Glassfiber Reinforced Plastic Electric Enclosure
*	11653	K6882	1986-08	Method of Test for Glassfiber Reinforced Plastic Lamp Pole
*	11655	K6883	1986-08	Method of Test for Glassfiber Reinforced Plastic Water Tank
*	11657	K6884	1986-08	Method of Test for Glassfiber Reinforced Plastic Chemical-Resistant Tank
*	11659	K6885	1993-07	Method of Test for Construction Parts of Glass Fiber Reinforced Plastic Septic Tank

Date of				
CNS no.	Category no.	Current edition	Title	
*	11661	K6886	withdrawn	Method of test for glassfiber reinforced plastic seats
*	11711	K6887	withdrawn	Method of test for rigid polyvinyl chloride sheets and films( replaced by CNS 3142-2 )
	11721	K6888	withdrawn	Method of test for retarder for lacquer
	11725	K6889	withdrawn	Method of test for white wood primer
*	11727	K6890	withdrawn	Method of test for shellac varnish and bleached shellac varnish
*	11730	K6891	withdrawn	Method of test for cashew resin surfacer
*	11732	K6892	withdrawn	Method of test for lacquer surfacer
*	11734	K6893	withdrawn	Methods of test for rubber threads
	11798	K6894	1986-12	Method of test for antifouling properties of steel ships' bottom paint
*	11800	K6895	withdrawn	Method of test for cashew resin varnish
*	11802	K6896	withdrawn	Method of test for cashew resin enamel
*	11804	K6897	withdrawn	Method of test for lacquer putty
*	11806	K6898	withdrawn	Method of test for cashew resin putty
*	11808	K6899	1986-12	Method of test for unsaturated polyester resin putty
*	11880	K6900	withdrawn	Method of test for rubber antioxidant TMDQ (Poly-2, 2, 4-trimethyl-1, 2-dihydroquinoline)
*	11882	K6901	withdrawn	Method of test for rubber antioxidant IPPD (N-isopropyl-N'-phenyl-p-phenylenediamine)
*	11883	K6902	withdrawn	Method of test for rubber antioxidant DNPD (N,N'-di-β-naphthyl p-phenylenediamine)
	11909	K6903	withdrawn	Method of test for plastic box for low voltage A.C. power meter ( → CNS 11908 )
	11945	K6904	withdrawn	Method of test for precipitated barium sulfate and ground barite (Pigment)
*	11947	K6905	withdrawn	Method of test for cashew resin primer
	11949	K6906	withdrawn	Method of test for colophonium
*	12002	K6907	1987-06	Method of test for phenol resin adhesives for wood
*	12004	K6908	1987-06	Method of test for casein glue
*	12006	K6909	withdrawn	Method of test for polyvinyl chloride-metal laminated sheets( replaced by CNS 12005 )
	12011	K6910	1987-07	Method of test for knock characteristics of motor fuels by the research method
	12012	K6911	2016-04	Test method for vapor pressure of petroleum products (Reid method)
	12013	K6912	2014-10	Method of test for lead in gasoline by atomic absorption spectrometry
	12014	K6913	2014-10	Method of test for oxidation stability of gasoline (Induction period method)
	12015	K6914	2014-10	Method of test for cloud point of petroleum products
	12016	K6915	2016-10	Method for calculated cetane index of distillate fuels
	12017	K6916	2016-03	Method of test for density, relative density (specific gravity), or API gravity of crude petroleum and liquid petroleum products (hydrometer method)
	12093	K6917	1987-09	Method of test for polyvinyl chloride corrugated sheet
	12127	K6918	1993-09	Methods of test for organic dyes intermediates
*	12130	K6919	withdrawn	Method of test for basic lead chromate anticorrosive paint
*	12132	K6920	withdrawn	Method of test for lead cyanamide anticorrosive paint
*	12134	K6921	withdrawn	Method of test for zinc dust anticorrosive paint
*	12136	K6922	withdrawn	Method of test for calcium plumbate anticorrosive paint
*	12138	K6923	withdrawn	Method of test for multicolor paints
*	12140	K6924	withdrawn	Method of test for phthalic resin varnish (replaced by CNS 12139)
*	12142	K6925	1987-10	Method of test for vinyl chloride resin varnish
*	12144	K6926	1987-10	Method of test for acrylic resin varnish
*	12146	K6927	withdrawn	Method of test for household varnish for floor
*	12148	K6928	withdrawn	Method of test for household paint for wood and metal
	12159	K6929	withdrawn	Method of test for iron blue (Pigment)
	12161	K6930	withdrawn	Method of test for luminous paints
	12163	K6931	withdrawn	Method of test for ester gum
	12165	K6932	withdrawn	Method of test for aluminum paste for paint

## Chemical Industry

CNS no.	Category no.	Date of		Title
		Current edition		
12189	K6933	withdrawn		Method of multicylinder test sequences for evaluating automotive engine oils - sequence II D test
12190	K6934	withdrawn		Method of multicylinder test sequences for evaluating automotive engine oils - sequence III D test
12191	K6935	withdrawn		Method of multicylinder test sequences for evaluating automotive engine oils - sequence VD test
12192	K6936	withdrawn		Method of test for predicting the borderline pumping temperature of engine oils
12193	K6937	withdrawn		Method of test for apparent viscosity of engine oils at low temperature
12194	K6938	withdrawn		Method of test for oxidation characteristics of crankcase lubricating oils – L38 test
12212	K6939	withdrawn		Method of test for thermal oxidation stability of gear lubricants
12213	K6940	withdrawn		Method of test for performance of gear lubricants in axles at high speed, low torque, followed by low speed, high torque
12214	K6941	withdrawn		Method of test for performance of gear lubricants in axles under high speed and shock loading
12215	K6942	withdrawn		Method of test for channeling characteristics of lubricants
12225	K6943	withdrawn		Method of test for benzyl chlonide
* 12227	K6944	withdrawn		Method of test for benzaldehyde
12229	K6945	withdrawn		Method of test for benzoic acid
12231	K6946	withdrawn		Method of test for phthalic anhydride
12260	K6947	withdrawn		Method of test for oxidation characteristics of extreme-pressure lubricating oils
12261	K6948	2022-08		Method of test for precipitation number of lubricating oils
12262	K6949	withdrawn		Method of test for oxidation characteristics of inhibited mineral oils
12263	K6950	withdrawn		Method of test for unsulphonated residue of summer oil
* 12265	K6951	1994-11		Method of Test for Aluminum Tri-Polyphosphate for Coating
* 12267	K6952	withdrawn		Method of test for alkyd resin aluminium tri-polyphosphate anticorrosive primer (replaced by CNS 12266)
* 12269	K6953	withdrawn		Method of test for epoxy resin aluminium tri-polyphosphate anticorrosive primer (replaced by CNS 12268)
* 12271	K6954	withdrawn		Method of test for chlorinated rubber aluminium tri- polyphosphate anticorrosive primer (replaced by CNS 12270)
12375	K6955	withdrawn		Method of test for extreme-pressure properties of lubricating fluids (Timken method)
12376	K6956	2016-03		Method of test for sulfur in petroleum products (lamp method)
12377	K6957	2022-09		Method of test for burning quality of kerosene
12378	K6958	withdrawn		Method of test for load-carrying capacity for lubricating oil (FZG gear machine method)
12482	K6959	withdrawn		Method of test for evaluating the performance of crankcase lubricants with single cylinder engine – Caterpillar 1H2 test method
12483	K6960	withdrawn		Method of test for evaluating the performance of crankcase lubricants with single cylinder engine – Caterpillar 1G2 test method
* 12494	K6961	1989-02		Method of Test for High Density Polyethylene Geomembrane for Sanitary Landfill
12511	K6962	1989-03		General rules for mass spectrometric analysis
12512	K6963	1989-03		General rules for analytical methods in high performance liquid chromatography
12615	K6964	1993-12		Method of test for oxidation stability of aviation fuels (Potential residue method)
12616	K6965	1989-10		Method of test for electrical conductivity of aviation and distillate fuels containing a static dissipator additive
12617	K6966	1989-10		Method of test for thermal oxidation stability of aviation turbine fuels (JFTOT Procedure)
12627	K6967	1989-11		General Rules for Tests for Thermal Ageing Properties of Thermoplastics in the Form of Sheet by Means of Ovens
12628	K6968	2019-08		Plastics and ebonite – Determination of indentation hardness by means of a durometer (Shore hardness)

CNS no.	Category no.	Date of		Title
		Current edition		
*	12699	K6969	1990-04	Method of Test for Unplasticized Polyvinyl Chloride Pipes for Raft
*	12720	K6970	1990-05	Method of Test for Polyethylene Shading Net for Agriculture Use
*	12722	K6971	1990-05	Method of Test for U-Shaped High Density Polyethylene Bag
	12761	K6972	2017-09	Method for calculated cetane index of distillate fuels by four variable equation
	12762	K6973	2000-10	Method of test for lead in gasoline by X-ray spectrometry
	12763	K6974	withdrawn	Method for separation of tetraethyllead and tetramethyllead in gasoline
	12776	K6975	1990-09	General Rules for Methods of Test for Glass Fiber Reinforced Plastics
	12777	K6976	1990-09	Method of Test for Fiber Content of Glass Fiber Reinforced Plastics
	12778	K6977	1990-09	Method of Test for Void Content of Glass Fiber Reinforced Plastics
	12779	K6978	withdrawn	Method of test for tensile properties of glass fiber reinforced plastics
	12780	K6979	2009-07	Method of test for flexural properties of glass fiber reinforced plastics
	12781	K6980	1990-09	Method of Test for Compressive Properties of Glass Fiber Reinforced Plastics
	12782	K6981	1990-09	Method of Test for Apparent Interlaminar Shear Strength of Glass Fiber Reinforced Plastics
	12783	K6982	1990-09	Method of Test for Transverse Shear Strength of Glass Fiber Reinforced Plastics
	12784	K6983	1990-09	Method of Test for In-Plane Shear Properties of Glass Fiber Reinforced Plastics
	12785	K6984	1990-09	Method of Test for Barcol Hardness of Glass Fiber Reinforced Plastics
*	12836	K6985	withdrawn	Method of test for polyethylene pipes for natural gas supply
*	12844	K6986	1991-03	Method of Test for Chlorosulfonated Polyethylene Rubber Supported Geomembrane for Landfill
*	12877	K6987	withdrawn	Method of test for crosslinked polyethylene-aluminum-crosslinked polyethylene pipes for water works
	12952	K6988	1992-01	Method for sampling liquefied petroleum (LP) gases
	12953	K6989	2017-04	Method of test for density or relative density of light hydrocarbons – Pressure hydrometer
*	13024	K6990	1996-05	Method of Test for Glass-Fiber-Reinforced Plastic Panel Water Tank
*	13026	K6991	1992-09	Method of Test for Glass-Fiber-Reinforced Plastic Underground Petroleum Storage Tank
	13062	K6992	1992-11	Methods of Test for Prepreg of Carbon Fiber and Epoxy Resins
	13063	K6993	1992-11	General rules for methods of test for epoxy resins and hardeners
	13064	K6994	1992-11	Methods of test for specific gravity of epoxy resins and hardeners
	13065	K6995	1992-11	Methods of test for viscosity of epoxy resins and hardeners
	13066	K6996	1992-11	Methods of test for softening point of epoxy resins
	13067	K6997	1992-11	Methods of test for epoxy equivalent of epoxy resins
*	13068	K6998	1992-11	Methods of test for total amine values of amine - based hardeners of epoxy resins
	13069	K6999	1992-11	Methods of test for non - volatile matter in solvent - diluted epoxy resins
*	13139	K61000	withdrawn	Method of test for carbon black (Pigment)
	13157	K61001	withdrawn	Method of test for high density polyethylene-aluminum-high density polyethylene composite pipes for water works (→ CNS 13156)
*	13159	K61002	1995-10	Method of Test for Acrylonitrile-Butadiene-Styrene (ABS) Plastic Pipes for Water Works
*	13182	K61003	withdrawn	Method of test for motor vehicle brake fluid(replaced by CNS 261)
*	13183	K61004	withdrawn	Method of test for undissolved water in aviation turbine fuels (replaced by CNS 4446)
	13275	K61005	2019-09	Method of test for analysis of natural gas by gas chromatography
	13276	K61006	withdrawn	Method of test for water vapor content of gaseous fuels by measurement of dew-point temperature
	13277	K61007	withdrawn	Method of test for cold filter plugging point of distillate fuels (replaced

## Chemical Industry

CNS no.	Category no.	Date of		Title
		Current edition		
				by CNS 15061)
13289	K61008	2021-03		Method of test for freezing point of aviation fuels
13290	K61009	1993-12		Method of test for estimation of hydrogen content of aviation fuels
13291	K61010	withdrawn		Method of test for copper in aviation turbine fuels
13332	K61011	1994-01		Method of Test for Rookwell Hardness of Plastics
13333	K61012	withdrawn		Method of test for the density and specific gravity of plastics
13333-1	K61012-1	2015-10		Plastics – Methods for determining the density of non-cellular plastics – Part 1: Immersion method, liquid pycnometer method and titration method
13333-2	K61012-2	2015-10		Plastics – Methods for determining the density of non-cellular plastics – Part 2: Density gradient column method
13333-3	K61012-3	2015-10		Plastics – Methods for determining the density of non-cellular plastics – Part 3: Gas pycnometer method
*	13334	K61013	1994-01	Method of IZOD Impact Test for Rigid Plastics
	13335	K61014	1994-01	Method of Test for Dart Impact Resistance of Plastic Films and Sheets
	13336	K61015	withdrawn	Method of test for tensile properties of plastic films and sheets
	13345	K61016	1994-02	Method of Test for Rigid Acrylonitrile - Butadiene - Styrene (ABS) Compounds for Pipes and Fittings
	13347	K61017	1994-02	Method of Test for Acrylonitrile - Butadiene - Styrene (ABS) Plastic Fittings for Water Works
	13423	K61018	1994-08	Method of Test for Steel Cord Conveyor Belts
*	13429	K61019	1994-08	Method of test for flash point by tag closed tester
	13443	K61020	withdrawn	Method of test for household paint for interior wall
	13455	K61021	1994-12	Method of Test for Glassfiber Reinforced Plastic Underground Petroleum Pipes and Fittings
	13475	K61022	1995-01	Method of Test for Acrylonitrile - Butadiene - Styrene (ABS) Plastic Pipes and Fittings for Chemical Industrial and General Uses
	13497	K61023	withdrawn	Method of test for unplasticized polyvinyl chloride pipes with polyethylene lining for water works (→CNS 13496)
*	13507	K61024	1995-03	Methods of Test for Glass - Fiber - Reinforced Plastic Pipe Fittings
	13547	K61025	withdrawn	Method of test for polymethyl methacrylate moulding materials (replaced by CNS 13546-1 & CNS 13546-2)
	13552	K61026	withdrawn	Method of Test for Fire-retardant Paints for Buildings (→CNS 13552)
	13553	K61027	1995-07	Method of Test for Carbon Fibers
*	13554	K61028	1995-07	Method of Test for Carbon Fiber Woven Fabrics
*	13555	K61029	withdrawn	Method of test for tensile properties of carbon fiber reinforced plastics
*	13556	K61030	1995-07	Method of Test for Flexural Properties of Carbon Fiber Reinforced Plastics
*	13557	K61031	1995-07	Method of Test for Fiber Content and Void Content of Carbon Fiber Reinforced Plastics
*	13558	K61032	1995-07	Method of Test for Compressive Properties of Carbon Fiber Reinforced Plastic
	13559	K61033	1995-07	Method of Test for Apparent Interlaminar Shear Strength of Carbon Fiber Reinforced Plastics
*	13590	K61034	1995-10	Method of Test for Plastic Flammability - Oxygen Index Method
*	13747	K61035	1996-07	Method of Test for Unplasticized Polyvinyl Chloride Pipes with Polyethylene Lining for Wastewater and General Uses
*	13784	K61036	1996-10	General Rules for Testing Impact Strength of Rigid Plastic by the Falling Weight Method
*	13786	K61037	1996-11	Method of Test for Brittleness Temperature of Plastics
*	13787	K61038	1996-11	Methods of Test for Tear Resistance of Plastic Films and Sheets
*	13788	K61039	1996-11	Methods of Test for Water Vapor Transmission Rate of Plastic Films and Sheets (Instrument Method)
*	13872	K61040	1997-05	Method of test for polyvinyl chloride lining sheets for anti-corrosion
	13873	K61041	withdrawn	Method of test for kauri-butanol value of hydrocarbon solvents
	13874	K61042	1997-05	Method of test for determination of nickel, sodium and vanadium –



CNS no.	Category no.	Date of		Title
		Current edition		
13875	K61043	1997-05		Atomic absorption spectroscopy method Method of test for aluminum and silicon in fuel oils by ashing, fusion, inductively coupled plasma atomic emission spectrometry and atomic absorption spectrometry
13876	K61044	1997-05		Method of test for swelling of lubricants on synthetic rubbers
13877	K61045	2016-01		Test method for sulfur in petroleum products by wavelength dispersive X-ray fluorescence spectrometry
13923	K61046	1997-06		Method of test for thickness of plastic film and sheeting
13955	K61047	1997-10		Method of test for reaction of petroleum products
14116	K61048	1998-02		Method of test for trace quantities of sulfur in light liquid petroleum hydrocarbons by oxidative microcoulometry
14185	K61049	1998-08		Method of test for toughness and tenacity of bituminous materials
14186	K61050	1998-08		Method of test for viscosity determination of unfilled asphalt using the Brookfield therosel apparatus
14242	K61051	1998-09		Method of test for peroxide number of aviation turbine fuels
14243	K61052	1998-09		Method of test for smoke point of kerosine and aviation turbine fuel
14247	K61053	1998-10		Method of test for naphthalene hydrocarbons in aviation turbine fuels by ultraviolet spectrophotometry
14248	K61054	2018-08		Method of test for apparent viscosity of emulsified bitumen residues and non-Newtonian bitumens by vacuum capillary viscometer
14249	K61055	2022-08		Method of test for kinematic viscosity of asphalts
14250	K61056	2022-08		Method of test for effect of heat and air on a moving film of asphalts (rolling thin-film oven test)
14297	K61057	2019-09		Method for determination of MTBE, ETBE, TAME, DIPE, tertiary-amy alcohol and C1 to C4 alcohols in gasoline – Gas chromatography
14298	K61058	1999-01		Method of test for determination of benzene, toluene, ethylbenzene, p/m-xylene, o-xylene, C <sub>9</sub> and heavier aromatics, and total aromatics in finished gasoline by gas chromatography
14432	K61059	withdrawn		Method for determination of the ultimate aerobic biodegradability of plastic materials under controlled composting conditions – Method by analysis of evolved carbon dioxide – Part 1: General method
14432-1	K61059-1	2019-10		Determination of the ultimate aerobic biodegradability of plastic materials under controlled composting conditions – Method by analysis of evolved carbon dioxide – Part 1: General method
14432-2	K61059-2	2019-10		Determination of the ultimate aerobic biodegradability of plastic materials under controlled composting conditions – Method by analysis of evolved carbon dioxide – Part 2: Gravimetric
14433	K61060	2022-06		Determination of the ultimate aerobic biodegradability of plastic materials in an aqueous medium – Method by measuring the oxygen demand in a closed respirometer
14470	K61061	2000-10		Method of test for lead in gasoline by iodine monochloride method
14471	K61062	2017-04		Method of test for sulfur in petroleum products – High temperature combustion and IR detection
14472	K61063	2000-10		Method of test for sulfur in petroleum products by energy-dispersive X-ray fluorescence spectrometry
14473	K61064	2000-10		Method of test for flash point by small scale closed tester
14474	K61065	2000-10		Method of test for density and relative density of liquids by digital density meter
14475	K61066	2000-10		Method of test for estimation of net heat of combustion of aviation fuels
14476	K61067	2017-06		Method of test for sulfur in petroleum gas – Oxidative microcoulometry
14477	K61068	2000-10		Method of test for determination of carbon residue (Micro method)
14478	K61069	2019-11		Determination of the ultimate aerobic biodegradability of plastic materials in an aqueous medium – Method by analysis of evolved carbon dioxide
14505	K61070	2001-01		Method of test for total sulfur in light hydrocarbons, motor fuels and

## Chemical Industry

CNS no.	Category no.	Date of		Title
		Current edition		
				oils by ultraviolet fluorescence
14506	K61071	2001-01		Method of test for pour point of petroleum products (Automatic pressure pulsing method)
* 14535	K61072	2001-05		Method of test for flammability of plastic material
14560	K61073	2001-06		Method of test for determination of aromatics in finished gasoline by gas chromatography
14561	K61074	2001-06		Method of test for determination of benzene and toluene in finished motor and aviation gasoline by gas chromatography
14605	K61075	2001-12		Method of test for congealing point of petroleum waxes, including petrolatum
14627	K61076	2002-03		Method of test for determination of oxygenates in gasoline by gas chromatography and oxygen selective flame ionization detection
14628	K61077	2002-03		Method of test for vapor pressure of gasoline and gasoline-oxygenate blends (Dry method)
14638	K61078	2002-05		Methods of test for total organic carbon in highly purified water
14639	K61079	2002-05		Methods of test for electric conductivity in highly purified water
14640	K61080	2002-05		Methods of test for metallic elements in highly purified water
14641	K61081	2002-05		Methods of test for silica in highly purified water
14642	K61082	2002-05		Methods of test for anions in highly purified water
14665	K61083	2019-02		Method of test for the determination of sulfur compounds in natural gas and gaseous fuels – Gas chromatography and chemiluminescence
14666	K61084	2002-08		Method of test for vapor pressure of petroleum products (Mini method)
14667	K61085	2002-08		Method of test for pour point of petroleum products (Automatic tilt method)
14668	K61086	2002-08		Method of test for freezing point of aviation fuels (Automatic phase transition method)
14669	K61087	2002-08		Method of test for acidity in aviation turbine fuel
14670	K61088	2002-08		Method of test for measurement of lubricity of aviation turbine fuels by the ball-on-cylinder lubricity evaluator (BOCLE)
14717	K61089	2017-10		Method for calculation of physical properties of liquefied petroleum gases from compositional analysis
14718	K61090	2003-04		Method of test for hydrogen sulfide in liquefied petroleum (LP) gases (Lead acetate method)
14719	K61091	2016-01		Method of test for dryness of propane (valve freeze method)
14745	K61092	2003-06		Method of test for sulfur in petroleum products by hydrogenolysis and rateometric colorimetry
14746	K61093	2003-06		Method of test for determining water separation characteristics of aviation turbine fuels by portable separator
14765	K61094	2003-09		Standard practice for calculating heat value, compressibility factor, and relative density of gaseous fuels
14766	K61095	2003-09		Method of test for water and sediment in middle distillate fuels by centrifuge
14772	K61096	2003-10		Methods of test for aromatics in mineral spirits by gas chromatography
14783	K61097	2003-11		Method of test for benzene in hydrocarbon solvents by gas chromatography
14784	K61098	2003-11		Method of test for benzene in hydrocarbon solvents by capillary gas chromatography
14818	K61099	2004-04		Method of test for density of smoke generated by solid materials – specific optical method of vertical type
14819	K61100	2004-04		Method of test for surface flammability of materials using a radiant heat energy source
14820	K61101	2004-04		Method of test for measuring toxic gases generated by solid material flammability – Gas detector tube
14824	K61102	2004-06		Method of test for detailed analysis of petroleum naphthas through n-nonane by capillary gas chromatography
14830	K61103	2004-07		Method of test for distillation range of volatile organic liquid

CNS no.	Category no.	Date of		Title
		Current edition		
14831	K61104	2004-07		Method of test for oxygenates and paraffin,olefin,naphthene,aromatic ( O-PONA ) hydrocarbon types in low-olefin spark ignition engine fuels by gas chromatography
14860	K61105	2004-09		Method of test for vapor pressure of petroleum products (mini method - atmospheric)
14861	K61106	2004-09		Method of test for total olefins in spark-ignition engine fuels by multidimensional gas chromatography
14862	K61107	2004-09		Method of test for sulfur in gasoline by wavelength dispersive X-ray fluorescence
14902	K61108	2005-02		Essential oils ( containing tertiary alcohols ) - Evaluation of alcohols content by determination of ester value after cold formylation
14903	K61109	2005-02		Essential oils - Determination of ester value of oils containing difficult-to-saponify esters
14904	K61110	2005-02		Essential oils - General guidance on the determination of flashpoint
14906	K61111	2005-03		Method of test for acid number of petroleum products by potentiometric titration
14922	K61112	2005-05		Essential oils - Analysis by gas chromatography on packed columns - General method
14923	K61113	2005-05		Essential oils - Analysis by gas chromatography on capillary columns - General method
14924	K61114	2005-05		Essential oils - Analysis by high performance liquid chromatography - General method
14936	K61115	2022-08		Standard practice for sampling asphalt materials
14937	K61116	2005-07		Method of test for effects of heat and air on asphaltic materials (Thin-film oven test)
14938	K61117	2005-07		Method of test for viscosity of asphalts by vacuum capillary viscometer
14939	K61118	2005-07		Standard practice for determining asphalt volume correction to a base temperature
14943	K61119	2005-09		Essential oils - General guidance on chromatographic profiles - Part 1 : Preparation of chromatographic profiles for presentation in standards
14944	K61120	2005-09		Essential oils - General guidance on chromatographic profiles - Part 2 : Utilization of chromatographic profiles of samples of essential oils
14949	K61121	2005-10		Method of test for determination of individual components in spark ignition engine fuels by 100 metre capillary (with precolumn) high-resolution gas chromatography
15018	K61122	2006-08		Method of test for determination of free and total glycerine in B-100 biodiesel methyl esters by gas chromatography
15019	K61123	2006-08		Method of test for determination of additive elements in lubricating oils by inductively coupled plasma atomic emission spectrometry
15020	K61124	2019-09		Method of test for distillation of petroleum products at reduced pressure
15039-1	K61125-1	2011-07		Paints and varnishes - Determination of volatile organic compound (VOC) content - Part 1: Difference method
15039-2	K61125-2	2019-11		Paints and varnishes – Determination of volatile organic compound (VOC) content – Part 2: Gas-chromatographic method
15040	K61126	2006-10		Paints and varnishes - Determination of the volatile organic compound content of low - VOC emulsion paints (in-can VOC)
15051	K61127	2007-01		Fat and oil derivatives - Fatty acid methyl esters (FAME) - Determination of ester and linolenic acid methyl ester contents
15052	K61128	2007-01		Biodiesel - Fatty acid methyl esters (FAME) - Determination of sodium content by atomic absorption spectrometry
15053	K61129	2007-01		Biodiesel - Fatty acid methyl esters (FAME) - Determination of potassium content by atomic absorption spectrometry
15054	K61130	2011-03		Fat and oil derivatives – Fatty acid methyl esters (FAME) – Determination of Ca, K, Mg and Na content by optical emission spectral analysis with inductively coupled plasma (ICP OES)

## Chemical Industry

CNS no.	Category no.	Date of		Title
		Current edition		
15055	K61131	2007-01		Liquid petroleum products determination of contamination in middle distillates
15056	K61132	2007-01		Fat and oil derivatives - Fatty acid methyl esters (FAME) - Determination of oxidation stability (accelerated oxidation test)
15057	K61133	2008-09		Liquid petroleum products - Determination of fatty acid methyl esters (FAME) in middle distillates - Infrared spectroscopy method
15058	K61134	2007-01		Biodiesel - Fatty acid methyl esters (FAME) - Determination of phosphorous content by inductively coupled plasma (ICP) emission spectrometry
15059	K61135	2007-01		Liquid petroleum products - Separation and characterization of fatty acid methyl esters (FAME) from middle distillates - Liquid chromatography (LC) / gas chromatography (GC) method
15060	K61136	2007-01		Biodiesel - Fatty acid methyl esters (FAME) - Determination of iodine value
15061	K61137	2007-01		Diesel and domestic heating fuels - Determination of cold filter plugging point
15062	K61138	2007-01		Paints and varnishes - Testing of formaldehyde-emitting coatings and melamine foams - Determination of the steady-state concentration of formaldehyde in a small test chamber
15063	K61139	2007-01		Test method for determination of free formaldehyde in emulsion polymers by liquid chromatography
15074	K61140	2019-09		Method of test for evaluating lubricity of diesel fuels – High-frequency reciprocating rig (HFRR)
15078	K61141	2007-05		Method of test for determination of the oxidation stability of middle distillate fuels
15079	K61142	2007-05		Method of test for determination of aromatic hydrocarbon types in middle distillates - High performance liquid chromatography method with refractive index detection
15080	K61143	2022-04		Maximum volatile organic compound content limit value for architectural coatings
15087	K61144	2007-06		Method of test for determination of ethanol content of denatured fuel ethanol by gas chromatography
15088	K61145	2007-06		Method of test for water in organic liquid by coulometric Karl Fischer titration
15089	K61146	2007-06		Method of test for acidity in volatile solvents and chemical intermediates used in paint, varnish, lacquer, and related products
15090	K61147	2011-03		Method of test for determination of pH of ethanol, denatured fuel ethanol, and fuel ethanol
15101	K61148	2018-07		Rubber – General procedures for preparing and conditioning test pieces for physical test methods
15110	K61149	2007-06		Method of test for hydrocarbon types, oxygenated compounds and benzene in spark ignition engine fuels by multi-dimensional gas chromatography
15111	K61150	2007-06		Methods of test for electrical conductivity and resistivity of water
15112	K61151	2007-06		Method of test for determination of olefin content of gasolines by supercritical-fluid chromatography
15200-1-1	K61152-1-1	2007-08		Testing methods for paints - Part 1-1 : General rule - General test methods (conditions and methods)
15200-1-2	K61152-1-2	2018-07		Method of test for coatings – Part 1-2: General rule – Sampling
15200-1-3	K61152-1-3	2018-07		Method of test for coatings – Part 1-3: General rule – Examination and preparation of test samples
15200-1-4	K61152-1-4	2007-10		Testing methods for paints - Part 1-4 : General rule - Standard panels for testing
15200-1-5	K61152-1-5	2007-10		Testing methods for paints - Part 1-5 : General rule - Coating of test panel (brush application)
15200-1-6	K61152-1-6	2007-10		Testing methods for paints - Part 1-6: General rule - Temperatures and humidities for conditioning and testing
15200-1-7	K61152-1-7	2022-11		Method of test for coatings – Part 1-7: General rule – Determination of film thickness

CNS no.	Category no.	Date of		Title
		Current edition		
15200-1-8	K61152-1-8	2007-10		Testing methods for paints - Part 1-8 : General rule - Reference sample
15200-2-1	K61152-2-1	2018-08		Method of test for coatings – Part 2-1: Characteristics and stability of coatings – Gardner colour scale
15200-2-2	K61152-2-2	2018-08		Method of test for coatings – Part 2-2 : Characteristics and stability of coatings – Viscosity
15200-2-3	K61152-2-3	2018-08		Method of test for coatings – Part 2-3 : Characteristics and stability of coatings – Density
15200-2-4	K61152-2-4	2018-08		Method of test for coatings – Part 2-4 : Characteristics and stability of coatings – Fineness of grind
15200-2-5	K61152-2-5	2008-07		Methods of test for paints - Part 2-5 : Characteristics and stability of paints - Pot life
15200-2-6	K61152-2-6	2008-07		Methods of test for paints - Part 2-6: Characteristics and stability of paints - Storage stability
15200-3-1	K61152-3-1	2009-06		Method of test for paints – Part 3-1: Film formability of paints – Assessment of natural spreading rate (Brush application)
15200-3-2	K61152-3-2	2019-09		Method of test for coatings – Part 3-2: Film formability of coatings – Surface-drying test (Ballotini method)
15200-3-3	K61152-3-3	2019-09		Method of test for coatings – Part 3-3: Film formability of coatings – Through-dry
15200-3-4	K61152-3-4	2009-06		Method of test for paints – Part 3-4: Film formability of paints – Evaluation of the compatibility of product with a surface to be painted
15200-3-5	K61152-3-5	2019-09		Method of test for coatings – Part 3-5: Film formability of coatings – Pressure test for stackability
15200-3-6	K61152-3-6	2019-09		Method of test for coatings – Part 3-6: Film formability of coatings – Print-free test
15200-4-1	K61152-4-1	2010-05		Methods of test for paints – Part 4-1: Visual characteristics of film – Hiding power
15200-4-2	K61152-4-2	2010-05		Methods of test for paints – Part 4-2: Visual characteristics of film – Visual comparison of the colour of paints
15200-4-3	K61152-4-3	2010-05		Methods of test for paints – Part 4-3: Visual characteristics of film – Colorimetry (Principles)
15200-4-4	K61152-4-4	2010-05		Methods of test for paints – Part 4-4: Visual characteristics of film – Colorimetry (Measurement)
15200-4-5	K61152-4-5	2010-05		Methods of test for paints – Part 4-5: Visual characteristics of film – Colorimetry (Calculation of colour differences)
15200-4-6	K61152-4-6	2010-05		Methods of test for paints – Part 4-6: Visual characteristics of film – Specular gloss
15200-5-1	K61152-5-1	2010-05		Methods of test for paints – Part 5-1: Mechanical property of film – Bend test (Cylindrical mandrel)
15200-5-2	K61152-5-2	2010-05		Methods of test for paints – Part 5-2: Mechanical property of film – Cupping test
15200-5-3	K61152-5-3	2010-05		Methods of test for paints – Part 5-3: Mechanical property of film – Impact resistance test
15200-5-4	K61152-5-4	2010-05		Methods of test for paints – Part 5-4: Mechanical property of film – Scratch hardness (Pencil method)
15200-5-5	K61152-5-5	2010-05		Methods of test for paints – Part 5-5: Mechanical property of film – Scratch hardness (Stylus method)
15200-5-6	K61152-5-6	2010-05		Methods of test for paints – Part 5–6: Mechanical property of film – Adhesion test (Cross – cut test)
15200-5-7	K61152-5-7	2010-05		Methods of test for paints – Part 5-7: Mechanical property of film – Adhesion test (Pull-off methods)
15200-5-8	K61152-5-8	2010-05		Methods of test for paints – Part 5-8: Mechanical property of film – Abrasion resistance (Rotating abrasive – paper – covered wheel method)
15200-5-9	K61152-5-9	2010-05		Methods of test for paints – Part 5–9: Mechanical property of film – Abrasion resistance (Rotating abrasive rubber wheel method)

## Chemical Industry

CNS no.	Category no.	Date of		Title
		Current edition		
15200-5-10	K61152-5-10	2010-05		Methods of test for paints – Part 5–10: Mechanical property of film – Abrasion resistance (Reciprocating test panel method)
15200-5-11	K61152-5-11	2010-05		Methods of test for paints – Part 5-11: Mechanical property of film – Wet-scrub resistance and cleanability
15200-6-1	K61152-6-1	2010-09		Methods of test for paints – Part 6-1: Chemical property of film – Resistance to liquids
15200-6-2	K61152-6-2	2010-09		Methods of test for paints – Part 6-2: Chemical property of film – Resistance to water
15200-6-3	K61152-6-3	2010-09		Methods of test for paints – Part 6-3: Chemical property of film – The effect of heat
15200-7-1	K61152-7-1	2013-01		Methods of test for paints – Part 7-1: Long-period performance of film-Resistance to neutral salt spray
15200-7-2	K61152-7-2	2013-01		Methods of test for paints – Part 7-2: Long-period performance of film-Resistance to humidity(Continuous condensation)
15200-7-3	K61152-7-3	2013-01		Methods of test for paints – Part 7-3: Long-period performance of film-Resistance to humidity(Intermittent condensation)
15200-7-4	K61152-7-4	2013-01		Methods of test for paints – Part 7-4 : Long-period performance of film-Humidity and cool-heat cycling test
15200-7-5	K61152-7-5	2013-01		Methods of test for paints – Part 7-5 : Long-period performance of film-Natural weathering
15200-7-6	K61152-7-6	2013-01		Methods of test for paints – Part 7-6 : Long-period performance of film-Artificial weathering and exposure to artificial radiation(Exposure to filtered xenon-arc radiation)
15200-7-7	K61152-7-7	2013-01		Methods of test for paints – Part 7-7 : Long-period performance of film – Accelerated weathering(Exposure to fluorescent UV lamps and water)
15200-7-8	K61152-7-8	2013-01		Methods of test for paints – Part 7-8 : Long-period performance of film-Determination of resistance to cyclic corrosion conditions – Saltfog/dry/humidity
15200-8-1	K61152-8-1	2013-01		Methods of test for paints – Part 8-1: Evaluation of degradation of paint coatings –General principles and rating schemes
15200-8-2	K61152-8-2	2013-01		Methods of test for paints – Part 8-2: Evaluation of degradation of paint coatings – Designation of degree of blistering
15200-8-3	K61152-8-3	2013-01		Methods of test for paints – Part 8-3: Evaluation of degradation of paint coatings – Designation of degree of rusting
15200-8-4	K61152-8-4	2013-01		Methods of test for paints – Part 8-4: Evaluation of degradation of paint coatings – Designation of degree of cracking
15200-8-5	K61152-8-5	2013-01		Methods of test for paints – Part 8-5: Evaluation of degradation of paint coatings – Designation of degree of flaking
15200-8-6	K61152-8-6	2013-01		Methods of test for paints – Part 8-6: Evaluation of degradation of paint coatings – Rating of degree of chalking (tape method)
15200-9-1	K61152-9-1	2013-09		Methods of test for paints – Part 9-1 : Coating powders – Determination of gel time of thermosetting coating powders at a given temperature
15200-9-2	K61152-9-2	2013-09		Methods of test for paints – Part9-2 : Coating powders – Inclined-plane flow test
15200-9-3	K61152-9-3	2013-09		Methods of test for paints – Part9-3 : Coating powders – Particle size analysis by laser diffraction
15123	K61153	2007-09		Paints and varnishes - Determination of total lead - Flame atomic absorption spectrometric method
15124	K61154	2007-09		Liquid hydrogen - Land vehicle fuelling system interface
15129	K61155	2007-09		Method of test for water tolerance (phase separation) of gasoline-alcohol blends
15202	K61156	2008-09		Oils of sassafras and nutmeg - Determination of safrole and cis- and trans-isosafrole content - Gas chromatographic method on packed columns
15203	K61157	2008-09		Oils of bergamot, lemon, citron and lime, fully or partially reduced in bergapten - Determination of bergapten content by high-pressure liquid chromatography (HPLC)

CNS no.	Category no.	Date of		Title
		Current edition		
15231	K61158	2009-01		Oil of citrus – Determination of CD value by ultraviolet spectrometric analysis
15232	K61159	2009-01		Oils of lemon and petitgrain citronnier, and oil of lime obtained by a mechanical process – Determination of citral (neral + geranial) content (Gas chromatographic method on capillary columns)
15262	K61160	2019-11		Determination of the degree of disintegration of plastic materials under defined composting conditions in a pilot-scale test
15274	K61161	2009-07		Equipment for water supply service – Method of test for effect to water quality
15289	K61163	2016-11		Determination of the aromaticity of oil in vulcanized rubber compounds
15318	K61164	2010-03		Determination of the long-term hydrostatic strength of thermoplastics materials in pipe form by extrapolation
15319-1	K61165-1	2010-02		Sodium hydroxide for industrial use – Part 1: Determination of specific gravity or density
15319-2	K61165-2	2010-02		Sodium hydroxide for industrial use – Part 2: Determination of total alkalinity, sodium hydroxide and sodium carbonate
15319-3	K61165-3	2010-02		Sodium hydroxide for industrial use – Part 3: Determination of chlorides
15319-4	K61165-4	2010-02		Sodium hydroxide for industrial use – Part 4: Determination of sodium sulfate content
15319-5	K61165-5	2010-06		Sodium hydroxide for industrial use – Part 5: Determination of silicon content – Inductively coupled plasma optical emission spectrophotometry
15319-6	K61165-6	2010-06		Sodium hydroxide for industrial use – Part 6: Determination of iron content – Atomic absorption spectrometry and inductively coupled plasma optical emission spectrophotometry
15319-7	K61165-7	2010-06		Sodium hydroxide for industrial use – Part 7: Determination of aluminum content
15319-8-1	K61165-8-1	2010-06		Sodium hydroxide for industrial use – Part 8-1: Determination of calcium content – Flame atomic absorption spectrometry
15319-8-2	K61165-8-2	2010-06		Sodium hydroxide for industrial use – Part 8-2: Determination of calcium content – Inductively coupled plasma optical emission spectrophotometry
15319-9-1	K61165-9-1	2010-06		Sodium hydroxide for industrial use – Part 9-1: Determination of magnesium content – Flame atomic absorption spectrometry
15319-9-2	K61165-9-2	2010-06		Sodium hydroxide for industrial use – Part 9-2: Determination of magnesium content – Inductively coupled plasma optical emission spectrophotometry
15319-10	K61165-10	2010-06		Sodium hydroxide for industrial use – Part 10: Determination of manganese content
15320	K61166	2010-03		Determination of the ultimate anaerobic biodegradation of plastic materials in an aqueous system – Method by measurement of biogas production
15361	K61167	2010-05		Determination of the ultimate anaerobic biodegradation and disintegration under high-solids anaerobic-digestion conditions of plastics – Method by analysis of released biogas
15362	K61168	2019-11		Determination of the degree of disintegration of plastic materials under simulated composting conditions in a laboratory-scale test
15363	K61169	2010-05		Determination of the ultimate aerobic biodegradability of plastics in soil by measuring the oxygen demand in a respirometer or the amount of carbon dioxide evolved
15375	K61170	2010-07		Petroleum products – Test method for free water in liquefied petroleum gas by visual inspection
15388	K61171	2021-12		Methods of measuring rolling resistance for passenger car, truck and bus tyres – Single point test and correlation of measurement results
15389	K61172	2010-09		Leather – Physical and mechanical tests – Determination of tear load – Double edge tear

## Chemical Industry

CNS no.	Category no.	Date of		Title
		Current edition		
15372	K61173	2016-03		Method of test for total volatile sulfur in gaseous hydrocarbons and liquefied petroleum gases by ultraviolet fluorescence
15373	K61174	2010-07		Liquefied petroleum gases – Determination of dissolved residues (High-temperature gravimetric method)
15374	K61175	2010-07		Liquefied petroleum gases – Determination of dissolved residues (High-temperature gas chromatographic method)
15461	K61176	2011-03		Method of test for sulfur in gasoline and diesel fuel by monochromatic wavelength dispersive X-ray fluorescence spectrometry
15470	K61177	2011-03		Petroleum products and fat and oil derivatives – Fatty acid methyl esters (FAME) for diesel engines – Determination of polyunsaturated ( $\geq 4$ double bonds) fatty acid methyl esters (PUFA) by gas
15471	K61178	2011-03		Automotive fuels – Fatty acid methyl ester (FAME) fuel and blends with diesel fuel – Determination of oxidation stability by accelerated oxidation method
15486-1	K61179-1	2011-08		Leather – Chemical tests – Determination of chromic oxide content – Part 1: Quantification by titration
15486-2	K61179-2	2011-08		Leather – Chemical tests – Determination of chromic oxide content – Part 2: Quantification by colorimetric determination
15486-3	K61179-3	2011-08		Leather – Chemical tests – Determination of chromic oxide content – Part 3: Quantification by atomic absorption spectrometry (AAS)
15486-4	K61179-4	2011-08		Leather – Chemical tests – Determination of chromic oxide content – Part 4: Quantification by inductively coupled plasma – optical emission spectrometer (ICP-OES)
15524-1	K61180-1	2011-12		Plastics – Determination of ash – Part 1: General methods
15524-2	K61180-2	2011-12		Plastics – Determination of ash – Part 2: Poly (Alkyene terephthalate) materials
15524-3	K61180-3	2011-12		Plastics – Determination of ash – Part 3: Unplasticized cellulose acetate
15524-4	K61180-4	2011-12		Plastics – Determination of ash – Part 4: Polyamides
15524-5	K61180-5	2011-12		Plastics – Determination of ash – Part 5: Poly (Vinyl chloride)
15570	K61181	2012-10		Petroleum products - Determination of aromatic hydrocarbon types in middle distillates – High performance liquid chromatography method (non-backflush) with refractive index detection
15605-1	K61182-1	2013-01		Plastics – Determination of temperature of deflection under load – Part 1: General test method
15605-2	K61182-2	2013-01		Plastics – Determination of temperature of deflection under load – Part 2: Plastics and ebonite
15605-3	K61182-3	2013-01		Plastics – Determination of temperature of deflection under load – Part 3: High-strength thermosetting laminates and long-fibre-reinforced plastics
15606-1	K61183-1	2013-01		Plastic – Determination of tensile properties – Part 1: General principles
15606-2	K61183-2	2013-01		Plastics – Determination of tensile properties – Part 2: Test conditions for moulding and extrusion plastics
15606-3	K61183-3	2013-01		Plastics – Determination of tensile properties – Part 3: Test conditions for films and sheets
15606-4	K61183-4	2013-01		Plastics – Determination of tensile properties – Part 4: Test conditions for isotropic and orthotropic fibre-reinforced plastic composites
15606-5	K61183-5	2013-01		Plastics – Determination of tensile properties – Part 5: Test conditions for unidirectional fibre-reinforced plastic composites
15607	K61184	2013-01		Plastic – Determination of linear dimensions of test specimens
15608	K61185	2013-01		Plastics – Compression moulding of test specimens of thermosetting materials
15609-1	K61186-1	2013-01		Thermoplastics pipes and fittings – Vicat softening temperature – Part 1: General test method
15609-2	K61186-2	2013-01		Thermoplastics pipes and fittings – Vicat softening temperature – Part 2: Test conditions for unplasticized poly (vinyl chloride) (PVC-U)



CNS no.	Category no.	Date of		Title
		Current edition		
15609-3	K61186-3	2013-01		or chlorinated poly (vinyl chloride) (PVC-C) pipes and fittings and for Thermoplastics pipes and fittings – Vicat softening temperature – Part 3: Test conditions for acrylonitrile/butadiene/styrene (ABS) and acrylonitrile/styrene/acrylic ester (ASA) pipes and fittings
15611	K61188	2013-01		Plastics - Determination of water content
15612	K61189	2013-01		Plastics - Determination of water absorption
15613	K61190	2013-01		Plastics – Determination of refractive index
15636	K61191	2013-06		Cellular plastics – Determination of horizontal burning characteristics of small specimens subjected to a small flame
15637	K61192	2013-06		Rigid cellular plastics – Determination of compressive creep
15638	K61193	2013-06		Rigid cellular plastics – Determination of compressive creep under specified load and temperature conditions
15639	K61194	2013-06		Rigid cellular plastics – Determination of friability
15640	K61195	2013-06		Rigid cellular plastics – Determination of the coefficient of linear thermal expansion at sub-ambient temperature
15641	K61196	2013-06		Rigid cellular plastics – Determination of the volume percentage of open cells and of closed cells
15642	K61197	2013-06		Rigid cellular plastics – Determination of water absorption
15643	K61198	2013-06		Rigid cellular plastics – Test for dimensional stability
15644	K61199	2013-06		Rigid cellular plastics – Determination of tensile properties
15645	K61200	2013-06		Rigid cellular plastics - Determination of water vapour transmission properties
15646-1	K61201-1	2013-06		Rigid cellular plastics - Determination of flexural properties - Part 1: Basic bending test
15646-2	K61201-2	2013-06		Rigid cellular plastics - Determination of flexural properties - Part 2: Determination of flexural strength and apparent flexural modulus of elasticity
15655	K61202	2023-02		Passenger car tyres – Method for measuring relative wet grip performance – Loaded new tyres
15656	K61203	2013-04		Truck and bus tyres – Method for measuring relative wet grip performance – Loaded new tyres
15657	K61204	2013-05		Method of test for pour point of petroleum products (automatic air pressure method)
15728	K61205	2014-06		Plastics - Homopolymer and copolymer resins of vinyl chloride - Determination of volatile matter (including water)
15729	K61206	2014-06		Plastics - Reinforced moulding compounds and prepregs - Determination of apparent volatile-matter content
15741	K61207	2014-09		Rubber, vulcanized or thermoplastic - Abrasion testing - Guidance
15750	K61208	2014-11		Essential oils - Analysis by gas chromatography on chiral capillary columns - General method
15751	K61209	2014-11		Aromatic extracts , flavouring and perfuming compounds - Determination of ethanol content - Gas chromatographic method on packed and capillary columns
15752	K61210	2014-11		Essential oils and aromatic extracts - Determination of residual benzene content
15801	K61211	2015-03		Liquorice extracts (Glycyrrhiza glabra L) – Determination of glycyrrhizic acid content – Method using high-performance liquid chromatography
15802	K61212	2015-03		Essential oils – Determination of water content – Karl Fischer method
15803	K61213	2015-03		Oil of sweet orange – Determination of the total carotenoids content
15804	K61214	2015-03		Oil of cassia , Chinese type – Determination of trans-cinnamaldehyde content – Gas chromatographic method on capillary columns
15805	K61215	2015-03		Rubber compounding ingredients – Carbon black – Determination of ash
15806	K61216	2015-03		Rubber compounding ingredients – Carbon black – Shipment sampling procedures
15823	K61217	2015-07		Measurement of antibacterial activity on plastics and other non-porous surfaces

## Chemical Industry

CNS no.	Category no.	Date of		Title
		Current edition		
15824	K61218	2015-07		Rubber compounding ingredients – Carbon black – Determination of sieve residue
15825	K61219	2015-07		Rubber compounding ingredients – Carbon black – Determination of solvent-extractable material
15832-1-1	K61220-1-1	2017-09		Method of test for coating components – Part 1-1: General rule – Common test conditions
15832-1-2	K61220-1-2	2018-02		Method of test for coating components – Part 1-2: General rule – Determination of non-volatile matter content
15832-2-1	K61220-2-1	2017-09		Method of test for coating components – Part 2-1: Component analysis in solvent soluble matter – Acid value (Titrimetric method)
15832-2-2	K61220-2-2	2017-11		Method of test for coating components – Part 2-2: Component analysis in solvent soluble matter – Softening point (Ring-and-ball method)
15832-2-3	K61220-2-3	2020-11		Method of test for paint components – Part 2-3: Component analysis in solvent soluble matter – Boiling range
15832-2-4	K61220-2-4	2018-02		Method of test for coating components – Part 2-4: Component analysis in solvent soluble matter – Alkyd resin
15832-3-1	K61220-3-1	2020-11		Method of test for paint components – Part 3-1: Component analysis in paint – Total lead (Flame atomic absorption spectrometric method)
15832-4-1	K61220-4-1	2015-09		Method of test for paint components – Part 4-1: Analysis for components emitted from film – Determination of formaldehyde emission
15832-4-2	K61220-4-2	2020-11		Method of test for paint components – Part 4-2: Analysis for components emitted from film – Volatile organic compounds
15836	K61221	2015-10		Flexible cellular polymeric materials – Determination of air flow permeability
15839	K61222	2015-10		Cellular rubbers and plastics – Determination of dynamic cushioning performance
15840	K61223	2015-10		Methods of test for polyethylene cellular plastics
15848-1	K61224-1	2015-10		Plastics – Differential scanning calorimetry (DSC) – Part 1: General principles
15848-6	K61224-6	2015-10		Plastics – Differential scanning calorimetry (DSC) – Part 6: Determination of oxidation induction time (isothermal OIT) and oxidation induction temperature (dynamic OIT)
15849	K61225	2015-10		Plastics piping systems – Polyethylene piping materials and components – Determination of volatile content
15850	K61226	2015-10		Polyolefin pipes and fittings – Determination of carbon black content by calcination and pyrolysis – Test method and basic specification
15851	K61227	2015-10		Method for the assessment of the degree of pigment or carbon black dispersion in polyolefin pipes, fittings and compounds
15852-1	K61228-1	2015-10		Thermoplastics pipes, fittings and assemblies for the conveyance of fluids – Determination of the resistance to internal pressure – Part 1: General method
15852-2	K61228-2	2015-10		Thermoplastics pipes, fittings and assemblies for the conveyance of fluids – Determination of the resistance to internal pressure – Part 2: Preparation of pipe test pieces
15852-3	K61228-3	2022-07		Thermoplastics pipes, fittings and assemblies for the conveyance of fluids – Determination of the resistance to internal pressure – Part 3: Preparation of components
15852-4	K61228-4	2022-07		Thermoplastics pipes, fittings and assemblies for the conveyance of fluids – Determination of the resistance to internal pressure – Part 4: Preparation of assemblies
15858	K61229	2015-12		Plastics piping and ducting systems – Plastics pipes and fittings – Method for exposure to direct (natural) weathering
15859	K61230	2015-12		Plastics pipes and fittings – Peel decohesion test for polyethylene (PE) electrofusion assemblies of nominal outside diameter greater than or equal to 90 mm
15860	K61231	2015-12		Plastics pipes and fittings – Preparation of test piece assemblies between a polyethylene (PE) pipe and an electrofusion fitting

CNS no.	Category no.	Date of		Title
		Current edition		
15881	K61232	2016-04		Method of test for oxidation stability of middle distillate fuels – Rapid small scale oxidation test (RSSOT)
15899	K61233	2016-06		Oil of orris rhizome ( <i>Iris pallida</i> Lam. or <i>Iris germanica</i> L.) – Determination of iron content – Method using gas chromatography on a capillary column)
15914	K61234	2016-06		Thermoplastics pipes for the conveyance of fluids - Determination of resistance to rapid crack propagation (RCP) - Small-scale steady-state test (S4 test)
15915	K61235	2016-06		Thermoplastics pipes for the conveyance of fluids - Determination of resistance to rapid crack propagation (RCP) - Full-scale test (FST)
15916	K61236	2016-06		Polyolefin pipes for the conveyance of fluids - Determination of resistance to crack propagation - Test method for slow crack growth on notched pipes
15917	K61237	2016-06		Polyethylene pipes - Resistance to slow crack growth - Cone test method
15918-1	K61238-1	2016-06		Thermoplastics pipes - Determination of tensile properties - Part 1: General test method
15918-3	K61238-3	2016-06		Thermoplastics pipes - Determination of tensile properties - Part 3: Polyolefin pipes
15919	K61239	2016-06		Polyethylene (PE) pipes and fittings - Determination of the tensile strength and failure mode of test pieces from a butt-fused joint
15920	K61240	2016-06		Plastics pipes and fittings - Preparation of polyethylene (PE) pipe/pipe or pipe/fitting test piece assemblies by butt fusion
15921	K61241	2016-06		Thermoplastics pipes - Longitudinal reversion - Test method and parameters
15922	K61242	2016-06		Plastics piping and ducting systems - Thermoplastics pipes - Determination of ring flexibility
15923	K61243	2016-06		Thermoplastics pipes - Determination of ring stiffness
15924	K61244	2016-06		Thermoplastics piping systems for non-pressure applications - Test method for watertightness
15925	K61245	2016-06		Thermoplastics piping systems for soil and waste discharge inside buildings - Test method for airtightness of joints
15926	K61246	2016-06		Thermoplastics piping systems for non-pressure applications - Test method for resistance to elevated temperature cycling
15927	K61247	2016-06		Thermoplastics piping systems for underground non-pressure applications - Test method for leaktightness of elastomeric sealing ring type joints
15932-1	K61248-1	2016-09		Rubber, vulcanized or thermoplastic - Part 1: Determination of adhesion to textile fabrics
15932-2	K61248-2	2016-09		Rubber, vulcanized or thermoplastic - Part 2: Determination of adhesion to a rigid substrate - 90° peel method
15932-3	K61248-3	2016-09		Rubber, vulcanized or thermoplastic – Part 3: Determination of adhesion to metal - Two-plate method
15938	K61249	2016-10		Leather - Physical and mechanical tests - Determination of water repellency of garment leather
15939	K61250	2016-10		Leather - Chemical tests - Preparation of chemical test samples
15940	K61251	2016-10		Leather - Chemical tests - Determination of volatile matter
15941-1	K61252-1	2016-10		Leather - Chemical determination of metal content - Part 1: Extractable metals
15941-2	K61252-2	2016-10		Leather - Chemical determination of metal content - Part 2: Total metal content
15956	K61253	2016-12		Rigid cellular plastics – Test methods for self-skinned, high-density materials
15957	K61254	2016-12		Flexible cellular polymeric materials – Determination of creep in compression
15958	K61255	2016-12		Flexible cellular polymeric materials – Moulded and extruded sponge or expanded cellular rubber products – Compressibility test on finished parts

## Chemical Industry

CNS no.	Category no.	Date of		Title
		Current edition		
15959	K61256	2016-12		Flexible cellular polymeric materials – Determination of fatigue by a constant-strain procedure
15968	K61257	2017-01		Plastics – Film and sheeting – easurement of water-contact angle of corona-treated films
15981	K61258	2017-06		Method of test for the determination of sulfur compounds in natural gas and gaseous fuels – Gas chromatography and flame photometric detection
15994	K61259	2017-09		Method of test for the determination of trace impurities in monocyclic aromatic hydrocarbons – Gas chromatography and effective carbon number
15997	K61260	2017-09		Rubber compounding ingredients – Determination of multipoint nitrogen surface area (NSA) and statistical thickness surface area (STSA)
15998	K61261	2017-09		Rubber compounding ingredients – Carbon black – Determination of aggregate size distribution by disc centrifuge photosedimentometry
15999	K61262	2017-09		Rubber compounding ingredients – Carbon black – Determination of tinting strength
16001	K61263	2017-09		Rubber compounding ingredients – Carbon black – Determination of oil absorption number (OAN) and oil absorption number of compressed sample (COAN)
16002	K61264	2017-09		Rubber compounding ingredients – Carbon black – Determination of specific surface area by nitrogen adsorption method – Single-point procedures
16003	K61265	2017-09		Rubber compounding ingredients – Carbon black – Determination of light transmittance of toluene extract
16058	K61266	2018-08		Rubber – Guide to the use of curemeters
16059	K61267	2018-08		Rubber, unvulcanized – Determination of plasticity – Rapid-plastimeter method
16060	K61268	2018-08		Rubber, raw natural – Determination of plasticity retention index (PRI)
16153	K61269	2021-10		Rubber, raw natural and raw synthetic – Sampling and further preparative procedures
16158	K61270	2021-12		Rubber test mixes – Preparation, mixing and vulcanization – Equipment and procedures

## Chemical Reagents

1501	K7001	1995-08		General rules for test methods of reagents
1502	K7002	withdrawn		Chemical Reagent (Solutions Used for Test of Reagents and Their Formulation) (→CNS 1 5 0 1)
1503	K7003	withdrawn		Chemical Reagent (Standard Solutions) (for Use in Blanks and Controls) (→CNS 1 5 0 1)
1504	K7004	withdrawn		Chemical reagents (Commonly used reagents and their preparations for analytical chemistry)
1505	K7005	withdrawn		Chemical Reagent (The Arsenic Test) (→CNS 1 5 0 1)
1506	K7006	withdrawn		Chemical Reagent (Boiling Point and Distillate Determination) (→CNS 9 1 8 0)
1507	K7007	withdrawn		Chemical Reagent (Freezing Point Determination) (→CNS 8 8 3 6)
1508	K7008	withdrawn		Chemical Reagent (Melting Point Determination) (→CNS 8 8 3 5)
1509	K7009	withdrawn		Chemical Reagent (Kjeldahl Nitrogen Determination Method) (→CNS 1 5 0 1)
1510	K7010	withdrawn		Chemical Reagent (pH Value Determination) (→CNS 1 5 0 1)
1511	K7011	withdrawn		Chemical Reagent (Buffer Solutions) (→CNS 1 5 0 1)
1512	K7012	withdrawn		Chemical Reagent (Indicators for Volumetric Determinations) (→CNS 1 5 0 1)
1513	K7013	withdrawn		Chemical Reagent (Specific Rotation) (→CNS 1 5 0 1)

CNS no.	Category no.	Date of		Title
		Current edition		
1514	K7014	withdrawn		Water Determination by the Fischer Method (→CNS 1 3 1 0 6 )
1515	K7015	withdrawn		Water Determination with Acetyl Chloride (→CNS 1 3 1 0 6 )
1516	K7016	withdrawn		Chemical Reagent (Volumetric Solution and Their Equivalents Table) (→CNS 1 5 0 1 )
1517	K7017	withdrawn		Primary Standards (→CNS 1 2 9 8 3 )
1518	K7018	withdrawn		Chemical Reagent (Preparation and Standardization of Standard Solutions for Volumetric Determinations) (→CNS 1 5 0 1 )
1519	K7019	withdrawn		Indicators for Volumetric Determination
1520	K7020	1993-03		Acetic acid
1521	K7021	withdrawn		Acetic Acid, Glacial (Conforming to Dichromate Test) (→CNS 1 5 2 0 )
1522	K7022	withdrawn		Acetic Acid,36% (→CNS 1 5 2 0 )
1523	K7023	1993-09		Acetic anhydride
1524	K7024	1996-12		Acetone(Reagent)
1525	K7025	withdrawn		Acetonitrile (Methyl cyanide)
1526	K7026	withdrawn		Acetyl chloride
1527	K7027	1961-12		Agar (Agar-agar)
1528	K7028	1993-03		Ethanol (95 % ) , Ethyl alcohol (95%)
1529	K7029	1993-03		Ethanol (99.5 % ) , Ethyl alcohol (99.5 % )
1530	K7030	1996-09		Aluminon (Ammonium aurintricarboxylate) (Reagent)
1531	K7031	withdrawn		Aluminum
1532	K7032	withdrawn		Aluminum ammonium sulfate (Ammonia alum)
1533	K7033	withdrawn		Aluminum chloride, anhydrous
1534	K7034	withdrawn		Aluminum chloride, hydrated
1535	K7035	withdrawn		Aluminum nitrate
1536	K7036	withdrawn		Aluminum oxide (for chromatography)
1537	K7037	withdrawn		Aluminum oxide (Ignited aluminum oxide)
1538	K7038	1996-12		Aluminium potassium sulfate 12-water (Reagent)
1539	K7039	withdrawn		Aluminum sulfate
1540	K7040	withdrawn		Aminoacetic acid (Glycocol; glycine)
1541	K7041	withdrawn		P-aminoacetophenone
1542	K7042	withdrawn		P-Aminobenzoic Acid
1543	K7043	1996-09		1-amino-2-naphthol-4-sulfonic acid (Reagent)
1544	K7044	1996-07		Ammonium acetate (Reagent)
1545	K7045	withdrawn		Ammonium Bisulfate (Acid Ammonium Sulfate)
1546	K7046	withdrawn		Ammonium bromide
1547	K7047	1996-09		Ammonium carbonate (Reagent)
1548	K7048	1993-03		Ammonium chloride
1549	K7049	withdrawn		Ammonium Chromate
1550	K7050	1996-07		Diammonium hydrogen citrate (Reagent)
1551	K7051	withdrawn		Ammonium dichromate
1552	K7052	withdrawn		Ammonium fluoride
1553	K7053	2015-12		Ammonia solution (Reagent)
1554	K7054	withdrawn		Ammonium iodide
1555	K7055	withdrawn		Ammonium molybdate
1556	K7056	1996-09		Ammonium nitrate (Reagent)
1557	K7057	1996-07		Ammonium oxalate monohydrate (Reagent)
1558	K7058	1996-12		Ammonium peroxodisulfate (Reagent)
1559	K7059	1998-09		Diammonium hydrogenphosphate (Reagent)
1560	K7060	withdrawn		Ammonium phosphate, monobasic (Ammonium dihydrogen phosphate)
1561	K7061	1996-09		Ammonium amidosulfate (Ammonium sulfamate) (Reagent)
1562	K7062	withdrawn		Ammonium sulfate
1563	K7063	withdrawn		Ammonium sulfide solution
1564	K7064	withdrawn		Ammonium tartrate
1565	K7065	1996-07		Ammonium thiocyanate (Reagent)
1566	K7066	withdrawn		Ammonium vanadate (Ammonium metavanadate)

## Chemical Industry

CNS no.	Category no.	Date of	
		Current edition	Title
1567	K7067	1997-08	Aniline (Reagent)
1568	K7068	withdrawn	Aniline chloride (Aniline hydrochloride)
1569	K7069	withdrawn	Aniline sulfate
1570	K7070	withdrawn	Anthrone
1571	K7071	withdrawn	Antimony trichloride (Antimonous chloride)
1572	K7072	withdrawn	L-arabinose
1573	K7073	withdrawn	Arsenic pentoxide (Arsenic acid anhydride)
1574	K7074	1991-08	Arsenic(III) oxide (Arsenous oxide)
1575	K7075	withdrawn	Arsenic trioxide (Arsenous acid)
1576	K7076	withdrawn	Asbestos (Acid washed)
1577	K7077	2001-12	L(+)-ascorbic acid (Reagen)
1578	K7078	withdrawn	Asparagin (L-Aminosuccinamic acid)
1579	K7079	withdrawn	Azolitmin
1580	K7080	withdrawn	Barium acetate
1581	K7081	withdrawn	Barium carbonate
1582	K7082	1996-12	Barium chloride dihydrate (Reagent)
1583	K7083	withdrawn	Barium chromate
1584	K7084	1996-12	Barium hydroxide octahydrate (Reagent)
1585	K7085	withdrawn	Barium hydroxide, anhydrous
1586	K7086	withdrawn	Barium nitrate
1587	K7087	withdrawn	Barium sulfate
1588	K7088	withdrawn	Barium peroxide (Barium dioxide)
1589	K7089	withdrawn	Benzaldehyde
1590	K7090	1998-09	Benzene (Reagent)
1591	K7091	withdrawn	Benzidine (P, P-Diaminodiphenyl)
1592	K7092	withdrawn	Benzidine dihydrochloride
1593	K7093	withdrawn	Benzoic acid
1594	K7094	withdrawn	Benzoic acid, primary standard
1595	K7095	withdrawn	$\alpha$ -Benzoin oxime (Cupron)
1596	K7096	withdrawn	Benzoyl chloride
1597	K7097	withdrawn	Benzyl alcohol
1598	K7098	withdrawn	Benzyl chloride
1599	K7099	withdrawn	Bismuth chloride (Bismuth trichloride)
1600	K7100	withdrawn	Bismuth nitrate (Bismuth trinitrate)
1601	K7101	withdrawn	Bismuth subcarbonate (Basic bismuth carbonate; Bismuth oxycarbonate)
1602	K7102	withdrawn	Bismuth subnitrate (Basic bismuth nitrate, Bismuth oxynitrate)
1603	K7103	1998-09	Boric acid (Reagent)
1604	K7104	withdrawn	Boric anhydride (Boron trioxide)
1605	K7105	1996-12	Bromocresol green (Reagent)
1606	K7106	withdrawn	Bromocresol purple (Dibromo-O-cresolsulfon phthalein)
1607	K7107	1998-09	Bromine (Reagent)
1608	K7108	1998-09	Bromophenol blue (Reagent)
1609	K7109	1996-12	Bromothymol blue (Reagent)
1610	K7110	withdrawn	Brucine
1611	K7111	1996-07	1-Butanol
1612	K7112	withdrawn	Cacotheline
1613	K7113	withdrawn	Cadmium acetate
1614	K7114	withdrawn	Cadmium bromide
1615	K7115	withdrawn	Cadmium chloride
1616	K7116	withdrawn	Cadmium iodide
1617	K7117	withdrawn	Cadmium nitrate
1618	K7118	withdrawn	Cadmium sulfate
1619	K7119	1998-09	Calcium acetate monohydrate (Reagent)
1620	K7120	1996-12	Calcium carbonate (Reagent)
1621	K7121	withdrawn	Calcium carbonate, precipitated (Low in alkalis and chloride)
1622	K7122	withdrawn	Calcium chloride, anhydrous
1623	K7123	2017-09	Calcium chloride (for drying)
1624	K7124	1998-09	Calcium chloride dihydrate (Reagent)

CNS no.	Category no.	Date of	
		Current edition	Title
1625	K7125	1964-07	Calcium Hydroxide
1626	K7126	withdrawn	Calcium nitrate
1627	K7127	withdrawn	Calcium oxide
1628	K7128	withdrawn	Calcium phosphate, dibasic
1629	K7129	withdrawn	Calcium phosphate, monobasic (Calcium biphosphate)
1630	K7130	withdrawn	Calcium sulfate
1631	K7131	withdrawn	$\alpha$ -Camphoric acid
1632	K7132	withdrawn	Capryl alcohol, secondary (2-Octanol)
1633	K7133	withdrawn	Carbon, decolorizing (Activated charcoal)
1634	K7134	withdrawn	Carbon disulfide
1635	K7135	1994-07	Carbon tetrachloride (Chemical reagent)
1636	K7136	withdrawn	Carminic acid
1637	K7137	withdrawn	Casein
1638	K7138	withdrawn	Cerc ammonium sulfate
1639	K7139	withdrawn	Chloral hydrate
1640	K7140	1998-09	Sodium p-toluenesulfonchloramide trihydrate (Reagent)
1641	K7141	1996-12	Chloroform (Reagent)
1642	K7142	withdrawn	Cholesterol
1643	K7143	withdrawn	Choline chloride
1644	K7144	withdrawn	Chromium chloride
1645	K7145	withdrawn	Chromium potassium sulfate (Chrome alum)
1646	K7146	withdrawn	Chromium trioxide
1647	K7147	withdrawn	Chromotropic acid (1,8-Dihydroxynaphthalin-3,6-disulfonic acid)
1648	K7148	withdrawn	Cinchonine
1649	K7149	1998-10	Citric acid monohydrate (Reagent)
1650	K7150	1998-10	Thiazole yellow (reagent)
1651	K7151	withdrawn	Cobalt acetate (Cobaltous acetate)
1652	K7152	withdrawn	Cobalt chloride
1653	K7153	withdrawn	Cobalt nitrate
1654	K7154	withdrawn	Cobalt sulfate
1655	K7155	withdrawn	Collodion
1656	K7156	withdrawn	Congo red
1657	K7157	withdrawn	Congo paper
1658	K7158	withdrawn	Copper
1659	K7159	withdrawn	Cresol red (o-Cresolsulfonphthalein)
1660	K7160	withdrawn	Methyl violet (Crystal violet)
1661	K7161	1998-10	Cupferron (reagent)
1662	K7162	withdrawn	Cupric acetate
1663	K7163	withdrawn	Cupric ammonium chloride
1664	K7164	withdrawn	Cupric bromide
1665	K7165	withdrawn	Cupric carbonate
1666	K7166	withdrawn	Cupric chloride (Copper dichloride)
1667	K7167	withdrawn	Chemical reagent (Cupric nitrate)
1668	K7168	withdrawn	Cupric oxide, powder (Copper oxide black)
1669	K7169	withdrawn	Cupric oxide, wire
1670	K7170	withdrawn	Cupric potassium chloride
1671	K7171	1996-07	Copper ( II ) sulfate pentahydrate (Reagent)
1672	K7172	withdrawn	Cupric sulfate anhydrous
1673	K7173	withdrawn	Cuprous chloride (Copper monochloride)
1674	K7174	withdrawn	Cyanogen bromide
1675	K7175	withdrawn	Cyclohexane (Hexahydrobenzene; Hexamethylene)
1676	K7176	withdrawn	Cyclohexanol (Hexahydrophenol)
1677	K7177	withdrawn	Cyclohexanone (Keto-hexamethylene)
1678	K7178	withdrawn	Devarda metal
1679	K7179	2000-05	Dextrin hydrate (Reagent)
1680	K7180	1965-01	Dextrose, anhydrous (glucose)
1681	K7181	withdrawn	Diacetyl monoxime
1682	K7182	withdrawn	2, 6-Dibromoquinone-chlorimide

## Chemical Industry

CNS no.	Category no.	Date of	
		Current edition	Title
1683	K7183	withdrawn	Dichlorofluorescein
1684	K7184	1998-10	2,6-Dichloroindophenol sodium salt dihydrate (Reagent)
1685	K7185	withdrawn	2, 6-Dichloroquinone-chloroimide (Chlorimide)
1686	K7186	withdrawn	Diethanolamine (2, 2-Dihydroxyethylamine)
1687	K7187	withdrawn	Digitonin
1688	K7188	withdrawn	Diiodofluorescein
1689	K7189	withdrawn	p-Dimethylaminoazobenzene (Butter yellow; Methyl yellow)
1690	K7190	withdrawn	p-Dimethylaminobenzaldehyde (Ehrlich's reagent)
1691	K7191	withdrawn	p-Dimethylaminobenzalrhodanine (p-Dimethylaminobenzylidenerhodanine)
1692	K7192	withdrawn	Dimethylaniline
1693	K7193	1996-12	N,N-Dimethylformamide (Reagent)
1694	K7194	1996-07	Dimethylglyoxime (Reagent)
1695	K7195	withdrawn	Dimethyl sulphate
1696	K7196	withdrawn	3, 5-Dinitrobenzoyl chloride
1697	K7197	withdrawn	2, 4-Dinitrochlorobenzene
1698	K7198	withdrawn	2, 4-dinitrophenol ( $\alpha$ -dinitrophenol)
1699	K7199	withdrawn	2, 4-Dinitrophenylhydrazine
1700	K7200	withdrawn	Dioxane (Diethylene dioxide)
1701	K7201	1996-07	Diphenylamine (Reagent)
1702	K7202	1966-06	Diphenylbenzidine
1703	K7203	1998-10	1,5 - Diphenyl carbonohydrazide (Reagent)
1704	K7204	withdrawn	Diphenylcarbazone
1705	K7205	1998-08	2,2'- Bipyridyl (reagent)
1706	K7206	1994-05	Disodium dihydrogen ethylenediamine tetraacetate dihydrate
1707	K7207	1998-08	1,5-Diphenylthiocarbazone (Reagent)
1708	K7208	1994-05	Eosin Y (Sodium tetrabromofluorescein)
1709	K7209	1994-05	Eriochrome black T [ 1-(1-hydroxy-2-naphthylazo)-6-nitro-2-naphthol-4-sulfonic acid sodium salt ]
1710	K7210	withdrawn	Eschka's mixture
1711	K7211	withdrawn	Ethanolamine (2-Aminoethanol; 2-Hydroxyethylamine; Monoethanolamine)
1712	K7212	1994-07	Diethyl ether (Chemical reagent)
1713	K7213	withdrawn	Ether, absolute (Diethyl ether; Ethyl ether)
1714	K7214	withdrawn	Ethyl acetate
1715	K7215	withdrawn	Ethyl bromide
1716	K7216	withdrawn	Ethyl cyanoacetate
1717	K7217	withdrawn	Ethylenediamine (1, 2-Diaminoethane)
1718	K7218	withdrawn	Ethylenediamine tetraacetic acid (Versene)
1719	K7219	2009-06	Ethylene glycol
1720	K7220	withdrawn	Ethyl iodide
1721	K7221	withdrawn	N-Ethylpiperidine
1722	K7222	1998-08	Ammonium iron (III) sulfate hexahydrate (Reagent)
1723	K7223	1998-08	Iron (III) chloride, hexahydrate (Reagent)
1723-1	K7224	withdrawn	Chemical reagent (Ferric chloride, low in phosphorus)
1724	K7225	withdrawn	Ferric citrate
1725	K7226	withdrawn	Ferric nitrate
1726	K7227	withdrawn	Ferric sulphate
1727	K7228	1998-08	Ammonium iron (II) sulfate hexahydrate (Reagent)
1728	K7229	2004-10	Iron (II) chloride tetrahydrate (Reagent)
1729	K7230	1998-08	Iron (II) sulfate hexahydrate (Reagent)
1730	K7231	withdrawn	Ferrous sulfide
1731	K7232	1998-08	Fluorescein sodium (Reagent)
1732	K7233	2000-05	Formaldehyde solution (Reagent)
1733	K7234	withdrawn	Formamide
1734	K7235	withdrawn	Formic acid
1735	K7236	2000-05	Basic fuchsine (Reagent)
1736	K7237	withdrawn	Furfural
1737	K7238	withdrawn	Gallic acid



CNS no.	Category no.	Date of		Title
		Current edition		
1738	K7239	withdrawn		Glass wool
1739	K7240	1967-10		Glycerol (glycerin)
1740	K7241	withdrawn		Gold chloride
1741	K7242	2000-05		Hexamethylenetetramine (Reagent)
1742	K7243	withdrawn		Hydrazine sulfate
1743	K7244	withdrawn		Hydroiodic acid
1744	K7245	withdrawn		Hydrobromic acid
1745	K7246	1997-08		Hydrochloric acid (Reagent)
1746	K7247	withdrawn		Hydrofluoric acid
1747	K7248	withdrawn		Hydrofluosilicic acid
1748	K7249	1994-07		Hydrogen peroxide (Chemical reagent)
1749	K7250	withdrawn		Hydroquinone
1750	K7251	withdrawn		Hydroxylamine hydrochloride
1751	K7252	2000-05		8-Quinolinol (Reagent)
1752	K7253	withdrawn		Iceland spar
1753	K7254	2001-12		Indigo carmine (Reagent)
1754	K7255	withdrawn		Iodic acid
1755	K7256	1994-07		Iodine (Chemical reagent)
1756	K7257	withdrawn		Iodine pentoxide
1757	K7258	withdrawn		Iodoxyquinsulfonic acid
1758	K7259	withdrawn		Iron by hydrogen
1759	K7260	withdrawn		Iron wire
1760	K7261	2000-05		2,3-Indolinedione (Reagent)
1761	K7262	1997-08		3-Methyl-1-butanol (Reagent)
1762	K7263	2001-12		2-Methyl-1-propanol (Reagent)
1763	K7264	withdrawn		Isooctane
1764	K7265	2001-12		2-Propanol (Reagent)
1765	K7266	withdrawn		Lacmoid (Resorcinol blue)
1766	K7267	withdrawn		Lactic acid
1767	K7268	withdrawn		Lactose
1768	K7269	withdrawn		Lead
1769	K7270	withdrawn		Lead acetate
1770	K7271	withdrawn		Lead carbonate
1771	K7272	withdrawn		Lead chloride
1772	K7273	withdrawn		Lead chromate
1773	K7274	withdrawn		Lead dioxide (Brown lead oxide)
1774	K7275	withdrawn		Lead monoxide (Litharge; yellow lead oxide)
1775	K7276	2000-05		Lead ( II ) nitrate (Reagent)
1776	K7277	withdrawn		Lead oxide, red (Red lead, Minium)
1777	K7278	withdrawn		Lead subacetate (Basic lead acetate for sugar analysis)
1778	K7279	withdrawn		Lead sulfate
1779	K7280	withdrawn		Levulose (Fructose)
1780	K7281	withdrawn		Lithium chloride
1781	K7282	withdrawn		Lithium nitrate
1782	K7283	withdrawn		Lithium sulfate
1783	K7284	withdrawn		Litmus paper
1784	K7285	withdrawn		Litmus paper, blue
1785	K7286	withdrawn		Litmus paper, red
1786	K7287	1966-12		Magnesium
1787	K7288	withdrawn		Magnesium acetate
1788	K7289	withdrawn		Magnesium carbonate
1789	K7290	1966-12		Magnesium chloride
1790	K7291	1968-11		Magnesium nitrate
1791	K7292	1968-11		Magnesium oxide
1792	K7293	1968-11		Magnesium perchlorate, anhydrous
1793	K7294	1968-11		Magnesium sulfate
1794	K7295	withdrawn		O, p-dihydroxyazo-p-nitrobenzene (Magneson)
1795	K7296	withdrawn		Manganese carbonate (Manganous carbonate)

## Chemical Industry

CNS no.	Category no.	Date of	
		Current edition	Title
1796	K7297	2001-12	Manganese ( II ) chloride tetrahydrate
1797	K7298	withdrawn	Manganese dioxide, precipitated
1798	K7299	2001-12	Manganese ( II ) sulfate pentahydrate
1799	K7300	1971-01	Mannitol (Manuite)
1800	K7301	1971-01	Mercuric acetate
1801	K7302	1996-07	Mercury ( II ) bromide (Reagent)
1802	K7303	1997-08	Mercury ( II ) chloride (Reagent)
1803	K7304	1971-01	Mercuric cyanide
1804	K7305	1971-01	Mercuric iodide, red
1805	K7306	1971-01	Mercuric nitrate
1806	K7307	1971-01	Mercuric oxide, red
1807	K7308	1971-01	Mercuric oxide, yellow
1808	K7309	1971-01	Mercuric sulfate (Mercury bisulfate)
1809	K7310	1971-01	Mercurous chloride (Calomel)
1810	K7311	1971-01	Mercurous nitrate
1811	K7312	1971-01	Mercury (Reagent)
1812	K7313	1971-01	Metaphosphoric acid
1813	K7314	1971-01	Methanol (Methyl alcohol)
1814	K7315	1971-01	Methenamine (Hexamethylenetetramine, hexamine)
1815	K7316	1971-01	P-methylaminophenol sulfate (Metol)
1816	K7317	2001-12	Methylene blue (Reagent)
1817	K7318	withdrawn	Methyl iodide
1818	K7319	1970-01	Methyl orange
1819	K7320	1970-01	Methyl red
1820	K7321	withdrawn	Molybdic acid
1821	K7322	withdrawn	Molybdenum trioxide (Molybdic anhydride)
1822	K7323	withdrawn	Monochloroacetic acid
1823	K7324	1969-07	$\alpha$ -naphthol
1824	K7325	withdrawn	$\beta$ -Naphthol
1825	K7326	withdrawn	$\beta$ -Naphthoquinone-4-sodium sulfonate
1826	K7327	withdrawn	$\alpha$ -naphthylamine hydrochloride
1827	K7328	withdrawn	N-Naphthyl-ethylenediamine hydrochloride [N(1-Naphthyl-ethylenediamine dihydrochloride)]
1828	K7329	withdrawn	Nickel acetate
1829	K7330	2003-04	Ammonium nickel ( II ) sulfate hexahydrate (Reagent)
1830	K7331	withdrawn	Nickel carbonate
1831	K7332	1997-08	Nickel ( II ) chloride hexahydrate (Reagent)
1832	K7333	withdrawn	Nickel nitrate
1833	K7334	withdrawn	Nickel sulfate
1834	K7335	1996-07	Ninhydrin (Reagent)
1835	K7336	withdrawn	Nitramine (Tetralite; Tetryl; 2. 4. 6-Trinitrophenylmethylnitroamine)
1836	K7337	withdrawn	P-Nitroaniline
1837	K7338	2001-12	Nitric acid (Reagent)
1838	K7339	1969-07	Nitric acid, fuming (SP. GR. 1.5)
1839	K7340	withdrawn	O-Nitrobenzaldehyde
1840	K7341	2003-04	Nitrobenzene (Reagent)
1841	K7342	withdrawn	P-Nitrobenzoyl chloride
1842	K7343	withdrawn	Nitron (1, 4-Diphenyl-3, 5-endanilo-dihydrotriazol)
1843	K7344	withdrawn	$\alpha$ -Nitroso- $\beta$ -Naphthol
1844	K7345	withdrawn	1-Nitroso-2-hydroxynaphthalene-3, 6-sodiumsulfonate (NITROSOR SALT)
1845	K7346	1996-07	Oxalic acid dihydrate (Reagent)
1846	K7347	withdrawn	Palladium chloride
1847	K7348	1969-07	Peptone (meat peptone)
1848	K7349	2003-04	Perchloric acid (Reagent)
1849	K7350	1969-07	Petroleum ether petroleum benzin; ligroin
1850	K7351	2003-04	1,10-phenanthroline monohydrate (reagent)
1851	K7352	2003-04	Phenol (Reagent)
1852	K7353	2003-04	Phenolphthalein (reagent)

CNS no.	Category no.	Date of		Title
		Current edition		
1853	K7354	2003-04		Phenol red (Reagent)
1854	K7355	withdrawn		Phenylarsonic acid
1855	K7356	withdrawn		m-Phenylenediamine-HCl; Metadiaminobenzene hydrochloride
1856	K7357	withdrawn		Phenylhydrazine
1857	K7358	2003-11		Phenylhydrazinium chloride (reagent)
1858	K7359	1973-02		Phenylsemicarbazide
1859	K7360	1973-02		Phloroglucinol (1, 3, 5-Trihydroxybenzene)
1860	K7361	1973-02		Phosphomolybdic acid
1861	K7362	1973-02		Phosphoric acid
1862	K7363	1973-02		Phosphorous acid
1863	K7364	1973-02		Phosphorus oxychloride
1864	K7365	1973-02		Phosphorus pentachloride
1865	K7366	1973-02		Phosphorus pentoxide
1866	K7367	1973-02		Phosphorus, red
1867	K7368	1973-02		Phosphorus trichloride
1868	K7369	1973-02		Phosphotungstic acid
1869	K7370	1973-02		Phthalic anhydride
1870	K7371	1973-02		Picric acid
1871	K7372	1973-02		Picrolonic acid (1-p-Nitrophenyl-3-methyl-4-nitropyrazolone)
1872	K7373	1973-02		Platinic chloride
1873	K7374	1973-02		Potassium
1874	K7375	1973-02		Potassium acetate
1875	K7376	1973-02		Potassium bicarbonate
1876	K7377	1973-02		Potassium biphthalate
1877	K7378	1973-02		Potassium bisulfate
1878	K7379	2001-12		Potassium bromate (Reagent)
1879	K7380	1996-07		Potassium bromide (Reagent)
1880	K7381	1973-02		Potassium carbonate, Anhydrous
1881	K7382	2003-04		Potassium chlorate (Reagent)
1882	K7383	1997-08		Potassium chloride (Reagent)
1883	K7384	1996-07		Potassium chromate (Reagent)
1884	K7385	1973-02		Potassium citrate
1885	K7386	2003-04		Potassium cyanide (Reagent)
1886	K7387	1994-07		Potassium dichromate (Chemical reagent)
1887	K7388	2003-11		Potassium hexacyanoferrate(III)(Reagent)
1888	K7389	2000-05		Potassium hexacyanoferrate (II) trihydrate (Reagent)
1889	K7390	2000-05		Potassium fluoride (Reagent)
1890	K7391	2010-01		Potassium hydroxide (Reagent)
1891	K7392	1973-02		Potassium iodate
1892	K7393	1975-08		Potassium iodide
1893	K7394	1975-08		Potassium metabisulfite potassium pyrosulfite
1894	K7395	1975-08		Potassium nitrate
1895	K7396	1997-08		Potassium nitrite (Reagent)
1896	K7397	1975-08		Potassium oxalate
1897	K7398	2003-04		Potassium perchlorate (Reagent)
1898	K7399	1996-07		Potassium periodate (Reagent)
1899	K7400	1982-06		Chemical reagent (Potassium permanganate)
1900	K7401	1982-05		Chemical reagent (Potassium peroxydisulfate)
1901	K7402	1975-08		Potassium phosphate, dibasic
1902	K7403	1975-08		Potassium phosphate; monobasic potassium phosphate; soerenson's potassium phosphate
1903	K7404	1975-08		Potassium rhodizonate
1904	K7405	2003-11		Potassium sodium (+)-tartrate tetrahydrate (Reagent)
1905	K7406	1975-08		Potassium sulfate
1906	K7407	1975-08		Potassium tartrate
1907	K7408	1975-08		Potassium thiocyanate; potassium sulfocyanate
1908	K7409	1975-08		Potassium xanthate; potassium xanthogenate
1909	K7410	1975-08		Propylene glycol 1, 2-propanediol

## Chemical Industry

CNS no.	Category no.	Date of		Title
		Current edition		
1910	K7411	2003-04		Pyridine (reagent)
1911	K7412	1975-08		Pyrogallol pyrogallic acid; 1, 2, 3-trihydroxybenzene
1912	K7413	1975-08		Quinaldinic acid quinoline-2-carboxylic acid
1913	K7414	1975-08		Quinalizarin tetrahydroxyanthraquinone
1914	K7415	1975-08		Quinhydrone
1915	K7416	withdrawn		Reinecke salt; Ammonium reineckate; Ammonium tetrathiocyanato-diammono-chromate
1916	K7417	1975-08		Resorcinol resorcin; m-dihydroxybenzene
1917	K7418	1975-08		L-Rhamnose isodulcitol
1918	K7419	1975-08		Rhodamin B tetraethylrhodamin
1919	K7420	1975-08		Rosolic acid; aurin; corallin; pararosolic acid
1920	K7421	1975-08		R-Salt 2-naphthol-3, 6-sodium disulfonate
1921	K7422	1975-08		Rubeanic acid; dithio-oxamide
1922	K7423	withdrawn		Salicyladoxime
1923	K7424	1970-01		Salicylic acid
1924	K7425	withdrawn		Sea sand
1925	K7426	withdrawn		Selenious acid
1926	K7427	1970-01		Selenium
1927	K7428	withdrawn		Semicarbazide hydrochloride
1928	K7429	withdrawn		Silica gel
1929	K7430	withdrawn		Silicic acid
1930	K7431	withdrawn		Silicotungstic acid
1931	K7432	withdrawn		Silver, precipitated
1932	K7433	withdrawn		Silver acetate
1933	K7434	withdrawn		Silver iodate
1934	K7435	2003-04		Silver nitrate (Reagent)
1935	K7436	withdrawn		Silver oxide
1936	K7437	withdrawn		Silver sulfate
1937	K7438	withdrawn		Soda lime
1938	K7439	1976-09		Sodium
1939	K7440	2001-12		Sodium acetate trihydrate (Reagent)
1940	K7441	1976-09		Sodium acetate, anhydrous
1941	K7442	2003-11		Sodium alizarinsulfonate (Reagent)
1942	K7443	1976-09		Sodium ammonium phosphate; microcosmic salt
1943	K7444	1976-09		Sodium arsenate, dibasic
1944	K7445	1976-09		Sodium arsenite; sodium metarsenite
1945	K7446	1996-07		Sodium hydrogen carbonate (Reagent)
1946	K7447	1976-09		Sodium bismuthate
1947	K7448	1976-09		Sodium bisulfate, fused
1948	K7449	1976-09		Sodium bisulfate, hydrated
*	1949	K7450	1991-08	Sodium hydrogen sulfite (Sodium bisulfite)
	1950	K7451	1976-09	Sodium bitartrate
	1951	K7452	2003-11	Sodium tetraborate decahydrate (Reagent)
	1952	K7453	1976-09	Sodium borate, fused
	1953	K7454	1976-09	Sodium bromate
	1954	K7455	2001-12	Sodium carbonate anhydrate (reagent)
	1955	K7456	1976-09	Sodium carbonate; decahydrate sodium carbonate crystals
	1956	K7457	1976-09	Sodium carbonate, monohydrate
	1957	K7458	1976-09	Sodium chlorate
	1958	K7459	1997-08	Sodium chloride (Reagent)
	1959	K7460	2003-11	Trisodium citrate dihydrate (Reagent)
	1960	K7461	1977-10	Sodium cobaltinitrite
	1961	K7462	2003-11	Sodium cyanide (Reagent)
	1962	K7463	2003-11	Sodium N,N-diethyldithiocarbamate trihydrate (Reagent)
	1963	K7464	1977-10	Sodium ethylenediamine tetraacetate
	1964	K7465	1977-10	Sodium fluoride
	1965	K7466	1977-10	Sodium formate
	1966	K7467	1977-10	Sodium hydrosulfite
	1967	K7468	2001-12	Sodium hydroxide (Reagent)

CNS no.	Category no.	Date of		Title
		Current edition		
1968	K7469	1977-10		Sodium hypophosphit
1969	K7470	withdrawn		Sodium iodate
1970	K7471	1977-10		Sodium molybdate
1971	K7472	1977-10		Sodium nitrate
1972	K7473	1997-08		Sodium nitrite (Reagent)
1973	K7474	1977-10		Sodium nitroferrocyanide
1974	K7475	2003-11		Sodium oxalate (Reagent)
1975	K7476	1977-10		Sodium periodate
1976	K7477	1977-10		Sodium peroxide
1977	K7478	1977-10		Sodium phosphate dibasic, anhydrous
1978	K7479	1977-10		Sodium phosphate dibasic hepta hydrate
1979	K7480	1977-10		Sodium phosphate dibasic, 12 hydrate
1980	K7481	withdrawn		Sodium phosphate, monobasic
1981	K7482	1978-11		Sodium phosphate, tribasic trisodium phosphate
1982	K7483	1978-11		Sodium pyrophosphate
1983	K7484	2015-12		Sodium salicylate (Reagent)
1984	K7485	withdrawn		Sodium Selenite
1985	K7486	1978-11		Sodium sulfate
1986	K7487	1978-11		Sodium sulfate, anhydrous
1987	K7488	2018-11		Sodium sulfate
1988	K7489	2003-11		Sodium sulfide nonahydrate (Reagent)
1989	K7490	1978-11		Sodium sulfite, anhydrous
1990	K7491	2003-11		Sodium -(+)- tartrate dihydrate (Reagent)
1991	K7492	1978-11		Sodium thiocyanate (Sodium sulfocyanate)
1992	K7493	1978-11		Sodium thioglycollate
1993	K7494	1978-11		Sodium thiosulfate
1994	K7495	1978-11		Sodium tungstate
1995	K7496	1978-11		Stannic chloride, anhydrous (Fuming stannic chloride, tin tetrachloride)
1996	K7497	1978-11		Stannic chloride, crystal (Tin tetrachloride crystals)
1997	K7498	1978-11		Stannous chloride
1998	K7499	1978-11		Starch soluble for diastatic power determination
1999	K7500	1978-11		Starch soluble (for Iodometry)
2000	K7501	1978-11		Strontium carbonate
2001	K7502	1978-11		Strontium chloride
2002	K7503	2003-11		Strontium nitrate (Reagent)
2003	K7504	1978-11		Succinic acid
2004	K7505	1978-11		Sucrose (Cane sugar; saccharose)
2005	K7506	2001-12		Amidosulfuric acid (Reagent)
2006	K7507	1979-01		Sulfanilic acid
2007	K7508	1979-01		Sulfosalicylic acid
2008	K7509	2001-12		Sulfuric acid (Reagent)
2009	K7510	1979-01		Sulfuric acid, fuming
2010	K7511	1979-01		Sulfurous acid
2011	K7512	1979-01		Tannic acid (Gallatannic acid; tannin)
2012	K7513	1996-07		L(+)-Tartaric acid
2013	K7514	1979-01		Tetraethylammonium hydroxide
2014	K7515	1979-01		Tetramethylammonium hydroxide
2015	K7516	1979-01		Thallium nitrate (Thallos nitrate)
2016	K7517	1979-01		Thioglycollic acid
2017	K7518	1979-01		Thionalide
2018	K7519	1979-01		Thiosemicarbazide
2019	K7520	1979-01		Thiourea
2020	K7521	1979-01		Thorium nitrate
2021	K7522	1979-01		Thymol (Methyl iso-propylphenol)
2022	K7523	1979-01		Thymol blue (Thymolsulfonphthalein)
2023	K7524	1979-01		Thymolphthalein
2024	K7525	1979-01		Tin

## Chemical Industry

CNS no.	Category no.	Date of	
		Current edition	Title
2025	K7526	1979-01	Titanium trichloride (Titanous chloride)
2026	K7527	1979-01	Trichloroacetic acid
2027	K7528	1979-01	o-Tolidine
2028	K7529	1979-01	Toluene
2029	K7530	1979-02	Triphenyltetrazolium chloride (Red tetrazolium)
2030	K7531	1979-02	Turmeric paper
2031	K7532	1979-02	Uranyl acetate
2032	K7533	1979-02	(Uranyl cobalt acetate) (Uranyl magnesium acetate) (Uranyl zinc acetate)
2033	K7534	1979-02	Uranyl nitrate
2034	K7535	1979-02	Urea
2035	K7536	1979-02	Uric acid
2036	K7537	1979-02	Vanadyl sulfate
2037	K7538	1979-02	Vanillin (Methylprotocatechuic aldehyde)
2038	K7539	1979-02	Xylene (Xylol)
2039	K7540	1979-02	D-Xylose (Wood sugar)
2040	K7541	1979-02	Zinc
2041	K7542	1979-02	Zinc acetate
2042	K7543	1979-02	Zinc carbonate
2043	K7544	2015-12	Zinc chloride (Reagent)
2044	K7545	1979-02	Zinc powder
2045	K7546	1979-02	Zinc nitrate
2046	K7547	1979-02	Zinc oxide
2047	K7548	1979-02	Zinc sulfate
2048	K7549	1979-02	Zirconium nitrate
7708	K7550	withdrawn	Chemical reagent (Cesium chloride)
7709	K7551	withdrawn	Chemical reagent (m-aminophenol)
7710	K7552	1981-07	Chemical reagent (Chloroauric acid)
7711	K7553	1981-07	Chemical reagent uracil (2, 4 - Dioxypyrimidine)
7712	K7554	1988-10	Chemical reagent (Ethyl mercaptan)
7713	K7555	1981-07	Chemical reagent (Anthranilic acid) (o - Aminobenzoic acid)
7714	K7556	1981-07	Chemical reagent (Anthracene)
7715	K7557	1981-07	Chemical reagent (Sulfur)
7716	K7558	1997-08	4-Aminoantipyrine (Reagent)
7717	K7559	withdrawn	Chemical reagent (Benzyl benzoate)
7718	K7560	1981-07	Chemical reagent (Indole)
7719	K7561	1988-10	Chemical reagent (Calcium chloride for moisture testing)
7720	K7562	1981-07	Aluminum acetate, basic
7721	K7563	1981-07	Triphenyltetrazolium chloride
7722	K7564	1981-07	Sodium oleate
7723	K7565	1981-07	Orange G
7730	K7566	withdrawn	Chemical reagent [Alizarin yellow GG (Salicyl yellow)]
7731	K7567	withdrawn	Chemical reagent (Chloromethyloxirane)
7732	K7568	1981-07	Chemical reagent (Silver chloride)
7733	K7569	1981-07	Chemical reagent (Sodium perchlorate monohydrate)
7803	K7570	1988-10	Chemical reagent (Zinc powder)
7804	K7571	1981-08	Chemical reagent (Potassium arsenite)
7805	K7572	withdrawn	Chemical reagent (Isoamyl nitrite)
7806	K7573	withdrawn	Chemical reagent (Anisole)
7807	K7574	1981-08	Chemical reagent (Azobenzene)
7808	K7575	1981-08	Chemical reagent (Acetaldehyde)
7809	K7576	withdrawn	Chemical reagent (Acetamide)
7812	K7577	withdrawn	Chemical reagent (Oleic acid)
7813	K7578	withdrawn	Chemical reagent (Alizarin yellow R)
7814	K7579	withdrawn	Chemical reagent (Sulfuryl chloride)
7815	K7580	withdrawn	Chemical reagent (2-chloroethanol)
7816	K7581	1981-08	Chemical reagent (Inulin)
7817	K7582	1981-08	Chemical reagent (Potassium $\beta$ - indoleacetate)
7818	K7583	1981-08	Chemical reagent [Potassium hexachloroplatinate (IV)]

CNS no.	Category no.	Date of		Title
		Current edition		
7820	K7584	1981-08		Chemical reagent (Albumin from eggs)
7821	K7585	1981-08		Chemical reagent (Barium chlorate)
7822	K7586	1981-08		Chemical reagent (Zirconium oxychloride)
7823	K7587	withdrawn		Chemical reagent (Auramine)
8026	K7588	withdrawn		Chemical reagent (Acetophenone)
8027	K7589	1985-04		Chemical reagent (Sodium selenite)
8028	K7590	1981-10		Chemical reagent (Hydrazinium (II) dichloride)
8029	K7591	withdrawn		Chemical reagent(Dimethyl-p-phenylenediamine dihydrochloride)
8030	K7592	1981-10		Chemical reagent (Phenylhydrazine hydrochloride)
8138	K7593	1981-11		Chemical reagent (Inositol)
8139	K7594	1981-11		Chemical reagent (4-Amino-3-hydroxy-1-naphthalenesulfonic acid)
8140	K7595	withdrawn		Chemical reagent (Stannic chloride, hydrate)
8141	K7596	withdrawn		Chemical reagent (Thionyl chloride)
8142	K7597	1981-11		Chemical reagent (0 - Phenanthroline hydrochloride)
8517	K7598	withdrawn		Chemical reagent (Aluminium powder)
8518	K7599	1982-02		Chemical reagent (Monomethylamine hydrochloride)
8519	K7600	1982-02		Chemical reagent (Cinchonine hydrochloride)
8520	K7601	1982-02		Chemical reagent (Thorium chloride)
8521	K7602	withdrawn		Chemical reagent (Ethyl 3-oxobutanate)
8844	K7603	1982-05		Chemical reagent (Potassium o- ethyl dithiocarbonate)
8845	K7604	1988-10		Chemical reagent (triethyl orthoformate)
8846	K7605	1982-05		Chemical reagent ( p-Xylenol blue ) p-Xylenol blue
8847	K7606	1982-05		Chemical reagent (Carbazole)
8848	K7607	1982-05		Chemical reagent (Xanthine ) (2, 6-Dioxopurine )
8849	K7608	1988-10		Chemical reagent (Quinoline)
8850	K7609	1982-05		Sodium metaperiodate
8851	K7610	1982-05		Ethyl carbamate (Urethane)
8852	K7611	1982-05		Ammonium formate
8853	K7612	1982-05		Xylene cyanol FF
8985	K7613	1982-06		Chemical reagent (Appearance, state of solution and turbidimetric test)
8986	K7614	1982-06		Chemical reagent (Turbidity standard)
8987	K7615	1982-06		Chemical reagent (Acidity and alkalinity determination)
8988	K7616	1982-06		Chemical reagent (Dry loss determination)
8989	K7617	1982-06		Chemical reagent (Gravity determination)
8990	K7618	1982-06		Chemical reagent (Refractive index determination)
8991	K7619	1982-06		Chemical reagent (Ammonium salt nitrates and total nitrogen determination)
8992	K7620	1982-06		Chemical reagent (Fatty oil, fatty acids and higher alcohol determination)
8993	K7621	1982-06		Chemical reagent (Determination of colored material of sulfuric acid)
8994	K7622	1982-06		Chemical reagent (Flame test)
8995	K7623	1982-06		Chemical reagent (Absorptivity determination)
8996	K7624	1982-06		Chemical reagent (Paper chromatograph -aminoacid)
9008	K7625	1982-06		Chemical reagent (Casein sodium)
9009	K7626	1982-06		Chemical reagent (n-Capric acid )
9010	K7627	withdrawn		Chemical reagent (n-caproic acid )
9285	K7628	1988-10		Chemical reagent (Tetrachloride)
9286	K7629	withdrawn		Chemical reagent (Marble)
9287	K7630	1982-08		Chemical reagent (Chloroacetic acid )
9288	K7631	1988-10		Chemical reagent (Butanone)
9289	K7632	1982-08		Chemical reagent (Aluminum sulfate, anhydrous )
9290	K7633	1982-08		Chemical reagent (P- Aminophenol )
9291	K7634	1982-08		Chemical reagent (Catechol )
9292	K7635	withdrawn		Chemical reagent (Canada balsam)
9293	K7636	1982-08		Chemical reagent (Sodium bromide)
9294	K7637	1982-08		Chemical reagent (Petroleum benzene)
9295	K7638	withdrawn		Chemical reagent (Potassium sodium carbonate )

## Chemical Industry

CNS no.	Category no.	Date of		Title
		Current edition		
9296	K7639	1982-08		Chemical reagent (Maleic acid)
9297	K7640	1982-08		Chemical reagent (Silicon dioxide )
9298	K7641	1982-08		Chemical reagent (Nickel )
9299	K7642	1982-08		Chemical reagent (Silver chromate )
9300	K7643	1982-08		Chemical reagent (Polyvinyl alcohol )
9406	K7644	1982-09		Chemical reagent (1,2-Dichloroethane)
9407	K7645	1982-09		Chemical reagent (Hide powder)
9408	K7646	1982-09		Chemical reagent (Trichloroethylene)
9409	K7647	1982-09		Chemical reagent (Triphenylchloromethane)
9410	K7648	1982-09		Chemical reagent (Pyrrole)
9411	K7649	1982-09		Chemical reagent (P - phenylenediamine)
9507	K7650	1982-10		Chemical reagent (2 - Methyl-1-propanol)
9508	K7651	withdrawn		Chemical reagent (2-butanol)
9509	K7652	withdrawn		Chemical reagent (2-methyl-2-propanol)
9510	K7653	1982-10		Chemical reagent (n-Propanol)
9511	K7654	1982-10		Chemical reagent (Benzophenone)
9512	K7655	1982-10		Chemical reagent (Maltose)
9513	K7656	1982-10		Chemical reagent (L-Leucine)
9514	K7657	withdrawn		Chemical reagent (L-isoleucine)
9515	K7658	1982-10		Chemical reagent (1, 1, 2, 2-Tetrachloroethane)
9516	K7659	1982-10		Chemical reagent (Isopropyl ether)
9517	K7660	1982-10		Chemical reagent (O-Phenylenediamine)
9518	K7661	1982-10		Chemical reagent (N-Bromosuccinimide)
10101	K7662	1983-03		Chemical reagent (Silver cyanide)
10102	K7663	1983-03		Chemical reagent (Sodium dichromate)
10103	K7664	1983-03		Chemical reagent (Paraffin)
10104	K7665	1983-03		Chemical reagent (Liquid paraffin)
10105	K7666	1983-03		Chemical reagent (Acetylacetone)
10106	K7667	1983-03		Chemical reagent (Hexane)
10107	K7668	1983-03		Chemical reagent (Iodine trichloride)
10108	K7669	1983-03		Chemical reagent (Methyl salicylate)
10109	K7670	1983-03		Chemical reagent (Crystal violet)
10110	K7671	1983-03		Chemical reagent (Silver powder)
10276	K7672	1983-05		Chemical reagent (p-Nitrophenylhydrazine)
10277	K7673	withdrawn		Chemical reagent (Octadecyl alcohol)
10278	K7674	1983-05		Chemical reagent (Lead powder)
10279	K7675	withdrawn		Chemical reagent (2, 5-Dinitrophenol)
10280	K7676	1983-05		Chemical reagent (Starch)
10281	K7677	1983-05		Chemical reagent (Manganese nitrate)
10282	K7678	withdrawn		O-Nitrophenol
10283	K7679	1983-05		P-Nitrophenol
10284	K7680	1983-05		Chemical reagent (1,3 Dinitrobenzene)
10444	K7681	withdrawn		Chemical Reagent (Calibration of Vessels Scale for Volumetric Determinations) (→ CNS 9179)
10725	K7682	1983-12		Chemical reagent (Antimony trioxide)
12897	K7683	1991-08		Hydrogen hexachloroplatinate (IV) hexahydrate
12983	K7684	1992-05		Standard substances for volumetric analysis
13255	K7685	1993-09		O-tolidine dihydrochloride
13256	K7686	1993-09		Mercury (II) thiocyanate
13729	K7687	1996-07		Disodium chromotropate dihydrate (Reagent)
13748	K7688	1996-07		Manganese ( II ) nitrate hexahydrate (Reagent)
14920	K7689	2005-05		Silver N,N-diethyl dithiocarbamate
14921	K7690	2005-05		Xylenol orange

## Miscellaneous

1067	K8001	1959-09		Cork sheet for gasket
1269	K8002	withdrawn		Leather (for sole use)
1270	K8003	withdrawn		Leather (for waist band)
1271	K8004	withdrawn		Leather (for upper use)



CNS no.	Category no.	Date of	
		Current edition	Title
2188	K8005	1965-09	Dextrin (industrial grade)
2192	K8006	1963-07	Non-ferrous metal polish
2200	K8007	withdrawn	Animal glue
2552	K8008	withdrawn	Detergent for metal pickling
3163	K8009	withdrawn	Liquid detergent (for printing and dyeing processes)
3212	K8010	withdrawn	Valve abrasive paste
3519	K8011	1973-01	Photographic printing paper for general use
3548	K8012	withdrawn	Dressing chrome inner leather
3734	K8013	withdrawn	Opaque
4277	K8014	1978-03	Correcting slip
5822	K8015	1980-07	Raw Hides of Cattle - Method of Trim
* 7706	K8016	2018-10	Leather for shoes
* 7707	K8017	withdrawn	Man-made upper material of shoes
9721	K8018	1982-12	Industrial Transmission Round Leather Belt
9722	K8019	1982-12	Industrial Transmission Flat Leather Belt
11453	K8020	1985-12	Hide Powder for Analysis of Vegetable Tannin Extracts
14998	K8021	2006-04	Ballistic resistant protective materials
15011	K8022	2006-06	Solar energy - Vocabulary (Solar thermal)
15032	K8023	2006-10	Solar energy - Calibration of field pyrhemometers by comparison to a reference pyrhemometer
15033	K8024	2006-10	Solar energy - Specification and classification of instruments for measuring hemispherical solar and direct solar radiation
15034	K8025	2006-10	Solar water heaters - Elastomeric materials for absorbers, connecting pipes and fittings - Method of assessment
15064-1	K8026-1	2007-01	Solar energy - Reference solar spectral irradiance at the ground at different receiving conditions - Part 1: Direct normal and hemispherical solar irradiance for air mass 1.5
15065	K8027	2007-01	Solar energy - Calibration of a pyranometer using a pyrhemometer
15066	K8028	2007-01	Solar energy - Calibration of field pyranometers by comparison to a reference pyranometer
15125-1	K8029-1	2007-10	Solar heating – Domestic water heating systems – Part 1 : Performance rating procedure using indoor test methods
15125-2	K8029-2	2007-10	Solar heating – Domestic water heating systems – Part 2 : Outdoor test methods for system performance characterization and yearly performance prediction of solar-only systems
15125-3	K8029-3	2007-10	Solar heating – Domestic water heating systems – Part 3 : Performance test for solar plus supplementary systems
15126	K8030	2007-10	Solar energy - Water heating systems - Guide to material selection with regard to internal corrosion
15165	K8031	2019-12	Test methods for solar thermal collectors
15165-1	K8031-1	withdrawn	Test methods for solar collectors – Part 1 : Thermal performance of glazed liquid heating collectors including pressure drop (replaced by CNS 15165)
15165-2	K8031-2	withdrawn	Test methods for solar collectors – Part 2 : Qualification test procedures (replaced by CNS 15165)
15165-3	K8031-3	withdrawn	Test methods for solar collectors – Part 3 : Thermal performance of unglazed liquid heating collectors (sensible heat transfer only) including pressure drop (replaced by CNS 15165)
15166	K8032	2008-01	Solar Energy - Field Pyranometers - Recommended practice for use
17225-1	K8033-1	2021-03	Solid biofuels – Fuel specifications and classes – Part 1: General requirements
17225-2	K8033-2	2021-03	Solid biofuels – Fuel specifications and classes – Part 2: Graded wood pellets
17225-6	K8033-6	2021-03	Solid biofuels – Fuel specifications and classes – Part 6: Graded non-wood pellets

## Relationship with Public Nuisance

3750	K9001	withdrawn	Method for determination of dissolved oxygen in polluted and waste
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## Chemical Industry

CNS no.	Category no.	Date of		Title
		Current edition		
				water
3751	K9002	withdrawn		Method for determination of biochemical oxygen demand in polluted and waste water
3752	K9003	withdrawn		Method of test for chemical oxygen demand (CODcr) in water (Potassium dichromate method)
3792	K9004	withdrawn		Method for determination of oil and grease in polluted and waste water
3793	K9005	withdrawn		Methods of test for industrial water solid matter and evaporation residue
3794	K9006	withdrawn		Method for determination of alkalinity in polluted and waste water
3795	K9007	withdrawn		Method of test for acidity in polluted and waste water
3796	K9008	withdrawn		Methods for determination of total sulphur oxides and sulphur dioxide in flue gas
3797	K9009	withdrawn		Method for measuring water content in stack gas
3798	K9010	withdrawn		Location for measurement of dust content in stack gas
3822	K9011	withdrawn		Method for determination of gross alpha radiation in polluted and waste water
3823	K9012	withdrawn		Method for determination of gross beta radiation in polluted and waste water
3916	K9013	2017-11		Standard method for collection and measurement of dustfall (settleable particulate matter)
3917	K9014	withdrawn		Method for determination at total suspended particles in atmosphere
3942	K9015	withdrawn		Methods for determination of ammonia nitrogen in polluted and waste water
3943	K9016	withdrawn		Method for determination of organic nitrogen in polluted and waste water
3944	K9017	withdrawn		Method for determination of total Kjeldahl nitrogen in polluted and waste water
4049	K9018	withdrawn		Composition analysis for waste gases of combustion equipments
4050	K9019	withdrawn		Method of measuring velocity and flow rate of stack gas
4051	K9020	withdrawn		Methods for determination of nitrate nitrogen in polluted and waste water
4052	K9021	withdrawn		Methods for determination of nitrite nitrogen in polluted and waste water
4084	K9022	withdrawn		Method of test for nitrogen dioxide in exhaust gases (Saltzman method)
4085	K9023	withdrawn		Method of test for oxides of nitrogen in exhaust gases: (PDS (Phenol disulfonic acid) method)
5222	K9024	withdrawn		Method of test for calcium and magnesium in water (Atomic absorption spectrophotometric method)
5223	K9025	withdrawn		Method of test for zinc in water (Atomic absorption, direct)
5224	K9026	withdrawn		Method of test for nickel in water (Atomic absorption, direct)
5225	K9027	withdrawn		Method of test for manganese in water (Atomic absorption, direct)
5462	K9028	withdrawn		Method of test for lead in water (Atomic absorption, direct)
5463	K9029	withdrawn		The method of test for cadmium in water (Atomic absorption, direct)
5464	K9030	withdrawn		Methods of test for copper in water
5465	K9031	withdrawn		Method of test for cobalt in water (Atomic absorption, direct)
5466	K9032	withdrawn		Method of test for iron in water (Atomic absorption, direct)
5467	K9033	withdrawn		The method of test for molybdenum in water (Atomic absorption spectrophotometry)
5468	K9034	withdrawn		Method of test for lead in water (Atomic absorption, chelation-extraction)
5576	K9035	withdrawn		Method of test for boron in water (Curcumin colorimetric method)
5577	K9036	withdrawn		Method of test for boron in water (Carmine colorimetric method)
5578	K9037	withdrawn		Method of test for cadmium in water (Dithizone method)
5579	K9038	withdrawn		Method of test for arsenic in water and wastewater (Silver diethyldithiocarbamate)
5858	K9039	withdrawn		Methods of test for chloride ion in waste water
5859	K9040	withdrawn		Method of test for zinc in water (Dithizone method)

CNS no.	Category no.	Date of		
		Current edition	Title	
5860	K9041	withdrawn	Method of test for hydroxide ion in water and wastewater	
5861	K9042	withdrawn	Method of test for aluminum in water (Fluorometric method)	
5862	K9043	withdrawn	Method of test for sulfate ion in water and wastewater (Gravimetric method)	
6226	K9044	withdrawn	Method of test for strontium in water (Flame photometric method)	
6227	K9045	withdrawn	Pretreatment for metals of group I and group II in polluted water and waste water	
6228	K9046	withdrawn	Method of test for bromide in water (Colorimetric method)	
6229	K9047	withdrawn	Method of test for lithium in water (Flame photometric method)	
6230	K9048	withdrawn	Method of test for iodide in water (Colorimetric method)	
6231	K9049	withdrawn	Method of test for potassium in water (Colorimetric method)	
6232	K9050	withdrawn	Method of test for nitrate ion in water	
6233	K9051	withdrawn	Method of test for specific gravity of water (Pycnometer method)	
6234	K9052	withdrawn	Method of test for vanadium in water	
6476	K9053	withdrawn	Method of test for cyclohexylamine in water	
6477	K9054	withdrawn	Method of test for morpholine in water	
6478	K9055	withdrawn	Method of test for dissolved oxygen in water (Colorimetric indigo carmine)	
6673	K9056	withdrawn	Method of test for concentrating and measuring trace quantities of copper in high-purity water used in the electronics industry	
6674	K9057	withdrawn	Method of test for silica in water and waste water (Gravimetric method)	
6675	K9058	withdrawn	Method of test for surface tension of water	
6676	K9059	withdrawn	Method of test for arsenic in water	
*	7052	K9060	withdrawn	Methods of test for industrial waste water general and treatment of sample
*	7053	K9061	withdrawn	Methods of test for industrial waste water (Appearance and physical properties)
7054	K9062	withdrawn	Method of test for chlorine in exhaust gas	
7055	K9063	withdrawn	Method of test for hydrogen chloride in exhaust gas	
7247	K9064	withdrawn	Methods of test for mass flow rate of industrial waste water	
7251	K9065	withdrawn	Methods of test for chemical oxygen demand (CODMn) in water	
7252	K9066	withdrawn	General rule of measuring methods for airborne dust concentration in environmental atmosphere	
7439	K9067	withdrawn	Method of test for ammonium ion in water	
7440	K9068	withdrawn	Method of test for formaldehyde in water	
7810	K9069	withdrawn	Methods of test for fluorine compounds in exhaust gas	
7811	K9070	withdrawn	Methods of test for hydrogen sulfide in exhaust gas	
*	8031	K9071	withdrawn	Method of test for residual chlorine in waste water
*	8032	K9072	withdrawn	Method of test for TC (Total carbon) and TOC (Total organic carbon) in water and waste water
8302	K9073	withdrawn	Method of test for n-hexane extract in waste water - Soxhlet extractor method	
8303	K9074	withdrawn	Method of test for n-hexane extract in waste water - Solution method	
8304	K9075	withdrawn	Methods of test for n-hexane extract in waste water – Liquid extraction method	
8305	K9076	withdrawn	Method of test for unvolatile hydrocarbons in waste water	
*	8418	K9077	withdrawn	Method of test for cyanide in industrial waste water Pyridin – pyrazolane method
8419	K9078	withdrawn	Method of test for cyanide in industrial waste water – Mercury thiocyanate method	
8420	K9079	withdrawn	Method of test for cyano-compounds in industrial wastewater (Silver nitrate method)	
8599	K9080	withdrawn	Method of test for sulfite ion in industrial waste water	
8600	K9081	withdrawn	Method of test for sulfide ion in industrial waste water	
8601	K9082	withdrawn	Method of test for sulfate ion in industrial waste water - Spectrophotometric method	

## Chemical Industry

CNS no.	Category no.	Date of	
		Current edition	Title
8602	K9083	withdrawn	Method of test for sulfate ion in industrial waste water – Turbidity method
8840	K9084	withdrawn	Method of test for magnesium in industrial waste water (Titrimetric method)
8841	K9085	withdrawn	Method of test for calcium in industrial waste water (Titrimetric method)
8842	K9086	withdrawn	Method of test for potassium in industrial waste water (Flame emission spectrophotometric method)
8843	K9087	withdrawn	Method of test for sodium in industrial waste water (Flame emission spectrophotometric method)
8997	K9088	withdrawn	Method of test for copper in industrial waste water – Spectrophotometric method
8998	K9089	withdrawn	Method of test for copper in industrial waste water – Atomic absorption spectrophotometric method
8999	K9090	withdrawn	Methods of test for copper in industrial waste water – Polarographic method
9000	K9091	withdrawn	Method of test for parathion, methyl-parathion and EPN in industrial waste water
9001	K9092	withdrawn	Method of test for pentachlorophenol in industrial waste water
9002	K9093	withdrawn	Methods of test for EDDP in industrial waste water
9181	K9094	withdrawn	Methods of test for phenols in industrial waste water
9182	K9095	withdrawn	Method of test for p-cresols in industrial waste water
9183	K9096	withdrawn	Methods of test for surface active agent in industrial waste water
9184	K9097	withdrawn	Methods of test for phosphate ion in industrial waste water - Stannous chloride method
9185	K9098	withdrawn	Method of test for mercaptan in exhaust gas (by spectrophotometric method)
9186	K9099	withdrawn	Method of test for ammonia in exhaust gas
9412	K9100	withdrawn	Method of test for phosphate in water and wastewater (Absorption spectrophotometry after ascorbic acid reduction)
9413	K9101	withdrawn	Method of test for silica in water and wastewater – Molybdisilicate method
9414	K9102	withdrawn	Method of test for silica in water and wastewater – Heteropoly blue method
10009	K9103	withdrawn	Method of test for fluoride in water and wastewater (Electrode method)
10010	K9104	withdrawn	Method of test for fluoride in water and wastewater (SPADNS method)
11169	K9105	withdrawn	Method of test for chemical oxygen demand in water (Alkaline permanganate method)
12686	K9106	withdrawn	Methods for determination of phenols in exhaust gas
12687	K9107	1990-03	Methods for determination of pyridine in exhaust gas
12688	K9108	withdrawn	Methods for determination of benzene in exhaust gas
12824	K9109	withdrawn	Methods of test for carbon monoxide in exhaust gas
12825	K9110	withdrawn	Methods of test for carbon disulfide in exhaust gas
13070	K9111	withdrawn	Method of test for color of water by colorimetric Method
13071	K9112	withdrawn	Method of test for color of water by spectrophotometric Method
13072	K9113	withdrawn	Method of test for turbidity of water by nephelometric method
13107	K9114	withdrawn	Method of test for chromium in water by atomic absorption spectrophotometry
13108	K9115	withdrawn	Method of test for chromium (VI) in water by spectrophotometric method
13109	K9116	withdrawn	Method of test for total mercury in water by flameless atomic absorption spectrophotometry
13199	K9117	withdrawn	Method of test for nitrogen oxides in ambient air (Chemiluminescence method)
13200	K9118	withdrawn	Method of test for nitrogen dioxide in ambient air (Modified griess-saltzman method)
13234	K9119	1993-08	Gas analysis - preparation of calibration gas mixtures (Permeation

CNS no.	Category no.	Date of		Title
		Current edition		
13257	K9120	withdrawn	method)	Method of test for sodium in industrial waste water (Flame atomic absorption spectrophotometry)
13258	K9121	withdrawn		Method of test for potassium in industrial waste water (Flame atomic absorption spectrophotometry)
13259	K9122	withdrawn		Method of test for calcium in industrial waste water (Flame atomic absorption spectrophotometry)
13260	K9123	withdrawn		Method of test for magnesium in industrial waste water (Flame atomic absorption spectrophotometry)
13348	K9124	withdrawn		Method of test for pH value of solid waste
13354	K9125	withdrawn		Method of analysis for total zinc in wastes by flame atomic absorption spectrophotometry
13381	K9126	withdrawn		Method of analysis for total cadmium in wastes by flame absorption spectrometry
13389	K9127	withdrawn		Method of test for arsenic in industrial waste extract

CNS no.	Category no.	Date of		Title
		Current edition		
<b>General</b>				
2336	L1001	1971-01		Glossary of terms used for fibers (Materials)
2337	L1002	1964-08		Glossary of terms used for fibers (Yarns)
2537	L1003	withdrawn		Gradation, standard of ladies full-fashioned stockings (for export)
3522	L1004	1975-02		Textiles Universal System for Designating Linear Density (Tex System)
3839	L1005	2014-08		Textiles - Tests for colour fastness - Grey scale for assessing change in colour
3840	L1006	2014-08		Textiles - Tests for colour fastness - Grey scale for assessing staining
3841	L1007	1998-08		Standard adjacent fabrics for staining of colour fastness test
3844	L1008	withdrawn		Color Fastness to Light (→CNS 3 8 4 5)
3847	L1009	withdrawn		Color Fastness to Washing (→CNS 1 4 9 4)
3848	L1010	withdrawn		Color Fastness to Water (→CNS 1 4 9 7)
3849	L1011	withdrawn		Color Fastness to Hot Water (→CNS 1 4 9 5)
3850	L1012	withdrawn		Color Fastness to Perspiration (→CNS 1 4 9 6)
3851	L1013	withdrawn		Color Fastness to Bleaching with Hypochlorite (→CNS 1 4 9 8)
3852	L1014	withdrawn		Color Fastness to Rubbing (→CNS 1 4 9 9)
5611	L1015	2009-07		General principles of physical testing methods for textiles
8148	L1016	2014-08		Textiles - Care labelling code using symbols
9899	L1017	withdrawn		Scale for Assessing the Intensity of Fluorescent Whitening Effect
9900	L1018	withdrawn		Scale for Assessing the Fastness of Fluorescent Whitened Textile
11551	L1019	1986-04		Definition of side (Left or right) of spinning machines
11552	L1020	1986-04		Definition of side (Left or right) of doubling machines, twisting machines and winding Machines
11553	L1021	1986-04		Definition of Side (Left or Right) of Weaving Preparatory Machines and Looms
12658	L1022	1990-01		Glossary of terms used for apparel ( Measuring part )
14517-1	L1023-1	2001-03		Glossary of terms used in fiber - Part 1 : Natural fibers
14517-2	L1023-2	2001-03		Glossary of terms used in fiber - Part 2 : Man-made fiber
14517-3	L1023-3	2001-03		Glossary of terms used in fiber - Part 3 : Materials except natural and man-made fibers
14585	L1024	2001-10		Designation of yarns by tex system
14706	L1025	2002-12		Glossary of terms used in textile industry—testing
14707	L1026	2002-12		Symbol marks for apparel pattern
14720	L1027	2003-04		Stitch types-Classification and terminology
14736	L1028	2003-06		Seam types—classification and terminology
* 14940	L1029	2014-08		Limit of free formaldehyde content in textiles
* 14945	L1030	2005-09		Assessment of antibacterial textiles for general use
14946	L1031	2005-09		Assessment of antibacterial textiles for medical use
* 14947	L1032	2005-09		Assessment of antifungal textiles
14999	L1033	2006-04		Assessment of wrinkle free textiles
* 15000	L1034	2010-08		Assessment of water-vapor permeable and liquid-water impermeable textiles
15001	L1035	2006-04		Assessment of solar ultraviolet protective fabrics
* 15290	L1036	2019-11		Safety of textiles (General requirements)
* 15291	L1037	2019-07		Safety of children's clothing – Cords and drawstrings on children's clothing – Specifications
15659-1	L1038-1	2013-05		Evaluation of moisture - absorbing and quick - drying properties in textiles - Part 1 : Combination test
15659-2	L1038-2	2013-05		Evaluation of moisture - absorbing and quick - drying properties in textiles - Part 2 : Moisture management test
15668	L1039	2013-07		Size designation of clothes

### Spare Parts of Textile Machines

576	L2001	withdrawn	Shuttle for Cotton Looms
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CNS no.	Category no.	Date of	
		Current edition	Title
577	L2002	withdrawn	Shuttle (for Automatic Cotton Loom)
578	L2003	withdrawn	Shuttle for Woolen and Worsted Looms
579	L2004	withdrawn	Shuttle for Filament Looms
581	L2005	withdrawn	Wooden Bobbin for Warp Yarn
582	L2006	withdrawn	Double-Purpose Spool (for Automatic Shuttle-Change Loom and Ring Spinning Bobbin)
583	L2007	withdrawn	Double-Purpose Spool (for Automatic Shuttle-Change Loom and Ring Spinning Bobbin)
584	L2008	withdrawn	Double-Purpose Spool (for Automatic Spool-Change Loom and Ring Spinning Bobbin)
585	L2009	withdrawn	Double-Purpose Spool (for Automatic Spool-Change Loom and Ring Spinning Bobbin)
586	L2010	withdrawn	Weft Bobbins for Shuttles
587	L2011	withdrawn	Roving Bobbins
588	L2012	withdrawn	Twisting Bobbins
589	L2013	withdrawn	Warping Bobbin for Cotton
590	L2014	withdrawn	Weft Bobbin for Cop Change
591	L2015	withdrawn	Short Spool for Weft Yarn (for Wool Loom)
592	L2016	withdrawn	Short Spool for Weft Yarn (for Silk Loom)
593	L2017	withdrawn	Wooden Spindle
594	L2018	withdrawn	Bobbin for Silk Winding
595	L2019	withdrawn	Cheese Bobbins
3842	L2020	withdrawn	Apparatus for testing of color fastness to perspiration
3843	L2021	withdrawn	Apparatus for testing of color fastness to rubbing
6581	L2022	withdrawn	Carpet thickness gauge
7171	L2023	withdrawn	Winding Bobbins for Italian Type Twisters
7172	L2024	withdrawn	Twisting Bobbins for Italian Type Twisters
7262	L2025	withdrawn	Paper Tube for Wool Spinning
7263	L2026	withdrawn	Plastic bobbins for ring spinning frame
8149	L2027	withdrawn	Apparatus for testing of colour fastness to washing
8604	L2028	withdrawn	Standard working widths of looms
8605	L2029	withdrawn	Cloth Rollers for Looms
8606	L2030	withdrawn	Drop Wires for Looms
8607	L2031	withdrawn	Letting-off Rollers for Filament Loom
8608	L2032	withdrawn	Handles for Filament Loom
8609	L2033	withdrawn	Reel
8610	L2034	withdrawn	Hank Reel
8611	L2035	withdrawn	Reed Wires
8612	L2036	withdrawn	Twisting Spindle (Italian Type)
8613	L2037	withdrawn	Twisting Yarn Guide (Italian Type)
8614	L2038	withdrawn	Winding Drum (Italian Type)
8615	L2039	withdrawn	Spindles for Bobbin (Italian Type)
8715	L2040	withdrawn	Picking Sticks for Cotton Looms
8716	L2041	withdrawn	Picking Sticks for Woollen and Worsted Looms
8717	L2042	withdrawn	Picking Sticks for Looms
8718	L2043	withdrawn	Yarn Beams for Woollen and Worsted Loom
8719	L2044	withdrawn	Heald Hook (for Woollen and Worsted Loom)
8720	L2045	withdrawn	Side Lever for Cotton Loom
8721	L2046	withdrawn	Reeds for Looms
8722	L2047	withdrawn	Flat Healds for Looms
8723	L2048	withdrawn	Weft Fork for Filament Loom
8724	L2049	withdrawn	Weight for Filament Looms
8725	L2050	withdrawn	Picker for Cotton Loom
8726	L2051	withdrawn	Pickers for Woollen and Worsted Loom
8727	L2052	withdrawn	Pickers for Looms
9024	L2053	withdrawn	Apparatus for testing of colour fastness to carbon arc lamp light
9521	L2054	withdrawn	Porous Sintered Metal Single Flange Rings
9522	L2055	withdrawn	Ring Holders for Porous Sintered Metal Single Flange Rings
9523	L2056	withdrawn	Porous Sintered Metal Vertical Rings

## Textile Industry

CNS no.	Category no.	Date of	
		Current edition	Title
9524	L2057	withdrawn	Porous Sintered Metal Conical Rings
9525	L2058	withdrawn	Single Flange Rings
9526	L2059	withdrawn	Ring Holders for Porous Sintered Metal Vertical and Conical Rings
9527	L2060	withdrawn	Rings for Ear-Shaped Travellers
9528	L2061	withdrawn	Wire Healds for Looms
9529	L2062	withdrawn	Warp beams for cotton loom
9530	L2063	withdrawn	Temples for Textile Machine
9726	L2064	withdrawn	Fluted rollers for spinning frames
9727	L2065	withdrawn	Shapes and dimensions of flutes of fluted rollers for fine spinning frames
9728	L2066	withdrawn	Fine spinning lappet
9729	L2067	withdrawn	Snail Wire
9730	L2068	withdrawn	Twisting Lappet
9731	L2069	withdrawn	Twisting Lappet Porcelain
9732	L2070	withdrawn	Drag Ball Housing
9733	L2071	withdrawn	Porcelain Guide
9734	L2072	withdrawn	QT Thread Guide
9735	L2073	withdrawn	Traveller for Spinning Machine
9736	L2074	withdrawn	Traveller for Twisting Ear Type
10173	L2075	withdrawn	Flyers for Roving Machines
10174	L2076	withdrawn	Fiber canses
10175	L2077	withdrawn	Garnett wires for cotton spinning system
10176	L2078	withdrawn	Loose Boss Roller for Spinning Frame
10177	L2079	withdrawn	Separator for ring spinning frame
10178	L2080	withdrawn	Flat Chains for Card
10179	L2081	withdrawn	Comb Blade for Flat Cards
10180	L2082	withdrawn	Double Flange Rings (Reversible Type)
10372	L2083	withdrawn	Fluted Rollers for Roving Frames
10373	L2084	withdrawn	Shapes and Dimensions of Flutes of Fluted Rollers for Roving Frames

## Testing and Inspection

580	L3001	withdrawn	Method of Test for Shuttles
596	L3002	withdrawn	Method of Test for Spinning and Weaving Bobbin
596-2	L3003	withdrawn	Method of Test for Spinning and Weaving Bobbins (Materials and Appearance)
596-3	L3004	withdrawn	Method of Test For Spinning and Weaving Bobbins (Dimension) (WITHDRAWN)
596-4	L3005	withdrawn	Method of Test for Spinning and Weaving Bobbins (Weight)
596-5	L3006	withdrawn	Method of Test for Spinning and Weaving Bobbins (Varnish Test)
596-6	L3007	withdrawn	Method of Test for Spinning and Weaving Bobbins (Spindle Coupling Test)
596-7	L3008	withdrawn	Method of Test for Spinning and Weaving Bobbins (Winding Speed and Amplitude Test)
596-8	L3009	withdrawn	Method of Test for Spinning and Weaving Bobbins (Flexural Test)
*	702	1985-09	Cotton Spun Yarns, Unfinished
	1116	withdrawn	Testing Standard for Steel Wire Heald
	1117	withdrawn	Testing Standard for Steel Reed
	1225	withdrawn	Method of Test for Viscose Rayon Filament (→CNS 1 3 5 8 4)
*	1226	1992-05	Sisal Fiber
*	1227	1992-05	Method of test for ramie fiber
	1312	withdrawn	Method of Test for Viscose Rayon Staple Fibers (→CNS 1 3 7 5 6)
	1335	1989-06	Method of Test for Woven Towel Fabrics
	1389	1988-09	Method of Test for Bast Fiber Bag
	1402	withdrawn	Method of Test for Polyvinylidene Chloride Filament Fiber
	1407	1992-05	Method of Test for Jute and Kenaf Fibers
	1444	1987-06	Method of Test for Hemp, Manila and Sisal Fibre Ropes



CNS no.	Category no.	Date of		Title
		Current edition		
1479	L3022	withdrawn		Method of Test for Cotton Fabrics (→CNS 1 2 9 1 5)
1481	L3023	withdrawn		Methods of Test for Woolen and Worsted Fabrics (→CNS 1 2 9 1 5)
1491	L3024	withdrawn		Testing Standard for Unfinished Rayon Filament Fabrics (for Export)
1492	L3025	withdrawn		Testing Standard for Finished Rayon Fiber Fabrics (for Export)
1493	L3026	1998-08		Method of test for colour fastness to daylight
* 1494	L3027	1999-10		Method of test for colour fastness to washing and laundering
1494-6	L3027-6	2015-10		Textiles – Tests for colour fastness – Colour fastness to domestic and commercial laundering
1494-7	L3027-7	2009-03		Textiles - Colour fastness to wet scrubbing of pigment printed textiles
1494-8	L3027-8	2009-03		Textiles - Colour fastness to domestic and commercial laundering using a non-phosphate reference detergent incorporating a low temperature bleach activator
1494-9	L3027-9	2009-03		Textiles - Colour fastness to domestic and commercial laundering- Oxidative bleach response using a non-phosphate reference detergent incorporating a low temperature bleach activator
1494-10	L3027-10	2008-05		Textiles - Colour fastness to washing with soap or soap and soda
1494-12	L3027-12	2009-03		Textiles - Colour fastness to industrial laundering
1495	L3028	1983-03		Method of test for colour fastness to hot water
* 1496	L3029	2015-10		Textiles – Tests for colour fastness – Colour fastness to perspiration
1497	L3030	2015-10		Textiles – Tests for colour fastness – Colour fastness to water
* 1498	L3031	1998-11		Method of test for colour fastness to bleaching with hypochlorite
* 1499	L3032	2008-05		Textiles - Colour fastness to rubbing
1500	L3033	withdrawn		Testing Standard for Cotton Fishing Net Twine
2050	L3034	1992-05		Method of Test for Linen (Flax) Fiber
2055	L3035	withdrawn		Method of Test for Woolen and Worsted Yarn (→CNS 1 1 2 6 3)
2079	L3036	2010-07		Shirts
2272	L3037	withdrawn		Method of Test for Linen Fabrics (→CNS 1 2 9 1 5)
2273	L3038	1994-03		Hard and Bast Woven Fabrics (Unfinished)
2274	L3039	withdrawn		Testing Standard for Linen Fabrics (for Export)
2275	L3040	withdrawn		Method of Test for Hard and Bast Fiber Yarns (→CNS 1 1 2 6 3)
2276	L3041	withdrawn		Method of Test for Nylon Staple Fibers (→CNS 1 3 7 5 6)
2277	L3042	withdrawn		Method of Test for Nylon Filament (→CNS 1 3 5 8 4)
2278	L3043	withdrawn		Method of Test for Nylon Filament Fabrics (→CNS 1 2 9 1 5)
2279	L3044	1984-02		Method of Test for Twisted Nylon Filament of Fishing Nets
2280	L3045	withdrawn		Inspection Standard of Knitted Hoses and Socks (for Export)
2281	L3046	withdrawn		Testing Standard for Cotton Sewing Threads (for Export)
2282	L3047	withdrawn		Method of Test for Mercerized Cotton Yarns and Cotton Yarn and Bleached Cotton Yarn (→CNS 1 1 2 6 3)
2284	L3048	withdrawn		Method of Test for Polyester Filament (→CNS 1 3 5 8 4)
2338	L3049	withdrawn		Method of Test for Mixed Yarns of Nylon and Viscose Staple Fibers (→CNS 1 1 2 6 3)
2339	L3050	withdrawn		Method of test for quantitative analysis of fibre mixtures
* 2339-1	L3050-1	2013-10		Method of test for fiber mixtures of textiles - Part 1: Testing methods for fiber identification
* 2339-2	L3050-2	2013-10		Method of test for fiber mixtures of textiles - Part 2: Quantitative analysis
* 2340	L3051	1986-06		Woolen and Worsted Yarns
2461	L3052	withdrawn		Method of Test for Polyamide (Nylon) Textured Yarns (→CNS 1 3 7 8 5)
2462	L3053	withdrawn		Inspection Standard of Narrow-width Textiles (Tentative) (for Export)
2504	L3054	withdrawn		Method of test for coir rope
2506	L3055	1985-11		Method of Test for Polyester Sewing Thread
2567	L3056	withdrawn		Method of Test for Polyester Staple Fibers (→CNS 1 3 7 5 6)
2569	L3057	withdrawn		Method of Test for Nylon Filament

## Textile Industry

		Date of		
CNS no.	Category no.	Current edition	Title	
2638	L3058	1984-07	Method of test for polymethyl acrylate resin treated waterproof nylon cloth	
2641	L3059	withdrawn	Method of Test for Silk Fabrics	
2685	L3060	withdrawn	Method of Test for Canvas Band	
2687	L3061	1980-08	Method of Test for Cattle Hair Felt (Packing)	
2689	L3062	1980-08	Method of Test for Felt	
2690	L3063	2008-12	Method of test for mold-proof and physical properties of textiles	
*	2709	L3064	1992-01	Method of Test for Cotton Canvas
	2769	L3065	withdrawn	Method of test for cotton gloves (for general use) (→CNS 2 7 6 8)
	3052	L3066	withdrawn	Blended Yarns
	3344	L3067	1972-06	Method of Test for Sisal Fiber
*	3394	L3068	1994-06	Mixed Woven Fabrics (Unfinished)
	3490	L3069	withdrawn	Method of Test for Polyacrylonitrile Staple (→CNS 1 3 7 5 6)
	3521	L3070	withdrawn	Method of Test for Hard and Bast Thread
	3679	L3071	withdrawn	Method of Test for Polyester Textured Yarns (→CNS 1 3 7 8 5)
	3729	L3072	1985-05	Method of test for cotton sewing thread
	3760	L3073	1987-06	Method of Test for Nylon Ropes
	3845	L3074	1998-10	Method of test for colour fastness to carbon arc lamp light
*	3846	L3075	2014-08	Textiles - Tests for colour fastness - Colour fastness to artificial light: Xenon arc fading lamp test
*	3854	L3076	1977-06	Method of test for the woven fabric defects
	3955	L3077	withdrawn	Method of test nylon sewing thread (replaced by CNS 3954)
	3957	L3078	1976-06	Method of Test for Vinylon Sewing Thread
	3958	L3079	withdrawn	Method of Test for Cotton System Spun Yarns (→CNS 1 1 2 6 3)
*	5610	L3080	withdrawn	Methods of testing for nonwoven fabrics
	5610-1	L3080-1	2021-12	Textiles – Test methods for nonwovens – Part 1: Determination of mass per unit area
	5610-2	L3080-2	2021-12	Textiles – Test methods for nonwovens – Part 2: Determination of thickness
	5610-3	L3080-3	2021-12	Textiles – Test methods for nonwovens – Part 3: Determination of tensile strength and elongation (strip method)
	5610-4	L3080-4	2021-12	Textiles – Test methods for nonwovens – Part 4: Determination of tear resistance
	5610-5	L3080-5	2021-12	Textiles – Test methods for nonwovens – Part 5: Determination of resistance to mechanical penetration (ball burst procedure)
	5610-6	L3080-6	2021-12	Textiles – Test methods for nonwovens – Part 6: Absorption
	5610-7	L3080-7	2021-12	Textiles – Test methods for nonwovens – Part 7: Determination of bending length
	5610-8	L3080-8	2021-12	Textiles – Test methods for nonwovens – Part 8: Determination of liquid strike-through time (simulated urine)
	5610-9	L3080-9	2021-12	Textiles – Test methods for nonwovens – Part 9: Determination of drapability including drape coefficient
	5610-10	L3080-10	2021-12	Textiles – Test methods for nonwovens – Part 10: Lint and other particles generation in the dry state
	5610-11	L3080-11	2021-12	Textiles – Test methods for nonwovens – Part 11: Run-off
	5610-12	L3080-12	2022-07	Textiles – Test methods for nonwovens – Part 12: Demand absorbency
	5610-13	L3080-13	2022-07	Textiles – Test methods for nonwovens – Part 13: Repeated liquid strike-through time
	5610-14	L3080-14	2022-07	Textiles – Test methods for nonwovens – Part 14: Coverstock wetback
	5610-15	L3080-15	2022-07	Textiles – Test methods for nonwovens – Part 15: Determination of air permeability
	5610-16	L3080-16	2022-07	Textiles – Test methods for nonwovens – Part 16: Determination of resistance to penetration by water (hydrostatic pressure)

CNS no.	Category no.	Date of		Title
		Current edition		
5610-17	L3080-17	2022-07		Textiles – Test methods for nonwovens – Part 17: Determination of resistance to penetration by water (spray impact)
5610-18	L3080-18	2022-07		Textiles – Test methods for nonwovens – Part 18: Determination of breaking strength and elongation of nonwoven materials using the grab tensile test
5612	L3081	2012-08		Method of test for the permeability of fabrics to air
5613	L3082	withdrawn		Method of test for bursting strength of fabrics (→CNS 1 2 9 1 5)
5614	L3083	1980-05		Method of testing for dimensional change of fabrics induced by free steam
5615	L3084	withdrawn		Method of test for stiffness of fabrics (→CNS 1 2 9 1 5)
5616	L3085	1980-05		Method of testing for recovery from creasing of fabrics
5618	L3086	1980-05		Method of Test for Nonwoven Fabrics Defects
6242	L3087	withdrawn		Determination of mass of fabrics (→CNS 1 2 9 1 5)
6243	L3088	withdrawn		Measurement of width of fabrics (→CNS 1 2 9 1 5)
6244	L3089	withdrawn		Measurement of length of fabrics (→CNS 1 2 9 1 5)
6245	L3090	withdrawn		Measurement of thickness of fabrics (→CNS 1 2 9 1 5)
6389	L3091	1980-08		Method of Testing for Recovery from Creasing of Wool Mixture Fabrics
6582	L3092	withdrawn		Machine-made textile floor coverings-determination of thickness (→CNS 1 3 5 9 3)
6583	L3093	withdrawn		Machine-made textile floor coverings-sampling and cutting specimens for physical test (→CNS 1 3 5 9 3)
6584	L3094	withdrawn		Textile floor coverings-determination of thickness loss after prolonged,heavy static loading (→CNS 1 3 5 9 4)
6585	L3095	withdrawn		Textile floor coverings-determination of thickness loss after brief,moderate static loading (→CNS 1 3 5 9 4)
6586	L3096	withdrawn		Textile floor coverings-determination of thickness loss under dynamic loading (→CNS 1 3 5 9 4)
6587	L3097	withdrawn		Machine-made textile floor coverings-determination of mass per unit area (→CNS 1 3 5 9 3)
6588	L3098	withdrawn		Rectangular textile floor coverings-determination of dimensions (→CNS 1 3 5 9 3)
6685	L3099	2013-12		Textiles - Preparation, marking and measuring of fabric specimens and garments in tests for determination of dimensional change
6686	L3100	withdrawn		Hand-made carpets-determination of pile length (→CNS 1 3 5 9 3)
6687	L3101	withdrawn		Hand-made carpets-determination of types of knots
6688	L3102	withdrawn		Hand-made carpets-sampling and selection of areas of test
* 6842	L3103	1989-12		Method of test for elastic articles
6934	L3104	1981-01		Textile Fibres - Determination of Length by Measuring Individual Fibres
6935	L3105	withdrawn		Method of Test for Resistance of Fabrics to Penetration by Water (Hydrostatic Head Test)
6936	L3106	1981-01		Wool - Determination of fiber diameter - Projection microscope method
7058	L3107	1995-04		Method of Test for Flammability of Textile Floor Coverings - Hot Metal Nut Method
7059	L3108	withdrawn		Dimensional stability of textile floor coverings determination of extension under mechanical action
7060	L3109	withdrawn		Dimensional stability of textile floor coverings determination of dimensional changes due to changes in ambient humidity
7061	L3110	withdrawn		Dimensional stability of textile floor coverings after exposure to heat and immersion in water
7264	L3111	1981-04		Method of test for plastic bobbins for ring spinning flame
7265	L3112	1981-04		Ropes - Sampling and Conditioning for Testing
7270	L3113	1987-06		Method of Test for Vinylon Ropes
7271	L3114	1987-06		Method of Test for Polyethylene Ropes
7272	L3115	1987-06		Method of Test for Polypropylene Ropes

## Textile Industry

CNS no.	Category no.	Date of		Title
		Current edition		
7273	L3116	1981-04		Method of Test for Cotton Ropes
7275	L3117	1985-05		Method of Test for Silk Sewing Thread
7277	L3118	withdrawn		Method of Test for Flax and Ramie Sewing Thread
7279	L3119	withdrawn		Method of test for polynosic sewing thread (replaced by CNS 7278)
7495	L3120	withdrawn		Test method for abrasion resistance of carpets (→CNS 1 3 5 9 5)
7496	L3121	1995-04		Method of Test for Flammability of Textile Floor Coverings - Surface Burning Test Method
7497	L3122	withdrawn		Carpets-determination of number of tufts per unit length and per unit area (→CNS 1 3 5 9 3)
7498	L3123	withdrawn		Carpets-test method for thickness of pile above the substrate (→CNS 1 3 5 9 3)
7499	L3124	withdrawn		Test method for tuft bind of pile floor coverings (→CNS 1 3 5 9 5)
7500	L3125	withdrawn		Carpets-test method for mass of pile above the substrate (→CNS 1 3 5 9 3)
7501	L3126	withdrawn		Method of sampling for cotton fibers
7502	L3127	withdrawn		Method of sampling for man-made staple fibers
7504	L3128	1981-06		Method of Test for Linen Canvas
7506	L3129	1981-06		Method of Test for Ramie Canvas
7508	L3130	1981-06		Method of Test for Mixed Canvas
7737	L3131	withdrawn		Method of test for linen interlining cloth (unfinished) (→CNS 1 2 9 1 5)
7739	L3132	withdrawn		Method of test for flax or rami interlining cloth (→CNS 1 2 9 1 5)
7741	L3133	withdrawn		Method of test for linen or jute canvas for waterproof roofing of car (→CNS 1 2 9 1 5)
7743	L3134	withdrawn		Method of test for cotton cloth for rubber hose (→CNS 1 2 9 1 5)
7745	L3135	withdrawn		Method of test for cotton fabrics for rubber belt (→CNS 1 2 9 1 5)
8035	L3136	1983-06		Method of test for sports shirts
8037	L3137	2003-06		Method of test for pajamas
8038	L3138	2013-12		Method of test for dimensional change of woven fabrics
8039	L3139	1981-10		Testing method for stretch properties of stretch woven fabrics
8040	L3140	2003-06		Testing methods for pilling of woven fabrics and knitted fabrics
8146	L3141	withdrawn		Method of test for lining cloths of chemical fiber for suiting
8150	L3142	1981-11		Methods of test for seam strength of clothes
8306	L3143	1982-01		Method of test for tensile strength of fibers
8307	L3144	withdrawn		Method of Test for Tensile Strength of Filament Yarns (→CNS 1 3 5 8 4)
8308	L3145	withdrawn		Method of Test for Filament Rayon Twist Yarn (→CNS 1 1 2 6 3)
8309	L3146	1983-06		Method of test for training pants
8311	L3147	withdrawn		Method of test for working wear
8312	L3148	1982-01		Methods of test for electrostatic propensity of woven and knitted fabrics
8313	L3149	2012-08		Method of test for the smoothness appearance of fabrics after repeated home laundering
*	8429	L3150	2014-08	Textiles - Tests for colour fastness - General principles of testing
	8430	L3151	2014-08	Textiles - Tests for colour fastness - Colour fastness to sea water
	8431	L3152	1999-08	Method of test for colour fastness to organic solvents
	8432	L3153	1998-10	Method of test for colour fastness to rubbing with organic solvents
	8433	L3154	1982-01	Method of Test for Colour Fastness to Steaming
	8434	L3155	2014-08	Textiles - Tests for colour fastness - Colour fastness to drycleaning using perchloroethylene solvent
	8532	L3156	1999-10	Method of test for colour fastness to hot pressing
	8533	L3157	1982-02	Method of Test for Colour Fastness to Sublimation in Storage
	8616	L3158	1982-03	Method of Test for Colour Fastness to Mercerizing

CNS no.	Category no.	Date of		Title
		Current edition		
8617	L3159	1982-03		Method of Test for Colour Fastness to Soda Boiling
8618	L3160	1982-03		Method of Test for Colour Fastness to Degumming
8619	L3161	1998-11		Method of test for colour fastness to bleaching with peroxide
8620	L3162	1999-08		Method of test for colour fastness to stoving
8621	L3163	1999-08		Method of test for colour fastness to bleaching with sodium chlorite
8707	L3164	1982-04		Method of Test for Chemical Fiber Tire Cords
8708	L3165	1982-04		Determination of the contents of extractable matter in textile materials (Organic solvents method)
8709	L3166	1982-04		Determination of the Contents of Ash and Sulfur in Textile Materials
8710	L3167	withdrawn		Determination of the Average Polymerization Degree of Rayon Fiber
8711	L3168	withdrawn		Methods of test for colour fastness to resin finish
8712	L3169	1982-04		Method of Test for Colour Fastness to Vulcanizing with Sulphur Monochloride
8713	L3170	1982-04		Methods of Test for Colour Fastness to Steam Vulcanizing
8714	L3171	1982-04		Method of test for colour fastness to vulcanizing with hot air
9015	L3172	1998-11		Method of test for colour fastness to formaldehyde
9016	L3173	1982-06		Method of test for colour fastness to nitrogen oxides
9017	L3174	2015-10		Textiles – Tests for colour fastness – Colour fastness to chlorinated water (Swimming-pool water)
9018	L3175	2016-08		Textiles - Tests for colour fastness - Colour fastness to spotting: Water
9019	L3176	2016-08		Textiles - Tests for colour fastness - Colour fastness to spotting: Acid
9020	L3177	2016-08		Textiles - Tests for colour fastness - Colour fastness to spotting: Alkali
9021	L3178	1998-12		Method of test for colour fastness to dry heating
9022	L3179	1999-10		Method of test for colour fastness to high temperature steaming
9023	L3180	1982-06		Method of test for colour fastness to pleating
9188	L3181	1982-07		Method of Test for Jute Felt
9305	L3182	1982-08		Method of Test for Colour Fastness to Cross - Dyeing of Wool
9306	L3183	1982-08		Method of Test for Colour Fastness to Chlorination
9307	L3184	1982-08		Method of Test for Colour Fastness to Decatizing
9308	L3185	1999-08		Method of test for colour fastness to potting
9309	L3186	1982-08		Method of Test for Colour Fastness to Alkali Milling
9310	L3187	1999-08		Method of test for colour fastness to carbonizing with aluminium chloride
9311	L3188	1999-08		Method of test for colour fastness to carbonizing with sulphuric acid
9312	L3189	1999-08		Method of test for colour fastness to metals in the dyebath chromium salts
9313	L3190	1982-08		Method of Test for Colour Fastness to Metals in the Dyebath: Iron and Copper
9626	L3191	1982-11		Method of test for Nylon textile webbing (For special purpose)
9901	L3192	1983-01		Methods of test for colour fastness to light of fluorescent whitening agents and fluorescent textiles
9902	L3193	1998-10		Method of test for colour fastness to light and perspiration
9903	L3194	2015-10		Textiles – Tests for colour fastness – Detection and assessment of photochromism
9905	L3195	withdrawn		Method of test for cotton cloth for umbrella (→ CNS 1 2 9 1 5 )
*	10285	L3196	1995-11	Method of Test for Flammability of Textiles
	10286	L3197	withdrawn	Method of Test for Flammability of Clothes - Test for Burning Speed (→ CNS 1 0 2 8 5 )
	10287	L3198	withdrawn	Method of Test for Flammability of Clothes - Number Test of Ignition (→ CNS 1 0 2 8 5 )
	10375	L3199	1983-06	Method of Test for Interlining Hair Cloth
	10377	L3200	1983-08	Method of Test for Gunny Cloths
*	10460	L3201	2019-10	Textiles – Determination of resistance to water penetration – Hydrostatic pressure test
*	10461	L3202	2012-08	Method of test for water repellency of textile fabrics - Spray test
	10461-1	L3202-1	2012-08	Method of test for water repellency of textile fabrics - Bundesmann

## Textile Industry

		Date of		
CNS no.	Category no.	Current edition	Title	
				rain-shower test
10462	L3203	1983-07		Method of Test for Water Resistance of Clothes-Rain Test
10512	L3204	withdrawn		Method of test for cotton tire cord and cord fabrics for automobiles
10817	L3205	1984-03		Method of Test for Twisted Spun Vinylon Yarn for Fishing Nets
10818	L3206	1984-03		Method of Test for Twisted Polyvinylidene Chloride and Polyvinyl Chloride Filament Yarns for Fishing Nets
	10819	L3207	1984-03	Method of Test for Synthetic Fiber Fishing Net
	10967	L3208	1987-06	Method of Test for Polyester Ropes
*	10968	L3209	1996-11	Method of Test for the Knitted Fabric Defects
	11075	L3210	1984-10	Methods of test for wool fibers and hairs
	11076	L3211	1984-10	Methods of Test for Raw Wool
	11077	L3212	1984-10	Methods of Test for Scoured Wool
	11078	L3213	1984-10	Methods of Test for Wool Top
	11079	L3214	withdrawn	Scale for assessing the brightness of wool top
	11080	L3215	1984-10	Identification of dyestuff classes on dyed textiles
	11263	L3216	2003-11	Methods of test for spun yarn
	11308	L3217	2012-01	Method of test for oil repellency of fabrics - Hydrocarbon resistance
	11309	L3218	2012-08	Method of test for soil release of fabrics – Oily stain release test
	11310	L3219	1985-07	Method of test for soil redeposition, resistance to Launder-Ometer
	11311	L3220	1985-07	Method of Test for Soil Redeposition Resistance to Terg-o-Tometer
	11621	L3221	1986-06	Method of Test for Nylon Tire Cord Fabric
	11767	L3222	1986-11	Method of Test for Raw Silk Filament
*	12222	L3223	2009-07	Methods of test for water vapour permeability of textiles
	12471	L3224	withdrawn	Methods of test for cotton fiber
	12474	L3225	1988-12	Method of test for shrinkage percentage by ironing of woven and knitted fabrics
	12475	L3226	1988-12	Method of test for snag of woven fabrics and knitted fabrics
	12649	L3227	1989-12	Method of test for hoor and loop fastener
	12878	L3228	1991-06	Methods of test for bagging of woven and knitted fabrics
	12879	L3229	1991-06	Methods of test for distortion and slippage of yarn in woven fabrics
	12898	L3230	1991-08	Method of test for migration of dyestuffs and finishing agents on woven fabrics and knitted fabrics
	12899	L3231	1991-08	Identification of fluorescent brightening agents classes on textiles
	12914	L3232	1991-09	Method of Test for Pile Retention of Woven and Knitted Fabrics
*	12915	L3233	2010-05	Method of test for fabrics
*	12943	L3234	1991-12	Method of test for resin finished woven and knitted fabrics
	13584	L3235	2003-10	Method of test for man-made filament yarns
	13593	L3236	1995-10	Methods of Test for Construction of Textile Floor Coverings
	13594	L3237	1995-10	Methods of Test for Loss of Thickness by Loading of Textile Floor Coverings
	13595	L3238	1995-10	Methods of Test for Several Characteristics of Textile Floor Coverings
*	13601	L3239	2020-11	Method of test for flammability of children's sleepwear
	13749	L3240	1996-07	Method of Test for Light Blocking Effect of Curtain Materials
	13750	L3241	1996-07	Method of Test for Frosting Due to Yarn Reversing of Woven and Knitted Fabrics
	13751	L3242	1996-07	Methods of Test for Sliding Frictional Melting of Woven and Knitted Fabrics
	13752	L3243	1996-07	Methods of Test for Knitted Fabrics
	13756	L3244	1996-09	Methods of Test for Man-made Staple Fibers
	13785	L3245	1996-10	Methods of Test for Synthetic Filament Textured Yarns
	13905	L3246	1997-05	Methods of test for water absorbency of textiles
	13906	L3247	2013-12	Method of test for assessing the smoothness appearance of seams in fabrics after cleansing
*	13907	L3248	1997-05	Methods of test for antibacterial of textiles
	13924	L3249	2010-05	Tile carpet
	13929	L3250	1997-08	Methods of test for flocked fabrics
	13980	L3251	2013-12	Method of test for assessing the appearance of creases in fabrics after cleansing

CNS no.	Category no.	Date of		Title
		Current edition		
13981	L3252	1997-11		Methods of test for blankets
13982	L3253	withdrawn		Methods of test for feathers
13982-1	L3253-1	2017-12		Methods of test for bulk down and feather – Part 1: Conditioning
13982-2	L3253-2	2017-12		Methods of test for bulk down and feather – Part 2: Sampling
13982-3	L3253-3	2017-12		Methods of test for bulk down and feather – Part 3: Composition (content analysis)
13982-4	L3253-4	2017-12		Methods of test for bulk down and feather – Part 4: Determination of the oil and fat content
13982-5	L3253-5	2017-12		Methods of test for bulk down and feather – Part 5: Determination of the moisture content
13982-6	L3253-6	2017-12		Methods of test for bulk down and feather – Part 6: Determination of the acidity (pH value)
13982-7	L3253-7	2017-12		Methods of test for bulk down and feather – Part 7: Determination of oxygen number
13982-8	L3253-8	2017-12		Methods of test for bulk down and feather – Part 8: Determination of fill power with steam conditioning
13982-9	L3253-9	2017-12		Methods of test for bulk down and feather – Part 9: Determination of turbidity
13982-10	L3253-10	2017-12		Methods of test for bulk down and feather – Part 10: Determination of feather and down species
13982-11	L3253-11	2017-12		Methods of test for bulk down and feather – Part 11: Feather pre-sort
13982-12	L3253-12	2017-12		Methods of test for bulk down and feather – Part 12: Determination of average feather length
13982-13	L3253-13	2021-08		Methods of test for bulk down and feather – Part 13: Composition of blended materials
13982-14	L3253-14	2017-12		Methods of test for bulk down and feather – Part 14: Determination of color separation
13982-15	L3253-15	2017-12		Methods of test for bulk down and feather – Part 15: Determination of net fill weight
13982-16	L3253-16	2017-12		Methods of test for bulk down and feather – Part 16: Determination of durable water repellent treatments
14167	L3254	1998-06		Method of test for synthetic fiber wadding
14821	L3255	2004-04		Method of test for nonwoven fabrics of medical use
* 15102	L3256	2015-10		Textiles – Physiological effects – Measurement of thermal and water-vapour resistance under steady-state conditions (sweating guarded-hotplate test)
15103	L3257	2007-08		Textiles - Determination of abrasion resistance of fabrics by the Martindale method - Part 1 : Martindale abrasion testing apparatus
15104	L3258	2007-08		Textiles - Determination of abrasion resistance of fabrics by the Martindale method - Part 2 : Determination of specimen breakdown
15105	L3259	2007-08		Textiles - Determination of abrasion resistance of fabrics by the Martindale method - Part 3 : Determination of mass loss
15106	L3260	2007-08		Textiles - Determination of abrasion resistance of fabrics by the Martindale method - Part 4 : Assessment of appearance change
15107	L3261	2007-08		Textiles - Method for assessing appearance of apparel and other textile end products after domestic washing and drying
15139	L3262	2007-12		Rubber or plastics-coated fabrics - Determination of coating adhesion
15140	L3263	2019-10		Textiles – Domestic washing and drying procedures for textile testing
15141	L3264	2007-12		Textiles - Determination of fabric propensity to surface fuzzing and to pilling : Pilling box method
15142	L3265	2007-12		Textiles - Determination of fabric propensity to surface fuzzing and to pilling : Modified Martindale method
15204	L3266	withdrawn		Leather – Chemical tests – Determination of certain azo colourants in dyed leathers(replace by CNS 15204-1)
15204-1	L3266-1	2019-11		Leather – Chemical tests for the determination of certain azo colorants in dyed leathers – Part 1: Determination of certain aromatic amines derived from azo colorants

## Textile Industry

	CNS no.	Category no.	Date of		Title
			Current edition		
	15204-2	L3266-2	2019-11		Leather – Chemical tests for the determination of certain azo colorants in dyed leathers – Part 2: Determination of 4-aminoazobenzene
	15205-1	L3267-1	withdrawn		Textiles – Methods for the determination of certain aromatic amines derived from azo colorants – Part 1: Detection of the use of certain azo colorants accessible without extraction(replace by CNS 16113-
	15205-2	L3267-2	withdrawn		Textiles – Methods for the determination of certain aromatic amines derived from azo colorants – Part 2: Detection of the use of certain azo colorants accessible by extracting the fibres(replace by CNS
	15280	L3268	2009-07		Standard test method for tension and elongation of elastic fabrics (constant-rate-of-extension type tensile testing machine)
*	15579	L3270	2012-10		Textiles – Determination of surfactant – Alkylphenol ethoxylates
	15580-1	L3271-1	2012-10		Textiles – Determination of formaldehyde – Part 1: Free and hydrolysed formaldehyde (Water extraction method)
	15580-2	L3271-2	2012-10		Textiles – Determination of formaldehyde – Part 2: Released formaldehyde (Vapour absorption method)
*	15687	L3272	2013-09		Method of test for the instantaneous cool sensation fabrics
	15808	L3273	2017-09		Determination of perfluorooctane sulphonate (PFOS) – LC/MS method
	17299-1	L3274-1	2018-08		Textiles – Determination of deodorant property – Part 1: General principle
	17299-2	L3274-2	2018-08		Textiles – Determination of deodorant property – Part 2: Detector tube method
	17299-3	L3274-3	2018-12		Textiles – Determination of deodorant property – Part 3: Gas chromatography method
	16061	L3275	2018-08		Burning behaviour of textile and textile products – Vocabulary
	16062	L3276	2018-08		Textile fabrics – Burning behaviour – Determination of ease of ignition of vertically oriented specimens
	16063	L3277	2018-08		Textile fabrics – Burning behaviour – Measurement of flame spread properties of vertically oriented specimens
	18080-1	L3278-1	2018-12		Textiles – Test methods for evaluating the electrostatic propensity of fabrics – Part 1: Test method using corona charging
	18080-2	L3278-2	2018-12		Textiles – Test methods for evaluating the electrostatic propensity of fabrics – Part 2: Test method using rotary mechanical friction
	16081-1	L3279-1	2018-12		Protective clothing – Electrostatic properties – part 1: Test method for measurement of surface resistivity
	16081-3	L3279-3	2018-12		Protective clothing – Electrostatic properties – Part 3: Test methods for measurement of charge decay
	16113-1	L3280-1	2019-10		Textiles – Methods for determination of certain aromatic amines derived from azo colorants – Part 1: Detection of the use of certain azo colorants accessible with and without extracting the fibres
	16113-3	L3280-3	2019-10		Textiles – Methods for determination of certain aromatic amines derived from azo colorants – Part 3: Detection of the use of certain azo colorants, which may release 4-aminoazobenzene
	18219	L3281	2019-11		Leather – Determination of chlorinated hydrocarbons in leather – Chromatographic method for short-chain chlorinated paraffins(SCCP)
	17881-1	L3282-1	2020-11		Textiles – Determination of certain flame retardants – Part 1: Brominated flame retardants
	17881-2	L3282-2	2020-11		Textiles – Determination of certain flame retardants – Part 2: Phosphorus flame retardants

## Materials and Products

*	819	L4001	1994-06	Cotton Woven Fabrics (Unfinished)
*	966	L4002	1992-05	Ramie Fiber
*	1224	L4003	1995-12	Viscose Rayon Filament
*	1311	L4004	1996-12	Viscose rayon staple fibers
	1388	L4005	1988-09	Bast Fiber Bag
	1390	L4006	withdrawn	Ramie,Flax and Wool Rugs (→CNS 1 3 5 9 1、1 3 5 9 2)



CNS no.	Category no.	Date of		Title
		Current edition		
1401	L4007	withdrawn		Polyvinylidene Chloride Fiber
1405	L4008	1992-05		Jute Fiber
1406	L4009	1992-05		Kenaf Fiber
1442	L4010	withdrawn		Grease for textile products
1443	L4011	1987-06		Hemp, Manila and Sisal Fibre Ropes
1452	L4012	withdrawn		Wheat starch (for sizing)
*	1475	1985-09		Viscose Rayon Spun Yarns, Cotton System, Unfinished
*	1476	1994-06		Viscose Rayon Staple Fiber Woven Fabrics (Unfinished)
*	1477	1994-06		Viscose Rayon Staple Fiber Woven Fabrics (Finished)
*	1478	1994-06		Silk Woven Fabrics (Unfinished)
1480	L4017	withdrawn		Cotton Blanket and Viscose Rayon Blanket (for Export)
2049	L4018	1992-05		Linen (Flax) Fiber
*	2204	1994-06		Cotton Woven Fabrics (Finished)
2205	L4020	1994-03		Cotton Velvet and Cotton Corduroy Fabrics (Unfinished)
2206	L4021	1994-03		Cotton Velvet and Cotton Corduroy Fabrics (Finished)
*	2283	L4022	1995-12	Polyester Filament
2285	L4023	2010-07		Lido collar shirts
2374	L4024	withdrawn		Black Flat Shoe Cords
2375	L4025	withdrawn		Shoe cards for sport shoes
2376	L4026	withdrawn		Cotton Weaven Collar Liner Cloth
2412	L4027	withdrawn		Knitted cotton underwear for winter (for men)
2413	L4028	withdrawn		Knitted cotton under-trousers for winter (for men)
2414	L4029	withdrawn		Silicone treated fabrics for rain coat cloth
*	2460	L4030	1996-12	Polyamide (Nylon) Textured Yarns
2503	L4031	withdrawn		Coir Rope
*	2505	L4032	1985-11	Polyester Sewing Threads
2562	L4033	withdrawn		Corduroy Cloth (Both Side)
2563	L4034	withdrawn		Cotton Serge
2564	L4035	withdrawn		Lining Cloth for Winter Clothes
2565	L4036	withdrawn		Lining Cloth for Rain Coates
*	2566	L4037	1996-12	Polyester Staple Fibers
*	2568	L4038	1995-12	Nylon - 6
*	2637	L4039	1984-07	Polymethyl acrylate resin treated waterproof nylon cloth
2639	L4040	withdrawn		Lining Cloth
2640	L4041	withdrawn		Silk Fabric
2684	L4042	withdrawn		Canvas Band
2686	L4043	1980-08		Cattle Hair Felt (for packing)
2688	L4044	1980-08		Felt
2707	L4045	withdrawn		Cotton yarn tire cord
2708	L4046	2001-12		Cotton canvas
2768	L4047	1998-04		Machine knitted cotton gloves
2811	L4048	2010-07		Bed sheets
3087	L4049	withdrawn		Cotton Belt for Pants
3240	L4050	withdrawn		Polyester Bond Fabrics for Shirt Collar
3284	L4051	withdrawn		Knitted Fabric for Shoe Lining
3393	L4052	withdrawn		Polyvinyl Alcohol Fiber Canvas
3486	L4053	withdrawn		Stretcher Canvas
3487	L4054	withdrawn		Canvas Cot
3488	L4055	withdrawn		Cotton canvas for sport shoes
*	3489	L4056	1996-12	Polyacrylonitrile Staple Fibers (Regular Type)
3520	L4057	withdrawn		Hard and Bast Thread
3579	L4058	withdrawn		Nylon Thread for Leather Shoes
3676	L4059	withdrawn		Sponge, Surgical (→ CNS 4 3 9 7)
*	3677	L4060	1996-12	Polyester Pre-orientated Yarns
*	3678	L4061	1996-12	Polyester Textured Yarns
3713	L4062	withdrawn		Cloth, Lens Cleaning (One Side Finished Velvet)
3728	L4063	1985-05		Cotton Sewing Thread
*	3759	L4064	1987-06	Nylon Ropes
*	3853	L4065	1994-06	Mixed Woven Fabrics (Finished)

## Textile Industry

		Date of		
CNS no.	Category no.	Current edition	Title	
	3855	L4066	1994-03	Hard and Bast Woven Fabrics (Finished)
*	3856	L4067	1994-06	Silk Woven Fabrics (Finished)
*	3954	L4068	2018-10	Nylon sewing thread
	3956	L4069	1976-06	Vinylon Sewing Thread
	4397	L4070	1999-03	Gauze, absorbent
	4767	L4071	1985-09	Cotton Blended Spun Yarns and Viscose Rayon Blended Spun Yarns, Cotton System, Finished
*	4888	L4072	1996-12	Tow of Man-made Fibers
	4889	L4073	1996-12	Top of Man-made Fibers
	4890	L4074	1996-12	Blended Top of Man-made Fibers
*	4891	L4075	1996-12	Polyacrylonitrile Staple Fibers (Shrinkable Type)
*	5617	L4076	2022-07	Textiles – Nonwoven interlining fabrics
	5889	L4077	1993-08	Rayon Filament Fabrics (Unfinished)
	5890	L4078	1993-08	Rayon Filament Fabrics (Finished)
	5891	L4079	1993-08	Nylon Filament Fabrics (Unfinished)
	5892	L4080	1993-08	Nylon Filament Fabrics (Finished)
*	5893	L4081	1994-06	Polyester Staple Fiber Woven Fabrics (Unfinished)
*	5894	L4082	1994-06	Polyester Staple Fiber Woven Fabrics (Finished)
*	5895	L4083	1993-08	Polyester Filament Fabrics (Unfinished)
*	5896	L4084	1993-08	Polyester Filament Fabrics (Finished)
*	5897	L4085	1989-06	Woven Towel Fabrics (Unfinished)
*	5898	L4086	1989-06	Woven Towel Fabrics (Finished)
	5899	L4087	2010-07	Woven towel and woven towel blankets
	5900	L4088	1989-06	Products of Woven Towel Fabrics
	6367	L4089	1986-02	Vinylon Spun Yarns, Cotton System, Unfinished
	6368	L4090	1986-02	Vinylon Blended Spun Yarns, Cotton System, Unfinished
	6369	L4091	1985-09	Nylon Spun Yarns, Cotton System, Unfinished
	6370	L4092	1985-09	Nylon Blended Spun Yarns, Cotton System, Unfinished
*	6371	L4093	1985-09	Polyester Spun Yarns, Cotton System, Unfinished
*	6372	L4094	1985-09	Polyester Blended Spun Yarns, Cotton System, Unfinished
	6373	L4095	1985-11	Polyacrylonitrile Blended Spun Yarns, Cotton System, Unfinished
*	6374	L4096	1985-11	Polyacrylonitrile Spun Yarns, Cotton System, Unfinished Regular Yarn
	6375	L4097	1985-09	Cotton Blended Spun Yarns and Viscose Rayon Blended Spun Yarns, Cotton System, Unfinished
*	6376	L4098	1985-11	Polyacrylonitrile Spun Yarns, Cotton System, Unfinished Bulky Yarn
	6377	L4099	1985-09	Mergerized cotton spun yarns
	6378	L4100	1985-09	Cotton Spun Yarns, Finished
	6379	L4101	1985-09	Viscose Rayon Spun Yarns, Cotton System, Finished
*	6380	L4102	1985-11	Polyacrylonitrile Spun Yarns, Cotton System, Finished Regular Yarn
	6381	L4103	1985-11	Polyacrylonitrile Blended Yarns, Cotton System, Finished
	6382	L4104	1986-02	Vinylon Spun Yarns, Cotton System, Finished
	6383	L4105	1986-02	Vinylon Blended Yarns, Cotton System, Finished
	6384	L4106	1985-09	Polyester Spun Yarns, Cotton System, Finished
*	6385	L4107	1985-09	Polyester Blended Spun Yarns, Cotton System, Finished
	6386	L4108	1985-09	Nylon Blended Spun Yarns, Cotton System, Finished
	6387	L4109	1985-09	Nylon Spun Yarns, Cotton System, Finished
*	6388	L4110	1985-11	Polyacrylonitrile Spun Yarns, Cotton System, Finished Bulky Yarn
	6689	L4111	2012-01	Knitted underpants
*	6690	L4112	2010-07	Knitted undershirt
	6691	L4113	1985-09	Nylon Spun Yarns, Worsted System, Unfinished
	6692	L4114	1985-09	Nylon Spun Yarns, Worsted System, Finished
	6693	L4115	1988-01	Polyacrylonitrile Blended Yarns, Worsted System, Unfinished
	6694	L4116	1985-11	Polyacrylonitrile Blended Yarns, Worsted System, Finished
	6695	L4117	1985-11	Polyacrylonitrile Yarns, Worsted System, Unfinished
	6696	L4118	1988-01	Polyacrylonitrile Yarns, Worsted System, Finished
	6841	L4119	1989-12	Elastic articles
	7062	L4120	1986-06	Blended Woolen Yarns, Unfinished
	7063	L4121	1986-06	Blended Woolen Yarns (Finished)

		Date of		
CNS no.	Category no.	Current edition	Title	
	7064	L4122	1986-06	Blended Worsted Yarns Unfinished
*	7065	L4123	1986-06	Blended Worsted Yarns, Finished
	7266	L4124	1981-04	Cotton Rope
	7267	L4125	1987-06	Vinylon Ropes
*	7268	L4126	1987-06	Polyethylene Ropes
*	7269	L4127	1987-06	Polypropylene Ropes
	7274	L4128	1981-04	Silk Sewing Thread
	7276	L4129	withdrawn	Flax and Ramie Sewing Thread
	7278	L4130	2018-10	Polynosic sewing thread
	7503	L4131	1981-06	Linen Canvas
	7505	L4132	1981-06	Ramie Canvas
	7507	L4133	1981-06	Mixed Canvas
	7736	L4134	withdrawn	Linen interlining cloth (unfinished)
	7738	L4135	withdrawn	Flax or rami interlining cloth
	7740	L4136	withdrawn	Linen or jute canvas for waterproof roofing of car
	7742	L4137	withdrawn	Cotton cloth for rubber hose
	7744	L4138	withdrawn	Cotton fabrics for rubber belt
	8034	L4139	2010-07	Woven sports shirts
	8036	L4140	2010-07	Pajamas
	8145	L4141	withdrawn	Lining cloths of chemical fiber for suiting
	8147	L4142	withdrawn	Rubber Elastic Articles (Used for Bra) (→ CNS 6 8 4 1 )
	8310	L4143	withdrawn	Working wear
	9187	L4144	1982-07	Jute Felts
	9625	L4145	1982-11	Nylon Textile Webbing (for Special Purpose)
	9627	L4146	1982-11	Polyester canvas
	9904	L4147	withdrawn	Cotton cloth for umbrella
	10374	L4148	1983-06	Interlining Hair Cloth
	10376	L4149	1983-06	Gunny Cloths
*	10966	L4150	1987-06	Polyester Ropes
*	10969	L4151	1996-11	Knitted Fabrics (Unfinished)
*	10970	L4152	1996-11	Knitted Fabrics (Finished)
	11508	L4153	1986-02	Linen and Ramie Yarns, Cotton System, Unfinished
	11620	L4154	1986-06	Nylon Tire Cord Fabric
	11662	L4155	1998-03	Pile knitted fabrics
	11766	L4156	1986-11	Raw Silk Filament
	12443	L4157	1994-06	Polyacrylonitrile Woven Fabrics (Finished)
	12444	L4158	1994-06	Wool Woven Fabrics (Finished)
	12648	L4159	1989-12	Nylon hoor and loop fastener
	12659	L4160	1990-11	Basic measurement for shirts
	13591	L4161	1995-10	Woven Carpets
	13592	L4162	1995-10	Tufted Carpets
	15472	L4163	2011-05	Method of test for architectural membrane
	15538	L4164	2012-01	Knitted sports shirts
	15909	L4165	2016-05	High visibility clothing – Test methods and requirements
	16146-1	L4166-1	2020-12	Textile child care articles – Safety requirements and test methods for children’s cot duvets – Part 1: Duvet (excluding duvet covers)
	16147	L4167	2020-12	Textile child care articles – Safety requirements and test methods for children’s cot bumpers
	16148	L4168	2020-12	Textile child care articles – Safety requirements and test methods for children’s sleep bags for use in a cot

CNS no.	Category no.	Date of Current edition	Title
<b>Materials</b>			
204	M1001	withdrawn	Betuminous coal for coking(for export form taiwan area)
205	M1002	withdrawn	Betuminous coal(for export from taiwan area)
1007	M1003	withdrawn	Coke for blast furnace
1008	M1004	withdrawn	Foundry coke
1118	M1005	withdrawn	Fuel coal
1445	M1006	withdrawn	Low carbon anthracite (for export tqiwan area)
*	2080	1963-03	Dolomite
	2081	withdrawn	Sulfur (Industrial grade)
	2207	1970-02	Limestone
	2508	withdrawn	Coking coal
	2642	withdrawn	Iron sulfide for industrial use
	2643	withdrawn	Fluorite
	2644	withdrawn	Anthracite (for taiwan area)
	3345	withdrawn	Coke for general purpose
	3346	withdrawn	Coke for producer
*	3897	1985-08	Marbles
	6495	withdrawn	Muscovite mica blocks, thins and films — Visual classification
	6496	withdrawn	Muscovite mica blocks thins and films — Methods for grading by size
	6497	withdrawn	Phlogopite mica block thin and splittings — Method for grading by size
	6498	withdrawn	Phlogopite mica splittings — Thermal classification
	6499	withdrawn	Mica blocks, thins, films and splittings — Measurement of thickness
	11264	withdrawn	Chrysotile Asbestos
	14448	2000-07	Granite dimension stone
	14449	2000-07	Slate dimension stone
	14450	2000-07	Quartz-based dimension stone
	14451	2000-07	Limestone dimension stone
<b>Tools for Miners</b>			
2415	M2001	withdrawn	Safety cap lamps
2764	M2002	withdrawn	Gelatinous permissible explosives for coal mines (For Taiwan area)
2765	M2003	withdrawn	Powdered permissible explosives for coal mines(for taiwan area)
2766	M2004	withdrawn	Gelatinous explosives
2867	M2005	withdrawn	General Rules for Explosion-proof Construction of Electric Machineries and Apparatuses of Mines
2867-1	M2005-1	withdrawn	Endurance Pressure Flameproof Explosion-proof Construction of Electric Machineries and Apparatuses of Mines
2867-2	M2005-2	withdrawn	Lamina Protected Explosion-proof Construction of Electric Machineries and Apparatuses of Mines
2867-3	M2005-3	withdrawn	Oil Immersed Explosion-proof Construction of Electric Machineries and Apparatuses of Mines
2867-4	M2005-4	withdrawn	Pressurized Explosion-proof Construction of Electric Machineries and Apparatuses of Mines
2867-5	M2005-5	withdrawn	Increase Safety Explosion-proof Construction of Electric Machineries and Apparatuses of Mines
2867-6	M2005-6	withdrawn	Intrinsic Safety Explosion-proof Construction of Electric Machineries and Apparatuses of Mines
2867-7	M2005-7	withdrawn	Explosion-proof Construction of Electric Machineries and Apparatuses
2867-8	M2005-8	withdrawn	Loose Prevention Frame for Explosion-proof Construction of Electric Machineries and Apparatuses of Mines
2867-9	M2005-9	withdrawn	Terminals Box for Explosion-proof Construction of Electric Machineries and Apparatuses of Mines
2867-10	M2005-10	withdrawn	Line Connection of Terminal Box for Explosion-proof Construction of

CNS no.	Category no.	Date of		Title
		Current edition		
2867-11	M2005-11	withdrawn		Electric Machineries and Apparatuses of Mines Outer Conductor and Terminal Box Connection for Explosion-proof Construction of Electric Machineries and Apparatuses of Mines
2867-12	M2005-12	withdrawn		Outer Conductor Connection for Explosion-proof Construction of Electric Machineries and Apparatuses of Mines
2941	M2006	withdrawn		Condenser discharge type blasting machines
3173	M2007	withdrawn		Mine safety signs
3174	M2008	withdrawn		Safety electric lamps for mining
3175	M2009	withdrawn		Electric sheathed wires for safety lamps
3285	M2010	withdrawn		Steel pipes for ventilation in mines
3524	M2011	withdrawn		Welded three-link chain for mine car
3525	M2012	withdrawn		Connector for mine car
3680	M2013	withdrawn		Dynamo type blasting machine
5242	M2014	withdrawn		Interferometer type instrumental gas detector for inflammable gas
5243	M2015	withdrawn		Flame safety lamps
5244	M2016	withdrawn		Biram type anemometer
5245	M2017	withdrawn		Screw threads for detachable rock-bit
5246	M2018	withdrawn		CA-7 type coal picks
5247	M2019	withdrawn		Rod taper for detachable rock bit
5248	M2020	withdrawn		Coal pick steel
5249	M2021	withdrawn		Friction prop
5250	M2022	withdrawn		Link bar
5251	M2023	withdrawn		I section steels and fish plates for mine
5252	M2024	withdrawn		Carbon monoxide detector with colour-intensity type tubes
5253	M2025	withdrawn		Carbon monoxide detector with length-of-stain type detector tubes
5254	M2026	withdrawn		Thermal anemometer for mines (Portable type)
5256	M2027	withdrawn		Safety sheathed explosive
5355	M2028	withdrawn		Diamond core bits for core drills
5356	M2029	withdrawn		Diamond reaming shells for core drills
5357	M2030	withdrawn		Tungsten carbide bits and bit blanks for core drills
5358	M2031	withdrawn		Shot bits for core drills
5359	M2032	withdrawn		Core shells for core drills
5360	M2033	withdrawn		Core shell couplings for core drills
5361	M2034	withdrawn		Core barrel for core drills
5362	M2035	withdrawn		Core barrel heads for core drills
5363	M2036	withdrawn		Drill rods for core drills
5364	M2037	withdrawn		Drill rod couplings for core drills
5365	M2038	withdrawn		Casings for core drills
5369	M2039	withdrawn		Forged three-link chain
5370	M2040	withdrawn		Connector shackle for double chain conveyor and high-tensile round-link steel chains for mining
5371	M2041	withdrawn		Scraper for mine double chain conveyor
5372	M2042	withdrawn		Trough for mine double chain conveyor
5373	M2043	withdrawn		Round link chain for mine double chain conveyor
5374	M2044	withdrawn		V type trough conveyor chain for mine
5375	M2045	withdrawn		H type trough conveyor chain for mine
5619	M2046	withdrawn		Chuck bushing for rock drill
5620	M2047	withdrawn		Shape and dimension of shank for drill rod
5621	M2048	withdrawn		Shape and dimension of shank for drill shank rod
5622	M2049	withdrawn		Shape and dimension of water tube for rock drill
5623	M2050	withdrawn		Rock drill rods
5624	M2051	withdrawn		Insert drill steels
5625	M2052	withdrawn		Shape and dimension of joint in extension rod for rock drill
5626	M2053	withdrawn		Shape and dimension of air and water hose connections for rock drill
5901	M2054	withdrawn		Interferometer type gas alarms
5902	M2055	withdrawn		Hot wire type gas alarms
5904	M2056	withdrawn		Non-sparking beryllium copper alloy tools-open-end spanners
5905	M2057	withdrawn		Non-sparking beryllium copper alloy tools-chisels
5906	M2058	withdrawn		Non-sparking beryllium copper alloy tools-hand hammers

## Mining

CNS no.	Category no.	Date of	
		Current edition	Title
5907	M2059	withdrawn	Non-sparking beryllium copper alloy tools—sledge hammers
5908	M2060	withdrawn	Non-sparking beryllium copper alloy tools—drum plug openers
5909	M2061	withdrawn	Non-sparking beryllium copper alloy tools—adjustable wrenches
5910	M2062	withdrawn	Non-sparking beryllium copper alloy tools—pipe wrenches
5911	M2063	withdrawn	Non-sparking beryllium copper alloy tools—screw drivers
5912	M2064	withdrawn	Non-sparking beryllium copper alloy tools—offset wrenches
5913	M2065	withdrawn	Non-sparking beryllium copper alloy tools—pliers
5914	M2066	withdrawn	Non-sparking beryllium copper alloy tools—cutting pliers
5915	M2067	withdrawn	Non-sparking beryllium copper alloy tools—picks
6592	M2068	withdrawn	Axial flow type local fans
6593	M2069	withdrawn	Centrifugal type local fans
6597	M2070	withdrawn	Track laying standard for mine locomotives
6598	M2071	withdrawn	Portable hoist for mines
6599	M2072	withdrawn	Vinyl coated-cloth tube for ventilation
6600	M2073	withdrawn	Portable polarizing microscope for sampling and determining incombustible matter in coal and rock-dust mixture
6601	M2074	withdrawn	Gas pressure type moisture detector in coal and rock-dust mixtures
6699	M2075	withdrawn	Grinding balls and gylpebs
6700	M2076	1998-10	Light weight rescue apparatus
* 6701	M2077	1996-10	Safety belts (Faster type)
6702	M2078	withdrawn	Traction batteries used in coalmine for explosion-proof type locomotives
6703	M2079	withdrawn	Plug connection devices for explosion-proof type battery locomotives
6704	M2080	withdrawn	Traction battery boxes for explosion-proof type battery locomotives
6705	M2081	1998-10	Oxygen self rescuers
6843	M2082	withdrawn	Bucket elevator for coal washing
6844	M2083	withdrawn	Bucket for rope ways
6845	M2084	withdrawn	Round link chain for coal plough
6846	M2085	withdrawn	Shackle of round link chain for coal plough
6847	M2086	withdrawn	Explosion-proof type battery locomotives
7746	M2087	withdrawn	Wire netting for packing partitions in mines
9415	M2088	withdrawn	High-tensile round-link steel chains for mining; dimension and requirements
9417	M2089	withdrawn	High-tensile round-link steel chains for mining; safety chain
12422	M2090	withdrawn	Plyrock powdered permissible explosives for coal mines(for taiwan area)

## Testing and Inspection

10	M3001	withdrawn	Method of Test for Coal and Coke (→CNS 10820)
284	M3002	withdrawn	General rules for chemical analysis of manganese ores
289	M3003	withdrawn	Method of test for pyrite
292	M3004	withdrawn	Method of chemical test for zinc blend
2082	M3005	withdrawn	Method of test for sulfur of industrial grade
2507	M3006	withdrawn	Free swelling index of coal
2767	M3007	withdrawn	Method of test for industrial explosives
2942	M3008	withdrawn	Method of test for condenser discharge type blasting machines
3378	M3009	withdrawn	Method of Test for Explosion-proof Constructions of Electric Machineries and Apparatuses of Mines
3681	M3010	withdrawn	Method of test for dynamo type blasting machine
5366	M3011	withdrawn	Indirected test method for tensile strength of rock
5367	M3012	withdrawn	Method of test for compressive strength of rock
5368	M3013	withdrawn	Methods of sampling of rock and preparation of test piece for strength test
5376	M3014	2002-10	Iron ores—General rules for chemical analysis
5376-1	M3014-1	2002-08	Iron ores —Methods for determination of sodium content
5376-2	M3014-2	2002-08	Iron ores—Method for determination of potassium content
5376-3	M3014-3	2002-08	Iron ores—Methods for determination cobalt content
5376-4	M3014-4	2002-08	Iron ores—Method for determination of combined water content

CNS no.	Category no.	Date of		Title
		Current edition		
5376-5	M3014-5	2002-08		Iron ores—Methods for determination of total iron content
5376-6	M3014-6	2002-08		Iron ores—Method for determination of acid soluble iron (II) content
5376-7	M3014-7	2002-08		Iron ores—Method for determination of silicon content
5376-8	M3014-8	2002-10		Iron ores—Method for determination of manganese content
5376-9	M3014-9	2003-06		Iron ores—Method for determination of phosphorus content
5376-10	M3014-10	2002-10		Iron ores—Methods for determination of sulfur content
5376-11	M3014-11	2003-06		Iron ores—Methods for determination of copper content
5376-12	M3014-12	2002-10		Iron ores—Method for determination of titanium content
5376-13	M3014-13	2003-06		Iron ores—Methods for determination of aluminium content
5376-14	M3014-14	2003-06		Iron ores—Methods for determination of calcium content
5376-15	M3014-15	2003-06		Iron ores—Methods for determination of magnesium content
5376-16	M3014-16	2003-11		Iron ores—Methods for determination of nickel content
5376-17	M3014-17	2003-11		Iron ores—Methods for determination of chromium content
5376-18	M3014-18	2003-11		Iron ores—Method for determination of vanadium content
5376-19	M3014-19	2003-11		Iron ores—Method for determination of arsenic content
5376-20	M3014-20	2003-11		Iron ores—Method for determination of tin content
5376-21	M3014-21	2002-10		Iron ores—Method for determination zinc content
5376-22	M3014-22	2002-10		Iron ores—Method for determination of lead content
5376-23	M3014-23	2003-11		Iron ores—Methods for determination of bismuth content
5377	M3015	withdrawn		Methods for determination of sodium oxide and potassium oxide in iron ores
5378	M3016	withdrawn		Methods for determination of cobalt in iron ores
5379	M3017	withdrawn		Methods for determination of combined water in iron ores
5380	M3018	withdrawn		Methods for determination of ferrous oxide in iron ores
5381	M3019	withdrawn		Methods for determination of silicon dioxide in iron ores
5382	M3020	withdrawn		Methods for determination of manganese in iron ores (→CNS 5 3 7 6 – 8)
5383	M3021	withdrawn		Methods for determination of sulphur in iron ores (→CNS 5 3 7 6 – 1 0)
5903	M3022	withdrawn		Non-ignition testing methods for non-sparking beryllium copper alloy tools
6594	M3023	withdrawn		Stranded wire ropes for mine hoisting - technical delivery requirement
6595	M3024	withdrawn		Strandend wire ropes for mine hoisting - fibre components - characteristics and tests
6596	M3025	withdrawn		Stranded wire ropes for mine hoisting-impregnating compound lubricants and service dressings characteristics and tests
6698	M3026	withdrawn		Method of test for grinding work index
6706	M3027	withdrawn		Method of performance test for rock drill
6708	M3028	withdrawn		Method of performance test for air auger drills
6937	M3029	withdrawn		Methods for chemical analysis of refined sulfur
6938	M3030	withdrawn		Testing methods of filler and coating clay for paper
6939	M3031	withdrawn		Quality standard of rock dust used in coal mines
7280	M3032	withdrawn		Methods for sampling of metal bearing ores of copper, lead, zinc, tin, gold, silver and others
7281	M3033	1981-04		General rules for determination of gold and silver in ores
7282	M3034	1981-04		Methods for determination of gold and silver in silicate ores
7283	M3035	1981-04		Methods for determination of gold and silver in oxide ores
7284	M3036	1981-04		Methods for determination of gold and silver in sulphide ores
7285	M3037	1981-04		Method for determination of gold and silver in ores with tellurium
7286	M3038	1981-04		Methods for determination of gold and silver in ores with bismuth
7287	M3039	withdrawn		Methods for determination of gold and silver in cyanidation precipitates
7288	M3040	withdrawn		Methods for determination of gold and silver in mattes and speises
7289	M3041	withdrawn		Methods for determination of gold and silver in blister coppers
7290	M3042	1981-04		Methods for determination of gold and silver in crude bullions
7291	M3043	withdrawn		Method for determination of copper in blister coppers
7441	M3044	withdrawn		Methods for sampling and determination of moisture content of blister copper

## Mining

CNS no.	Category no.	Date of		Title
		Current edition		
7442	M3045	withdrawn		Methods for sampling and determination of moisture content of cyanidation precipitates
7443	M3046	1981-05		Methods for sampling of crude bullion
7509	M3047	withdrawn		Method for determination of nikel in ores (Dimethylglyoxime gravimetric method)
7510	M3048	withdrawn		Method for determination of nikel in ores (EDTA titration method after sepating Ni with dimethylglyoxime)
7511	M3049	withdrawn		Method for determination of nikel in ores (Potassium cyanide direct titration method)
7512	M3050	withdrawn		Method for determination of nikel in ores (Dimethylglyoxime absorptiometric method)
7513	M3051	withdrawn		Methods for determination of tin in ores
7514	M3052	withdrawn		Method for determination tungsten in ores (Melting method)
7515	M3053	withdrawn		Method for determination of tungsten in ores (Acid decomposition method)
7516	M3054	withdrawn		Method for determination of cobalt in ores (Gravimetric method)
7517	M3055	withdrawn		Method for determination of cobalt in ores (Potentiometric method)
7518	M3056	withdrawn		Method for determination of cobalt in ores (Polarographic method)
7519	M3057	withdrawn		Method for determination of cobalt in ores (Absorptiometric method)
7520	M3058	withdrawn		Method for determination of antimony in ores
7824	M3059	withdrawn		Method for determinaion of combined water in manganese ores (Gravimetric method)
7825	M3060	withdrawn		Method for determination of manganese in manganese ores (Sodium bismuthate oxidization method)
7826	M3061	withdrawn		Method for determination of manganese in manganese ords potassium (Permanganate direct titration method)
7827	M3062	withdrawn		Method for determination of manganese inmanganese ords (Sodium oxalate direct titration method)
7828	M3063	withdrawn		Method for determination of active oxygen in manganese ores (Ferrous sulfate method)
7829	M3064	withdrawn		Method for determination of active oxygen in manganese ores (Sodium oxalate method)
7830	M3065	withdrawn		Method for determination of irod in manganese ores (Potassium dichromate titration method)
7831	M3066	withdrawn		Method for determination of iron in manganese ores (O - phenanthroline absorptionmetric method)
7832	M3067	withdrawn		Method for determination of silicon dioxide in manganese ores (Gravimetric method)
7833	M3068	withdrawn		Method for determination of sulfur in manganese ores (Gravimetric method)
7834	M3069	withdrawn		Method for determination of aluminium oxide in manganese ores (Titration method)
7835	M3070	withdrawn		Method for determination of calcium oxide in manganese ores (Potassium permanganate titration method)
7836	M3071	withdrawn		Method for determination of calcium oxide in manganese ores (EDTA titration method)
7837	M3072	withdrawn		Method for determination of caclium oxide in manganese ores (Flame photometric method)
8041	M3073	withdrawn		General rules for determination of copper in ores
8042	M3074	withdrawn		Method for Determination of Copper in Ores (Electrogravimeric Method)
8043	M3075	withdrawn		Method for determination of copper in ores (Sodium thiosulfate titration method)
8044	M3076	withdrawn		Method for determination of copper in ores (Cupric ammonia absorptiometric method)
8045	M3077	withdrawn		Method for determination of copper in ores (Atomic absorption method)
8046	M3078	withdrawn		Method for determination of copper in iron ores (Sodium thiosulfate titration method)



CNS no.	Category no.	Date of	
		Current edition	Title
8047	M3079	withdrawn	Method for determination of copper in iron ores (BCOD absorptiometric method)
8435	M3080	withdrawn	General rules for chemical analysis of feldspar
8436	M3081	withdrawn	Method for determination of ignition loss in feldspar
8437	M3082	withdrawn	Method for determination of silicon dioxide in feldspar (Dehydration gravimetric and absorptiometric method)
8438	M3083	withdrawn	Method for determination of silicon dioxide in feldspar (Flocculation gravimetric and absorptiometric method)
8439	M3084	withdrawn	Method for determination of aluminium oxide in feldspar (Oxine gravimetric method)
8440	M3085	withdrawn	Method for determination of aluminium oxide in feldspar (EDTA-zinc back titration method)
8441	M3086	withdrawn	Method for determination of iron oxide in feldspar (O-phenanthroline absorptiometric method)
8442	M3087	withdrawn	Method for determination of titanium oxide in feldspar (Diantipyrylmethane absorptiometric method)
8443	M3088	withdrawn	Method for determination of sodium oxide in feldspar (Gravimetric method)
8444	M3089	withdrawn	Method for determination of sodium oxide in feldspar (Flame photometric method)
8445	M3090	withdrawn	Method for determination of sodium oxide in feldspar (Atomic absorptiometric method)
8446	M3091	withdrawn	Method for determination of potassium oxide in feldspar (Gravimetric method)
8447	M3092	withdrawn	Method for determination of potassium oxide in feldspar (Flame photometric method)
8448	M3093	withdrawn	Method for determination of potassium oxide in feldspar (Atomic absorptiometric method )
8854	M3094	withdrawn	Method for determining arsenic in ores (Titration method after separating arsenic by distillation)
8855	M3095	withdrawn	Method for determining arsenic in ores (Titration method after separating arsenic with hydrogen sulfide)
8856	M3096	withdrawn	Method for determining arsenic in ores (Titration method after separating arsenic as silver arsenate)
8857	M3097	withdrawn	Method for determining bismuth in ores (Gravimetric method)
8858	M3098	withdrawn	Method for determining bismuth in ores (Titration method)
9416	M3099	withdrawn	Method of test for high-tensile round-link steel chains for mining
9418	M3100	withdrawn	Method of test for connector shackle for double chain conveyor and high-tensile round-link steel chains for mining
9419	M3101	withdrawn	Method for determining ignition loss in dolomite
9420	M3102	withdrawn	Method for determining silicon dioxide in dolomite (Gravimetric method)
9421	M3103	withdrawn	Method for determining aluminum oxide in dolomite (EDTA titration method)
9422	M3104	withdrawn	Method for determining aluminum oxide in dolomite ( Gravimetric method )
9423	M3105	withdrawn	Method for determining iron oxide in dolomite (O-phenanthroline absorptiometric method)
9424	M3106	withdrawn	Method for determining calcium oxide in dolomite (EDTA titration method)
9425	M3107	withdrawn	Method for determining magnesium oxide in dolomite (EDTA indirect titration method)
9426	M3108	withdrawn	Method for determining magnesium oxide in dolomite (EDTA direct titration method)
9427	M3109	withdrawn	Method for determining phosphorus pentoxide in dolomite (MIBK absorptiometric method)
9531	M3110	withdrawn	Method of test for triaxial compressive strength of undrained rock core specimens without pore pressure measurements
9532	M3111	withdrawn	Method of test for direct tensile strength of intact rock core

## Mining

CNS no.	Category no.	Date of		Title
		Current edition		
				specimens
10111	M3112	1983-03		Preparation and storage of test samples of natural and artificial cryolite
10112	M3113	1983-03		Method for determining silica content in natural and artificial cryolite (Reduced molybdosilicate spectrophotometric method)
10113	M3114	1983-03		Method for determining fluorine content in natural and artificial cryolite (Modified willard winter method)
10114	M3115	1983-03		Method for Determining Iron Content in Natural and Artificial Cryolite (1, 10-Phenanthroline Photometric Method)
10115	M3116	1983-03		Method for determining sodium content in natural and artificial cryolite (Flame emission and atomic absorption spectrophotometric methods)
10116	M3117	1983-03		Method for determining aluminium content in natural and artificial cryolite [Oxine (8-hydroxyquinoline) gravimetric method]
10117	M3118	1983-03		Method for determining aluminium content in natural and artificial cryolite (Atomic absorption method)
10118	M3119	1983-03		Method for determining calcium content in natural and artificial cryolite (Flame atomic absorption method)
10119	M3120	1983-03		Method for determining free fluorides content in natural and artificial cryolite (Conventional test)
10120	M3121	1983-03		Method for determining water content in natural and artificial cryolite and aluminium fluoride for industrial use (Electrometric method)
10121	M3122	1983-03		Method for determining moisture content in natural and artificial cryolite and aluminium fluoride for industrial use (Gravimetric method)
10122	M3123	1983-03		Method for determining sulphate content in natural and artificial cryolite and aluminium fluoride for industrial use (Barium sulphate gravimetric method)
10123	M3124	1983-03		Method for determining phosphorus content in natural and artificial cryolite and aluminium fluoride for industrial use (Reduced molybdophosphate photometric method)
10124	M3125	1983-03		Method for determining sulphur content in natural and artificial cryolite and aluminium fluoride for industrial use (X-ray fluorescence spectrometric method)
10181	M3126	withdrawn		Method for determining titanium dioxide in iron ores (Diantipyrylmethane absorptiometric method)
10182	M3127	withdrawn		Method for determining titanium dioxide in iron ores (ferric sulfate titration method) (→ CNS 5 3 7 6 - 1 2)
10183	M3128	withdrawn		Method for determining aluminium dioxide in iron ores (Zinc titration method)
10184	M3129	withdrawn		Method for determining aluminium oxide in iron ores (Oxine method)
10185	M3130	withdrawn		Method for determining tin in iron ores (Iodine titration method) (→ CNS 5 3 7 6 - 2 0)
10186	M3131	withdrawn		Method for determining tin in iron ores (Phenylfluorone absorptiometric method) (→ CNS 5 3 7 6 - 2 0)
10187	M3132	withdrawn		Method for determining tin in iron ores (Alternating current polarographic method) (→ CNS 5 3 7 6 - 2 0)
10188	M3133	withdrawn		Method for determining zinc in iron ores (EDTA titration method) (→ CNS 5 3 7 6 - 2 1)
10189	M3134	withdrawn		Method for determining zinc in iron ores (zincon absorptiometric method) (→ CNS 5 3 7 6 - 2 1)
10190	M3135	withdrawn		Method for determining zinc in iron ores (polarographic method) (→ CNS 5 3 7 6 - 2 1)
10191	M3136	withdrawn		Method for determining lead in iron ores (dithizone absorptiometric method) (→ CNS 5 3 7 6 - 2 2)
10661	M3137	withdrawn		Method of sampling for coal
10662	M3138	withdrawn		Method of sampling for coke
10820	M3139	withdrawn		General rules for testing of coal and coke
10821	M3140	withdrawn		Method for determination of inherent moisture of coal and coke
10822	M3141	withdrawn		Method for determination of ash of coal and coke

CNS no.	Category no.	Date of	
		Current edition	Title
10823	M3142	withdrawn	Method for determination of volatile matter of coal and coke
10824	M3143	withdrawn	Method for calculation of fixed carbon of coal and coke
10825	M3144	withdrawn	Method for determination of carbon and hydrogen of coal and coke (Liebig method)
10826	M3145	withdrawn	Method for determination of total sulfur of coal and coke (Eschka method)
10827	M3146	withdrawn	Method for determination of total sulfur of coal and coke (High temperature combustion method)
10828	M3147	withdrawn	Method for determination of nitrogen of coal and coke (Kjeldahl method)
10829	M3148	withdrawn	Method for calculation of oxygen content of coal and coke
10830	M3149	withdrawn	Method for determination of phosphorus of coal and coke (Molybdenum blue absorptiometric method)
10831	M3150	withdrawn	Method for determination of uncombustible sulfur in coal ash and coke ash
10832	M3151	withdrawn	Method for determination of chlorine in coal
10833	M3152	withdrawn	Method for determination of forms of sulfur in coal
10834	M3153	withdrawn	Method for determination of carbon and hydrogen of coal and coke (Sheffield high temperature method)
10835	M3154	withdrawn	Method of test for gross calorific value of solid mineral fuels by the calorimeter bomb method, and calculation of net calorific value
10836	M3155	withdrawn	Method for analysis of coal ash and coke ash
10941	M3156	withdrawn	Methods for sampling and fineness test of pulverized coal
10942	M3157	withdrawn	Method of test for size of anthracite
10943	M3158	withdrawn	Method for sieve analysis of crushed bituminous coal
10944	M3159	withdrawn	Method for sieve analysis of coal
10945	M3160	withdrawn	Method of test for cubic meter weight of crushed bituminous coal
10946	M3161	withdrawn	Method of drop shatter test for coal
10947	M3162	withdrawn	Method of test for free-swelling index of coal
10948	M3163	withdrawn	Method of test for fusibility of coal and coke ash
11017	M3164	withdrawn	Method of test for grindability of coal by the hardgrove-machine method
11018	M3165	withdrawn	Method of preparing coal samples for microscopical analysis by reflected light
11019	M3166	withdrawn	Method for microscopical determination of the reflectance of the organic components in a polished specimen of coal
11020	M3167	withdrawn	Method for microscopical determination of volume percent of petrographic components of coal
11021	M3168	withdrawn	Method for determination of caking power of hard coal — Roga test
11022	M3169	withdrawn	Method for determination of caking power of coal (Gray-king coke test)
11023	M3170	withdrawn	Method of test for plastic properties of coal by the arnu-audibert dilatometer
11024	M3171	withdrawn	Method of test for plastic properties of coal by the gieseler plastometer
11025	M3172	withdrawn	Method of test for float and sink of coal
11115	M3173	withdrawn	Method of test for bulk density of coke in a large container
11116	M3174	withdrawn	Method of test for bulk density of coke in a small container
11117	M3175	withdrawn	Method for size analysis of coke (nominal top size greater than 20 mm)
11118	M3176	withdrawn	Method for size analysis of coke (nominal top size 20 mm or less)
11119	M3177	withdrawn	Method of test for shatter indices of coke
11120	M3178	withdrawn	Method of test for mechanical strength of coke (greater than 20 mm in size)
11121	M3179	withdrawn	Method for determination of true relative density, apparent relative density and porosity of coke
11122	M3180	withdrawn	Method of test for reactivity of coke
11223	M3181	1985-03	Methods for chemical analysis of refractory clay
11287	M3182	1985-06	Methods for chemical analysis of silica rock and sand

## Mining

CNS no.	Category no.	Date of		Title
		Current edition		
11288	M3183	withdrawn		Methods for sampling and determination of moisture of iron pyrites and sulphur ores
11393	M3184	1985-10		Methods of chemical analysis for limestone
11457	M3185	withdrawn		Method for sampling and methods for determination of copper content and moisture of copper scraps for smelting
11837	M3186	withdrawn		Method of determination for sulfur in ores
11838	M3187	withdrawn		Method of determination for selenium in ores
11839	M3188	withdrawn		Method of determination for uranium in ores
11840	M3189	withdrawn		Method of determination for thorium in ores
11841	M3190	withdrawn		Method of determination for rare earths in ores
11842	M3191	withdrawn		Method of determination for yttrium in ores
11843	M3192	withdrawn		Method of determination for yttrium group rare earths in ores
11844	M3193	withdrawn		Method of determination for niobium and tantalum in ores
12280	M3194	withdrawn		Methods of sampling, moisture determination and size determination for chromium ores, manganese ores and ferruginous manganese ores
12312	M3195	withdrawn		Methods of sampling for non-ferrous flotation concentrates in bulk
12313	M3196	withdrawn		Iron ores – Determination of silicon, calcium, manganese, aluminium, titanium, magnesium, phosphorus, sulfur and potassium – Wavelength dispersive X-ray fluorescence spectrometric method
12314	M3197	withdrawn		General rules for chemical analysis of chromium ores
12315	M3198	withdrawn		Method of determination for chromium oxide in chrome ores
12316	M3199	withdrawn		Methods of determination for iron in chrome ores
12317	M3200	withdrawn		Method of determination for silicon dioxide in chrome ores
12318	M3201	withdrawn		Method of determination for magnesium oxide in chrome ores
12319	M3202	withdrawn		Method of determination for aluminium oxide in chrome ores
12320	M3203	withdrawn		Method of determination for phosphorus in chrome ores
12321	M3204	withdrawn		Methods of determination for sulfur in chrome ores
14443	M3205	2000-07		Method of test for weather resistance of slate
14444	M3206	2000-07		Method of test for water absorption of slate
14445	M3207	2000-07		Method of test for flexure (modulus of rupture, modulus of elasticity) of slate
14446	M3208	2000-07		Method of measurement for thermal expansion of rock
14447	M3209	2000-07		Method of measurement for glossiness on surface of ornamental stone
14832	M3210	2004-07		Iron ores – Sampling and sample preparation procedures
14833	M3211	2004-07		Iron ores – Determination of moisture content of a lot
14960	M3212	2005-12		Iron ores – Determination of size distribution by sieving

## General

6589	M4001	withdrawn		Graphical symbols for use on detailed maps, plans and geological cross sections – Part I: General rule of representation
6590	M4002	withdrawn		Graphical symbols for use on detailed maps, plans and geological cross-sections – Part II: Representation of sedimentary rocks
6591	M4003	withdrawn		Graphical symbols for use on detailed maps, plans and geological cross-sections – Part III: Representation of magmatic rocks
6697	M4004	withdrawn		Graphical symbol for mines
6707	M4005	withdrawn		Standard specification for rock drill
6709	M4006	withdrawn		Standard specification for air motors
11368	M4007	withdrawn		Glossary of terms for core drilling equipments and tools
11456	M4008	2005-03		Particulate and bulk materials – General rules for methods of sampling

		Date of		
CNS no.	Category no.	Current edition	Title	
<b>Agricultural Products</b>				
	82	N1001	withdrawn	Preporration and packing of raw silk
	83	N1002	withdrawn	Cotton
*	84	N1003	withdrawn	Hog bristles
	85	N1004	withdrawn	Rhubarb
	86	N1005	withdrawn	Nutgall
	87	N1006	withdrawn	Musk
*	179	N1007	2021-12	Tea
	208	N1008	withdrawn	Rotenone
*	820	N1009	withdrawn	Semi-refined waterfowl feather and down
*	821	N1010	1987-02	Grades and Packaging of Onion
	922	N1011	withdrawn	Dried Bamboo Shoot
	1119	N1012	1998-03	Garlic ( <i>Allium sativum</i> L)
	1120	N1013	1998-03	Ginger
	1121	N1014	1997-06	Mandarins
*	1122	N1015	2014-08	Pineapple
	1348	N1016	1998-03	Shallot
*	1446	N1017	1989-11	Sesame
	1447	N1018	2001-06	Peanuts
	1448	N1019	withdrawn	Peanuts (Shelled) (→CNS 1 4 4 7)
*	1449	N1020	1997-10	Watermelon
*	2051	N1021	2015-02	Water chestnut
	2088	N1022	withdrawn	Banana (for Export) (Tentative) (→CNS 2 9 5 1)
*	2090	N1023	1982-01	Grades of Carrot
*	2091	N1024	1982-01	Grades and Packing of Chinese Radish
*	2092	N1025	2020-11	Sweet potato ( <i>Ipomoea batatas</i> )
*	2093	N1026	2011-11	Cabbage
*	2094	N1027	1982-01	Grades and Packing of Chinese Cabbage (Pe-Tsai)
*	2095	N1028	1982-01	Grades and Packing of Cauliflower
*	2096	N1029	1982-01	Grades and Packing of Eggplant
*	2097	N1030	1982-01	Grades and Packing of Cucumber
	2098	N1031	1997-08	Tomato
*	2099	N1032	1982-01	Grades of Sweet Pepper
*	2100	N1033	1996-03	Shell Chicken Eggs
	2119	N1034	2008-08	Refined waterfowl feather and down
*	2120	N1035	2016-09	Wax gourd
*	2121	N1036	2016-09	Podded pea
*	2122	N1037	2016-09	Potato
*	2123	N1038	2016-09	Hot pepper
*	2124	N1039	1982-09	Grades of Chayote
*	2125	N1040	1982-09	Grades of Pumpkin (Squash)
*	2126	N1041	1995-06	Yam Bean ( <i>Pachyrrhizus erosus</i> )
*	2127	N1042	1995-06	Lotus Roots ( <i>Nelumbo nucifera</i> )
*	2128	N1043	1995-07	Ma-Chu Bamboo Shoots ( <i>Sinocalamus latiflorus</i> )
*	2129	N1044	1995-08	Yam ( <i>Dioscorea batatas</i> )
*	2130	N1045	2020-11	Taro ( <i>Colocasia esculenta</i> )
*	2131	N1046	withdrawn	White taro ( <i>Colocasia esculenta</i> )(replaced by CNS 2130)
*	2132	N1047	1995-08	Snap Bean ( <i>Phaseolus vulgaris</i> )
*	2133	N1048	1995-07	Moon-Chung Bamboo Shoots ( <i>Phyllostachys edulis</i> )
*	2134	N1049	1995-08	Bottle Gourd ( <i>Lagenaria siceraria</i> )
	2165	N1050	withdrawn	Seeds (→CNS 3 3 1 5、3 3 1 6、3 3 1 7)
	2210	N1051	withdrawn	Turmeric ( <i>Curcuma longa</i> )
*	2211	N1052	1996-01	Sweet Orange ( <i>Citrus sinensis</i> )
*	2212	N1053	1996-01	Pummelo ( <i>Citrus grandis</i> )
*	2349	N1054	1995-01	Plum ( <i>Prunus salicina</i> )
*	2350	N1055	1995-01	Papaya ( <i>Carica papaya</i> )
*	2378	N1056	1979-10	Gelidium and Gracilaria

## Agriculture

	CNS no.	Category no.	Date of Current edition	Title
	2423	N1057	2015-09	Rough rice
*	2424	N1058	2007-06	Brown rice
*	2425	N1059	2007-06	Milled rice
	2426	N1060	withdrawn	Glutinous Rice
*	2427	N1061	1996-03	Wheat
*	2428	N1062	1989-11	Barley
*	2429	N1063	1989-11	Oats
*	2430	N1064	1990-09	Beans and Peas (Except Soybean)
*	2431	N1065	1989-11	Rapeseed
*	2432	N1066	2020-11	Corn (Zea mays)
*	2433	N1067	2014-06	Sago starch
*	2510	N1068	withdrawn	Animal hides
*	2570	N1069	withdrawn	Feather (for decorating)
	2714	N1070	withdrawn	Raw bone powder
*	2793	N1071	2019-05	Soybean
	2817	N1072	withdrawn	Animal hairs, fine
	2818	N1073	withdrawn	Horse hair, not carded or combed
	2819	N1074	withdrawn	Dog hair
	2820	N1075	withdrawn	Cow tail hair
	2821	N1076	withdrawn	Horse bristle and tail hair
	2822	N1077	withdrawn	Cow hair
	2824	N1078	withdrawn	Goat hair
	2825	N1079	withdrawn	Hog and other animal hairs, not carded or combed
*	2872	N1080	1995-01	Mustard Greens, large stem type
*	2873	N1081	1995-01	Mustard Greens, cabbage type
*	2876	N1082	1995-02	Sugar Cane, Chewing Cane
*	2880	N1083	withdrawn	Chicken feather
	2881	N1084	withdrawn	Rabbit hair
*	2882	N1085	withdrawn	Dried hides of small animals
*	2951	N1086	1998-04	Bananas (Musa spp)
*	3053	N1087	1996-01	Lemons (Citrus limon)
*	3315	N1088	1981-09	Forest Tree Seeds
*	3316	N1089	1982-09	Field Crop Seeds
*	3317	N1090	1982-09	Vegetable Seeds
	3496	N1091	withdrawn	Grades and packaging of bananas (Packaged in the carton box)
*	3684	N1092	2011-11	Mango
*	5627	N1093	1989-11	Sorghum
	6602	N1094	1998-03	Mustard seed
*	6848	N1095	1982-06	The Grade and Packaged of Litchi
	7292	N1096	2016-10	Cocoa beans
	8151	N1097	2018-10	Coffee vocabulary
	8732	N1098	2016-07	Spices and condiments – Small cardamom
*	9428	N1099	1983-04	Grades of Pea with Pod
*	9628	N1100	1982-11	Grades of Coba
*	9629	N1101	1982-11	Grades of Vegetable Sponge
*	9630	N1102	1982-11	Grades of Bitter Melon
*	9631	N1103	1982-11	Grades of Pak-Choi
*	9632	N1104	1982-11	Grades of Flowering Scape of Chinese Chive
*	9633	N1105	1982-11	Grades of Water Spinach
*	9634	N1106	1982-11	Grades of Spinach
*	9635	N1107	1982-11	Grades of Celery
*	10192	N1108	1983-04	Grades of Baby Cucumber
*	10193	N1109	1983-04	Grades of Stem Lettuce (Asparagus Lettuce)
*	10194	N1110	1983-04	Grades of Green Garlic
*	10195	N1111	1983-04	Grades of Bunching Onion
*	10196	N1112	1983-04	Grades of Head Lettuce
*	10197	N1113	1983-04	Grades of Green Petiole Pak-Choi
*	10198	N1114	1983-04	Grades of Non-head Lettuce (Leaf Lettuce)
*	10571	N1115	1983-09	Grades of Loquat

CNS no.	Category no.	Date of		Title
		Current edition		
*	10572	N1116	2014-08	Grape
*	10573	N1117	1983-09	Grades of Heng Shan Pear
*	10574	N1118	1983-09	Grades of Pear
*	10575	N1119	withdrawn	Grades of apple
*	10576	N1120	1983-09	Grades of Wax Apple
*	10577	N1121	2014-08	Carambola
*	10578	N1122	1983-09	Grades of Peach
	12826	N1123	1990-12	Shell Duck Eggs
	13444	N1124	1994-11	Wheat Glossary
	13445	N1125	1994-11	Starch glossary
	13446	N1126	2017-01	Rice glossary
	13486	N1127	1995-01	Mei or Japanese apricot ( <i>Prunus mume</i> )
	15393	N1128	2018-10	Green coffee
	15403	N1131	2018-10	Roasted coffee

## Feeds

*	424	N2001	1998-06	Peanut cake,shelled (for feeding)
*	425	N2002	1998-06	Soybean cake (for feeding)
*	1417	N2003	2021-10	Soybean meal, solvent extracted (for feeding)
*	2243	N2004	1995-04	Fish Meal (for Feeding)
*	2244	N2005	1995-04	Fish Soluble, Condeused (for Feeding)
*	2286	N2006	1999-01	Peanut meal, solvent extracted (for feeding)
*	2287	N2007	1995-10	Rice Bran (for feeding)
*	2288	N2008	1995-10	Defatted Rice bran (for feeding)
*	2289	N2009	1995-10	Wheat Bran (for feeding)
*	2290	N2010	1999-05	Corn meal (for feeding)
*	2291	N2011	1995-10	Rape Seed Oil Cake (for feeding)
*	2292	N2012	1996-03	Rape Seed Meal, Solvent Extracted (for Feeding)
*	2293	N2013	1998-06	Leucaena whole plant meal (for feeding)
*	2294	N2014	1998-06	Napier grass meal (for feeding)
*	2295	N2015	1998-06	Copra meal (for feeding)
*	2296	N2016	1983-07	Skimmilk, Dried (for Animal Feed Purpose)
*	2297	N2017	1998-06	Bone meal (for feeding)
	2593	N2018	1998-06	Soybean pomace (for feeding)
	2594	N2019	1998-12	Blood meal (for feeding)
*	2595	N2020	1984-12	Feather Meal (for Feeding)
*	2710	N2021	1995-10	Meat and Bone Meal (for feeding)
	2711	N2022	1998-06	Linseed meal (for feeding)
	2823	N2023	1998-06	Sesame meal (for feeding)
	2883	N2024	1998-06	Peanut cake with shell (for feeding)
	2884	N2025	withdrawn	Milk Substitute (for Calf) (Tentative)
	3027	N2026	2010-05	Formula feeds (For livestock and poultry)
	3054	N2027	1998-12	Safflower meal (for feeding)
	3109	N2028	1998-12	Cottonseed meal (for feeding)
	3186	N2029	withdrawn	Wheat,imported (Feed grade)
*	3253	N2030	1995-04	Crab Shell Meal (for Feeding)
	3302	N2031	withdrawn	Corn cake (for feeding)
*	3400	N2032	2015-12	Animal fat (For feed)
*	3401	N2033	1981-06	Barley Hull Meal (for Feeding)
*	3494	N2034	1995-04	Fish Soluble, Dried (for Feeding)
	3585	N2035	withdrawn	Reconstituted Milk Powder for Calf
*	3708	N2036	1995-04	Fish Bone Meal (for Feeding)
	3709	N2037	1998-12	Sugarcane molasses (for feeding)
*	3724	N2038	1995-04	Shrimp Shell Meal (for Feeding)
*	3730	N2039	1995-04	Mixed Fish Soluble Meal (for Feeding)
*	3731	N2040	2021-10	Dehulled soybean meal, solvent extracted (for feeding)
*	3924	N2041	1986-10	Refined Fish Liver Oil (for Feeding)
*	3959	N2042	1986-03	Yeast Powders (for Feeding)
	4142	N2043	2017-06	Formula feeds (for aquaculture)

## Agriculture

	CNS no.	Category no.	Date of Current edition	Title
	4185	N2044	1998-12	Leucaena seed meal, detoxified (for feeding)
*	4526	N2045	2014-09	Calcium phosphates ( for feed )
*	10288	N2046	1986-03	Dried Yeast Fermentation Feed
*	10837	N2047	1984-03	Whey, Dried (for Animal Feed Purpose)
*	10881	N2048	1984-05	Buttermilk, Dried (for Animal Feed Purpose)

## Fertilizers and Agricultural Insecticide

	49	N3001	withdrawn	Ammonia Sulfate for Fertilizer (→CNS 2 6 2)
	53	N3002	withdrawn	Ammonium chloride (fertilizer grade)
	55	N3003	withdrawn	Ammonium nitrate (fertilizer grade)
	262	N3004	withdrawn	Ammonium sulfate (fertilizer grade)
	266	N3005	withdrawn	Calcium cyanamide, fertilizer grade
	427	N3006	withdrawn	Calcium superphosphate (fertilizer grade)
	428	N3007	withdrawn	Fused phosphate fertilizer
	634	N3008	withdrawn	DDT Products for Agricultural Insecticide
	959	N3009	withdrawn	BHC Powder for Agricultural Insecticide
	961	N3010	withdrawn	DDT-BHC Mixed Wettable Powder
	962	N3011	withdrawn	BHC Wettable Powder for Agriculture
	1114	N3012	withdrawn	Synthetic Nitrate and Phosphate Fertilizer
	1309	N3013	withdrawn	Urea (fertilizer grade)
	1339	N3014	withdrawn	Granular Calcium Cyanamide, Fertilizer Grade (→CNS 2 6 6)
*	1436	N3015	withdrawn	Mixed nitrogen fertilizer (fluid)
	2596	N3016	withdrawn	Steamed bone meal fertilizer
	3076	N3017	withdrawn	Compound fertilizer
	3436	N3018	withdrawn	Potassium sulfate (fertilizer grade)
	3705	N3019	withdrawn	Potassium chloride (fertilizer grade)
	3960	N3020	withdrawn	Garbage compost
*	7068	N3021	withdrawn	Definitions of terms relating to pesticides
	11845	N3022	withdrawn	Quick lime (fertilizer grade)
	11846	N3023	withdrawn	Slaked lime (fertilizer grade)
	11847	N3024	withdrawn	Calcium carbonate (fertilizer grade)
	11848	N3025	withdrawn	Ground shell (fertilizer grade)
	11849	N3026	withdrawn	Mixed lime fertilizer
	11850	N3027	withdrawn	Byproduct lime fertilizer
	11851	N3028	withdrawn	Magnesium sulfate (fertilizer grade)
	11852	N3029	withdrawn	Magnesium hydroxide (fertilizer grade)
	11853	N3030	withdrawn	Processed magnesium fertilizer
	11854	N3031	withdrawn	Magnesium humate fertilizer
	11855	N3032	withdrawn	Magnesium lignosulfonate fertilizer
	11856	N3033	withdrawn	Byproduct magnesium fertilizer
	11857	N3034	withdrawn	Mixed magnesium fertilizer
	11858	N3035	withdrawn	Manganese sulfate fertilizer
	11859	N3036	withdrawn	Processed manganese fertilizer
	11860	N3037	withdrawn	Manganese slag fertilizer
	11861	N3038	withdrawn	Mixed manganese fertilizer
	11862	N3039	withdrawn	Borax fertilizer
	11863	N3040	withdrawn	Boric acid fertilizer
	11864	N3041	withdrawn	Fused boron fertilizer
	11865	N3042	withdrawn	Processed boron fertilizer
	11866	N3043	withdrawn	Siliceous limestone fertilizer
	11910	N3044	withdrawn	Silicate slag fertilizer
	11911	N3045	withdrawn	Fish meal fertilizer
	11912	N3046	withdrawn	Flesh meal fertilizer
	11913	N3047	withdrawn	Flesh bone meal fertilizer
	11914	N3048	withdrawn	Raw bone meal fertilizer
	11915	N3049	withdrawn	Steamed feather fertilizer
	11916	N3050	withdrawn	Steamed leather waste fertilizer
	11917	N3051	withdrawn	Soybean meal fertilizer
	11918	N3052	withdrawn	Peanut meal fertilizer



CNS no.	Category no.	Date of	
		Current edition	Title
11919	N3053	withdrawn	Linseed meal fertilizer
11920	N3054	withdrawn	Rice bran meal fertilizer
11921	N3055	withdrawn	Dried bean curd residue fertilizer
11922	N3056	withdrawn	Nitrogenous guano fertilizer
11923	N3057	withdrawn	Dried microbe fertilizer
11924	N3058	withdrawn	Processed poultry manure
11925	N3059	withdrawn	Processed fish scrap fertilizer
11926	N3060	withdrawn	Animal byproduct fertilizer
11927	N3061	withdrawn	Plant byproduct fertilizer
11928	N3062	withdrawn	Mixed organic fertilizer
11950	N3063	withdrawn	Ammonium humate fertilizer
11951	N3064	withdrawn	Sodium nitrate fertilizer
11952	N3065	withdrawn	Calcium nitrate fertilizer
11953	N3066	withdrawn	Calcium ammonium nitrate fertilizer
11954	N3067	withdrawn	Crotonylidene diurea fertilizer
11955	N3068	withdrawn	Isobutylidene diurea fertilizer
11956	N3069	withdrawn	Coated urea fertilizer
11957	N3070	withdrawn	Ureaform fertilizer
11958	N3071	withdrawn	Guanylurea sulfate fertilizer
11959	N3072	withdrawn	Oxamide fertilizer
11960	N3073	withdrawn	Byproduct nitrogen fertilizer
11961	N3074	withdrawn	Mixed nitrogen fertilizer
11962	N3075	withdrawn	Byproduct nitrogen fertilizer, Fluid (→CNS 11961)
11963	N3076	withdrawn	Fluid urea-ammonium nitrate fertilizer
11964	N3077	withdrawn	Potassium magnesium sulfate fertilizer
11965	N3078	withdrawn	Potassium bicarbonate fertilizer
11966	N3079	withdrawn	Crude potassium salts fertilizer
11967	N3080	withdrawn	Amended bittern potassium fertilizer
11968	N3081	withdrawn	Potassium humate fertilizer
11969	N3082	withdrawn	Potassium silicate fertilizer
11970	N3083	withdrawn	Byproduct potassium fertilizer
12018	N3084	withdrawn	Mixed potassium fertilizer
12019	N3085	withdrawn	Humate-phosphate fertilizer
12020	N3086	withdrawn	Calcined phosphate fertilizer
12021	N3087	withdrawn	Processed phosphate fertilizer
12022	N3088	withdrawn	Byproduct phosphate fertilizer
12023	N3089	withdrawn	Triple superphosphate fertilizer
12024	N3090	withdrawn	Mixed phosphate fertilizer
12025	N3091	withdrawn	Zinc sulfate fertilizer
12026	N3092	withdrawn	Chelated zinc fertilizer
12027	N3093	withdrawn	Zinc oxide fertilizer
12028	N3094	withdrawn	Chelated iron fertilizer
12029	N3095	withdrawn	Ferrous sulfate fertilizer
12030	N3096	withdrawn	Copper sulfate fertilizer
12031	N3097	withdrawn	Chelated copper fertilizer
12032	N3098	withdrawn	Sodium molybdate fertilizer
12033	N3099	withdrawn	Chelated manganese fertilizer
12034	N3100	withdrawn	Fritted trace-elements (FTE) fertilizer
12094	N3101	withdrawn	Compound Fertilizer, Fluid (→CNS 3076)
12095	N3102	withdrawn	Compound Fertilizer with Secondary & Micro-Nutrients, Solid (→CNS 3076)
12096	N3103	withdrawn	Compound Fertilizer with Secondary & Micro-Nutrients, Fluid (→CNS 3076)
12097	N3104	withdrawn	Compound Fertilizer with Organic Matters, Solid (→CNS 3076)
12098	N3105	withdrawn	Compound Fertilizer with Organic Matters and Secondary & Micro-Nutrients, Solid (→CNS 3076)
12099	N3106	withdrawn	Coated compound fertilizer
12100	N3107	withdrawn	Horticultural home-use compound fertilizer

## Agriculture

CNS no.	Category no.	Date of		Title
		Current edition		
12101	N3108	withdrawn		Multiple secondary & micro-nutrients fertilizer
12102	N3109	withdrawn		Fluid multiple secondary & micro-nutrients fertilizer
12347	N3110	withdrawn		Compound Fertilizer with Organic Matters, Fluid (→CNS 3 0 7 6)
12348	N3111	withdrawn		Compound Fertilizer with Organic Matters and Secondary and Micro-Nutrients, Fluid (→CNS 3 0 7 6)
12572	N3112	withdrawn		Magnesium oxide fertilizer
14534	N3113	withdrawn		Nitrogen fertilizer (fluid)

## Testing and Inspection

	429	N4001	withdrawn	Method of Test for Phosphate
	957	N4002	withdrawn	Method of Test for Soybean Cake and Peanut Cake
*	1009	N4003	1986-10	Methods of Test for Tea
	1060	N4004	withdrawn	Method of Test for BHC Insecticide Powder
	1115	N4005	withdrawn	Method of Test for Synthetic Nitrate and Phosphate Fertilizer
	1310	N4006	withdrawn	Method of Test for Urea (Fertilizer Grade)
	1403	N4007	withdrawn	Method of Test for Dehydrated Lotus Root
	1404	N4008	withdrawn	Method of Test for Lotus Root Starch
	1437	N4009	withdrawn	Method of Test for Ammonium-Nitrate Fertilizer, Liquid
	1482	N4010	withdrawn	Method of test for hog bristles
*	1483	N4011	withdrawn	Method of test for waterfowl feather and down
	2087	N4012	withdrawn	Method of test for pickled mustard stems
*	2101	N4013	1991-02	Method of Test for Shell Eggs
	2166	N4014	withdrawn	Method of test for seed
	2245	N4015	withdrawn	Method of test for fish meal and paste (→CNS 2 7 7 0)
*	2416	N4016	1979-10	Method of Test for Celidium and Gracilaria
	2436	N4017	withdrawn	Method of Test for Crude Fiber in Feeds (→CNS 2 7 7 0-8)
	2437	N4018	withdrawn	Method of Test for Calcium in Feeds (→CNS 2 7 7 0-1 5)
	2438	N4019	withdrawn	Method of Test for Starch in Feeds (→CNS 2 7 7 0-1 2)
	2439	N4020	withdrawn	Method of Test for Phosphorus Content in Feeds (→CNS 2 7 7 0-1 6)
*	2511	N4021	withdrawn	Method of test for animal hides
	2712	N4022	withdrawn	Method of Test for Chromium Content in the Feather Meal for Feeding
*	2713	N4023	1978-03	Method for Determining of Digest Protein of Feather Meal
	2770	N4024	1986-08	Method of Test for Feeds : General Rule
	2770-1	N4024-1	1986-08	Method of Test for Feeds : Sampling
	2770-2	N4024-2	1986-08	Method of Test for Feeds : Preparation of Test Samples
	2770-3	N4024-3	1986-08	Method of Test for Feeds : Determination of Moisture
	2770-4	N4024-4	1986-08	Method of Test for Feeds : Determination of Crude Fat
	2770-5	N4024-5	1986-08	Method of Test for Feeds : Determination of Crude Protein
	2770-6	N4024-6	1986-08	Method of Test for Feeds : Determination of Volatile Basic Nitrogen
	2770-7	N4024-7	1986-08	Method of Test for Feeds : Determination of Urea
*	2770-8	N4024-8	1986-08	Method of Test for Feeds : Determination of Crude Fiber
	2770-9	N4024-9	1986-08	Method of Test for Feeds : Determination of Crude Ash
	2770-10	N4024-10	1986-08	Method of Test for Feeds : Determination of Ash Insoluble in Hydrochloric Acid
	2770-11	N4024-11	1986-08	Method of Test for Feeds : Determination of Total Sugars
	2770-12	N4024-12	1986-08	Method of Test for Feeds : Determination of Starch
	2770-13	N4024-13	1986-08	Method of Test for Feeds : Determination of Water Soluble Chloride
	2770-14	N4024-14	1986-08	Method of Test for Feeds : Urease Activity Test
	2770-15	N4024-15	2014-11	Method of test for feeds - Part 15: Determination of calcium
	2770-16	N4024-16	1986-08	Method of Test for Feeds : Determination of Phosphorus
	2770-17	N4024-17	1986-08	Method of Test for Feeds : Determination of Arsenic
	2770-18	N4024-18	1986-08	Method of Test for Feeds : Determination of Chromium
	2770-19	N4024-19	1986-08	Method of Test for Feeds : Determination of Mercury
	2770-20	N4024-20	1986-08	Method of Test for Feeds : Determination of Lead
	2770-21	N4024-21	1986-08	Method of Test for Feeds : Determination of Cadmium
*	2770-22	N4024-22	2008-08	Method of test for feeds - Determination of crude fat in extruded feed

		Date of		
CNS no.	Category no.	Current edition	Title	
*	2826	N4025	withdrawn	Method of test for animal hairs
	3026	N4026	withdrawn	Method of test for feather of chicken and decoration
	3077	N4027	withdrawn	Method of Test for Compound Fertilizers
	3080	N4028	withdrawn	Method of test for hazardous components in fertilizers (Determination of thiocyanic acid content)
	3083	N4029	withdrawn	Method of test for musk
*	3287	N4030	1989-11	Methods of Test for Cereals
	3352	N4031	1997-06	Method of test for mandarins
	3353	N4032	1997-05	Method of test for pummelo (Citrus grandis)
*	3354	N4033	withdrawn	Methods of test for pineapple
*	3355	N4034	1995-03	Method of Test for Papaya
*	3356	N4035	1997-10	Method of test for watermelon
	3357	N4036	1997-08	Method of test for tomato
	3358	N4037	withdrawn	Method of test for garlics (→CNS 1 3 5 1 1)
	3359	N4038	withdrawn	Method of test for welsh onion (→CNS 1 3 5 1 1)
	3360	N4039	withdrawn	Method of test for ginger (→CNS 1 3 5 1 1)
	3361	N4040	withdrawn	Method of test for turmeric
	3404	N4041	withdrawn	Method of test for Wheat imported for feeding
	3437	N4042	withdrawn	Method of Test for Potassium Sulfate, Fertilizer Grade
*	3491	N4043	withdrawn	Method of test for brown rice
	3492	N4044	withdrawn	Method of test for milled rice
	3493	N4045	withdrawn	Method of test for rough rice; paddy
	3682	N4046	1999-10	Method of testing bacteria in feed
	4527	N4047	2014-11	Method of test for calcium phosphates (for feed)
	5917	N4048	1999-08	Method of test for tobacco and tobacco products - Atmosphere for conditioning and testing
*	5918	N4049	withdrawn	Methods of test for tobacco and tobacco products – Determination of alkaloids in tobacco (Spectrophometric method)
*	5919	N4050	withdrawn	Methods of test for tobacco and tobacco products – Determination of alkaloids in cigarette smoke condensates – Spectrophotometric Method
*	5920	N4051	withdrawn	Methods of test for tobacco and tobacco products – Determination of alkaloids in retention by filters of cigarettes
*	5921	N4052	withdrawn	Methods of test for tobacco and tobacco products – Expression of analytical test results
*	5922	N4053	withdrawn	Methods of test for tobacco and tobacco products – Determination of retention of coloured part of smoke condensate by cigarette filters – direct spectrophotometric method
*	5923	N4054	withdrawn	Methods of test for tobacco and tobacco products – Determination of loss of tobacco from the ends
*	5924	N4055	withdrawn	Method of test for silica content in tobacco and tobacco products (Incineration method)
*	5925	N4056	withdrawn	Method of test for silica content in tobacco and tobacco products (Wet digestion method)
*	6500	N4057	withdrawn	Method of test for fertilizers : Sampling
	6501	N4058	withdrawn	Method of test for fertilizers (Determination of moisture content)
*	6603	N4059	1980-10	Determination of Weight Loss on Mustard Seed
*	6604	N4060	1980-10	Determination of Allyl Isothiocyanate in Mustard Seed
*	6605	N4061	1980-10	Determination of p-Hydroxybenzyl Isothiocyanate in Mustard Seed
	6710	N4062	1980-12	Method of Test for Carotene in Feeds
	6711	N4063	1980-12	Method of Test for Cyanide in Feedstuff
	6712	N4064	1998-12	Method of test for copper salts in mineral supplement (for feeding)
	6940	N4065	1981-01	Method of Test for PCB in Feeds
	6941	N4066	1981-01	Method of Test for PCB in Oil (for Feeding)
*	6942	N4067	1981-01	Method of Test for PCB in Fish Solubles (for Feeding)
*	6943	N4068	1981-01	Method of Test for BHC in Feeds
	6944	N4069	1981-01	Method of Test for Purity of Ferrous Salts in Mineral Premix (for Feeding)
	7066	N4070	1991-07	Methods of Test for Aflatoxins in Feeds

## Agriculture

		Date of		
CNS no.	Category no.	Current edition	Title	
7067	N4071	1981-02	Determination of Free Gossypol in Cottonseed Meal or Cake (Feed Grade)	
7293	N4072	2017-01	Cocoa beans – Sampling	
7294	N4073	2016-10	Cocoa beans – Cut test	
7295	N4074	2016-10	Cocoa beans – Determination of moisture content	
*	7838	N4075	1981-08	Method of Test for Feed Additives- Determination of Amprolium
	8152	N4076	2018-10	Green coffee – Determination of moisture content
	8153	N4077	withdrawn	Green coffee - Determination of moisture content (Routine method)
*	8314	N4078	1982-01	Oilseeds - Reduction of Contract Samples to Analysis Samples
*	8315	N4079	1982-01	Oilseeds - Determination of Moisture and Volatile Matter Content
*	8316	N4080	1982-01	Method of Test for Feed Additives: Determination of Buquinolate
*	8317	N4081	1982-01	Method of Test for Butynorate in Feed
*	8318	N4082	1982-01	Method of Test for Feed Additives: Determination of Decoquinolate
	8319	N4083	1982-01	Method of Test for Vitamin A in Premix of Feed
	8320	N4084	1982-01	Method of Test for Vitamin a Material (for Feed)
*	8449	N4085	withdrawn	Method of test for fertilizers (Determination of nitrogen content)
	8450	N4086	withdrawn	Method of test for fertilizers – Determination of phosphorus content
	8451	N4087	withdrawn	Method of test for fertilizers – Determination of potassium content
	8534	N4088	1982-02	Method of Test for Feed Additives; Determination of Ethopabate
	8535	N4089	1982-02	Method of Test for Feed Additives: Determination of Monensin
	8536	N4090	1982-02	Method of Test for Feed Additives: Determination of Nicarbazine
	8728	N4091	withdrawn	Method of Test for Feed Additives: Determination of Sulfadineothine
	8729	N4092	withdrawn	Method of Test for Feed Additives: Determination of Sulfaquinoxaline
	8730	N4093	1982-04	Method of Test for Sulfanitran in Feed
	8731	N4094	1982-04	Method of Test for Feed Additives: Determination of Zoalene
	9025	N4095	1982-06	Method of Test for Feed Additives: Determination of Ethoxyguin
	9026	N4096	1982-06	Method of Test for Feed Additives: Determination of Nystatin
	9027	N4097	1982-06	Method of Test for Feed Additives: Determination of Dibutyl Hydroxy Toluene (BHT) and Butyl Hydroxy Anisol (BHA)
	9028	N4098	2007-04	Method of test for feed additives - General rules for microbiological determination of antibiotics
	9314	N4099	withdrawn	Method of test for feed additives : Determination of carbadox (→ CNS 14680)
	9315	N4100	1982-08	Method of Test for Feed Additives: Determination of Arsanilic Acid
	9316	N4101	2004-10	Method of test for Oxytetracycline, Chlortetracycline and Tetracycline in feeds
	9317	N4102	1982-08	Method of Test for Feed Additives; Determination of Bacitracin
	9533	N4103	2001-12	Determination of tylosin and erythromycin in feeds
	9534	N4104	2014-11	Method of test for lincomycin in feeds
	9535	N4105	2004-10	Method of test for Neomycin in feeds
	9536	N4106	1982-10	Method of Test for Oleandomycin in Feed
	10289	N4107	withdrawn	Method of test for feed additives : Identification of Carbadox (→ CNS 14680)
	10290	N4108	withdrawn	Method of test for feed additives: Determination of oxytetracycline (→ CNS 9316)
	10463	N4109	2005-01	Method of test for Penicillin in feeds
	10464	N4110	1983-07	Method of Test for Feed Additives: Determination of Spectinomycin
	10465	N4111	2004-10	Method of test for Streptomycin in feeds
	10466	N4112	withdrawn	Method of test for feed additives: determination of tylosin (→ CNS 9533)
	10882	N4113	withdrawn	Method of test for feed additives: Determination of sorbic acid (→ CNS 10885)
	10883	N4114	1984-05	Method of Test for Feed Additives: Determination of Propionic Acid
	10884	N4115	1984-05	Method of Test for Feed Additives: Determination of Hygromycin B
	10885	N4116	2001-01	Method of test for preservatives in feeds
	11123	N4117	1984-11	Method of Test for Feed Additives: Determination of Roxarsone
	11124	N4118	1984-11	Method of Test for Feed Additives: Determination of Olaquinox
	11125	N4119	1984-11	Method of Test for Feed Additives: Determination of Halofuginone
	11126	N4120	1984-11	Method of Test for Feed Additives: Determination of Nitrovin

CNS no.	Category no.	Date of		Title
		Current edition		
11127	N4121	1984-11		Method of Test for Feed Additives: Determination of Avoparcin
11128	N4122	1984-11		Method of Test for Feed Additives: Determination of Dimetridazole
11129	N4123	2002-03		Determination of sulfadruugs in feeds
11130	N4124	1984-11		Method of Test for Feed Additives: Determination of Apramycin
11131	N4125	1984-11		Method of Test for Feed Additives: Detemination of Thiopeptin
11132	N4126	1984-11		Method of Test for Feed Additives: Determination of Enramycin
11133	N4127	1984-11		Method of Test for Feed Additives: Determination of Virginamycin
11134	N4128	1984-11		Method of Test for Feed Additives: Determination of Salinomycin
11135	N4129	1984-11		Method of Test for Feed Additives: Determination of Kitasamycin
11136	N4130	1984-11		Method of Test for Feed Additives: Determination of Kanamycin
11137	N4131	1984-11		Method of Test for Feed Additives: Determination of Flavomycin
11458	N4132	withdrawn		Method of test for tobacco – Sampling of batches of raw material – General principles
11459	N4133	withdrawn		Method of test for tobacco – Determination of water content
11460	N4134	withdrawn		Methods of test for tobacco and tobacco products – Determination of organochlorine pesticide residues
11461	N4135	withdrawn		Methods of test for tobacco and tobacco products – Determination of dithiocarbamate pesticides residues – Molecular absorption spectrometric method
11462	N4136	withdrawn		Methods of test for tobacco and tobacco products – Determination of maleic hydrazide residues
11463	N4137	2011-05		Method of test for fertilizer (General rules)
11463-1	N4137-1	1985-12		Method of Test for Fertilizers: Determination of Silicon Content
11463-2	N4137-2	withdrawn		Method of test for fertilizers : Determination of manganese content
11663	N4138	withdrawn		Determination of furazolidone in feeds ( → C N S 1 4 6 8 0 )
11664	N4139	1986-08		Determination of Pyrimethamine in Feeds
11735	N4140	1986-10		Method of Test for Refined Fish Liver Oil
12573	N4141	2001-01		Method of test for fertilizer ( Determination of magnesium content)
12900	N4142	1991-08		Method of Test for Fertilizers: Neubauer Test on Crop Injury
12954	N4143	withdrawn		Method of test for hazardous components in fertilizers : Determination of arsenic
12955	N4144	withdrawn		Method of test for hazardous components in fertilizers : Determination of cadmium content
12965	N4145	1992-02		Method of Test for Hazardous Components in Fertilizers: Determination of Biuret Nitrogen Content
12966	N4146	withdrawn		Method of test for hazardous components in fertilizers : Determination of nitrous acid
12967	N4147	withdrawn		Method of Test for Fertilizers : Determination of zinc content
12968	N4148	1992-02		Method of Test for Fertilizers: Determination of Boron Content
*	13027	N4149	1992-09	Method of Test for Fertilizers - Determination of Peat and Humus
	13028	N4150	1992-09	Method of Test for Coated Fertilizers - Determination of Dissolution Rate
	13029	N4151	withdrawn	Method of test for hazardous components in fertilizers – Determination of nickel content
	13030	N4152	withdrawn	Method of test for hazardous components in fertilizers – Determination of chromium content
	13031	N4153	withdrawn	Method of test for hazardous components in fertilizers – Determination of titanium content
	13171	N4154	withdrawn	Method of test for fertilizers – Determination of copper content
	13172	N4155	1993-03	Method of Test for Fertilizers - Determination of Iron Content
	13173	N4156	1993-03	Method of Test for Fertilizers - Determination of Cobalt Content
	13174	N4157	withdrawn	Method of test for fertilizers – Determination of calcium and alkalinity content
	13201	N4158	withdrawn	Method of test for fertilizers : Determination of lead content
	13202	N4159	1993-05	Method of Test for Fertilizers: Determination of Molybdenum Content
	13278	N4160	1993-10	Method of Test for Hazardous Components in Fertilizers (Determination of Sulfamic Acid Content)
	13279	N4161	withdrawn	Method of test for hazardous components in sulfate fertilizers (Determination of free sulfuric acid content)

## Agriculture

	CNS no.	Category no.	Date of	
			Current edition	Title
	13280	N4162	1993-10	Method of Test for Hazardous Components in Fertilizers (Determination of Sulfurous Acid Content)
*	13476	N4163	1995-01	Method of Test for Grains - Sampling
*	13498	N4164	1995-02	Method of Test for Grains - Thousand Kernel Weight
	13499	N4165	1995-02	Method of Test for Grains - Ash
*	13500	N4166	1995-02	Method of Test for Grains - Moisture contents of Cereals
	13501	N4167	1995-02	Method of Test for Grains - Moisture Content of Maize
	13502	N4168	1995-02	Method of Test for Chewing Cane
	13511	N4169	1995-04	Method of Test for Fresh Fruits and Vegetables - Sampling
	13560	N4170	1995-07	Method of Test for Grains - Brabender Amylography (1)
	13561	N4171	1995-07	Method of Test for Grains - Brabender Amylography (2)
	13569	N4172	1995-08	Method of Test for Grains - $\alpha$ -Amylase Activity
	13640	N4173	1996-03	Method of Test for Grains - Determination of Dry Gluten
	13641	N4174	1996-03	Method of Test for Grains - Determination of Wet Gluten by Hand Washing Method
	13642	N4175	1996-03	Method of Test for Grains - Determination of Wet Gluten by Mechanical Method
	13878	N4176	1997-05	Method of test for grains - Zeleny sedimentation test
	14303	N4177	1999-04	Method of test for wheat
	14373	N4178	1999-08	Method of test for cigarettes – Definitions and standard condition of routine analytical cigarette-smoking machine
	14374	N4179	1999-08	Method of test for cigarettes – Determination of total and nicotine-free dry particulate matter
	14375	N4180	1999-08	Method of test for cigarettes – Determination of nicotine in smoke condensates (gas-chromatographic method)
	14376	N4181	1999-08	Method of test for cigarettes – Determination of water in smoke condensates (gas-chromatographic method)
	14422	N4182	2000-05	Method of test for cigarettes - Sampling
	14573	N4183	2001-08	Starches and derived products – Determination of total phosphorus content – Spectrophotometric method
	14574	N4184	2001-08	Method of test for dextrose equivalent of starch hydrolysis products – Lane-Eynon method
	14575	N4185	2001-08	Method of test for sulfur dioxide content of starches and derived products – Acidimetric method and nephelometric method
	14618	N4186	2002-03	Method of test for fertilizer (Determination of activity index for nitrogen)
	14619	N4187	2002-03	Determination of $\beta$ -agonists sulbutamol, terbutaline and Clenbuterol in feeds
	14643	N4188	withdrawn	Method of test for fertilizers (Determination of chlorine and sodium chloride content)
	14680	N4189	2002-09	Method of test for Carbadox, Nitrofurazone and Furazolidone in feeds
	14681	N4190	2002-09	Method of test for fertilizers (Determination of sulfate content)
	14682	N4191	2002-09	Method of test for fertilizers (Determination of dicyandiamide nitrogen content)
	14747	N4192	2003-06	Method of test for fertilizer (Determination of guanidine nitrogen content)
	14748	N4193	2003-06	Method of test for fertilizer (Determination of carbon dioxide content)
	14869	N4194	2004-10	Microbiological method of screening test for Tetracyclines in feeds
	14885	N4195	2005-01	Method of test for Chloramphenicol, Thiamphenicol and Florfenicol in feeds
	14886	N4196	2005-01	Method of test for Norfloxacin, Danofloxacin, Enrofloxacin and Ofloxacin in feeds
	14887	N4197	2005-01	Method of test for Flumequine, Nalidixic acid and Oxolinic acid in feeds
	14888	N4198	2005-01	Method of test for Cephalexin in feeds
	15075	N4199	withdrawn	Determination of $\beta$ -agonists salbutamol in swine hair
	15143	N4200	withdrawn	Determination of $\beta$ -agonist ractopamine in swine hair
*	15214	N4201	2008-09	Method of pH value test for rice grain - Method of BTB-MR test

CNS no.	Category no.	Date of		Title
		Current edition		
15392	N4202	2020-05		Coffee triers
15394	N4203	2018-10		Green coffee in bags – Sampling
15395	N4204	2018-10		Green coffee – Determination of loss in mass at 105°C
15396	N4205	2018-10		Green coffee – Olfactory and visual examination and determination of foreign matter and defects
15397	N4206	2020-05		Green coffee or raw coffee – Size analysis – Manual and machine sieving
15398	N4207	2018-10		Green coffee – Determination of proportion of insect-damaged beans
15399	N4208	2018-10		Green coffee – Preparation of samples for use in sensory evaluation
15400	N4209	2018-10		Green and roasted coffee – Determination of free flow bulk density of whole beans (Routine method)
15410	N4210	2010-11		Method of test for veterinary drug residues in serum – Determination of nitrofurans metabolites
15411	N4211	2010-11		Method of test for veterinary drug residues in animal hair – Determination of multiresidues of $\beta$ -agonist
15401	N4212	2020-05		Green coffee – Guidelines for storage and transport
15402	N4213	2018-10		Green coffee – Defect reference chart
15404	N4214	2018-10		Roasted ground coffee – Determination of moisture content – Method by determination of loss in mass at 103°C (Routine method)
15405	N4215	2018-10		Roasted ground coffee – Determination of moisture content – Karl Fischer method (Reference method)
15487	N4216	2011-08		Method of test for veterinary drug residues in serum – Determination of multiresidue analysis of 44 veterinary
15488	N4217	2011-08		Method of test for veterinary drug residues in serum – Determination of multiresidue analysis of $\beta$ -agonist
15621	N4218	2012-12		Method of test for veterinary drug residues in serum - Determination of Chloramphenicol,thiamphenicol and florfenicol
15622	N4219	2012-12		Method of test for veterinary drug residues in serum – Determination of Cephalexin,cephapirin and cephalothin
15695	N4220	2013-10		Method of test for veterinary drug residues in serum - Determination of tetracyclines
15301-1	N4220-1	withdrawn		Method of test for biofertilizer – Determination of rhizobia
15301-2	N4220-2	withdrawn		Method of test for biofertilizer - Determination of free living nitrogen fixing bacteria
15301-3	N4220-3	withdrawn		Method of test for biofertilizer – Determination of phosphate solubilizing microorganisms
15301-4	N4220-4	withdrawn		Method of test for biofertilizer – Determination of potassium solubilizing microorganism
15301-5	N4220-5	withdrawn		Method of test for biofertilizer – Determination of arbuscular mycorrhizal fungi
15301-6	N4220-6	withdrawn		Method of test for biofertilizer – Determination of complex microorganisms
15301-7	N4220-7	withdrawn		Method of test for biofertilizer – Determination of microbial contamination rate
15301-8	N4220-8	withdrawn		Method of test for biofertilizer – Identification of microorganism based on ribosomal DNA sequence analysis
15696	N4221	2013-10		Method of test for veterinary drug residues in serum - Determination of $\beta$ - lactam antibiotics
15861-1	N4223-1	2015-12		Method of test for feed lipids – Determination of unsaponifiable matter content
15861-2	N4223-2	2015-12		Method of test for feed lipids – Determination of acid value and free fatty acid content
15861-3	N4223-3	2015-12		Method of test for feed lipids – Determination of total fatty acid content
15861-4	N4223-4	2015-12		Method of test for feed lipids – Determination of peroxide value
15861-5	N4223-5	2015-12		Method of test for feed lipids – Determination of insoluble impurities content
15861-6	N4223-6	2015-12		Method of test for feed lipids – Determination of moisture and volatile

## Agriculture

		Date of		
CNS no.	Category no.	Current edition	Title	
			matter content	
<b>Food</b>				
	193	N5001	2022-08	Edible peanut (arachis) oil
*	206	N5002	1998-03	Sugar
*	297	N5003	1995-04	Monosodium L - Glutamate
	373	N5004	withdrawn	Refined Common Salt
	376	N5005	withdrawn	Cane Molasses
*	423	N5006	2002-08	Soysauce
	550	N5007	2011-11	Wheat flour
	611	N5008	withdrawn	Soybean paste
	749	N5009	2019-11	Edible soybean (soya bean) oil
	761	N5010	2017-08	Margarine
*	822	N5011	2012-07	Canned pineapple
	1069	N5012	withdrawn	Edible Starch
	1070	N5013	withdrawn	Vinegar by fermentation (→CNS 1 4 8 3 4)
	1228	N5014	2008-03	Canned meat
*	1229	N5015	1989-02	Canned Fishes
*	1250	N5016	2012-08	Canned mushroom
*	1251	N5017	2019-06	Canned tomato puree and paste
*	1252	N5018	2012-08	Canned fruits
	1253	N5019	withdrawn	Canned bamboo shoots
*	1254	N5020	2012-10	Canned pickled vegetables
*	1255	N5021	2012-10	Canned ginger
*	1256	N5022	2012-10	Canned water chestnut
*	1257	N5023	2012-10	Canned beans
	1305	N5024	2016-06	Honey
	1313	N5025	withdrawn	Dehydrated Lotus Root
	1314	N5026	withdrawn	Lotus Root Strach
	1345	N5027	2005-12	Dehydrated fruits and vegetables
	1346	N5028	withdrawn	Preserves
*	1347	N5029	2000-05	Condensed milk
*	1416	N5030	1998-12	Soybean flour (edible)
	1438	N5031	withdrawn	Edible Yeast Powers
	1450	N5032	withdrawn	Frozen Fresh Tuna, Bonito, Marlin and Shark (→CNS 3 7 3 2)
	1484	N5033	2013-09	Starch thread
	1486	N5034	2008-03	Casing
	2052	N5035	withdrawn	Pickled mustard stems
*	2089	N5036	1995-01	Edible Melon Seed
	2102	N5037	withdrawn	Chinese style sausage
	2104	N5038	withdrawn	Chinese ham
	2106	N5039	withdrawn	Chilled and frozen meats
	2135	N5040	withdrawn	Spice cabbage (→CNS 2247)
	2136	N5041	withdrawn	Water Chestnut Powder
	2167	N5042	withdrawn	Fried pork fiber and dried pork fiber
*	2169	N5043	2016-04	Dried mullet roe
	2171	N5044	2008-03	Salted egg
	2173	N5045	2008-03	Pidan ( Peedan, Preserved egg, Alkalized egg)
*	2175	N5046	2012-08	Canned straw mushroom
	2208	N5047	withdrawn	Cured pressed duck
	2213	N5048	withdrawn	Cured meat and dried smoked liver
	2242	N5049	2019-11	Rice bran oil (Rice oil)
	2246	N5050	1999-08	Dried cuttle fish and squids
	2247	N5051	2005-05	Salted and pickled fruits and vegetables
*	2270	N5052	withdrawn	Carbonated soft drink
	2271	N5053	2019-11	Edible rapeseed oil (Low erucic acid)
	2298	N5054	withdrawn	Dried squid (→CNS 2 2 4 6)
	2300	N5055	2000-07	Frozen shrimp



	CNS no.	Category no.	Date of Current edition	Title
*	2341	N5056	2012-08	Canned mandarin oranges
*	2342	N5057	2000-05	Evaporated milk
*	2343	N5058	2015-11	Milk powders and cream powder
	2344	N5059	withdrawn	Sweetened condensed skim milk (→CNS 1 3 4 7)
	2345	N5060	withdrawn	Nonfat Dry Milk (Edible) (→CNS 2 3 4 3)
	2346	N5061	withdrawn	Milk (Non-Fat) (→CNS 3 0 5 6、1 3 2 9 2)
	2347	N5062	withdrawn	Sweetened Milk Powder (→CNS 3 4 9 5)
*	2348	N5063	2012-10	Canned asparagus
	2351	N5064	withdrawn	Frozen Red Snappers and Dolphin (for Export) (→CNS 3 7 3 2)
*	2377	N5065	2023-01	Fruit and vegetable juice products (Packaged)
	2379	N5066	2000-07	Dried bonito mackerel and horse mackerel
	2418	N5067	withdrawn	Frozen pea pods
	2419	N5068	withdrawn	Dried,sliced meat
	2421	N5069	2015-03	Edible lard
*	2434	N5070	1999-01	Vital wheat gluten
	2435	N5071	withdrawn	Dehydrated sweet potato strips
*	2509	N5072	2016-09	Edible modified milk powder
	2538	N5073	2000-07	Dried herring and horse mackerel
*	2539	N5074	2012-10	Canned vegetables
	2540	N5075	withdrawn	Pickled mustard (→CNS 2247)
	2771	N5076	withdrawn	Frozen mushrooms
	2772	N5077	withdrawn	Frozen fruits and vegetables
	2812	N5078	2022-03	Chilled and frozen liquid egg
	2814	N5079	withdrawn	Frozen rabbit meats
	2815	N5080	2005-12	Salted Mei (Japanese apricot)
	2816	N5081	2005-10	Salted gingers
	2832	N5082	2015-09	Edible sesame oil
	2874	N5083	2000-03	Glucose syrup and dried glucose syrup
	2875	N5084	withdrawn	Glucose syrup (→CNS 2 8 7 4)
	2877	N5085	2017-08	Butter
*	2878	N5086	2015-11	Cream
*	2879	N5087	2015-02	Edible processed cheese
	2921	N5088	withdrawn	Frozen Conger Eel (→CNS 3 7 3 2)
	2922	N5089	withdrawn	Frozen White Pomfret (→CNS 3 7 3 2)
*	2993	N5090	2012-10	Canned white jelly fungus
	3049	N5091	2019-11	Edible safflowerseed oil
	3055	N5092	2022-10	Raw milk
*	3056	N5093	2022-10	Fresh milk
*	3057	N5094	2015-11	Flavored milk
	3058	N5095	2016-06	Fermented milk
*	3184	N5096	2012-10	Canned baby corn or young corn
*	3185	N5097	2012-10	Canned sweet potatoes
	3282	N5098	2008-03	Dried egg white powder
	3286	N5099	withdrawn	Frozen green asparagus
*	3314	N5100	2012-10	Canned bean sprout
	3348	N5101	2000-03	Solid Glucose
	3350	N5102	withdrawn	Powdered Glucose
	3368	N5103	withdrawn	Foods for Infants
	3438	N5104	withdrawn	Citrus Essence Powder
*	3439	N5105	withdrawn	Citrus juice powder
	3456	N5106	withdrawn	Instant Foods
	3495	N5107	withdrawn	Flavored milk powder ( Edible)
*	3497	N5108	2012-09	Canned tomatoes
	3526	N5109	2002-07	Canned crab meat
	3527	N5110	2019-11	Edible maize oil (Edible corn oil)
	3583	N5111	withdrawn	Malt sugar syrup
	3683	N5112	withdrawn	Frozen pineapples
	3732	N5113	1999-08	Frozen fish

## Food

	CNS no.	Category no.	Date of Current edition	Title
	3733	N5114	1999-08	Refrigerated and frozen aquatic mollusk
	3756	N5115	2002-07	Canned shrimp
*	3757	N5116	2012-08	Canned oyster mushroom
*	3758	N5117	2012-08	Canned golden mushroom
	3857	N5118	withdrawn	Edible red pepper oils
*	3898	N5119	2012-08	Canned abalone mushroom
*	3899	N5120	2012-04	Breads
*	3900	N5121	1997-05	Frozen roasted eel
*	3925	N5122	1997-05	Frozen frog legs
	3963	N5123	2008-03	Mayonnaise
	4015	N5124	withdrawn	Emergency rations for life boats and life rafts
	4056	N5125	2010-12	Food grade salt
	4057	N5126	withdrawn	Chilled and frozen poultry
	4092	N5127	withdrawn	Canned Salsity
	4144	N5128	withdrawn	Ham
*	4146	N5129	2012-10	Canned okra
*	4147	N5130	2014-09	Canned grass jelly
*	4148	N5131	1999-01	Canned peanut butter
*	4149	N5132	2012-10	Canned chinese foods
	4186	N5133	2005-10	Salted mushrooms
*	4202	N5134	2003-04	Edible chlorella
	4337	N5135	2002-07	Canned snail meat
*	4398	N5136	1997-05	Frozen snail meat
*	4453	N5137	1997-05	Frozen dried shrimp
*	4456	N5138	2002-07	Canned tuna and bonito
	4528	N5139	withdrawn	Frozen white asparagus
	4640	N5140	2002-07	Frozen minced fish meat
	4642	N5141	withdrawn	Sugar cane juice (→CNS 2377)
*	4681	N5142	2019-06	Canned tomato katsup
	4768	N5143	withdrawn	Frozen prepared foods
	4832	N5144	2015-02	Edible cottonseed oil
	4833	N5145	2019-11	Edible sunflowerseed oil
	4834	N5146	2015-10	Edible coconut oil
	4835	N5147	2015-10	Edible palm kernel oil
	4836	N5148	2015-10	Edible palm oil
	4837	N5149	2015-09	Edible olive oil and olive pomace oil
	4838	N5150	2005-10	Salted cucumbers
	4839	N5151	withdrawn	Brine-cured scallion (→CNS 2247)
	4840	N5152	withdrawn	Brine-cured eggplant (→CNS 2247)
	4867	N5153	withdrawn	Crystalline Dextrose
*	4892	N5154	2012-08	Packaged jams
*	4960	N5155	withdrawn	Candy
	4988	N5156	2015-10	Edible tallow
	4989	N5157	2015-06	Shortening
	4991	N5158	2006-07	Noodles
	3367	N5159	withdrawn	Agar-agar
*	5628	N5160	1998-12	Miso
*	5930	N5161	2012-08	Canned apples
	6247	N5162	withdrawn	Dregs preserved vegetable (Packaged) (→CNS 2247)
	6248	N5163	withdrawn	Miso preserved vegetable (Packaged) (→CNS 2247)
	6249	N5164	withdrawn	Bran preserved vegetable (Packaged) (→CNS 2247)
	6250	N5165	withdrawn	Soy-sauce preserved vegetable (Packaged) (→CNS 2247)
	6251	N5166	withdrawn	Vinegar preserved vegetable (Packaged) (→CNS 2247)
	6394	N5167	2006-08	Edible fungi and fungus products
	6503	N5168	2016-06	Spices and Condiments – Pepper, whole or ground
	6505	N5169	withdrawn	Soybean curd
	6506	N5170	2002-07	Frozen shrimp graded and packaged on board
	6508	N5171	2017-06	Dairy ice cream (Packaged)
	6606	N5172	withdrawn	Western style sausage

	Date of			
CNS no.	Category no.	Current edition	Title	
	6607	N5173	withdrawn	Western style sausage (with meat and fish)
*	6849	N5174	2008-11	Infant formula
	6945	N5175	2000-07	Dehydrated larval fish, chilled
	7069	N5176	2005-10	Salted bamboo shoots
	7521	N5177	withdrawn	Coconut Fat for Frozen Dessert
	7522	N5178	withdrawn	Ices (Packaged )
	7523	N5179	withdrawn	Mellorine (Packaged)
*	7524	N5180	2007-01	Edible whey powder
	7525	N5181	2015-02	Edible blended vegetable oil
	7526	N5182	2016-10	Cocoa butter
	7527	N5183	2022-08	Edible palm olein
	7528	N5184	2015-10	Edible palm stearin
	7923	N5185	withdrawn	Kapok oil(edible)
	7924	N5186	withdrawn	Niger seed oil(Eible)
*	8048	N5187	2014-08	Spices and Condiments - Nomenclature
*	8049	N5188	2015-06	Spices and condiments – Curry powder
	8053	N5189	1999-08	Fry fish fiber
	8055	N5190	withdrawn	Flavored condiments
	8154	N5191	withdrawn	Refined Lard (Edible) (→CNS 8 1 5 6 )
	8155	N5192	withdrawn	Edible rendered pork fat
	8156	N5193	2015-06	Edible refined processed oil and fat
*	8733	N5194	2015-06	Spices and condiments - Pimento(allspice), whole or ground
*	8734	N5195	2015-06	Spices and condiments – Chillies and capsicums, whole or ground (powdered)
	9318	N5196	withdrawn	Special dietary foods with low sodium contents (including salt substitutes)
*	9319	N5197	withdrawn	Macaroni, spaghetti and vermicelli
	9537	N5198	2010-05	Instant noodles
	9636	N5199	2002-07	Chilled fish
*	9638	N5200	1982-11	Method of Test for Calcium and Phosphorus in Food Stuff
*	9906	N5201	1983-01	Cereal Based Foods for Infant and Children
	10027	N5202	2006-08	Grated desiccated coconut
	10028	N5203	2016-10	Cocoa powders and dry mixtures of cocoa and sugars
	10029	N5204	2010-11	Instant coffee
	10467	N5205	withdrawn	Artificial vinegar (→CNS 1 4 8 3 4 )
*	10838	N5206	1984-03	Canned Baby Food
*	10860	N5207	2019-09	Dry milk product – General rule
	10861	N5208	withdrawn	Instant Nonfat Dry Milk (Edible) (→CNS 2 3 4 3 )
	10862	N5209	withdrawn	Dry Butter Milk (Edible) (→CNS 2 3 4 3 )
	11138	N5210	withdrawn	Soybean drink
	11139	N5211	2010-05	Formulated soymilk
	11140	N5212	2010-05	Soymilk
	11172	N5213	2013-09	Rice thread
	11210	N5214	withdrawn	Retort pouched foods
	11369	N5215	2000-06	High fructose syrup
*	11371	N5216	2001-07	Lactose
	11509	N5217	2007-01	Edible goat milk powder
*	11635	N5218	withdrawn	Biscuits
	11665	N5219	2016-07	Raisins (Packaged)
*	11712	N5220	2012-10	Canned sweet corn
	11809	N5221	withdrawn	Forest mushroom (shiitake) hot air dehydrated
	11929	N5222	withdrawn	Wakame, dried
*	12149	N5223	1987-10	Sport Drinks (Packaged )
*	12650	N5224	2012-10	Canned mixed congee
*	12700	N5225	2019-06	Packaged mineral water
	12729	N5226	2006-06	Packaged soybean curd (Tofu)
	12730	N5227	2006-06	Packaged soybean pudding
*	12852	N5228	2011-11	Packaged drinking water
*	13235	N5229	2008-12	Follow-up infant formula

## Food

CNS no.	Category no.	Date of		Title
		Current edition		
13292	N5230	2022-10		Sterilized milk
13456	N5231	withdrawn		Chilled and frozen edible offals of domestic animals
13458	N5232	withdrawn		Chilled and frozen edible offals of poultry
13879	N5233	withdrawn		Smoked duck steak
14452	N5234	2000-07		Soybean protein
14453	N5235	2000-07		Vegetable protein
14721	N5236	2003-04		Edible spirulina
14767	N5237	2019-11		Edible high oleic safflowerseed oil
14768	N5238	2019-11		Edible high oleic sunflowerseed oil
14834	N5239	2014-09		Edible vinegar
14847	N5240	2011-11		Rice spirits
14848	N5241	2010-02		Chinese spirits
14874	N5242	2019-11		Edible mid-oleic acid sunflowerseed oil
14875	N5243	2015-09		Edible grapeseed oil
22000	N5244	2021-08		Food safety management systems – Requirements for any organization in the food chain
15144	N5245	2008-03		Dried meat product
15145	N5246	2008-03		Prepared meat product
15146	N5247	2008-03		Cured meat product
15147	N5248	2008-03		Egg and egg product - General rules
15148	N5249	2008-03		Chilled and frozen meat
15149	N5250	2008-03		Chilled and frozen edible offal
15168	N5251	2008-03		Sausage
15170	N5252	2008-03		Meat and meat product - General rules
* 15224	N5253	2008-11		Infant formula for special medical purposes
22004	N5254	withdrawn		Food safety management systems – Guidance on the application of CNS 22000: 2006 (replaced by CNS 22000)
15350	N5255	2011-11		Cooking rice wine
15351	N5256	2011-11		Edible alcohol
15366	N5257	2010-05		Fermented soymilk
15474	N5258	2016-06		Royal jelly
15771	N5259	2014-11		Milled rice flour
15792	N5260	2015-02		Dairy drinks
15817	N5261	2015-06		Edible camellia seed oil
15934	N5262	2016-09		Composite milk product (Powder)
15942	N5263	2016-10		Cocoa mass and cocoa cake
* 16152	N5264	2021-08		Fruiting body of Niu-Chang-Chih(Ku)

## Testing and Inspection

548	N6001	withdrawn		Method of test for food grade salt
551	N6002	withdrawn		Method of test for wheat flour (→CNS 550)
703	N6003	withdrawn		Testing Standard for Tapioca Powder (→CNS 1069)
750	N6004	withdrawn		Testing Standard for Dried Litchi
751	N6005	withdrawn		Testing Standard for Dried Huskless Litchi
762	N6006	withdrawn		Method of test for margarine
* 765	N6007	1995-04		Method of Test for Monosodium L - glutamate
955	N6008	withdrawn		Method of test for soy sauce
956	N6009	withdrawn		Methods of test for soybean paste
958	N6010	withdrawn		Method of Test for Peanut Oil
* 967	N6011	1996-12		Method of Test for Canned Food - General Rules
968	N6012	withdrawn		Method of Test for Canned Food: Packaging Inspection
* 969	N6013	1996-12		Method of Test for Canned Food - Appearance of Can
* 970	N6014	1996-12		Method of Test for Canned Food - Sampling
* 971	N6015	1996-12		Method of Test for Canned Food - Determination for Degree of Vacuum
972	N6016	withdrawn		Method of Test for Canned Food: Pressure Test
* 973	N6017	1996-12		Method of Test for Canned Food - Inspection for Interior of Can
* 974	N6018	1996-12		Method of Test for Canned Food - Determination of Net Weight and Drain Weight

		Date of		
CNS no.	Category no.	Current edition	Title	
*	975	N6019	1996-12	Method of Test for Canned Food - Determination of Optional Ingredients
	976	N6020	withdrawn	Method of Test for Canned Pineapple (Test of Acidity)
	977	N6021	withdrawn	Method of Test for Canned Pineapple (Examination of Slice Dimensions)
*	978	N6022	1996-12	Method of Test for Canned Food - Inspection for Flavor and Odor
*	979	N6023	1996-12	Method of Test for Canned Food - Inspection for Extraneous Matters
	980	N6024	withdrawn	Method of Test for Canned Food - Grading and Scoring
	1071	N6025	withdrawn	Method of test for vinegar (→CNS 1 4 8 3 4)
*	1338	N6026	1998-09	Method of test for sugar
	1344	N6027	withdrawn	Method of test for honey (→CNS 1305)
	1418	N6028	withdrawn	Method of test for soybean powder (→CNS 1 4 1 6)
*	1451	N6029	1997-05	Method of test for frozen fishes
	1485	N6030	withdrawn	Method of Test for Starch Thread
	1487	N6031	withdrawn	Method of test for casings
	2103	N6032	withdrawn	Method of test for Chinese sausage (→CNS 2 1 0 2)
	2105	N6033	withdrawn	Method of test for Chinese ham
	2107	N6034	withdrawn	Method of test for chilled and frozen meats
	2137	N6035	withdrawn	Method of Test for Water Chestnut Powder
	2168	N6036	withdrawn	Method of test for shredded pork
*	2170	N6037	withdrawn	Method of test for dried mullet roe
	2172	N6038	withdrawn	Method of test for salted egg (→CNS 2 1 7 1)
	2174	N6039	withdrawn	Method of test for alkalized eggs (thousand year eggs, pidan)
	2209	N6040	withdrawn	Method of test for cured pressed duck
	2214	N6041	withdrawn	Method of test for cured meat and dried smoked liver
	2299	N6042	withdrawn	Method of test for dried squids and cuttle fish (→CNS 2 2 4 6)
	2301	N6043	2000-07	Method of test for frozen shrimp
	2333	N6044	withdrawn	Method of Test for Rice Bran Oil
	2417	N6045	withdrawn	Method of test for dried shipjacks and mackerels (→CNS 2 3 7 9)
	2420	N6046	withdrawn	Method of test for dried, sliced meat
	2422	N6047	withdrawn	Methods of Test for Edible Lard
	2813	N6048	withdrawn	Method of test for frozen fruits and vegetables
	2896	N6049	withdrawn	Method of test for dehydrated fruits and vegetables
	2923	N6050	withdrawn	Method of test for frozen eggs (→CNS 2 8 1 2)
	2992	N6051	withdrawn	Method of Test for Milk and Milk Products
	3050	N6052	withdrawn	Method of Test for Safflower Oil
	3218	N6053	withdrawn	Method of test for dried glucose syrup and glucose syrup (→CNS 2 8 7 4)
	3349	N6054	withdrawn	Method of test for solid glucose (→CNS 3 3 4 8)
	3351	N6055	withdrawn	Method of Test for Powdered Glucose
*	3440	N6056	2007-01	Method of test for milk and milk products - General rules
*	3441	N6057	2007-01	Method of test for milk and milk products - Titration of acidity
*	3442	N6058	2007-01	Method of test for milk and milk products - Determination of specific gravity
*	3443	N6059	2007-01	Method of test for milk and milk products - Determination of moisture content
*	3444	N6060	2013-05	Method of test for milk and milk products - Determination of fat content
	3445	N6061	2007-01	Method of test for milk and milk products - Determination of lactose content
	3446	N6062	2007-01	Method of test for milk and milk products - Determination of sucrose content
	3447	N6063	2007-01	Method of test for milk and milk products - Test of phosphatase
*	3448	N6064	2016-06	Method of test for milk and milk products - Determination of total solids
*	3449	N6065	2019-12	Method of test for milk and milk products - Determination of protein
	3450	N6066	withdrawn	Method of test for milk and milk products: Detection of iso-fat

## Food

CNS no.	Category no.	Date of		Title
		Current edition		
3451	N6067	2007-01		Method of test for milk and milk products - Determination of sediment
3452	N6068	2021-12		Method of test for milk and milk products – Alcohol test and methylene blue reduction test for raw milk
3453	N6069	2007-01		Method of test for milk and milk products - Test of the residual antimicrobial substances in raw milk
3454	N6070	2007-01		Method of test for milk and milk products - Determination of solubility index for dry milk
3455	N6071	2007-01		Method of test for milk and milk products - Determination of viscosity in condensed milk
3528	N6072	withdrawn		Methods of test for butter (→CNS 2 8 7 7)
3584	N6073	withdrawn		Methods of test for malt sugar syrup
3639	N6074	2003-09		Method of test for edible oils and fats—General rules
3640	N6075	withdrawn		Method of test for edible oils and fats—Inspection of appearance
3641	N6076	2003-09		Method of test for edible oils and fats—Color test
3642	N6077	2003-09		Method of test for edible oils and fats—Determination of moisture and volatile matter
3643	N6078	2003-09		Method of test for edible oils and fats—Determination of insoluble impurities
3644	N6079	2003-09		Method of test for edible oils and fats—Determination of relative gravity
3645	N6080	2003-09		Method of test for edible oils and fats—Determination of refractive index
3646	N6081	2009-05		Method of test for edible oils and fats - Determination of iodine value
3647	N6082	2003-09		Method of test for edible oils and fats—Determination of acid value
3648	N6083	2003-09		Method of test for edible oils and fats—Determination of saponification value
3649	N6084	2003-09		Method of test for edible oils and fats—Determination of unsaponifiable matter
3650	N6085	2003-09		Method of test for edible oils and fats—Determination of peroxide value
3651	N6086	2003-09		Method of test for edible oils and fats—Cloud point test
3652	N6087	2003-09		Method of test for edible oils and fats—Cold test
3653	N6088	2003-09		Method of test for edible oils and fats—AOM method for stability test
3722	N6089	2007-01		Method of test for milk and milk products - Determination of ash in edible cheese
3723	N6090	2007-01		Method of test for milk and milk products - Determination of chloride content in edible cheese
*	3736	N6091	2004-08	Method of test for fruit and vegetable juices and drinks— General rules
*	3761	N6092	withdrawn	Methods of test for carbonated soft drink
*	3791	N6093	withdrawn	Method of test for metal in canned food – determination of tin
*	3962	N6094	withdrawn	Method of test for instant noodles
	3964	N6095	withdrawn	Method of test for mayonnaise (→CNS 3 9 6 3)
	4058	N6096	withdrawn	Method of test for chilled and frozen poultry
*	4090	N6097	withdrawn	Method of test for aflatoxins in foods
	4091	N6098	withdrawn	Method of test for edible oils and fats—determination of erucic acid
	4143	N6099	withdrawn	Method of test for edible oils and fats—determination of Mercury
	4145	N6100	withdrawn	Method of test for ham
	4338	N6101	withdrawn	Method of test for salted mushrooms (→CNS 4 1 8 6)
*	4399	N6102	1997-05	Method of test for frozen snail meat
*	4454	N6103	1997-05	Method of test for freeze dried shrimp
*	4455	N6104	1997-05	Method of determination for dark meat in canned fish
	4529	N6105	withdrawn	Method of test for edible oils and fats – Determination of lead
	4597	N6106	withdrawn	Method of test for edible chlorella (→CNS 4 2 0 2)
	4641	N6107	withdrawn	Method of Test for Frozen Minced Fish Meat (→CNS 4 6 4 0)
	4680	N6108	withdrawn	Method of test for salted gingers (→CNS 2 8 1 6)
	4841	N6109	2003-09	Method of test for edible oils and fats—Determination of melting point (capillary tube method)

CNS no.	Category no.	Date of		Title
		Current edition		
4842	N6110	withdrawn		Method of test for edible oils and fats—determination of total fatty acids
4990	N6111	withdrawn		Method of test for shortening
4992	N6112	withdrawn		Method of test for dry noodles (→CNS 4991)
5006	N6113	withdrawn		Method of test for Agar - agar
* 5033	N6114	1984-01		Methods of Test for Moisture in Food
* 5034	N6115	1984-01		Method of Test for Ash in Food
* 5035	N6116	1986-08		Method of Test for Crude Protein in Food
* 5036	N6117	1984-01		Methods of Test for Crude Fat in Food
* 5037	N6118	1997-08		Method of test for foodstuffs - determination of crude fiber content
* 5255	N6119	1987-07		Determination of Water Activity for Foodstuffs
* 5629	N6120	1997-08		Method of test for foodstuffs - detection of extraneous materials
* 5916	N6121	withdrawn		Method of test for residual antibiotic substances in food
5926	N6122	2016-06		Method of test for spices and condiments – Sampling
* 5927	N6123	2015-06		Method of test for spices and condiments – Preparation of a ground sample for analysis
* 5928	N6124	1997-08		Method of test for spices and condiments - determination of alcohol-soluble extract
5929	N6125	2016-06		Method of test for spices and condiments – Determination of extraneous matter and foreign matter content
6246	N6126	1997-11		Method of test for brined foods
6252	N6127	withdrawn		Method of test for preserved vegetable: Sampling (→CNS 6 2 4 6)
6253	N6128	withdrawn		Method of test for preserved vegetable: Determination of nitrogen (→CNS 6 2 4 6)
6254	N6129	withdrawn		Method of test for preserved vegetable: Determination of drained weight (→CNS 6 2 4 6)
6255	N6130	withdrawn		Method of test for preserved vegetable: Determination of salt content (→CNS 6 2 4 6)
6256	N6131	withdrawn		Method of test for preserved vegetable: Determination of prl (→CNS 6 2 4 6)
6257	N6132	2008-03		Method of test for meat and meat products - General rules for sampling
6258	N6133	2008-03		Method of test for meat and meat products - Determination of moisture content
6259	N6134	2008-03		Method of test for meat and mesat products - Determination of ash content
6260	N6135	2008-03		Method of test for meat and meat products - Determination of pH
6390	N6136	withdrawn		Method of Test for Meat and Meat Products: Determination of Nitrite Content (→CNS 1 0 8 8 8)
6391	N6137	2008-03		Method of test for meat and meat products - Determination of nitrate content
6392	N6138	2008-03		Method of test for meat and meat products - Determination of total fat content
6393	N6139	2014-04		Method of test for meat and meat products - Determination of free fat content
* 6502	N6140	2015-06		Method of test for spices and condiments – Determination of cold water-soluble extract
6504	N6141	withdrawn		Method of test for spices and condiments - Determination of percentage of light berries in whole pepper (→CNS 6 5 0 3)
6507	N6142	withdrawn		Method of Test for Frozen Shrimp Graded and Packaged on Board (→CNS 6 5 0 6)
6509	N6143	withdrawn		Method of test for ice cream (replaced by CNS 6508)
6510	N6144	2008-03		Method of test for meat and meat products - Determination of starch content
6511	N6145	2008-03		Method of test for meat and meat products - Determination of crude protein content
6512	N6146	2008-03		Method of test for meat and meat products - Determination of chloride content

## Food

CNS no.	Category no.	Date of		Title
		Current edition		
6608	N6147	2008-03		Method of test for meat and meat products - Determination of L-hydroxyproline content
6609	N6148	2008-03		Method of test for meat and meat products - Determination of L-(+)-glutamic acid content
6610	N6149	2008-03		Method of test for meat and meat products - Determination of soybean flour and soy protein concentrate content
6611	N6150	2015-02		Method of test for meat and meat products - Determination of total phosphorus content
*	7070	N6151	2015-02	Method of test for spices and condiments - Determination of moisture content - Entrainment method
	7839	N6152	withdrawn	Method of test for dehydrated larval fish, chilled (→C N S 6 9 4 5)
*	7919	N6153	2015-02	Method of test for spices and condiments - Determination of total ash
*	7920	N6154	1981-09	Spices and Condiments Determination of Water - Insoluble Ash
*	7921	N6155	2015-06	Method of test for spices and condiments - Determination of acid-insoluble ash
*	7922	N6156	2015-06	Method of test for spices and condiments – Determination of non-volatile ether extract
	8050	N6157	2016-06	Method of test for spices and condiments – Determination of scoville index in chillies
*	8051	N6158	2015-06	Method of test for spices and condiments - Determination of degree of fineness of grinding - Hand sieving method
*	8052	N6159	withdrawn	Method of test for histamine in foods
	8054	N6160	withdrawn	Method of test for shred fish (→C N S 8 0 5 3)
	8056	N6161	withdrawn	Method of test for flavored condiments
	8452	N6162	2003-09	Method of test for edible oils and fats—Determination of slip melting point(open-tube method)
	8622	N6163	2004-08	Method of test for fruit and vegetable products—Determination of water-insoluble solids
	8623	N6164	withdrawn	Method of test for fruit and vegetable products – Determination of Tin
	8624	N6165	2004-08	Method of test for fruit and vegetable products—Determination of mineral impurities
	8625	N6166	2004-08	Method of test for fruit and vegetable products—Determination of ash insoluble in hydrochloric acid
	8626	N6167	2004-08	Method of test for fruit and vegetable products—Determination of titratable acidity
*	8859	N6168	1990-05	Method of Test for Determining of Vitamin A Content for Foodstuff
*	8860	N6169	1982-05	Method of Test for the Residue of Anti-biotic for Foodstuff (Babyfood Use)
*	9320	N6170	withdrawn	Methods of test for macaroni spaghetti and vermicelli
*	9429	N6171	withdrawn	Method of test for beverage – Determination of saponin
*	9430	N6172	1982-09	Method of Test for Beverage: Determination of Total Solids and Moisture
*	9431	N6173	1982-09	Method of Test for Beverage: Determination of Water - insoluble Solids
	9432	N6174	2009-07	Method of test for caffeine content in foods
*	9433	N6175	withdrawn	Method of test for beverage – Determination of essential oil
*	9434	N6176	1982-09	Method of Test for Beverage: Determination of Total Acidity
*	9435	N6177	1982-09	Method of Test for Beverage: Determination of Water - Soluble Solids
	9637	N6178	withdrawn	Method of Test for Chilled Fish (→C N S 9 6 3 6)
	10030	N6179	withdrawn	Method of test for instant coffee
*	10291	N6180	withdrawn	Method of test for beverage – Determination of methanol content
	10292	N6181	withdrawn	Method of Test for Beverage - Determination of Alcohol Content
	10886	N6182	withdrawn	Method of test for preserved fruits
	10887	N6183	withdrawn	Method of test for salted prunes
*	10888	N6184	withdrawn	Method of test for nitrites in food



Date of				
CNS no.	Category no.	Current edition	Title	
*	10889	N6185	withdrawn	Methods of test for dyes in food
	10890	N6186	withdrawn	Method of test for food microbiology – Test of standard plate count (Aerobic plate count)
*	10891	N6187	withdrawn	Method of test for food microorganisms – Test of Staphylococcus aureus
*	10892	N6188	1984-05	Methods of Test for Bactericides in Food - Test of Residual Chlorine
*	10893	N6189	withdrawn	Method of test for bactericides in food – Test of hydrogen peroxide
*	10949	N6190	withdrawn	Method of test for preservatives in foods
*	10950	N6191	withdrawn	Method of test for artificial sweeteners in foods
*	10951	N6192	withdrawn	Method of test for food microorganisms – Test of Escherichia coli
*	10952	N6193	withdrawn	Method of test for food microorganisms – Test of Salmonella
*	10984	N6194	withdrawn	Method of test for food microbiology – Test of coliform bacteria
	11026	N6195	withdrawn	Method of test for milk and milk products - Determination of titrable acidity
	11028	N6196	2007-01	Method of test for milk and milk products - Determination of scorched particles
	11173	N6197	withdrawn	Method of test for rice vermicelli (→CNS 11172)
	11247	N6198	withdrawn	Method of test for retort pouch with food
	11289	N6199	2010-11	Instant coffee – Determination of insoluble matter
	11370	N6200	withdrawn	Method of test for high fructose syrup (→CNS 11369)
	11394	N6201	withdrawn	Method of test for milk and milk products - Determination of non fat solids for fermented milk
	11736	N6202	2007-01	Method of test for milk and milk products - Determination of fat content in ice cream products
	11737	N6203	2007-01	Method of test for milk and milk products - Detection of vegetable fat in milk fat
	11810	N6204	withdrawn	Method of test for forest mushroom (Shiitake) hot air dehydrated
*	11867	N6205	1997-02	Method of Test for Canned Food-leaking Test
*	11884	N6206	withdrawn	Method of test for candy
	11930	N6207	withdrawn	Method of test for wakame dried
*	12150	N6208	1987-10	Method of Test for Sport Drinks
	12322	N6209	withdrawn	Method of test for the residual tetracyclines in meat and meat products
*	12538	N6210	withdrawn	Method of test for food microorganisms – Test of vibrio parahaemolyticus
*	12539	N6211	withdrawn	Methods of test for food microbiology – Test of enteropathogenic escherichia coli
*	12540	N6212	withdrawn	Method of test for food microbiology – Test of bacillus cereus
*	12541	N6213	withdrawn	Method of test for food microorganisms – Test of Shigella
*	12542	N6214	withdrawn	Method of test for Staphylococcus aureus in food
	12569	N6215	2006-04	Method of test for fruit and vegetable juice products - Determination of soluble solids
	12570	N6216	withdrawn	Method of Test for Fruit and Vegetable Juices and Drinks - Determination of Acidity
*	12571	N6217	2004-08	Method of test for fruit and vegetable juices and drinks – Determination of ash
	12629	N6218	withdrawn	Method of Test for Fruit and Vegetable Juices and Drinks - Determination of Water-Insoluble Solids
*	12630	N6219	2006-04	Method of test for fruit and vegetable juice products - Determination of Formol nitrogen
	12631	N6220	2004-08	Method of test for fruit and vegetable juices and drinks – Determination of total phosphorus
	12632	N6221	2004-08	Method of test for fruit and vegetable juices and drinks – Determination of free amino acids
	12633	N6222	2004-08	Method of test for fruit and vegetable juices and drinks – Determination of glucose,fructose and sucrose by enzymatic analysis
	12634	N6223	2006-04	Method of test for fruit and vegetable juice products - Determination of sugars by HPLC

## Food

CNS no.	Category no.	Date of		Title
		Current edition		
12635	N6224	2004-08		Method of test for fruit and vegetable juices and drinks – Determination of organic acids
12636	N6225	2004-08		Method of test for fruit and vegetable juices and drinks – Determination of citric acid by enzymatic analysis
12637	N6226	2004-08		Method of test for fruit and vegetable juices and drinks – Determination of isocitric acid by enzymatic analysis
12638	N6227	2004-08		Method of test for fruit and vegetable juices and drinks – Determination of sodium,potassium,calcium and magnesium by atomic absorption spectrophotometry
*	12723	N6228	1990-05	Method of Test for Determining of Vitamin E Content for Infant Formula
*	12724	N6229	1990-05	Method of Test for Determining of Vitamin E Content for Foodstuff
*	12725	N6230	1990-05	Method of Test for Determining of Vitamin A Content for Infant Formula
*	12869	N6231	1991-05	Methods of Test for Minerals in Infant Formula - Test of Copper, Iron Magnesium, Manganese, Potassium, Sodium and Zinc
*	12924	N6232	1991-11	Checking The Net Contents of Packaged Foods
*	12925	N6233	withdrawn	Method of test for food microorganisms – Test of mold and yeast count
	12956	N6234	2007-01	Method of test for milk and milk products - Determination of citric acid content in edible cheese
	12957	N6235	2007-01	Method of test for milk and milk products - Determination of total phosphorus content in edible cheese
	12980	N6236	2007-01	Method of test for milk and milk products - Determination of nitrate and nitrite content in edible cheese
	12981	N6237	2007-01	Method of test for milk and milk products - Determination of fat content in edible cheese
*	12982	N6238	withdrawn	Method of test for food microorganisms – Test of listeria monocytogenes
	12984-1	N6239-1	withdrawn	Method of test for water - Determination of odor
	12984-2	N6239-2	withdrawn	Method of test for water - Determination of taste
	12984-3	N6239-3	withdrawn	Method of test for water - Determination of turbidity
	12984-4	N6239-4	withdrawn	Method of test for water - Determination of color
	12984-5	N6239-5	withdrawn	Method of test for water - Determination of hardness
	12984-6	N6239-6	withdrawn	Method of test for water - Determination of pH
	13110	N6240	withdrawn	Method of test for pesticide residues in food – Test of monocrotophos, an organophosphorous pesticide
	13111	N6241	withdrawn	Method of test for pesticide residues in food – Test of cyhalothrin, a pyrethroid insecticide
	13112	N6242	withdrawn	Method of test for pesticide residues in food – Test of prothiofos, an organophosphorous pesticide
	13113	N6243	withdrawn	Method of test for pesticide residues in food – Test of fenarimol, a fungicide
	13114	N6244	withdrawn	Method of test for pesticide residues in food – Test of fluvalinate, a pyrethroid insecticide
	13115	N6245	withdrawn	Method of test for pesticide residues in food – Test of iprodione, a fungicide
	13116	N6246	withdrawn	Method of test for pesticide residues in food – Test of parathion, an organophosphorous pesticide
	13117	N6247	withdrawn	Method of test for pesticide residues in food – Test of phosmet, an organophosphorous pesticide
*	13184	N6248	withdrawn	Method of test for veterinary drug residue in food – Test of Ormetoprim
*	13185	N6249	withdrawn	Method of test for veterinary drug residue in food – Test of Olaquinox
	13236	N6250	withdrawn	Method of test for pesticide residues in food – Test of pirimicarb, a carbamate insecticide
	13237	N6251	withdrawn	Method of test for pesticide residues in food – Test of methomyl, a carbamate insecticide

CNS no.	Category no.	Date of		Title
		Current edition		
13238	N6252	withdrawn		Method of test for pesticide residues in food – Test of phenthoate, an organophosphorous insecticide
13239	N6253	withdrawn		Method of test for pesticide residues in food – Test of phorate, an organophosphorous insecticide
13240	N6254	withdrawn		Method of test for pesticide residues in food – Test of fonofos, an organophosphorous insecticide
13241	N6255	withdrawn		Method of test for pesticide residues in food – Test of azinphos-methyl, an organophosphorous insecticide
13242	N6256	withdrawn		Method of test for pesticide residues in food – Test of ethion, an organophosphorous insecticide
13243	N6257	withdrawn		Method of test for pesticide residues in food – Test of permethrin, a pyrethroid insecticide
13244	N6258	withdrawn		Method of test for pesticide residues in food – Test of vinclozolin, a fungicide
13309	N6259	withdrawn		Method of test for pesticide residues in food – Test of carbendazim, a carbamate pesticide
13310	N6260	withdrawn		Method of test for pesticide residues in food – Test of phoxim, an organophosphorous pesticide
13311	N6261	withdrawn		Method of test for pesticide residues in food – Test of phosphamidon, an organophosphorous pesticide
13312	N6262	withdrawn		Method of test for pesticide residues in food – Test of dicloran, an organonitrogen pesticide
13313	N6263	withdrawn		Method of test for pesticide residues in food – Test of dithianon, an organonitrogen pesticide
13408	N6264	withdrawn		Method of test for pesticide residues in food – Test of cyanofenphos, an organophosphorous pesticide
* 13409	N6265	withdrawn		Method of test for pesticide residues in food – Test of edifenphos, an organophosphorous pesticide
13410	N6266	withdrawn		Method of test for pesticide residues in food – Test of fenamiphos, an organophosphorous pesticide
13411	N6267	withdrawn		Method of test for pesticide residues in food – Test of fenitrothion, an organophosphorous pesticide
13412	N6268	withdrawn		Method of test for pesticide residues in food – Test of omethoate, an organophosphorous pesticide
13413	N6269	withdrawn		Method of test for pesticide residues in food – Test of alpha-cypermethrin, a pyrethroid pesticide
13414	N6270	withdrawn		Method of test for pesticide residues in food – Test of 2,4-D: (2,4-dichlorophenoxy) acetic acid
13415	N6271	withdrawn		Method of test for pesticide residues in food – Test of propoxur, a carbamate pesticide
13434	N6272	withdrawn		Method of test for microbiology in bottled water – Test of <i>Pseudomonas aeruginosa</i>
* 13435	N6273	withdrawn		Method of test for microbiology in bottled water – Test of fecal streptococci
13457	N6274	withdrawn		Method of test for chilled and frozen offals of domestic animals
13459	N6275	withdrawn		Method of test for chilled and frozen offals of poultry
13570-1	N6276-1	withdrawn		Method of test for pesticide residues in food – Multi-residue analysis (I)
13570-2	N6276-2	withdrawn		Method of test for pesticide residues in food – Multi-residue analysis (II)
13570-3	N6276-3	withdrawn		Method of test for pesticide residues in food – Multi-residue analysis (III)
13571	N6277	withdrawn		Method of test for pesticide residues in food – Test of pyridate, a pyridazine pesticide
13572	N6278	withdrawn		Method of test for pesticide residues in food – Test of fenobucarb, a carbamate pesticide
13573	N6279	withdrawn		Method of test for pesticide residues in food – Test of tricyclazole, a triazolobenzothiazole pesticide
13574	N6280	withdrawn		Method of test for pesticide residues in food – Test of dodine, a

## Food

CNS no.	Category no.	Date of		Title
		Current edition		
				guanidine pesticide
13630	N6281	withdrawn		Method of test for veterinary drug residues in food – Test of Monensin
13631	N6282	withdrawn		Method of test for milk and milk products – Test for aflatoxins M1 and M2 in fluid milk
13669	N6283	withdrawn		Method of test for pesticide residues in food – Test of methosfolan, an organophosphorous insecticide
13670	N6284	withdrawn		Method of test for pesticide residues in food – Test of phosalone, an organophosphorous insecticide
13671	N6285	withdrawn		Method of test for pesticide residues in food – Test of buprofezin, a thiadiazine insecticide
13672	N6286	withdrawn		Method of test for pesticide residues in food – HPLC test of bendiocarb, a carbamate insecticide
13673	N6287	withdrawn		Method of test for pesticide residues in food – GC test of bendiocarb, a carbamate insecticide
13674	N6288	withdrawn		Method of test for pesticide residues in food – Test of thiodicarb, a carbamate insecticide
13675	N6289	withdrawn		Method of test for pesticide residues in food – Test of thiodicarb oxime, a carbamate insecticide
13757	N6290	withdrawn		Method of test for pesticide residues in food – Test of pyridafenthion, an organophosphorus insecticide
13758	N6291	withdrawn		Method of test for pesticide residues in food – Test of cyhexatin, an organotin acaricide
13759	N6292	withdrawn		Method of test for pesticide residues in food – Test of metalaxyl, an acylalanine fungicide
13760	N6293	withdrawn		Method of test for pesticide residues in food – Test of dicofol, an organochlorine acaricide
13761	N6294	withdrawn		Method of test for pesticide residues in food – Test of benfuracarb, a carbamate insecticide
*	13818	withdrawn		Method of test for pesticide residues in food – Test of benfuracarb metabolite, an insecticide
	13819	withdrawn		Method of test for pesticide residues in food – Test of thiobencarb, a herbicide
	13820	withdrawn		Method of test for pesticide residues in food – Test of isoprocarb, an insecticide
	13821	withdrawn		Method of test for pesticide residues in food – Test of methioicarb, an insecticide
	13822	withdrawn		Method of test for pesticide residues in food – Test of fensulfothion, an insecticide
	13823	withdrawn		Method of test for pesticide residues in food – Test of isoprothiolane, a fungicide
	13824	withdrawn		Method of test for pesticide residues in food – Test of haloxyfop-methyl, an herbicide
	13825	withdrawn		Method of test for pesticide residues in food – Test of fluroxypyr, a herbicide
	13998	withdrawn		Method of test for food grade salt – Determination of lead, copper and cadmium
	14117	withdrawn		Method of test for milk and milk products - Detection of cow's milk in goat's milk
	14187	withdrawn		Method of test for pesticide residues in food – Test of ametryn, a herbicide
	14188	withdrawn		Method of test for pesticide residues in food – Test of amitraz, an acaricide
	14189	withdrawn		Method of test for pesticide residues in food – Test of ethirimol, a fungicide
	14190	withdrawn		Method of test for pesticide residues in food – Test of propiconazole, a fungicide
	14329	withdrawn		Method of test for pesticide residues in food – Test of acifluorfen, a herbicide

CNS no.	Category no.	Date of		Title
		Current edition		
14330	N6310	withdrawn		Method of test for pesticide residues in food – Test of bentazone, a herbicide
14346	N6311	withdrawn		Method of test for pesticide residues in food – Test of linuron, a herbicide
14347	N6312	withdrawn		Method of test for pesticide residues in food – Test of diuron, a herbicide
14348	N6313	withdrawn		Method of test for pesticide residues in food – Test of dicotophos, an insecticide
14349	N6314	withdrawn		Method of test for pesticide residues in food – Test of dienochlor, an acaricide
14350	N6315	withdrawn		Method of test for veterinary drug residues in food – Test of Amprolium
14351	N6316	withdrawn		Method of test for veterinary drug residues in foods – Test of Lasalocid
14352	N6317	withdrawn		Method of test for veterinary drug residues in foods – Test of Halofuginone
14404	N6318	withdrawn		Method of test for pesticide residues in food – Test of bromopropylate, an acaricide
14405	N6319	withdrawn		Method of test for pesticide residues in food – Test of profenofos, an insecticide
14406	N6320	withdrawn		Method of test for pesticide residues in food – Test of pyrazophos, a fungicide
14407	N6321	withdrawn		Method of test for pesticide residues in food – Test of bromophos, an insecticide
14419	N6322	withdrawn		Method of test for pesticide residues in food – test of bitertanol, a fungicide
14420	N6323	withdrawn		Method of test for pesticide residues in food – Test of butocarboxim, an insecticide
14423	N6324	withdrawn		Method of test for veterinary drug residues in food – Test of Penicillin
14424	N6325	withdrawn		Method of test for veterinary drug residues in food – Test of Streptomycin
14425	N6326	withdrawn		Method of test for veterinary drug residues in food – Test of Tylosin
14426	N6327	withdrawn		Method of test for veterinary drug residues in food – Test of Erythromycin
14427	N6328	withdrawn		Method of test for veterinary drug residues in food – Test of Neomycin
14428	N6329	withdrawn		Method of test for veterinary drug residues in food – Test of Lincomycin
14454	N6330	withdrawn		Method of test for veterinary drug residues in food – Test of Clopidol
*	14455	withdrawn		Method of test for veterinary drug residues in food – Test of Furazolidone and Nitrofurazone
14456	N6332	withdrawn		Method of test for veterinary drug residues in food – Test of decoquinat
14457	N6333	withdrawn		Method of test for veterinary drug residues in food – Test of Carbadox and its metabolites
14458	N6334	withdrawn		Method of test for veterinary drug residues in food – Test of Robenidine
14459	N6335	withdrawn		Method of test for veterinary drug residues in food – Test of sulfadru
14460	N6336	withdrawn		Method of test for veterinary drug residues in food-Test of chloramphenicol
*	14460-1	withdrawn		Method of test for veterinary drug residues in food – Test of Chloramphenicols
*	14460-2	withdrawn		Method of test for verterinary drug residues in food - Test of chloramphenicol (II)
14461	N6337	withdrawn		Method of test for veterinary drug residues in food – Test of Progesterone, 17 $\alpha$ -Hydroxyprogesterone, 4-androstene-3, 17-dione and Testosterone
14462	N6338	withdrawn		Method of test for veterinary drug residues in food – Test of Zeranol,

## Food

CNS no.	Category no.	Date of		Title
		Current edition		
				17 $\alpha$ -estradiol and 17 $\beta$ -estradiol
14479	N6339	withdrawn		Method of test for veterinary drug residue in food – Test of Avermectin
14480	N6340	withdrawn		Method of test for veterinary drug residue in foods – Test of Nitrovin
14481	N6341	withdrawn		Method of test for veterinary drug residue in food – Test of Ethopabate
14482	N6342	withdrawn		Method of test for veterinary drug residue in food – Test of Nicarbazin
14483	N6343	withdrawn		Method of test for veterinary drug residues in food – Test of Maduramicin
14507	N6344	withdrawn		Method of test for food microbiology – Test of Escherichia coli O157 : H7
14508	N6345	withdrawn		Method of test for food microbiology – Test of Listeria monocytogenes in dairy foods
14518	N6346	withdrawn		Method of test for pesticide residues in food – Test of flucythrinate, an insecticide
14519	N6347	withdrawn		Method of test for pesticide residues in food – Test of clofentezine, an acaricide
14520	N6348	withdrawn		Method of test for pesticide residues in food – Test of myclobutanil, a fungicide
14521	N6349	withdrawn		Method of test for pesticide residues in food – Test of chlorfenvinphos, an insecticide
14522	N6350	withdrawn		Method of test for pesticide residues in food – Test of pendimethalin, a herbicide
14523	N6351	withdrawn		Method of test for pesticide residues in food – Test of benalaxyl , a fungicide
14524	N6352	withdrawn		Method of test for pesticide residues in food – Test of glufosinate-ammonium and its metabolite, a herbicide
14525	N6353	withdrawn		Method of test for pesticide residues in food – Test of triflumizole and its metabolite, a fungicide
14526	N6354	withdrawn		Method of test for pesticide residues in food – Test of dichlofluanid, a fungicide
14527	N6355	withdrawn		Method of test for pesticide residues in food – Test of thiabendazole, a fungicide
14528	N6356	withdrawn		Method of test for pesticide residues in food – Test of cyfluthrin, an insecticide
14536	N6357	withdrawn		Method of test for veterinary drug residues in food – Test of Diethylstilbestrol and Hexestrol
14537	N6358	withdrawn		Method of test for pesticide residues in food – Test of bromacil, a herbicide
14538	N6359	withdrawn		Method of test for pesticide residues in food – Test of butylate, a herbicide
14539	N6360	withdrawn		Method of test for pesticide residues in food – Test of hexaconazole, a fungicide
14540	N6361	withdrawn		Method of test for pesticide residues in food – Test of guazatine, a fungicide
14541	N6362	withdrawn		Method of test for pesticide residues in food – Test of pyraclofos, an insecticide
14542	N6363	withdrawn		Method of test for pesticide residues in food – Test of benzoximate, an acaricide
14543	N6364	withdrawn		Method of test for pesticide residues in food – Test of hexythiazox, an acaricide
14544	N6365	withdrawn		Method of test for pesticide residues in food – Test of allethrin, an insecticide
*	14586	withdrawn		Method of test for veterinary drug residues in food – Test of antibiotic substances class
	14683		2002-09	Method of test for veterinary drug residues in food – Hormone multiresidue analysis
	14684	withdrawn		Method of test for veterinary drug residues in food – Test of

CNS no.	Category no.	Date of		Title
		Current edition		
				multiresidue analysis of Quinolones
14758	N6369	2003-07		Method of test for residual of dioxins and dioxin-like PCBs in foods
14759	N6370	2009-07		Method of test for edible oils and fats - Determination of methyl esters of fatty acids
14760	N6371	withdrawn		Method of test for food microorganisms – Test of lactic acid bacteria
14769	N6372	withdrawn		Method of test for edible oils and fats – Determination of copper
14835	N6373	withdrawn		Method of test for pesticide residues in food – Multiresidue analysis of organochloride pesticides in livestock, poultry and aquatic products
14836	N6374	2004-07		Method of test for Lycopene in food
14849	N6375	2004-07		Method of test for wines and spirits – Determination of alcohol content by volume
14850	N6376	2004-07		Method of test for wines and spirits – Determination of total acidity and total volatile acidity
14851	N6377	2004-07		Method of test for wines and spirits – Determination of total esters
14852	N6378	2011-11		Method of test for wines and spirits - Determination of solids content
14853	N6379	2004-07		Method of test for wines and spirits – Determination of fusel oil
14856	N6380	2004-08		Method of test for fruit and vegetable juices and drinks – Determination of sodium, potassium, calcium and magnesium by flame spectrophotometry
14876	N6381	2004-11		Method of test for edible oils and fats - Determination of oil stability index
15002	N6382	2006-04		Method of test for fruit and vegetable juice products - Determination of sugars and sorbitol by HPLC
15021	N6383	2006-08		Method of test for foodstuffs - Determination of soybean isoflavones
15022	N6384	2012-09		Method of test for catechins content in foods
* 15137	N6385	2007-10		Method of test for sulfonamide residue in swine serum - Test of sulfamethazine and sulfadimethoxine
15150	N6386	2008-03		Method of test for meat and meat products - General rules
15151	N6387	2008-03		Method of test for egg and egg products - General rules
15241	N6388	withdrawn		Method of test for total aflatoxins in foods – Solar silica gel column fluorometric analysis
15330	N6389	withdrawn		Method of test for food microbiology – Chip-based test of food-borne pathogens
15412-1	N6390-1	withdrawn		Method of test for veterinary drug residues in foods –Test of Tetracyclines
15412-2	N6390-2	withdrawn		Method of test for veterinary drug residues in foods - Determination of tetracyclines (II)
15413	N6391	withdrawn		Method of test for veterinary drug residues in foods – Determination of Spiramycin and its metabolites
15414	N6392	withdrawn		Method of test for veterinary drug residues in foods – Determination of Gentamicin
15406	N6393	2010-11		Instant coffee in bulk units with liners – Sampling
15407	N6394	2010-11		Instant coffee – Determination of loss in mass at 70 °C under reduced pressure
15408	N6395	withdrawn		Instant coffee – Determination of free-flow and compacted bulk densities
15409	N6396	2010-11		Instant coffee – Determination of free and total carbohydrate contents – Method using high-performance anion-exchange chromatography
15501	N6397	2011-11		Method of test for wines and spirits-Simultaneous determination of $\beta$ -Asarone, Coumarin and Thujones ( $\alpha$ and $\beta$ )
15502	N6398	withdrawn		Method of test for Aloin content in beverage
15545	N6399	2012-05		Instant coffee - Determination of free - flow and compacted bulk densities
15561	N6400	2012-09		Method of test for wines - Determination of Oxadixyl
15707	N6401	withdrawn		Method of test for veterinary drug residues in foods – Test of Streptomycin and Dihydrostreptomycin
15708	N6402	withdrawn		Method of test for veterinary drug residues in foods – Multiresidue

## Food

CNS no.	Category no.	Date of		Title
		Current edition		
15736	N6403	2014-08		analysis of antibiotics and its metabolite Method of test for spices and condiments - Determination of volatile oil content
15738	N6404	2014-08		Method of test for spices and condiments - Determination of filth
15793	N6405	2021-12		The enzymatic method for fresh chilled and thawed frozen chicken meat
<b>Deep sea water</b>				
15091	N7001	2008-03		Method of test for deep sea water – General rule
15091-1	N7001-1	2007-06		Method of test for deep sea water - Measurement of in-situ temperature
15091-2	N7001-2	2007-06		Method of test for deep sea water - Measurement of in-situ suspended particle transmission
15091-3	N7001-3	2007-06		Method of test for deep sea water - Measurement of in-situ salinity
15091-4	N7001-4	2007-06		Method of test for deep sea water - Determination of salinity
15091-5	N7001-5	2007-06		Method of test for deep sea water - Measurement of pH
15091-6	N7001-6	2007-06		Method of test for deep sea water - Determination of dissolved oxygen
15091-7	N7001-7	2007-06		Method of test for deep sea water - Determination of total suspended matters
15091-8	N7001-8	2007-06		Method of test for deep sea water - Determination of chlorinity
15091-9	N7001-9	2007-06		Method of test for deep sea water - Determination of sodium
15091-10	N7001-10	2007-06		Method of test for deep sea water - Determination of magnesium
15091-11	N7001-11	2007-06		Method of test for deep sea water - Determination of calcium
15091-12	N7001-12	2007-06		Method of test for deep sea water - Determination of phosphate
15091-13	N7001-13	2007-06		Method of test for deep sea water - Determination of silicate
15091-14	N7001-14	2007-06		Method of test for deep sea water - Determination of nitrate
15091-15	N7001-15	2007-06		Method of test for deep sea water - Determination of nitrite
15091-16	N7001-16	2007-06		Method of test for deep sea water - Determination of arsenic
15091-17	N7001-17	2007-06		Method of test for deep sea water - Determination of total organic carbon
15091-18	N7001-18	2007-06		Method of test for deep sea water - Determination of bacteria abundance (DAPI)
15091-19	N7001-19	2007-06		Method of test for deep sea water - Determination of coliform
15091-20	N7001-20	2007-06		Method of test for deep sea water - Determination of lead
15091-21	N7001-21	2007-06		Method of test for deep sea water - Determination of zinc
15091-22	N7001-22	2007-06		Method of test for deep sea water - Determination of copper
15091-23	N7001-23	2008-03		Method of test for deep sea water – Determination of potassium
15091-24	N7001-24	2008-03		Method of test for deep sea water – Determination of strontium
15091-25	N7001-25	2008-03		Method of test for deep sea water – Determination of bromine
15091-26	N7001-26	2008-03		Method of test for deep sea water – Determination of boron
15091-27	N7001-27	2008-03		Method of test for deep sea water – Determination of fluorine
15091-28	N7001-28	2008-03		Method of test for deep sea water – Determination of sulfate
15091-29	N7001-29	2008-03		Method of test for deep sea water – Determination of ammonia
15091-30	N7001-30	2008-03		Method of test for deep sea water – Determination of chlorophyll a
* 15443	N7002	2020-10		Sea water mineral concentrate



# O Wood Industry

Wood Industry

		Date of		
CNS no.	Category no.	Current edition	Title	
<b>General</b>				
*	442	O1001	2012-10	Classification of timber
*	443	O1002	1993-07	Common Defects in Timber
	444	O1003	2012-08	Grading rules for sawn lumber
*	445	O1004	withdrawn	Commercial lengths of logs
	446	O1005	withdrawn	Dimensions of sawn timber of coniferous
	447	O1006	withdrawn	Dimensions of sawn timber of broad-leaved
	448	O1007	withdrawn	Dimensions of Timber Boards (Coniferous and Latifoliate)
	449	O1008	withdrawn	Dimensions of Wood Strips (Coniferous Trees)
	889	O1009	withdrawn	Dimensions of composite boards
*	1349	O1010	2014-10	Plywood
	1453	O1011	withdrawn	Rice paper (Wood fiber)
	2215	O1012	2017-11	Particleboards
	2302	O1013	withdrawn	Cork binder disc
	2715	O1014	withdrawn	Melamine and Phenolic Resin Decorative Plywood for General Use
	2716	O1015	withdrawn	Dressed particleboards (→CNS 2 2 1 5)
	2870	O1016	withdrawn	Polyester decoration boards (→CNS 8 0 5 8)
*	2871	O1017	2014-10	Block flooring and mosaic parquet
*	3000	O1018	2015-12	Wood treated with pressurized infiltration of preservatives
*	3219	O1019	2011-07	Preservative treated bamboo by pressure processes
*	4748	O1020	withdrawn	Grading rules of logs
*	4749	O1021	withdrawn	Measurement of timber (For Taiwan area)
	8057	O1022	2018-01	Plywood for concrete - form
*	8058	O1023	2014-11	Special plywood
	8453	O1024	2013-10	Plywood vocabulary
	9907	O1025	2017-10	Hard fiberboards
	9909	O1026	2017-10	Medium density fiberboards
*	9911	O1027	2017-10	Insulation fiberboards
	10199	O1028	withdrawn	Scaling and grading rules of Taiwan cypress lumber for export(for Taiwan area) (→CNS 4 4 4)
	10468	O1029	2006-10	Insulationboards for sound absorption
	10469	O1030	withdrawn	Dressed hard fiberboard for exterior use (→CNS 9907)
*	11029	O1031	2014-10	Glulam for decorative use
	11030	O1032	2014-10	Overlaid glulam for decorative use
*	11031	O1033	2014-12	Structural glued-laminated timber
	11032	O1034	2014-10	Overlaid glulam posts for structural use
*	11341	O1035	2014-10	Strip flooring
*	11342	O1036	2014-10	Composite wood flooring
	11666	O1037	1988-12	Technical Drawings for Woodworking - General Principles
	11666-1	O1037-1	1988-12	Technical Drawings for Woodworking - Dimensioning
	11666-2	O1037-2	1988-12	Technical Drawings for Woodworking - Symbols for Woodworking Drawing
	11666-3	O1037-3	1988-12	Technical Drawings for Woodworking - Surface Texture on Wood Drawings
	11666-4	O1037-4	1988-12	Technical Drawings for Woodworking - Tolerances and Fits
	11666-5	O1037-5	1988-12	Technical Drawings for Woodworking - Woodworking for Windows and Doors
	11666-6	O1037-6	1988-12	Technical Drawings for Woodworking - Examples of Woodworking Drawings
	11667	O1038	2016-07	Nomenclature of commercial woods
	11668	O1039	2021-12	Flame-retardant plywood
	11669	O1040	2021-12	Fire-retardant plywood
	11670	O1041	2014-10	Scaffolding plywood
*	11671	O1042	2014-11	Structural plywood
*	11818	O1043	2014-12	Laminated veneer lumber
*	13562	O1044	withdrawn	Plywood for fire-proof door
	13826	O1045	withdrawn	Grading rules of domestic softwood lumber from man-made forest (

## Wood Industry

CNS no.	Category no.	Date of		Title
		Current edition		
				→CNS 4 4 4 )
14272	O1046	withdrawn		Dressed hard fiberboards for interior use (→CNS 9907)
14429	O1047	withdrawn		Softwood plywood (→CNS 1349)
* 14495	O1048	2022-05		Wood preservatives
14630	O1049	2017-05		Structural coniferous sawn lumber
* 14631	O1050	2019-03		Structural sawn lumber used in platform construction
* 14632	O1051	2019-03		Finger joined along longitudinal direction of structural lumber used in platform construction
* 14633	O1052	2019-03		Softwood sawn lumber and finger joined lumber used in platform construction by machine stress rating
* 14646	O1053	2015-08		Structural laminated veneer lumber
14647	O1054	2020-11		Structural wood-based panel
14749	O1055	2003-06		Fittings for wooden construction
14773	O1056	2011-07		Preservative treated wood sill by pressure process
15563	O1057	2022-08		Grading rules of softwood sawn lumber for decorative use in building
15581	O1058	2012-10		Grading rules for hardwood sawn lumber
15582	O1059	2022-08		Grading rules of softwood sawn lumber for unexposed use in building
15583	O1060	2018-01		Plywood for pallet
15730	O1061	2019-08		Wood-plastic recycled composite
15882	O1062	2016-04		Fancy veneer overlaid plywood for structural use
16114	O1063	2019-11		Cross laminated timber
16159	O1064	2021-12		Thermally modified timber

## Testing and Inspection

450	O2001	2013-10		Wood - Sampling methods and general requirements for physical and mechanical tests
451	O2002	2013-10		Wood - Determination of density for physical and mechanical tests
452	O2003	2013-10		Wood - Determination of moisture content for physical and mechanical tests
453	O2004	2013-10		Wood - Determination of compression properties
454	O2005	2013-11		Wood - Determination of static bending properties
455	O2006	2013-10		Wood - Determination of ultimate shearing stress parallel to grain
456	O2007	2013-10		Wood - Determination of tensile properties
457	O2008	2013-10		Wood - Determination of impact bending strength
458	O2009	2013-12		Wood - Determination of abrasion
459	O2010	2012-12		Wood - Determination of longitudinal, radial and tangential shrinkage
460	O2011	2013-10		Wood - Determination of static hardness
1350	O2012	withdrawn		Method of test for plywood (General) (→CNS 1 3 4 9 )
2216	O2013	withdrawn		Method of test for particleboards (→CNS 2 2 1 5 )
2303	O2014	withdrawn		Method of test for cork binder disc
2717	O2015	withdrawn		Method of test for dressed particleboards (→CNS 2 2 1 5 )
3084	O2016	2004-11		Method of test for ash in wood
3085	O2017	2004-11		Method of test for holocellulose in wood
4713	O2018	2005-03		Method of test for ethanol-toluene extractives in wood
4714	O2019	withdrawn		Method of Test for Alcohol-Benzene Solubility of Wood (→CNS 4 7 1 3 )
4715	O2020	2005-03		Method of test for 1% sodium hydroxide solubles in wood
4716	O2021	2005-03		Methods of test for water solubles in wood
4717	O2022	withdrawn		Method of Test for Hot Water Solubility of Wood (→CNS 4 7 1 6 )
6713	O2023	2013-10		Wood - Determination of average annual ring width
6714	O2024	2013-11		Wood – Determination of water absorption
6715	O2025	2013-11		Wood - Determination of hygroscopicity
6716	O2026	2013-10		Wood - Determination of cleavage
* 6717	O2027	2011-07		Qualitative standards and testing methods of wood preservatives
* 6718	O2028	1995-12		Method of Test for Flammability of Wood
6719	O2029	2015-07		Wood – Determination of nail withdraw resistance
7173	O2030	2013-11		Wood - Determination of creep
8059	O2031	withdrawn		Method of test for soak delamination of plywood (→CNS 1 3 4

CNS no.	Category no.	Date of		Title
		Current edition		
				9)
8060	O2032	withdrawn		Method of test for bonding strength of plywood (→CNS 1 3 4 9)
8321	O2033	withdrawn		Method of test for water proofing of special plywood (→CNS 8 0 5 8)
8322	O2034	withdrawn		Method of test for hot and cold cycle of special plywood (→CNS 8 0 5 8)
8323	O2035	withdrawn		Method of test for wet heating of special plywood (→CNS 8 0 5 8)
8324	O2036	withdrawn		Method of test for moisture content of plywood (→CNS 1 3 4 9)
8325	O2037	withdrawn		Method of test for density of plywood (→CNS 1 3 4 9)
8326	O2038	withdrawn		Method of test for tension of special plywood (→CNS 8 0 5 8)
8537	O2039	withdrawn		Method of test for compression strength of plywood (→CNS 8 0 5 7)
8538	O2040	withdrawn		Method of test for bending strength of plywood (→CNS 8 0 5 7)
8539	O2041	withdrawn		Method of test for bending stiffness of plywood (→CNS 8 0 5 7、1 1 6 7 1)
8540	O2042	withdrawn		Method of test for abrasion of special plywood (→CNS 8 0 5 8)
8627	O2043	withdrawn		Method of test for scratch hardness of special plywood (→CNS 8 0 5 8)
8628	O2044	withdrawn		Method of test for impact of special plywood (→CNS 8 0 5 8)
8629	O2045	withdrawn		Method of test for hygroscopicity of fire-retardant plywood
8630	O2046	withdrawn		Method of test for color-changing of special plywood (→CNS 8 0 5 8)
8631	O2047	withdrawn		Method of test for stain resistance of special plywood (→CNS 8 0 5 8)
8735	O2048	withdrawn		Method of test for acid,alkali and thinner resistance of special plywood (→CNS 8 0 5 8)
8736	O2049	withdrawn		Method of test for flame-ability of flame-retardant plywood
8737	O2050	withdrawn		Method of test for Incombustibility of fire-retardant plywood
8738	O2051	withdrawn		Method of test for Hazardous fumes of fire-retardant plywood
9908	O2052	withdrawn		Method of test for hard fiberboards (→CNS 9 9 0 7)
9910	O2053	withdrawn		Method of test for medium density fiberboards (→CNS 9 9 0 9)
9912	O2054	withdrawn		Method of test for insulation fiberboards (→CNS 9 9 1 1)
10470	O2055	withdrawn		Method of test for dressed hard fibreboard for exterior use (→CNS 1 0 4 6 9)
11033	O2056	withdrawn		Method of test for glued-laminated timber (→CNS 1 1 0 3 1、1 1 0 3 2)
11372	O2057	withdrawn		Method of test for flooring
11672	O2058	withdrawn		Method of test for continuous boiling of plywood (→CNS 1 1 9 7 1)
11819	O2059	withdrawn		Method of test for aminated veneer lumber (→CNS 1 1 8 1 8)
11971	O2060	withdrawn		Method of test for emission of formaldehyde from plywood (desiccator method) (→CNS 1 3 4 9)
*	13563	withdrawn		Method of test on plywood for fire-proof door
	14729	2003-05		Method of test for detection of pentachlorophenol and its derivatives in wood
	14730	2022-09		Method of test for preservative retention of treated wood
	14907	2005-03		Method of test for acid-insoluble lignin in wood
	14908	2005-03		Method of test for dichloromethane extractives in wood
	14925	2012-12		Wood - Determination of volumetric shrinkage
	14926	2012-12		Wood - Determination of longitudinal, radial and tangential swelling

## Wood Industry

CNS no.	Category no.	Date of	
		Current edition	Title
14927	O2068	2012-12	Wood - Determination of volumetric swelling
15697	O2069	2013-11	Wood - Determination of decay resistance
15756	O2070	2014-10	Wood - Test methods for determining termite resistance
16065	O2071	2018-09	Method of test for fungus resistance of wood and bamboo

# P Pulp and Paper Industry

Pulp and Paper  
Industry

CNS no.	Category no.	Date of Current edition	Title
<b>General</b>			
* 5	P1001	1992-06	Trimmed Sizes of Writing and Printing Paper
90	P1002	withdrawn	Format and Dimensions of Paper Used for Chinese National Standards
* 3402	P1003	1992-06	Letter Pads
* 3403	P1004	1992-06	Envelopes
* 12986	P1005	1992-06	Sizes of Untrimmed Paper
14685	P1006	2002-09	Pulps, paper and paperboard – Units for expressing properties
<b>Pulp and Paper</b>			
1090	P2001	withdrawn	Newsprint (→CNS 3 4 5 7)
1091	P2002	2021-11	Toilet tissue paper
1315	P2003	withdrawn	A-grade printing paper (Simili paper)
1316	P2004	withdrawn	Kraft Paper (for General Use of Paper Bag Manufacture) (→CNS 1 4 5 8)
1317	P2005	withdrawn	Bleached bagasse pulp
1392	P2006	withdrawn	Kraft Paper (for Packing) (→CNS 1 4 5 8)
1393	P2007	withdrawn	Kraft Paper (for Fertilizer Bag) (→CNS 1 4 5 8)
* 1394	P2008	1991-06	Cemet Sack Paper
1454	P2009	2009-05	Corrugated board for outer packaging
1455	P2010	2009-05	Liner board
1456	P2011	2009-03	Uncoated duplex board
1457	P2012	withdrawn	Straw Board
1458	P2013	2009-03	Kraft paper
1459	P2014	withdrawn	Simile Kraft Paper
1460	P2015	withdrawn	Wrapping Paper
1461	P2016	withdrawn	B Grade Printing Paper
1462	P2017	2005-07	Typewriting paper
1463	P2018	withdrawn	Copying Paper (→CNS 1 4 6 2)
1464	P2019	withdrawn	Super Art Paper
1465	P2020	withdrawn	M.G. sulfite paper
2053	P2021	withdrawn	Corrugated Paperboard (for Partitions)
2083	P2022	withdrawn	Fiber Board
2085	P2023	withdrawn	Rayon wood pulp
2304	P2024	withdrawn	Cigarette paper bobbins
* 2305	P2025	1984-01	Asphalt Laminating Paper
2380	P2026	2009-07	Mian paper
2381	P2027	withdrawn	A Grade Writing Paper (Wood-free Writing Paper)
2381-1	P2027-1	withdrawn	B Grade Writing Paper
2382	P2028	2009-07	Handmade Shiuan paper
2383	P2029	withdrawn	Cover Paper
* 2384	P2030	1985-04	Maubian Paper (Chinese Native Paper)
2385	P2031	withdrawn	One Side Strawn Board
2386	P2032	2014-11	Paper napkin
2390	P2033	withdrawn	Paper Board for Gosket
2391	P2034	2005-07	Translucent drawing paper (Tracing paper)
* 2440	P2035	withdrawn	Diazo sensitized paper
2597	P2036	withdrawn	Asphalt paper, Double coated
* 2646	P2037	1991-06	Aluminum Foil Laminating Paper
2718	P2038	withdrawn	Unbleached sulfite softwood pulp (NUSP)
2719	P2039	2002-04	Bleached softwood sulfite pulp (BSSP)
2774	P2040	2002-04	Unbleached softwood sulfite pulp (USKP)
2775	P2041	withdrawn	Semibleached sulfite softwood pulp (NSSP)
2776	P2042	2002-04	Bleached softwood sulfite pulp (BSKP)
2920	P2043	2009-06	Bristol board

Pulp and Paper  
Industry

		Date of		
CNS no.	Category no.	Current edition	Title	
2954	P2044	withdrawn	All Wood Printing Paper (→CNS 1 3 1 5)	
2955	P2045	2009-05	Corrugating medium paper	
3146	P2046	withdrawn	Figured Art Paper (→CNS 1 4 6 1)	
3241	P2047	withdrawn	Water-Proof Fiber Reinforced Asphalt Paper	
*	3457	P2048	1985-06	Off-set Newsprint in Rolls
	3498	P2049	2009-03	Chip board
	3499	P2050	1998-08	High wet-strength map paper
	3501	P2051	2002-04	Bleached hardwood sulfate pulp (BHKP)
*	3748	P2052	1992-12	A Grade Drawing Paper
*	3748-1	P2052-1	1992-12	B Grade Drawing Paper for Student Use
	3749	P2053	withdrawn	Coarse Corrugating Paper (for Carton Cushining)
	4150	P2054	2014-11	Facial tissue
	4203	P2055	2005-10	Machine glazed paper
	4789	P2056	withdrawn	Terminology of Paper
	4790	P2057	2002-03	Glossary of terms used in pulp and paper industry – General terms of pulp
	4790-1	P2057-1	2002-03	Glossary of terms used in pulp and paper industry – Terms of pulp manufacture
	4790-2	P2057-2	2002-03	Glossary of terms used in pulp and paper industry – Terms of pulp types
	4790-3	P2057-3	2002-03	Glossary of terms used in pulp and paper industry – General terms of paper and paperboard
	4790-4	P2057-4	2002-03	Glossary of terms used in pulp and paper industry – Terms of papermaking
	4790-5	P2057-5	2002-03	Glossary of terms used in pulp and paper industry – Terms of pulp, paper or board properties
	4790-6	P2057-6	2002-03	Glossary of terms used in pulp and paper industry – Terms for types and properties of paper and paperboard – Converted products
*	5038	P2058	2020-09	Laboratory filter paper and method of test
	5039	P2059	2005-07	Onion skin paper
	5040	P2060	withdrawn	Glassine paper
	7750	P2061	withdrawn	Color-opaque paper for map
	8157	P2062	2016-09	Wet wipes
	9324	P2063	2021-04	Feminine sanitary napkins
	10758	P2064	withdrawn	Top-grade printing paper (Wood-free printing paper)
	10759	P2065	2009-03	Sack kraft paper
	10776	P2066	2009-03	Coated duplex board
*	10777	P2067	withdrawn	Base paper for diazo-type sensitized paper
*	11248	P2068	1985-04	Beaubey Paper (Chinese Backing Paper)
	12104	P2069	2005-10	Lens cleaning paper
	12589	P2070	2009-03	Tube board
	12639	P2071	2020-12	Disposable diaper for baby
*	12746	P2072	2018-12	Carbonless paper
	12747	P2073	2005-10	Base paper for continuous business forms
*	12748	P2074	1990-07	Groundwood Pulp for Paper
	12827	P2075	2005-10	Continuous computer forms (Continuous business forms)
*	12880	P2076	1991-06	Cement Sack Paper Laminated with Plastic Woven Sheet
*	12881	P2077	1991-06	Plastic Woven Cement Paper Sacks
	13073	P2078	2021-09	Disposable diaper for adult
	13118	P2079	withdrawn	C Grade Printing Paper
*	13140	P2080	2009-06	Coated paper ( Art paper )
	13141	P2081	2009-06	Light weight coated paper
*	13186	P2082	2014-11	Base paper for making beverage cups
	13187	P2083	2016-05	Base paper for meal-boxes used
	14392	P2084	2014-10	Paper kitchen towel
	14863	P2085	2014-10	Paper hand towel
	15152	P2086	2016-05	Disposable pad for adult
	15276	P2087	2009-06	Printing and writing paper (Uncoated wood-free paper)

	CNS no.	Category no.	Date of	
			Current edition	Title
	15277	P2088	2009-06	Ivory board
*	15447	P2089	2019-04	Thermal paper
<b>Testing and Inspection</b>				
	1351	P3001	2005-04	Paper, board and pulps - Standard atmosphere for conditioning and testing and procedure for monitoring the atmosphere and conditioning of samples
	1352	P3002	2008-12	Method of test for grammage of paper and board
	1353	P3003	2019-11	Method of test for bursting strength of paper
	1354	P3004	2009-01	Method of test for tensile properties of paper and board (Pendulum method)
	1355	P3005	2016-10	Method of test for tearing resistance of paper and paperboard (Elmendorf method)
	1356	P3006	2008-12	Method of test for residue ash content of pulps, paper and board on ignition at 525°C
	1357	P3007	2022-11	Method of test for air permeance of paper and board (Gurley method)
*	1358	P3008	1991-06	Method of Test for Folding Endurance of Paper by Schopper Type Tester
	1391	P3009	withdrawn	Method of Test for Impurity of Pulp (→CNS 10472)
*	1466	P3010	2011-05	Method of test for brightness measurement of directional reflectance at 457 nm of pulp, paper and board
	2054	P3011	2019-11	Method of test for bursting strength of paperboard
	2084	P3012	withdrawn	Method of Test for Fiberboard
	2086	P3013	withdrawn	Method of test for paper pulp of rayon grade
*	2387	P3014	1993-12	Method of Test for Opacity of Paper (89% Reflectance Backing)
*	2388	P3015	1984-02	Method of Test for Combustion Rate of Cigarette Paper
*	2512	P3016	2020-10	Determination of paper sizing – Stöckigt method
	2513	P3017	2008-12	Method of test for smoothness of paper and board (Bekk method)
	2514	P3018	1990-10	Method of Test for Fiber Composition of Pulp and Paper
	2645	P3019	2008-12	Method of test for water absorbency of paper and board (Capillary rise method or Klemm method)
	2720	P3020	withdrawn	Method of Test for Potassium Permanganate Number of Pulp
	2721	P3021	2020-09	Method of test for determination of acid-insoluble lignin in pulp – Klason lignin method
	2952	P3022	2005-04	Sampling of pulps for testing
	2953	P3023	withdrawn	Method for Determination of Moisture Content in Paper Pulp (→CNS 3086、3086-1)
	2956	P3024	2008-12	Method of test for ring crush of corrugating medium paper and board
	3086	P3025	2010-01	Method of test for determination of moisture content in pulp, paper and board (Oven-drying method)
	3086-1	P3025-1	2010-01	Method of test for determination of moisture content in pulp, paper and board (Toluene distillation method)
	3318	P3026	withdrawn	Method of Test for Degree of Curl and Sizing of Paper (Curl Test)
*	3500	P3027	1988-09	Method of Test for Surface Strength of Paper and Paper Board (Wax Pick Test)
*	3685	P3028	2008-12	Method of test for thickness and apparent density of paper and board
	3686	P3029	withdrawn	Method of test for oil absorptiveness of paper and paperboard
	3687	P3030	2010-08	Method of test for water repellency of paper and board
	4718	P3031	2008-12	Method of test for titanium dioxide content in paper and board
	4719	P3032	withdrawn	Method of test for casein in paper (Qualitative)
	4720	P3033	2010-08	Method of test for wax in pulp, paper and board
*	5175	P3034	1994-04	Method of Determination for Machine and Cross Directions of Paper and Paperboard
*	5176	P3035	1994-04	Method of Determination for Wire Side and Felt Side of Paper
	5177	P3036	2008-12	Method of test for wet tensile strength of paper and board
	5469	P3037	2002-09	Method of test for carboxyl content of pulp

Pulp and Paper  
Industry

	CNS no.	Category no.	Date of	
			Current edition	Title
	5470	P3038	2020-09	Method of test for Kappa number of pulp
*	5471	P3039	withdrawn	Method of test for pH value of paper and board
	6946	P3040	withdrawn	Sampling and Preparation Method for the Analysis of Pulpwood (→ CNS 1 2 8 8 4)
	6947	P3041	2002-09	Method of test for moisture content of pulpwood
	6948	P3042	2002-09	Method of test for holocellulose content of pulpwood and other fibrous materials (Chlorite method)
	6949	P3043	2002-09	Method of test for methoxyl groups in wood and pulp
*	6950	P3044	2008-12	Method of test for residue ash content of pulps, paper and board on ignition at 900°C
*	6951	P3045	1981-01	Method of Test for Abrasion Resistance of Paperboard
	7296	P3046	2010-08	Method of test for grease resistance of paper and board – Surface repellency test
*	7297	P3047	withdrawn	Method of test for ply adhesion of paperboard
*	7298	P3048	2020-10	Method of test for water absorptiveness of paper and board – Cobb method
*	7299	P3049	2009-01	Method of test for specular gloss of paper and board at 75 degrees
*	7747	P3050	2011-05	Method of test for water soluble chlorides in pulp, paper and board (Potentiometric method)
*	7748	P3051	1993-01	Method of Test for Viscosity of Pulp (Cannon - Fenske Capillary Viscometer Method)
	7749	P3052	2002-09	Method of test for pentosans in wood and pulp
	9321	P3053	withdrawn	Method of Test for Iron in Pulp (ortho-phenanthroline photometric method)
	9322	P3054	2002-10	Method for determination of manganese content in pulp and paper—Sodium periodate photometric and flame atomic absorption spectrometric methods
*	9323	P3055	2008-12	Method of test for acid-insoluble ash in pulps
	9325	P3056	withdrawn	Method of test for feminine sanitary napkins (→ CNS 9 3 2 4)
*	10378	P3057	1993-03	Method of Test for Folding Endurance of Paper and Paperboard (MIT Tester)
*	10471	P3058	1995-10	Method of Test for Dirt in Pulp
*	10471-1	P3058-1	1995-10	Method of Test for Dirt in Paper and Paperboard
*	10472	P3059	1995-10	Method of Test for Foreign Particulate Matter in Pulp by Transmitted Light
*	10579	P3060	1994-02	Method of Test for Surface Strength of Paper and Paperboard (IGT Tester)
*	10726	P3061	1983-12	Method of Test for Printing Ink Permeation of Paper (Castor Oil Test)
*	10727	P3062	withdrawn	Method of test for ink absorbency of blotting paper
	10760	P3063	1997-12	Method of test for flammability of treated paper and paperboard
*	10761	P3064	1984-01	Method of Test for Surface Wax on Waxed Paper or Paperboard
*	10778	P3065	1984-02	Combustion Test for Cigarette Paper
*	10863	P3066	1994-02	Method of Test for Consistency of Pulp Suspensions
*	10864	P3067	1984-04	Method of Test for Hypo Number of Pulp
	10865	P3068	2002-10	Method of test for alpha-, beta- and gamma- cellulose in pulp
*	11211	P3069	1994-04	Method of Test for Freeness of Pulp (Canadian Standard Freeness Method)
*	11212	P3070	1992-07	Method of Preparation of Handsheets for Physical Testing
*	11290	P3071	1985-06	Method of Test for Starch in Paper
*	11291	P3072	1985-06	Method of Test for Physical Properties of Handsheet
	11373	P3073	withdrawn	Method of Test for Drainage Time of Pulp
	11374	P3074	withdrawn	Method of Test for Copper Number of Pulp, Paper and Paperboard
*	11375	P3075	1985-09	Method of Test for Forming Dyed Handsheet
*	11395	P3076	1996-04	Method of Test for Stiffness of Paper and Paperboard (Taber Stiffness Tester)
	11396	P3077	withdrawn	Method of Test for Stretch of Paper and Paperboard (→ CNS 1 3 5 4)
*	11397	P3078	1985-10	Method of Test for Surface pH of Paper



Date of				
CNS no.	Category no.	Current edition	Title	
*	11482	P3079	1986-01	Method of Test for pH of Paper Filler and Pigment Slurries
*	11483	P3080	1986-01	Method of Test for Softness of Sanitary Tissue - Handle - O - Meter Method
	11622	P3081	1994-03	Method of Test for Fiber Length of Pulp by Projection
*	11820	P3082	2007-05	Method of test for migratable fluorescent substances in paper products
	11868	P3083	withdrawn	Method of Test for Static Friction Coefficient of Shipping Sack Papers (Inclined Plane Method) (→CNS 13119)
*	11972	P3084	withdrawn	Method of test for filter paper for chemical analysis (replaced by CNS 5038)
	12103	P3085	2019-08	Method of test for formaldehyde content of paper products by acetylacetone
	12105	P3086	withdrawn	Method of test for silicone polymer content in paper
*	12106	P3087	1987-09	Method of Test for Water Absorbency of Bibulous Paper -- Absorption Rate Method
	12107	P3088	2008-12	Method of test for flat crush of corrugating medium paper (CMT method)
*	12108	P3089	1987-09	Method of Test for Acid-Soluble Lignin in Wood and Pulp
*	12423	P3090	withdrawn	Method of test for stiffness of paper (Gurley type stiffness tester)
*	12424	P3091	1988-09	Method of Test for Specific External Surface of Pulp
*	12425	P3092	2011-05	Method of test for transparency of paper
	12426	P3093	2005-07	Pulps - Preparation of laboratory sheets for measurement of reflectance
	12427	P3094	withdrawn	Method of Test for Surface Strength of Coated Paperboard (→CNS 10579)
	12428	P3095	2002-12	Method of test for fiber length of pulp by classification
*	12495	P3096	1992-07	Laboratory Beating of Pulp (Beater Method)
*	12496	P3097	1992-07	Laboratory Beating of Pulp (PFI Mill Method)
*	12590	P3098	1989-08	Method of Test for Organic Nitrogen in Paper and Paperboard
*	12591	P3099	1989-08	Method of Test for Visual Grading and Color Matching of Paper
*	12592	P3100	1989-08	Method of Test for Total Wax Content of Corrugated Paperboard
	12607	P3101	2009-01	Method of test for tensile properties of paper and board (Constant rate of elongation method)
	12640	P3102	withdrawn	Method of test for disposable diaper for baby (→CNS 12639)
*	12731	P3103	1990-06	Method of Test for the Fluorescent Component of Brightness of Pulp, Paper and Paperboard Quantitatively
	12732	P3104	2010-01	Paper and board - Sampling for testing
*	12733	P3105	1990-06	Method of Test for Book Bulk and Bulking Number of Printing Paper
*	12734	P3106	1990-06	Method of Test for Reducible Sulfur in Paper and Paperboard
*	12735	P3107	1990-06	Method of Test for L, a, b, 45°, 0° Colorimetry of White and Near-white Paper and Paper Board
*	12736	P3108	1990-06	Method of Test for Paper and Paperboard by CIE Color Systems
*	12745	P3109	1990-07	Method of Test for the Determination of Cadmium and Zinc in Paper and Pigments
*	12749	P3110	1990-07	Method of Test for Solubility of Aqueous Dyes for Paper
*	12750	P3111	2011-05	Method of test for the flexural properties of paper and board - Clark-type stiffness tester
*	12751	P3112	1990-07	Method of Test for Water Absorption of Corrugating Medium
*	12882	P3113	1991-06	Method of Test for Hook Drawing Resistance of Cement Sack Paper Laminated with Plastic Woven Sheet
	12883	P3114	2009-01	Method of test for bulk of tissue paper
	12884	P3115	2005-04	Method of sampling and preparing wood for general analysis and preparation of wood for chemical analysis
	12885	P3116	2005-07	Pulp, paper and paperboard - Measurement of diffuse blue reflectance factor (ISO brightness)
*	12886	P3117	1993-10	Method of Test for Accelerated Aging of Paper and Paperboard - Dry Heat Treatment at 105 °C

Pulp and Paper  
Industry

	CNS no.	Category no.	Date of	
			Current edition	Title
*	12886-1	P3117-1	1993-10	Method of Test for Accelerated Aging of Paper and Paperboard - Dry Heat Treatment at 120°C or 150°C
*	12887	P3118	1993-10	Method of Test for Accelerated Aging of Paper and Paperboard - Moist Heat Treatment at 90°C and 25% R.H.
*	12887-1	P3118-1	1993-10	Method of Test for Accelerated Aging of Paper and Paperboard - Moist Heat Treatment at 80°C and 65% R.H.
*	12888	P3119	1991-06	Method of Species Identification of Nonwood Plant Fibers
	13074	P3120	withdrawn	Method of test for disposable diaper for adult ( → C N S 1 3 0 7 3 )
	13119	P3121	2000-05	Method of test for coefficient of static friction of paper and paperboard (Inclined plane method and horizontal plane method)
	13120	P3122	2008-12	Method of test for smoothness of paper and board (Bendtsen method)
*	13121	P3123	1992-12	Method of Test for Beating Degree of Pulp
	13122	P3124	withdrawn	Method of Test for Copper in Pulp
*	13142	P3125	1993-01	Method of Test for Ink Absorption of Paper (K & N Ink Absorption Test)
*	13143	P3126	1993-01	Method of Test for Internal Bonding Strength Paperboard (Using Z-direction Tensile / Compression Tester)
*	13144	P3127	1993-01	Method of Test for Internal Bonding Strength of Paper and Paperboard (Using Tensile Strength Tester)
	13145	P3128	2002-12	Method of test for solvent extractives content in pulp
	13146	P3129	2009-01	Method of test for water absorptiveness of paper and board after immersion in water
	13147	P3130	withdrawn	Method of test for silicates and silica content in pulp (Wet ash method)
	13314	P3131	2022-11	Method of test for air permeance of paper and board (Sheffield method)
	13349	P3132	2010-08	Method of test for grease resistance of paper and board – Permeability test
*	13355	P3133	1994-03	Method of Test for Coarseness of Pulp Fibers
*	13393	P3134	1994-06	Method of Test for Relative Viscosity of Pulp (Oken Viscometer Method)
*	13394	P3135	1994-06	Method of Test for Viscosity of Pulp (Falling Ball Method)
*	13416	P3136	1994-07	Method of Sampling of Fillers and Pigments for Paper Making
*	13417	P3137	1994-07	Method of Test for Brightness of Mineral Fillers and Pigments for Paper Making (Diffuse Blue Reflectance)
*	13418	P3138	1994-07	Method of Test for Brightness of Mineral Fillers and Pigments for Paper Making (45°/0° Directional Tester)
*	13419	P3139	1994-07	Method of Test for Particle - size Distribution of Mineral Fillers and Pigments for Paper Making
	14931	P3140	2005-07	Paper and paperboard - Determination of opacity ( paper backing ) - Diffuse reflectance method
	15238	P3141	2008-12	Method of test for roughness in paper and board ( Print–surf method )
	15239	P3142	2009-01	Method of test for bursting strength of paper and board after immersion in water
	15288	P3143	2009-07	Method of test for total count of bacteria, yeast and mould of pulp, paper and board
	15444	P3144	2011-05	Method of test for pH of aqueous extracts of pulp, paper and board (Cold extraction method)
	15445	P3145	2011-05	Method of test for pH of aqueous extracts of pulp, paper and board (Hot extraction method)
	15446	P3146	2011-05	Method of test for water-soluble chlorides in pulp, paper and board (Ion chromatograph method)

## Q Environmental Protection

Environmental  
Protection

CNS no.	Category no.	Date of		Title
		Current edition		
<b>General</b>				
14064	Q1001	2006-06		Guide for the inclusion of environmental aspects in product standards
14050	Q1002	2011-12		Environmental management — Vocabulary
14066	Q1003	withdrawn		General requirements for bodies operating assessment and certification/registration of environmental management systems (EMS)
15012	Q1004	2006-06		Plastics - Environmental aspects - General guidelines for their inclusion in standards
14064-1	Q1005-1	2021-01		Greenhouse gases – Part 1: Specification with guidance at the organization level for quantification and reporting of greenhouse gas emissions and removals
14064-2	Q1005-2	2021-01		Greenhouse gases – Part 2: Specification with guidance at the project level for quantification, monitoring and reporting of greenhouse gas emission reductions or removal enhancements
14064-3	Q1005-3	2022-07		Greenhouse gases – Part 3: Specification with guidance for the verification and validation of greenhouse gas statements
14065	Q1006	2022-12		General principles and requirements for bodies validating and verifying environmental information
16000-1	Q1007-1	2011-01		Indoor air — Part 1 General aspects of sampling strategy
16000-2	Q1007-2	2011-01		Indoor air — Part 2: Sampling strategy for formaldehyde
16000-3	Q1007-3	2016-04		Indoor air - Part 3: Determination of formaldehyde and other carbonyl compounds - Active sampling method
16000-4	Q1007-4	2016-04		Indoor air - Part 4: Determination of formaldehyde - Diffusive sampling method
16000-5	Q1007-5	2011-01		Indoor air — Part 5: Sampling strategy for volatile organic compounds (VOCs)
16000-6	Q1007-6	2016-04		Indoor air - Part 6: Determination of volatile organic compounds in indoor and test chamber air by active sampling on Tenax TA® sorbent, thermal desorption and gas chromatography using MS/FID
16000-7	Q1007-7	2011-01		Indoor air — Part 7: Sampling strategy for determination of airborne asbestos fibre concentrations
16000-8	Q1007-8	2011-01		Indoor air — Part 8: Determination of local mean age of air in buildings for characterizing ventilation conditions
16000-9	Q1007-9	2011-01		Indoor air — Part 9: Determination of the emission of volatile organic compounds from building products and furnishing — Emission test chamber method
16000-10	Q1007-10	2011-01		Indoor air — Part 10: Determination of the emission of volatile organic compounds from building products and furnishing — Emission test cell method
16000-11	Q1007-11	2011-01		Indoor air — Part 11: Determination of the emission of volatile organic compounds from building products and furnishing — Sampling, storage of samples and preparation of test specimens
16000-12	Q1007-12	2011-01		Indoor air — Part 12: Sampling strategy for polychlorinated biphenyls (PCBs) , polychlorinated dibenzo-p-dioxins (PCDDs) , polychlorinated dibenzofurans (PCDFs) and polycyclic aromatic hydrocarbons
16000-13	Q1007-13	2011-01		Indoor air - Part 13: Determination of total (gas and particle-phase) polychlorinated dioxin-like biphenyls (PCBs) and polychlorinated dibenzo-p-dioxins/dibenzofurans (PCDDs/PCDFs) - Collection on
16000-14	Q1007-14	2011-12		Indoor air — Part 14: Determination of total (gas and particle-phase) polychlorinated dioxin-like biphenyls (PCBs) and polychlorinated dibenzo-p-dioxins/dibenzofurans (PCDDs/PCDFs) — Extraction,
16000-15	Q1007-15	2011-01		Indoor air - Part 15: Sampling strategy for nitrogen dioxide (NO2)
16000-16	Q1007-16	2011-01		Indoor air - Part 16: Detection and enumeration of moulds - Sampling by filtration
16000-17	Q1007-17	2011-01		Indoor air - Part 17: Detection and enumeration of moulds - Culture-

CNS no.	Category no.	Date of		Title
		Current edition		
				based method
16000-23	Q1007-23	2011-12		Indoor air – Part 23: Performance test for evaluating the reduction of formaldehyde concentrations by sorptive building materials
16000-24	Q1007-24	2011-12		Indoor air – Part 24: Performance test for evaluating the reduction of volatile organic compound (Except formaldehyde) concentrations by sorptive building materials
16000-25	Q1007-25	2016-04		Indoor air - Part 25: Determination of the emission of semi-volatile organic compounds by building products - Micro-chamber method
16000-26	Q1007-26	2016-04		Indoor air - Part 26: Sampling strategy for carbon dioxide (CO2)
16000-28	Q1007-28	2016-04		Indoor air - Part 28: Determination of odour emissions from building products using test chambers
15676-1	Q1008-1	2013-09		Interior air of road vehicles – Part 1: Whole vehicle test chamber – Specification and method for the determination of volatile organic compounds in cabin interiors
15676-2	Q1008-2	2013-09		Interior air of road vehicles – Part 2: Screening method for the determination of the emissions of volatile organic compounds from vehicle interior parts and materials – Bag method
15676-3	Q1008-3	2013-09		Interior air of road vehicles – Part 3: Screening method for the determination of the emissions of volatile organic compounds from vehicle interior parts and materials – Micro-scale chamber method
15742	Q1009	2014-08		Greenhouse gases - Competence requirements for greenhouse gas validation teams and verification teams

## Environmental Management

14001	Q2001	2016-06		Environmental management systems – Requirements with guidance for use
14004	Q2002	2019-10		Environmental management systems – General guidelines on implementation
14010	Q2003	withdrawn		Guidelines for Environmental Auditing-General Principles (→ CNS 14809)
14011	Q2004	withdrawn		Guidelines for Environmental Auditing-Audit Procedures-Auditing of Environmental Management Systems (→ CNS 14809)
14012	Q2005	withdrawn		Guidelines for Environmental Auditing-Qualification Criteria for Environmental Auditors (→ CNS 14809)
14040	Q2006	2008-12		Environmental management – Life cycle assessment – Principles and framework (Amendment 1)
14020	Q2007	2003-11		Environmental labels and declarations—General principles
14024	Q2008	2019-04		Environmental labels and declarations – Type I environmental labelling – Principles and procedures
14021	Q2009	2019-06		Environmental labels and declarations – Self-declared environmental claims (Type II environmental labelling) (Amendment 1:Carbon footprint, carbon neutral)
14041	Q2010	withdrawn		Environmental management – Life cycle assessment – Goal and scope definition and inventory analysis
14042	Q2011	withdrawn		Environmental management - Life cycle assessment - Life cycle impact assessment
14031	Q2012	2002-05		Environmental management—Environmental performance evaluation—Guidelines
14043	Q2013	withdrawn		Environmental management – Life cycle assessment – Life cycle interpretation
14025	Q2014	2007-09		Environmental labels and declarations - Type III environmental declarations - Principles and procedures
14015	Q2015	2003-11		Environmental management—Environmental assessment of sites and organizations(EASO)
14062	Q2016	2005-01		Environmental management - Integrating environmental aspects into product design and development
14048	Q2017	2008-06		Environmental management - Life cycle assessment - Data documentation format

CNS no.	Category no.	Date of		Title
		Current edition		
14049	Q2018	2008-06		Environmental management—Life cycle assessment—Examples of application of CNS14041 to goal and scope definition and inventory analysis
14044	Q2019	2008-12		Environmental management – Life cycle assessment – Requirements and guidelines (Amendment 1)
14063	Q2020	2009-05		Environmental management - Environmental communication - Guidelines and examples
50001	Q2021	2020-06		Energy management systems – Requirements with guidance for use
14046	Q2022	2017-09		Environmental management – Water footprint – Principles, requirements and guidelines
50003	Q2023	2017-11		Energy management systems – Requirements for bodies providing audit and certification of energy management systems
14005	Q2024	2021-12		Environmental management systems – Guidelines for a flexible approach to phased implementation
14067	Q2025	2021-09		Greenhouse gases – Carbon footprint of products – Requirements and guidelines for quantification
14026	Q2026	2022-09		Environmental labels and declarations – Principles, requirements and guidelines for communication of footprint information
14027	Q2027	2022-09		Environmental labels and declarations – Development of product category rules

### Environmental Engineering Devices

14431	Q3001	2000-05		Method of test for performance of oil/grease interceptor
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### Resource Products

15223	Q4001	2008-09		Characterisation of waste - Leaching behaviour tests - Influence of pH on leaching with initial acid/base addition
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CNS no.	Category no.	Date of		Title
		Current edition		
<b>General</b>				
461	R1001	withdrawn		Clay-Burnt Tiles for Building (General Rules) (→C N S 4 6 2 )
466	R1002	1984-01		General rules for concrete tiles for building
471	R1003	withdrawn		Asbestos Cement Roofing Tiles (General Rules) (→C N S 4 7 3 、 4 7 5 )
480	R1004	withdrawn		General Rules for Ceramic Tubes (→C N S 1 2 9 3 8 )
481	R1005	withdrawn		Ceramic Tubes, Shape and Size (→C N S 1 2 9 3 8 )
612	R1006	1986-07		Shape and dimension of refractory bricks
*	625	R1007	1976-12	Standard classification of fireclay brick
	704	R1008	1984-01	Volcanic ash for general use
*	890	R1009	withdrawn	General rules for enamel ware
*	981	R1010	2020-02	Bone china tablewares
	1047	R1011	1976-12	Standard classification of insulating fire brick
	3968	R1012	1976-06	Standard classification of refractory silica brick
	3969	R1013	withdrawn	Standard classification of mullite refractories
	3970	R1014	withdrawn	Standard classification of refractory granular dolomite
	3971	R1015	withdrawn	Standard classification of fireclay and high-alumina plastics and ramming mixes
	6514	R1016	1996-12	General Rules of Acid Resisting Porcelain for Chemical Industry
	6515	R1017	withdrawn	Tolerance of Acid Proof Pottery for Chemical Industry (→C N S 6 5 1 4 )
	9737	R1018	2016-09	Ceramic tiles
	11636	R1019	withdrawn	Shape and dimension of refractory bricks for rotary kiln
	11637	R1020	withdrawn	Shape and dimension of refractory bricks for cupola
	13430	R1021	1994-08	Glossary of terms relating to refractories
	13632	R1022	1996-01	Glossary of Terms Relating to Ceramic Whitewares
<b>Pottery Wares</b>				
*	61	R2001	2021-07	Portland cement
	382	R2002	2020-06	Common bricks
*	383	R2003	1953-07	Hollow bricks
	462	R2004	2022-06	Clay rooftiles
	463	R2005	withdrawn	Semi-Cylinder Type Clay-Burnt Tiles (for Taiwan Area) (→C N S 4 6 2 )
	464	R2006	withdrawn	Arc Type Clay-Burnt Tiles (for Taiwan Area) (→C N S 4 6 2 )
*	467	R2007	1965-09	Curved concrete tiles
*	468	R2008	1964-08	Channel form concrete tiles
*	469	R2009	1959-04	Flat concrete tiles
	472	R2010	withdrawn	Asbestos Cement Tiles, Thick
*	473	R2011	withdrawn	Flat Asbestos Cement Sheet
*	475	R2012	withdrawn	Corrugated asbestos cement sheet
*	823	R2013	withdrawn	Ordinary sheet glass
	891	R2014	withdrawn	Enamel cups, cylindrical
	892	R2015	withdrawn	Enamel cups,taper cylinder
	893	R2016	withdrawn	Enamel basins,shallow
	894	R2017	withdrawn	Enamel basins,deep
	895	R2018	withdrawn	Enamel washing basin
	896	R2019	withdrawn	Enamel receptacle plates
	897	R2020	withdrawn	Enamel receptacle plates,oval
	898	R2021	withdrawn	Enamel receptacle saucer
	899	R2022	withdrawn	Enamel bowls
	900	R2023	withdrawn	Enamel cuspidors
	901	R2024	withdrawn	Enamel lamp shape
	902	R2025	withdrawn	Enamel tea plates
	982	R2026	withdrawn	Porcelain Bowls (→C N S 9 8 1 )
	983	R2027	withdrawn	Porcelain Receptacle Plates, Round (→C N S 9 8 1 )

		Date of		
CNS no.	Category no.	Current edition	Title	
984	R2028	withdrawn	Porcelain Receptacle Plates, Oval (→CNS 981)	
985	R2029	withdrawn	Porcelain Spoons (→CNS 981)	
986	R2030	withdrawn	Porcelain Cup, Wide Mouth (→CNS 981)	
987	R2031	withdrawn	Porcelain Tea Plates, Cylindrical (→CNS 981)	
988	R2032	withdrawn	Coarse Porcelain Tea Cups (with Handle) (→CNS 981)	
989	R2033	withdrawn	Porcelain Tea Cups (with Handle) (→CNS 981)	
*	991	R2034	1995-01	Vitrified Grinding Wheels
	1048	R2035	1985-11	Refractory mortar
*	1049	R2036	1981-01	Pressed cement roof tiles (Arc-pattern)
*	1072	R2037	2013-09	Waterproof abrasive papers
*	1074	R2038	2013-09	Abrasive papers
*	1076	R2039	2013-09	Abrasive cloths
	1123	R2040	withdrawn	Basic magnesium carbonate heat insulation
	1125	R2041	withdrawn	Basic magnesium carbonate thermal insulating plate (Block) and pipe
*	1183	R2042	2011-03	Laminated glass
*	2176	R2043	1994-04	Thermal insulation material made of calcium silicate
*	2217	R2044	2016-12	Tempered glass
*	2306	R2045	1972-10	White portland cement
*	2352	R2046	1976-12	Standard classification of high-alumina brick
	2353	R2047	withdrawn	Fire bricks for coal fired steam boilers
*	2392	R2048	1965-01	Trough type clay-burnt tiles for building
*	2394	R2049	1965-01	Fire clay bricks for metallurgical use
	2441	R2050	2015-12	Patterned glass
*	2442	R2051	2015-12	Float glass and polished plate glass
*	2541	R2052	2016-12	Multiple glass
	2895	R2053	2018-08	Glass tableware
	3059	R2054	withdrawn	Artificial Abrasives (→CNS 3788)
	3060	R2055	withdrawn	Glass melting crucibles
	3061	R2056	withdrawn	Ampoule pipe
	3062	R2057	withdrawn	Ampoule
	3063	R2058	1985-11	Slide glasses for microscope
	3065	R2059	withdrawn	Glass Fiber Heat Insulation Materials (replaced by CNS 3065)
	3147	R2060	withdrawn	Asbestos braided ropes
*	3220	R2061	2017-11	Sanitary ceramic ware - Water closet
*	3220-1	R2061-1	2014-12	Sanitary ceramic ware – Tank for water closet
	3220-2	R2061-2	2017-11	Sanitary ceramic ware - Urinals
*	3220-3	R2061-3	2010-05	Sanitary ceramic ware – Washbasin
*	3220-4	R2061-4	2010-08	Sanitary ceramic ware – Kitchen sink
*	3220-5	R2061-5	2010-08	Sanitary ceramic ware – Laboratory sink
*	3220-6	R2061-6	2010-08	Sanitary ceramic ware – Bidet
*	3220-7	R2061-7	2010-08	Sanitary ceramic ware – Service sink
	3242	R2062	withdrawn	Porcelain combustion boats for chemical analysis
	3288	R2063	2018-05	Wired glass
	3298	R2064	withdrawn	Earthenware ceramic wall tile
	3319	R2065	withdrawn	Bricks (General type) for buildry (Module fitted)
	3320	R2066	withdrawn	Insulating Fire Clay
*	3321	R2067	1971-09	Magnesia brick
*	3322	R2068	1971-07	Chrome brick
*	3323	R2069	1971-09	Magnesia – Chrome brick
	3324	R2070	withdrawn	Alumina cement for refractories
	3325	R2071	1976-12	Standard classification of castable refractories
	3362	R2072	2017-05	Glass tumblers
	3459	R2073	2023-01	Processing additions for use in the manufacture of hydraulic cements
	3502	R2074	1972-10	Glass Bottles for Drug and Chemicals
*	3586	R2075	1973-08	Perlite heat insulating sheet (block) and pipe
*	3588	R2076	withdrawn	Electric furnace fire brick, for refining steel
	3589	R2077	1985-05	Air-entraining additions for use in the manufacture of air-entraining

## Ceramic Industry

		Date of		
CNS no.	Category no.	Current edition	Title	
				portland cement
3654	R2078	withdrawn		Portland blast-furnace slag cement
3655	R2079	1973-11		Method for mechanical mixing of hydraulic cement pastes and mortars of plastic consistency
3657	R2080	2017-11		Man-made mineral fibre thermal insulation materials
*	3725	withdrawn		Lead and cadmium content from glazed ceramic surface for table wares
*	3787	R2082	2013-09	Coated abrasive grain sizes
*	3788	R2083	2013-09	Artificial abrasives
*	3789	R2084	1995-01	Depressed center wheels with fabric reinforcement
*	3790	R2085	1995-01	Resinoid cutting-off wheels
	3965	R2086	1987-11	Shapes and dimensions of grinding wheels
*	3966	R2087	1987-11	Maximum operating speed of grinding wheels
*	3967	R2088	1995-10	Resinoid grinding wheels
*	4204	R2089	1995-01	Mounted wheels
	4205	R2090	1995-01	Rubber cutting-off wheels
*	4206	R2091	2013-09	Abrasive fibre discs
	4207	R2092	2013-09	Abrasive belts
*	4208	R2093	1995-01	Inserted nut abrasive discs and inserted nut ring wheels
*	4341	R2094	2016-12	Heat absorbing glass
	4342	R2095	2016-01	Glass beads for reflective traffic markings
	4721	R2096	1979-01	Dimension of refractory arch bricks
*	5041	R2097	withdrawn	Enamel tank
*	5042	R2098	withdrawn	Enamel kettle
	5079	R2099	1979-12	Gypsum casting and molding plaster
	5081	R2100	withdrawn	Plaster of paris for pottery mold
	5178	R2101	withdrawn	Enamel pot
	6513	R2102	withdrawn	Laboratory glassware-separating funnels and dropping funnels
	6517	R2103	withdrawn	Porcelain basins for chemical analysis
	6518	R2104	withdrawn	Porcelain combustion tubes for chemical analysis
	6519	R2105	withdrawn	High frequency combustion crucibles for chemical analysis
	6520	R2106	withdrawn	Conical flanged straight pipes of acid resisting porcelain for chemical industry
	6521	R2107	withdrawn	Conical flanged 90° bent pipes of acid resisting porcelain for chemical industry
	6522	R2108	withdrawn	Conical flanged 45° bent pipes of acid resisting porcelain for chemical industry
	6523	R2109	withdrawn	Conical flanged tee pipes of acid resisting porcelain for chemical industry
	6524	R2110	withdrawn	Socket type straight pipes of acid resisting porcelain for chemical industry
	6525	R2111	withdrawn	Socket type 90° bent pipes of acid resisting porcelain for chemical industry
	6526	R2112	withdrawn	Socket type 45° bent pipes of acid resisting porcelain for chemical industry
	6612	R2113	withdrawn	Porcelain casseroles for chemical analysis
	6613	R2114	withdrawn	Porcelain beaker for chemical analysis
	6952	R2115	withdrawn	Tower section with closed bottom of acid resisting porcelain for chemical industry
	6953	R2116	withdrawn	Tower section with bottom rim of acid resisting porcelain for chemical industry
	6954	R2117	withdrawn	Tower section with top rim of acid resisting porcelain for chemical industry
	6955	R2118	withdrawn	Tower cover of acid resisting porcelain for chemical industry
	6956	R2119	1996-12	Tower Packings of Acid Resisting Porcelain for Chemical Industry
	6957	R2120	withdrawn	Spherical Packing of Acid Proof Pottery for Chemical Industry (→CNS 6956)
	6958	R2121	withdrawn	Clamping fittings for conical flanged pipes of acid resisting porcelain for chemical industry



	CNS no.	Category no.	Date of Current edition	Title
	6959	R2122	1996-12	Acid and Heat Resisting Bricks for Chemical Industry
*	6960	R2123	withdrawn	Porcelain crucibles for chemical analysis
	7300	R2124	1986-03	Glass Beakers for Chemical Analysis
	7301	R2125	withdrawn	Glass flasks for chemical analysis
	7302	R2126	withdrawn	Glass dishes for chemical analysis
	7303	R2127	withdrawn	Glass funnels for chemical analysis
	7304	R2128	withdrawn	Glass test tubes for chemical analysis
	7305	R2129	withdrawn	Glass bottles for chemical analysis
	7306	R2130	withdrawn	Glass suction bottles for chemical analysis
	7307	R2131	withdrawn	Glass weighing bottles for chemical analysis
	7308	R2132	withdrawn	Glass desiccator for chemical analysis
	7309	R2133	withdrawn	Glass cock for chemical analysis
	7310	R2134	withdrawn	Glass connectors for chemical analysis
	7311	R2135	1986-03	Glass filters for chemical analysis
	7312	R2136	withdrawn	Assembly of Soxhlet's glass extractor for chemical analysis
	7313	R2137	withdrawn	Glass gas-drying towers for chemical analysis
	7314	R2138	withdrawn	Glass gas-washing bottles for chemical analysis
	7315	R2139	withdrawn	Kipp's gas generator for chemical analysis
	7316	R2140	withdrawn	Glass U-tube for chemical analysis
	7317	R2141	withdrawn	Glass specific-gravity bottles for chemical analysis
	7318	R2142	withdrawn	Glass condensers for chemical analysis
	7319	R2143	withdrawn	Glass adapters for chemical analysis
	7320	R2144	withdrawn	Interchangeable ground glass joints for chemical analysis
	7321	R2145	withdrawn	Glass rods
	7322	R2146	withdrawn	Glass tubes
	8541	R2147	withdrawn	Boro-silicate BK7 optical crown glass
	8862	R2148	withdrawn	Glass materials of volumeter for chemical analysis
	8863	R2149	withdrawn	Glass burette for chemical analysis
	8864	R2150	withdrawn	Glass pipette for chemical analysis
	8865	R2151	withdrawn	Glass cylinder for chemical analysis
	8866	R2152	withdrawn	Glass volumetric flask for chemical analysis
	8867	R2153	withdrawn	Glass liquid volumeters for chemical analysis
	9029	R2154	withdrawn	Enamel dish for laboratory
	9030	R2155	withdrawn	Enamel bucket for laboratory
	9031	R2156	withdrawn	Enamel round vessel for laboratory
	9032	R2157	withdrawn	Enamel reaction vessel with three necks for laboratory
	9033	R2158	withdrawn	Enamel beaker for laboratory
	9034	R2159	withdrawn	Enamel funnel for laboratory
	9035	R2160	withdrawn	Enamel casserole for laboratory
	9326	R2161	2002-04	Compressed fiber jointing
	9738	R2162	withdrawn	Earthenware ceramic floor tile
	9739	R2163	withdrawn	Stoneware ceramic floor tile
	9740	R2164	withdrawn	Vitrifiedware ceramic floor tile
	9741	R2165	withdrawn	Stoneware ceramic wall tile
	9742	R2166	withdrawn	Vitrifiedware ceramic wall tile
	9743	R2167	withdrawn	Vitrifiedware ceramic mosaic tile
	9744	R2168	withdrawn	Stoneware ceramic mosaic tile
	10125	R2169	withdrawn	Vials for injection
	10126	R2170	withdrawn	Tube bottle for injections
	10127	R2171	withdrawn	Acid proof glass bottles
	10631	R2172	withdrawn	Ceramic extrusion tiles
*	10985	R2173	2013-04	Safety glazing materials for road vehicles
*	11141	R2174	1987-10	Segment grinding wheels
*	11142	R2175	1987-10	Magnesia grinding wheels
	11265	R2176	withdrawn	Asbestos yarns and twisted ropes
	11266	R2177	withdrawn	Asbestos cloths
	11267	R2178	withdrawn	Asbestos Mill Boards
	11268	R2179	withdrawn	Asbestos brake linings for industrial machines
	11269	R2180	withdrawn	Asbestos cloth diaphragms for electrolysis of water

## Ceramic Industry

		Date of	
CNS no.	Category no.	Current edition	Title
11270	R2181	withdrawn	Portland fly ash cement
11271	R2182	withdrawn	Fly ash for use in portland fly ash cement
11417	R2183	withdrawn	Silicon carbide electric heating element
11418	R2184	1985-11	Non-metallic protecting tubes for thermocouples
11419	R2185	1985-11	Non-metallic insulating beads for thermocouples
11420	R2186	1985-11	Cover glass for microscope
11511	R2187	withdrawn	Optical infrared ray absorbing glass
* 11522	R2188	1986-03	High - temperature fiber blanket thermal insulation
* 12050	R2189	2018-12	Heat resistant glass wares
12167	R2190	2013-09	Coated abrasives - Cylindrical sleeves
12168	R2191	2013-09	Coated abrasives - Flap wheels with shaft
12169	R2192	1987-11	Coated abrasive – Flap wheels with incorporated flanges or separate flanges – Designation and dimensions
* 12379	R2193	2020-02	Glass in building – Silvered, flat-glass mirror
12445	R2194	withdrawn	Glass components for chemical plants
12938	R2195	2003-11	Vitrified clay pipes and fittings and pipe joints for drains and sewers
12969	R2196	1992-02	Porcelain jars for bones and bone ashes
* 13032	R2197	2016-12	Solar reflective glass
13356	R2198	1994-03	Heat resistant ceramic tablewares
13431	R2199	withdrawn	Kiln-firing granite tile
13447	R2200	2017-01	Heat-strengthened glass
13487	R2201	1995-01	Glass mosaic tiles
13488	R2202	withdrawn	Abrasive stone
13548	R2203	1995-10	Alumina cement
* 13762	R2204	2004-11	Tempered glass 360°retroreflective roadmarkers
14293	R2205	1998-12	Pyrometric reference cones for laboratory use
14909	R2206	withdrawn	Polished ceramic tiles
14932	R2207	2005-07	Waste glass cullet as a raw material for manufacture of glass containers
15093	R2208	2007-06	Glass blocks and pavers for construction
15167	R2209	2008-01	Showerhead
15684	R2210	2013-09	Bonded abrasive grain sizes
15833	R2211	2015-09	Low-emissivity coated glass in building

## Testing and Inspection

* 465	R3001	withdrawn	Clay roofing tiles test (→CNS 4 6 2)
* 470	R3002	1981-01	Testing standard for cement roof tiles
474	R3003	withdrawn	Method of Test for Flat Asbestos Cement Sheet
* 476	R3004	withdrawn	Method of test for corrugated asbestos cement sheet
477	R3005	withdrawn	Testing Standard for Asbestos Cement Tiles (→CNS 4 7 4、4 7 6)
482	R3006	withdrawn	Testing Standard for Ceramic Pipes (→CNS 1 2 9 3 9)
613	R3007	withdrawn	Method of sampling for refractory bricks
614	R3008	1978-11	Method of test for size and bulk density of refractory brick and insulating firebrick
615	R3009	withdrawn	Method of test for warpage of refractory bricks
616	R3010	1990-08	Method of test for cold crushing strength of refractory bricks
617	R3011	1998-12	Method for determination of pyrometric cone equivalent (refractoriness) of refractory products
618	R3012	1990-08	Method of test for permanent linear change of refractory brick on reheating
619	R3013	1986-10	Method of test for apparent porosity, water absorption and specific gravity of refractory bricks
620	R3014	1998-12	Method for determination of true density of refractory materials
621	R3015	1990-08	Method of test for refractoriness under load of refractory bricks
622	R3016	1956-04	Method of spalling test for refractory bricks under sudden change of temperature
623	R3017	1956-04	Method of test for sieve analysis and water content of refractory material

CNS no.	Category no.	Date of		Title
		Current edition		
624	R3018	withdrawn		Method of chemical analysis for refractory material
705	R3019	1984-01		Method of test for volcanic ash for general use
784	R3020	2011-11		Method of sampling and the amount of testing for hydraulic cement and blended hydraulic cement
785	R3021	1983-07		Method of test for time of setting of hydraulic cement (by glmore needle)
786	R3022	1983-07		Method of test for time of setting of hydraulic cement (by vicat needle)
787	R3023	1983-07		Method of test for air content of hydraulic cement mortar
* 824	R3024	withdrawn		Method of test for appearance of flat sheet glass of general use
* 903	R3025	withdrawn		Method of test for enamel ware
* 990	R3026	withdrawn		Method of test for porcelain tablewares(replaced by CNS 981)
992	R3027	withdrawn		Method of Test for Porcelain Fritted Grinding Wheels (→CNS 3786)
993	R3028	2017-05		Methods for sampling of glass containers
994	R3029	2017-05		Method of test for internal pressure strength of glass containers
995	R3030	2017-05		Method of test for thermal shock resistance of glass containers
996	R3031	2017-05		Methods of test for resistance of glass containers to chemical attack
1010	R3032	1993-12		Method of test for compressive strength of hydraulic cement mortars (using 50 mm or 2 in. cube specimens)
1011	R3033	withdrawn		Method of Test for Tensile Strength of Hydraulic Cement Mortar
1012	R3034	2012-01		Flow table for use in tests of hydraulic cement
1046	R3035	2021-03		Methods for chemical analysis of Soda-Lime-Silicate glasses
1073	R3036	withdrawn		Method of test for water proof abrasive paper
1075	R3037	withdrawn		Method of test for abrasive paper
1077	R3038	withdrawn		Method of test for abrasive cloth
1078	R3039	2020-11		Method of test for chemical analysis of hydraulic cement
1124	R3040	withdrawn		Method of test for basic magnesium carbonate heat insulation
1126	R3041	withdrawn		Method of test for basic magnesium carbonate thermal insulating plate (Block) and pipe
1127	R3042	withdrawn		Method of test for general type of bricks for building
* 1184	R3043	withdrawn		Method of test for laminated glasses
1258	R3044	1985-05		Method of test for autoclave expansion of portland cement
2177	R3045	1995-01		Method of test for thermal insulation material made of calcium silicate
* 2218	R3046	withdrawn		Method of test for tempered glasses
* 2248	R3047	1989-07		Method of test for heat of hydration of hydraulic cement
2393	R3048	2005-01		Method of test for whiteness of white portland cement
* 2885	R3049	1969-01		Method of sampling for china clays
2886	R3050	1969-01		Method of test for free moisture content in fine ceramic and porcelain clay
2887	R3051	1969-01		Determination of drying and firing shrinkage of fine ceramic and porcelain clay
2888	R3052	1976-06		Method of test, modulus of rupture unfired clays
2889	R3053	withdrawn		Method of test for compressive (crushing) strength of fired whiteware clay materials
2890	R3054	withdrawn		Method of test for frie-resistance of dry fired and pressed fine ceramic and porcelain specimens at room temperature
2891	R3055	withdrawn		Method of test for rupture modulus of fired cast or extruded fine ceramic and porcelain products
2892	R3056	withdrawn		Method of test for moisture expansion of fired fine ceramic and porcelain products
2893	R3057	withdrawn		Method of test for specific gravity of fired fine ceramic and porcelain material
2894	R3058	withdrawn		Method for chemical analysis clays of ceramic whiteware
2924	R3059	2022-11		Method of test for fineness of hydraulic cement by air-permeability apparatus
3187	R3060	withdrawn		Method of test for compressive strength of chemical stoneware
3188	R3061	withdrawn		Method of test for transverse strength of chemical stoneware
3189	R3062	withdrawn		Method of test for abrasive resistance of chemical stoneware

## Ceramic Industry

		Date of		
CNS no.	Category no.	Current edition	Title	
	3190	R3063	withdrawn	Method of test for acid soluble iron in chemical stoneware
	3191	R3064	withdrawn	Method of test for acid resistance for chemical stoneware
*	3221	R3065	2010-05	Method of test for sanitary ceramic wares
	3243	R3066	withdrawn	Sieve analysis for non-plasticible pulverized ceramic material
	3244	R3067	withdrawn	Method of test for crazing resistance of fired and glazed fine ceramic and porcelain products (by autoclave method)
	3245	R3068	withdrawn	Method of test for thermal shock resistance of glazed ceramic tile
	3246	R3069	1971-06	Determination of linean thermal expansion of fired fine ceramic and porcelain products
	3289	R3070	withdrawn	Method of test for wired glass of general use (→CNS 3 2 8 8)
	3299	R3071	withdrawn	Method of test for ceramic tiles
	3299-1	R3071-1	2011-05	Methods of test for ceramic tiles – Part 1: Sampling and basis for acceptance
	3299-2	R3071-2	2015-03	Methods of test for ceramic tiles – Part 2: Determination of surface quality, dimensions and crook, warp and rectangularity, shape and height of back feet, and angle for trim tiles
	3299-3	R3071-3	2010-05	Methods of test for ceramic tiles – Part 3: Determination of water absorption, apparent porosity and bulk density
	3299-4	R3071-4	2009-07	Methods of test for ceramic tiles – Part 4: Determination of modulus of rupture and breaking strength
	3299-5	R3071-5	2009-07	Methods of test for ceramic tiles – Part 5: Determination of resistance to deep abrasion for unglazed floor tiles
	3299-6	R3071-6	2009-07	Methods of test for ceramic tiles – Part 6: Determination of resistance to surface abrasion for glazed floor tiles
	3299-7	R3071-7	2011-05	Methods of test for ceramic tiles – Part 7: Determination of resistance to thermal shock
	3299-8	R3071-8	2011-05	Methods of test for ceramic tiles – Part 8 : Determination of crazing resistance for glazed tiles
	3299-9	R3071-9	2011-05	Methods of test for ceramic tiles – Part 9: Determination of resistance to stains
	3299-10	R3071-10	2011-05	Methods of test for ceramic tiles – Part 10: Determination of chemical resistance
	3299-11	R3071-11	2010-05	Methods of test for ceramic tiles – Part 11: Determination of lead and cadmium given off by glazed tiles
	3299-12	R3071-12	2011-09	Methods of test for ceramic tiles – Part 12: Determination of slip resistance
	3299-13	R3071-13	2013-09	Methods of test for ceramic tiles - Part 13 : Test methods for unit-tiles of quality
	3458	R3072	1983-08	Method of test for early stiffening of portland cement (paste method)
*	3503	R3073	withdrawn	Method of test for lead and cadmium extracted from glazed ceramic surfaces
	3587	R3074	1973-08	Method of test for perlite heat insulating sheet (block) and pipe
	3590	R3075	1988-06	Method of test for normal consistency of hydraulic cement
	3656	R3076	1983-08	Method of test for optimum SO <sub>3</sub> in portland cement
*	3786	R3077	1987-11	Method of test for grinding wheels
	4093	R3078	withdrawn	Method of test for hydration resistance of basic brick
	4151	R3079	withdrawn	Method of Test for Metal Release from Vitreous Enamel Tableware (→CNS 1 1 5 5 4)
	4343	R3080	withdrawn	Method of test for glass beads for reflective traffic paint
	4457	R3081	withdrawn	Method of test for heat absorbing tinted flat glasses
	4682	R3082	withdrawn	Method of test for bulk density and porosity of granular refractory materials by mercury displacement
	5080	R3083	1979-12	Method of chemical analysis for gypsum and gypsum products
	5082	R3084	withdrawn	Method of physical test for plaster of paris for pottery mold
	5474	R3085	withdrawn	Method of test for porosity of body and imperfections of glaze for porcelain laboratory apparatus
	5475	R3086	withdrawn	Method of test for resistance to heat and to sudden change in temperature for porcelain laboratory apparatus

CNS no.	Category no.	Date of		Title
		Current edition		
5476	R3087	withdrawn		Method of test for resistance of glaze to high temperature for porcelain laboratory apparatus
5477	R3088	withdrawn		Method of test for constancy of mass on ignition for porcelain laboratory apparatus
5478	R3089	withdrawn		Method of test for resistance of glaze to acid and alkali for porcelain laboratory apparatus
5480	R3090	withdrawn		Suitable gauging system for diameter and length of conical joints
5481	R3091	withdrawn		Leakage test for conical joints
6516	R3092	1996-12		Method of Test for Acid Resisting Porcelain for Chemical Industry
6614	R3093	1984-08		Method of test for average linear thermal expansion of glass
* 6850	R3094	withdrawn		Method of test for color retention of red, orange and yellow porcelain enamels
* 6851	R3095	withdrawn		Method of test for sieve analysis of wet milled and dry milled porcelain enamel
* 6852	R3096	withdrawn		Method of test for resistance of porcelain enameled utensils to boiling acid
* 7529	R3097	2013-09		Method for sampling of abrasive grains
* 7530	R3098	2013-09		Method of test for grain size of coated abrasive macrogrits (P12-P220)
* 7531	R3099	2013-09		Method of test for density of artificial abrasives
7840	R3100	withdrawn		Method of sintering test for fused aluminous abrasives
7841	R3101	2013-09		Method of test for bulk density of artificial abrasives
7842	R3102	withdrawn		Method of test for capillarity of artificial abrasives
7843	R3103	withdrawn		Method of test for pH of artificial abrasives
* 8861	R3104	1982-05		Method of test for glass apparatus for chemical analysis
9327	R3105	withdrawn		Method of test for compressed fiber jointing gasket ( → C N S 9 3 2 6 )
9436	R3106	withdrawn		Method of test for magnetic matter in artificial abrasives
9437	R3107	withdrawn		Method of test for toughness of artificial abrasives (Ball mill method)
9438	R3108	2013-10		Method for chemical analysis of alumina abrasives
9439	R3109	2013-10		Method for chemical analysis of silicon carbide abrasives
9745	R3110	1982-12		Method of test for calcium sulfate in hydrated portland cement mortar
9746	R3111	1982-12		Method of test for potential expansion of portland cement mortars exposed to sulfate
9747	R3112	1982-12		Method of test for fineness of portland cement by the turbidimeter
10200	R3113	withdrawn		Method of test for disintegration of refractories in an atmosphere of carbon monoxide
* 10379	R3114	withdrawn		Method of test for radiation of enamel(and cloisonne) products
10473	R3115	1983-07		Method of test for fineness of hydraulic cement by 0.150 mm and 0.075 mm sieves
10866	R3116	withdrawn		Method of test for float and polished plate glasses
10986	R3117	2008-11		Method of test for safety glazing materials for road vehicles
11081	R3118	1984-10		Method for calculating heat balancing of cement rotary kiln
11191	R3119	withdrawn		Method for calculating heat balancing of pottery and refractory firing tunnel kiln
11249	R3120	withdrawn		Method for calculating heat balance of firing periodic kiln for pottery and refractory
11250	R3121	withdrawn		Method for calculating heat balance of continuous dryer for mineral materials and their related products
11272	R3122	1985-05		Method of test for density of hydraulic cement
11273	R3123	1985-05		Method of test for fineness of hydraulic cement by the test sieve 0.045 mm CNS 386
11274	R3124	withdrawn		Method for calculating heat balance of kiln and furnace for lime
11292	R3125	withdrawn		Method of test for strain point of glass
11293	R3126	withdrawn		Method of test for softening point of glass ( replaced by CNS 16083 -1 )
11421	R3127	withdrawn		Method of test for refractoriness of refractory raw materials
11422	R3128	withdrawn		Method of test for refractoriness of fireclay plastic refractories
11423	R3129	1985-11		Method of test for grain size of refractory mortar

## Ceramic Industry

CNS no.	Category no.	Date of		Title
		Current edition		
11424	R3130	1985-11		Method of test for setting time of refractory mortar
11425	R3131	1985-11		Method of test for cone penetration of refractory mortar
11426	R3132	withdrawn		Method of sampling for fireclay plastic refractories
11427	R3133	withdrawn		Method of test for moisture content of fireclay plastic refractories
11510	R3134	1986-02		Methods for chemical analysis of borosilicate glasses
11512	R3135	withdrawn		Method of test for optical infrared ray absorbing glass
11523	R3136	1986-03		Method of test for high – Temperature fiber blanket thermal insulation
11554	R3137	withdrawn		Method of test for lead and cadmium release from porcelain enamel surface
11555	R3138	1986-04		Method of test for arsenic extracted from glazed ceramic or porcelain enamel surfaces of food utensils containers
11638	R3139	1986-07		Method of inspection for dimension of refractory bricks
11639	R3140	1986-07		Methods for measuring dimensions of refractory bricks
11738	R3141	1986-10		Method of test for specific gravity and true porosity of insulating fire bricks
11739	R3142	1986-10		Method of test for modulus of rupture of insulating fire bricks
11740	R3143	1986-10		Method of test for crushing strength of insulating fire bricks
11741	R3144	1986-10		Method of test for thermal expansion and shrinkage of insulating fire bricks
11742	R3145	1986-10		Method of test for reheat shrinkage of insulating fire bricks
11743	R3146	withdrawn		Method of sampling for castable refractories
11973	R3147	withdrawn		Method of test for grain size of castable refractories
11974	R3148	1987-05		Method of test for crushing strength and modulus of rupture of castable refractories
11975	R3149	1987-05		Method of test for the rate of linear change of castable refractories
11976	R3150	withdrawn		Method of test for grain size of light weight castable refractories
11977	R3151	withdrawn		Method of test for crushing strength and modulus of rupture of light weight castable refractories
11978	R3152	withdrawn		Method of test for permanent linear change on light weight castable refractories
11979	R3153	withdrawn		Method of test for crushing strength and modulus of alumina and fireclay plastic refractories
11980	R3154	withdrawn		Method of test for coefficient of linear variation of refractory mortar
12051	R3155	withdrawn		Method of test for heat resistant glass wares ( replaced by CNS 12050 )
12109	R3156	withdrawn		Method of test for slag corrosion of refractories
12110	R3157	1987-09		Method of test for thermal conductivity of insulating fire bricks by water circulation
12111	R3158	1987-09		Method of test for workability index of fireclay plastic refractories
12166	R3159	withdrawn		Standard recommended practice for selection of coated abrasives
12380	R3160	withdrawn		Method of test for unworked glass mirror(replaced by CNS 12379)
12381	R3161	2011-08		Testing method on transmittance, reflectance and emissivity of flat glass and evaluation of solar heat gain coefficient
12701	R3162	2018-12		Test method for flexural strength (modulus of rupture) of fine ceramics at room temperature
12702	R3163	1990-04		Method of test for elastic modulus of high performance ceramics
12703	R3164	2018-12		Test method for flexural strength (modulus of rupture) of fine ceramics at elevated temperature
12704	R3165	1990-04		Method of test for particle size distribution of alumina or quartz using centrifugal sedimentation
12705	R3166	withdrawn		Method of test for particle size distribution of alumina or quartz by nitrogen adsorption
12706	R3167	1990-04		Method of test for specific surface area of alumina or quartz by nitrogen adsorption
12764	R3168	1990-08		Method of test for modulus of rupture of refractory bricks
12765	R3169	withdrawn		Method of test for the rate of linear change of refractory brick on heating
12766	R3170	1990-08		Method of test for permanent linear change on castable refractories

CNS no.	Category no.	Date of		Title
		Current edition		
12786	R3171	withdrawn		Method of chemical analysis for silicon nitride powders
12787	R3172	withdrawn		Method of chemical analysis of chrome ore for refractories
12788	R3173	2021-03		Chemical analysis of refractory products by X-ray fluorescence (XRF) – Fused cast-bead method
12939	R3174	withdrawn		Method of test for vitrified clay pipes and fittings and pipe joints for drains and sewers (→CNS 1 2 9 3 8)
12970	R3175	1992-02		Method of test for porcelain jars for bones and bone ashes
13033	R3176	withdrawn		Method of test for solar reflective glass
13034	R3177	1992-09		Method of measuring the linear thermal expansion coefficient for low expansion glass by laser interferometry
13432	R3178	2007-03		Method for determining the static coefficient of friction of ceramic tile and other like surfaces by the horizontal dynamometer pull-meter method
13448	R3179	withdrawn		Method of test for heat-strengthened flat glass
13585	R3180	1995-10		Method of test for compressive and flexural strength of alumina cement mortar
13586	R3181	1995-10		Method of test for time of setting of alumina cement mortar (by vicat needle)
13763	R3182	withdrawn		Method of test for 360° reflective roadmarkers made of tempered glass (→CNS 1 3 7 6 2)
13956	R3183	1997-10		Method of test for elastic modulus of fine ceramics at elevated temperature
13957	R3184	1997-10		Method of test for tensile strength of fine ceramics at room and elevated temperature
13958	R3185	1997-10		Method of test for fracture toughness of fine ceramics
13959	R3186	1997-10		Method of test for compressive strength of fine ceramics
13960	R3187	1997-10		Method of test for oxidation resistance of non-oxide fine ceramics
13983	R3188	1997-11		Method of test for vickers hardness of fine ceramics
13984	R3189	1997-11		Methods of test for thermal diffusivity, specific heat capacity, and thermal conductivity of fine ceramics by laser flash method
13985	R3190	1997-11		Method of test for bending creep of fine ceramics
13986	R3191	1997-11		Method of test for wear resistance of fine ceramics by ball on disk method
13987	R3192	1997-11		Method of test for corrosion of fine ceramics in acid and alkaline solutions
14142	R3193	1998-06		Methods of test for adaptation assessment of fine ceramics under high temperature and high pressure
14143	R3194	1998-06		Methods of chemical analysis for fine silicon carbide powders for fine ceramics
14144	R3195	1998-06		Methods of test for fracture toughness of fine ceramics at elevated temperature
14145	R3196	1998-06		Methods of test for measuring thermal expansion of fine ceramics by thermomechanical analysis
14294	R3197	1998-12		Method for determination of resistance to sulfuric acid of dense shaped refractory products
14313	R3198	1999-06		Method of test for particle size distribution of fine ceramic powder by liquid photosedimentation method
14314	R3199	1999-06		Methods of test for particle density of fine ceramic powder
14315	R3200	1999-06		Methods of test for bending fatigue of fine ceramics at room temperature
14316	R3201	1999-06		General rules of the sample preparation for particle size analysis of fine ceramic raw powder
14317	R3202	1999-06		Method of test for Vickers hardness of fine ceramics at elevated temperatures
14387	R3203	1999-10		Method of test for bending strength of fine ceramic joint
14388	R3204	1999-10		Weibull statistics for strength data of fine ceramics
14389	R3205	1999-10		Methods of measuring for specific surface area of fine ceramic powders by gas adsorption using the BET method
14390	R3206	1999-10		Method of test for dielectric properties of fine ceramics at microwave

## Ceramic Industry

CNS no.	Category no.	Date of		Title
		Current edition		
				frequency
14910	R3207	withdrawn		Methods of test for ceramic tiles-Determination of resistance to stains.
14911	R3208	2005-03		Methods of test for specular gloss of ceramic tiles and other like surfaces
15094	R3209	withdrawn		Fine ceramics - Test method for air purification performance of photocatalytic materials - Part 1: Removal of nitric oxide
15094-1	R3209-1	2011-10		Fine ceramics—Test method for air purification performance of photocatalytic materials — Part 1: Removal of nitric oxide
15094-2	R3209-2	2011-10		Fine ceramics — Test method for air purification performance of photocatalytic materials — Part 2: Removal of acetaldehyde
15094-3	R3209-3	2011-10		Fine ceramics - Test method for air purification performance of photocatalytic materials - Part 3: Removal of toluene
15094-4	R3209-4	2011-10		Fine ceramics - Test method for air purification performance of photocatalytic materials - Part 4: Removal of formaldehyde
15094-5	R3209-5	2011-10		Fine ceramics - Test method for air purification performance of photocatalytic materials - Part 5: Removal of methylmercaptan
15377	R3210	2021-03		Fine ceramics – Ultraviolet light source for testing semiconducting photocatalytic materials
15378-1	R3211-1	2010-07		Fine ceramics – Test method for self-cleaning performance of photocatalytic materials - Part 1: Measurement of water contact angle
15378-2	R3211-2	2010-07		Fine ceramics – Test method for self-cleaning performance of photocatalytic materials – Part 2: decomposition of wet methylene blue
15379	R3212	2010-07		Fine ceramics – Test method for water-purification performance of photocatalytic materials by measurement of forming ability of active oxygen
15380	R3213	2010-07		Fine ceramics – Test method for antibacterial activity of photocatalytic products under photoirradiation
15473	R3214	withdrawn		Dimensions and patterns of raised parts of tactile ground surface indicators for blind persons(replace by CNS 15933)
15505	R3215	2011-10		Fine ceramics - Test method for antifungal activity of photocatalytic products under photoirradiation
15546	R3216	withdrawn		Determination of asbestos in building material products(replace by CNS 15546-1 ~ CNS 15546-4)
15546-1	R3216-1	2022-04		Determination of asbestos in building material products – Part 1: Sampling and qualitative determination of asbestos in commercial bulk materials
15546-2	R3216-2	2022-04		Determination of asbestos in building material products – Part 2: Sampling and qualitative analysis for judgement of existence of containing asbestos
15546-3	R3216-3	2022-04		Determination of asbestos in building material products – Part 3: Quantitative analysis of containing asbestos by X-ray diffraction method
15546-4	R3216-4	2022-04		Determination of asbestos in building material products – Part 4: Quantitative determination of asbestos by gravimetric and microscopical methods
15685	R3217	2013-09		Method of test for grain size of coated abrasive microgrits (P240-P2500)
15686	R3218	2013-09		Method of test for bonded abrasive grain size
15933	R3219	2020-05		Assistive products for vision impaired persons – Tactile walking surface indicators
16083-1	R3220-1	2018-12		Viscosity and viscometric fixed points of glass – Part 1: Determination of softening point
16083-2	R3220-2	2019-07		Viscosity and viscometric fixed points of glass – Part 2: Determination of annealing point and strain point by fiber elongation
*	16106	R3221	2019-09	Method of test for slip resistance of pedestrian tiles – Wet pendulum method



CNS no.	Category no.	Date of Current edition	Title
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## Laboratory Apparatus

5473	R4001	withdrawn	Porcelain laboratory apparatus
5479	R4002	withdrawn	Interchangeable conical ground joints for laboratory glassware

**S Domestic Commodities**

		Date of		
CNS no.	Category no.	Current edition	Title	
<b>Domestic Wares</b>				
*	260	S1001	1981-09	Soap (Washing)
	384	S1002	withdrawn	Report Paper
*	437	S1003	1987-09	Box Safety Matches
	439	S1004	withdrawn	Toothpastes
*	549	S1005	1981-09	Toilet Soap
*	552	S1006	2012-02	Pencil,coloured pencils and leads for them
	706	S1007	withdrawn	Vacuum bottles (replaced by CNS 9545)
	722	S1008	withdrawn	Coloured pencil
	724	S1009	1981-09	Salt - Water Soap
	887	S1010	withdrawn	Standard Sizes for Leather Shoes (→CNS 4 8 0 0)
	904	S1011	withdrawn	Office desk
	905	S1012	withdrawn	Revolving chair
	906	S1013	withdrawn	Couch
	924	S1014	withdrawn	Bull-Head Pin (Office Pin) (Tentative)
	925	S1015	withdrawn	Paper Clip (Tentative)
*	964	S1016	2014-04	Dentistry - Manual toothbrushes - General requirements and test methods
	1065	S1017	2012-12	Candles
	1081	S1018	withdrawn	Dimensions for zippers of metallic teeth and cloth strip (→CNS 1 0 8 2)
	1082	S1019	2019-05	Slide fasteners (Zippers)
	1151	S1020	withdrawn	Paper Match (→CNS 4 3 7)
	2267	S1021	withdrawn	Stamp pad ink
	2268	S1022	withdrawn	Cellophane (Regenerated cellulose film)
	2308	S1023	withdrawn	Brushes
*	2404	S1024	withdrawn	Stencil paper for typewriter
*	2407	S1025	1981-09	Potassium Soap
*	2409	S1026	1981-09	Soap Chip
	2446	S1027	2013-07	Plastic tablewares
	2447	S1028	withdrawn	Plastic Cup (→CNS 2 4 4 6)
	2463	S1029	2020-11	Ball point pens and refills
	2464	S1030	withdrawn	Ball Point Pen Refills
*	2477	S1031	2009-03	Synthetic detergents for laundering
	2532	S1032	withdrawn	Liquefied petroleum gas(for household) (→CNS 1 2 9 5 1)
	2545	S1033	2018-12	Rubber band
	2559	S1034	withdrawn	Drawing ink
	2599	S1035	withdrawn	Plastic Spoon (→CNS 2 4 4 6)
	2600	S1036	withdrawn	Plastic Soup Bowl (→CNS 2 4 4 6)
	2601	S1037	withdrawn	Plastic Plate for Food (→CNS 2 4 4 6)
	2630	S1038	1971-07	Distilled Coal Gas (for Household Fuel)
	2636	S1039	withdrawn	Red ink (For writing)
	2649	S1040	withdrawn	Plastic Water Bucket (20 Liters) (Tentative)
	2694	S1041	1983-01	Needles for Household Sewing Machines
	2833	S1042	withdrawn	Office wooden desk
	2834	S1043	withdrawn	Office Desk (Four Drawers)
	2835	S1044	withdrawn	Revolving sofa chairs
	2836	S1045	withdrawn	Sofa chairs for office use
	2837	S1046	withdrawn	Chairs with full back support
	2838	S1047	withdrawn	Arm chairs
	2839	S1048	withdrawn	Chairs , rattan seat , straight back
*	2840	S1049	2007-09	Folding Chairs
	2841	S1050	withdrawn	Chairs , rattan seat , curved back
	2842	S1051	withdrawn	Sofo settees for use
	2843	S1052	withdrawn	One—man sofa chair
	2844	S1053	withdrawn	Long sofo couch

CNS no.	Category no.	Date of		Title
		Current edition		
2845	S1054	withdrawn		One—man rattan chair
2846	S1055	withdrawn		Tea table
2847	S1056	withdrawn		Tea table , square
2848	S1057	withdrawn		Stool, wooden, round
2849	S1058	withdrawn		Stool, wooden, long
2850	S1059	withdrawn		Table , wooden , long
2851	S1060	withdrawn		Dining table
2852	S1061	withdrawn		Dining table square
2853	S1062	withdrawn		Bed , wooden , single
2854	S1063	withdrawn		Bed, wooden, double bunks, single
2855	S1064	withdrawn		Bed side cabinet
2856	S1065	withdrawn		Wardrobe
* 2984	S1066	2011-02		Crayons and oil pastels
* 2996	S1067	withdrawn		Office steel storage cabinets
* 2997	S1068	withdrawn		Office steel lockers
2998	S1069	withdrawn		Steel fire resistive safes
3028	S1070	1983-06		Staples, NO 8
* 3088	S1071	withdrawn		Freight containers for international trade - Terminology
* 3089	S1072	withdrawn		Steel chairs (Office furniture)
3101	S1073	withdrawn		Gas furnace for household (→CNS 1 3 6 0 4)
* 3118	S1074	withdrawn		Office steel filling cabinets
* 3119	S1075	withdrawn		Office steel card cabinets
3283	S1076	withdrawn		Paper bonded crayons
3405	S1077	withdrawn		Hollow plastic wires
* 3460	S1078	withdrawn		Pen for fountain pen
3461	S1079	withdrawn		Wooden bats for baseballs (for junior)
3462	S1080	withdrawn		Hard type baseballs
* 3478	S1081	2009-08		Plastic shoes
3485	S1082	withdrawn		Disinfection Soap
3660	S1083	withdrawn		Liquefied petroleum gas burner ovens (→CNS 1 3 6 0 4)
3735	S1084	2013-11		Table tennis tables
3800	S1085	2008-08		Synthetic detergent for food and kitchen utensil
* 3862	S1086	2016-06		Piano
3863	S1087	withdrawn		Classic guitar
* 3901	S1088	1975-12		Cosmetic Soap
* 4094	S1089	2013-11		Badminton rackets
4154	S1090	withdrawn		Aluminium pail (20 L)
4722	S1091	withdrawn		Dimension for visiting card
* 4799	S1092	withdrawn		Casting moulds size of rubber-soled canvas shoes and wholly rubber shoes
4800	S1093	2023-01		Sizing system for shoes
* 4801	S1094	withdrawn		Standard sizes of lasts for leather shoes
4868	S1095	withdrawn		Rubber slipper
* 4869	S1096	1979-05		Rubber Soles for Shoe-making
4870	S1097	2023-01		High boots
* 4871	S1098	1979-05		Mountaineering Boots with Light Outfit
6527	S1099	withdrawn		Carbonated beverage bottles
* 6630	S1100	2011-05		Fountain pens and nibs
* 6632	S1101	2012-01		Household polyvinyl chloride gloves
6634	S1102	2011-02		Water colour paints
6853	S1103	1996-05		Cigarette Lighter
6854	S1104	withdrawn		Stamp gums
6855	S1105	withdrawn		Plastics bucket
* 6856	S1106	2018-12		Erasers
6857	S1107	withdrawn		ABS travel case (Luggage; suitcase)
6858	S1108	withdrawn		ABS Attache Case
6859	S1109	withdrawn		ABS Beauty Case (Toilet Case)
7071	S1110	withdrawn		Clothes pegs (Single arm, light duty)

Domestic  
Commodities

CNS no.	Category no.	Date of		Title
		Current edition		
7072	S1111	withdrawn		Clothes pegs (Single arm, heavy duty)
7073	S1112	withdrawn		Hanger for clothes pegs
7074	S1113	withdrawn		Curtain hooks
7075	S1114	withdrawn		Towel hooks
7076	S1115	withdrawn		Clothes Pegs (Double arm)
7077	S1116	withdrawn		Key hooks
7078	S1117	withdrawn		Vessel hooks
* 7079	S1118	2020-11		Mechanical pencils
7081	S1119	2008-07		Leads for mechanical pencils
7323	S1120	2017-05		Furniture – Domestic and kitchen storage units and kitchen-worktops – Safety requirements and test methods
7445	S1121	2005-01		Staples
* 7446	S1122	2017-03		Chalks
7447	S1123	1998-08		Spring mattress box type
* 7449	S1124	withdrawn		Beds for domestic use (Replaced by CNS 16115 series)
* 7451	S1125	withdrawn		Nominal dimensions of domestic beds (Replaced by CNS 16115 series)
7751	S1126	withdrawn		Black leads for pencils
7753	S1127	withdrawn		Eraser rubbers
* 7844	S1128	2011-02		Electric and manual pencil sharpeners
7846	S1129	withdrawn		Steel pen nibs
* 7925	S1130	withdrawn		Plastics venetian blind (Horizontal type)
* 7927	S1131	2012-08		Plastics washing basins
8327	S1132	withdrawn		Plastic water canteen
8542	S1133	2017-01		Umbrellas, parasols and sunshades
8544	S1134	withdrawn		Plastic food receptacles with lids for table use
* 8547	S1135	withdrawn		Rubber sponge insole for shoes
8632	S1136	2023-01		Textile shoes
8633	S1137	withdrawn		Plastic Sport Shoes (→CNS 8 6 3 2)
* 8634	S1138	2023-01		Leather casual shoes
* 8635	S1139	1982-10		Rubber Sport Shoes
8739	S1140	withdrawn		Steel buckets
8741	S1141	withdrawn		Steel basins
8743	S1142	withdrawn		Steel hot bag
* 9038	S1143	withdrawn		Sporting rubber balls
9040	S1144	2011-02		Plastics rulers
9443	S1145	2000-05		Stainless steel water tank
9544	S1146	withdrawn		Portable vacuum bottles (replaced by CNS 9545)
9545	S1147	2018-08		Vacuum containers
9546	S1148	withdrawn		Ice jar
9548	S1149	withdrawn		Vacuum bottle refills (replaced by CNS 9545)
* 9550	S1150	1982-10		Tailors Shears
* 9639	S1151	withdrawn		Standard size of writing desks for office
* 9748	S1152	withdrawn		Reinforced sporting inflatable balls
9750	S1153	withdrawn		Golf-balls
* 9754	S1154	1982-12		Rubber Casual Shoes
9915	S1155	withdrawn		Polyvinyl chloride inflatable toys (→CNS 4 7 9 7、4 7 9 7 - 1、4 7 9 7 - 2、4 7 9 7 - 3)
* 10031	S1156	withdrawn		Artist's brushes
10128	S1157	1983-03		Scissors, definitions
10129	S1158	1983-03		Paper Scissors
10130	S1159	1983-03		Household Scissors
10131	S1160	1983-03		Hair scissors (barber shears)
* 10201	S1161	2012-02		Stamp pad
10202	S1162	2012-02		Cinnabar seal-ink pads
10293	S1163	withdrawn		Nylon black waistband with lead for dive
10383	S1164	withdrawn		Rubber eraser for pencil tips
10385	S1165	withdrawn		Pen holder

	Date of			
CNS no.	Category no.	Current edition	Title	
*	10513	S1166	2012-01	Gymnastic equipment - Hanging rings
	10515	S1167	1998-09	Fishing hooks
*	10516	S1168	2021-11	Polyvinyl chloride raincoats
*	10518	S1169	2011-05	Household rubber gloves
	10632	S1170	2023-01	Leather shoes
	10663	S1171	1983-11	Frequency Standards for Musical Instruments
	10664	S1172	withdrawn	Trumpet
	10665	S1173	withdrawn	Clarinet
*	10666	S1174	2007-04	Disposable gas-lighter (for cigarette ignition) - Safety requirements
*	10728	S1175	2012-02	Staplers
	10730	S1176	withdrawn	Coloured leads
	10971	S1177	withdrawn	Disk records (Gramophone use)
	10973	S1178	withdrawn	Cartridge tape records
	10975	S1179	withdrawn	Cassette tape records
	11035	S1180	2016-06	Piano actions
	11213	S1181	withdrawn	Cotton canvas waist belt
	11251	S1182	withdrawn	Diving wet suit (replaced by CNS 11251-1)
	11251-1	S1182-1	2020-10	Diving suits – Part 1: Wet suits – Requirements and test methods
	11251-2	S1182-2	2020-10	Diving suits – Part 2: Dry suits – Requirements and test methods
	11251-3	S1182-3	2020-11	Diving suits – Part 3: Actively heated or cooled suit systems and components – Requirements and test methods
	11312	S1183	2010-05	Marking pens
	11314	S1184	withdrawn	Water base marking pens
	11316	S1185	withdrawn	Electroplated coatings of silver for cutlery, flat-ware and hollow-ware
*	11343	S1186	2019-11	Notebooks and exercisebooks
	11344	S1187	2019-11	Flat files
	11345	S1188	2019-11	Folder and guide
	11346	S1189	2017-11	Report writing papers
	11464	S1190	2011-02	Gymnastic equipment – Horizontal bars – Safety requirements and test methods
	11466	S1191	2011-02	Gymnastic equipment – Parallel bars and combination asymmetric/parallel bars – Requirements and test methods including safety
	11468	S1192	2011-09	Gymnastic equipment-Vaulting and pommel horses/bucks
	11469	S1193	2011-09	Gymnastic equipment – Balancing beams
	11471	S1194	2011-09	Gymnastic equipment – Asymmetric bars
	11473	S1195	withdrawn	Pommelled horses
*	11513	S1196	withdrawn	Stainless steel kettle
*	11610	S1197	2013-11	Tennis rackets
	11673	S1198	2010-03	Glossary of furniture
	11673-1	S1198-1	withdrawn	Glossary of Terms Used in Furniture – Parts
	11673-2	S1198-2	withdrawn	Glossary of Terms Used in Furniture – Style
*	11674	S1199	2011-02	Domestic furniture – Student desks
*	11675	S1200	2011-02	Domestic furniture – Student chairs
*	11676	S1201	2019-11	Children's cots and folding cots for domestic use
	11768	S1202	withdrawn	Key-locked safes
	11769	S1203	withdrawn	Burglary resistant safes
	11770	S1204	withdrawn	Burglary resistant vault doors and modular panels
	11811	S1205	withdrawn	Magnifier, round reading glass
	12035	S1206	2020-11	Writing boards for educational institutions – Ergonomic, technical and safety requirements and their test methods
	12037	S1207	withdrawn	Grinding finished chalkboards
	12038	S1208	withdrawn	Porcelain-enameled and baking finished chalkboards
	12039	S1209	withdrawn	Surface material for porcelain enamel chalkboards
*	12216	S1210	1988-07	Facial Cotton
*	12323	S1211	withdrawn	Stainless steel thermal cup
*	12324	S1212	2015-01	Stainless steel lunch box
*	12325	S1213	withdrawn	Metal food container

Domestic  
Commodities

		Date of		
CNS no.	Category no.	Current edition	Title	
*	12497	S1214	2020-12	Diving equipment – Diving mask
	12499	S1215	withdrawn	Racketball rackets
	12501	S1216	withdrawn	Squash rackets
*	12574	S1217	2016-10	Pressure cookers for domestic use (Amendment 1)
	12593	S1218	2022-04	Portable cooling boxes
	12689	S1219	2017-08	Camping tents
*	12789	S1220	2012-08	Roller sports equipment—Roller skates
	12791	S1221	withdrawn	Expander
*	12828	S1222	1990-12	Trampoline for Home Use
*	12829	S1223	withdrawn	Gymnastic equipment – Landing mats
	12829-1	S1223-1	2021-04	Sports mats – Part 1: Gymnastic mats, safety requirements
	12829-2	S1223-2	2021-04	Sports mats – Part 2: Pole vault and high jump mats, safety requirements
	12829-3	S1223-3	2021-04	Sports mats – Part 3: Judo mats, safety requirements
	12829-4	S1223-4	2021-04	Sports mats – Part 4: Determination of shock absorption
	12829-5	S1223-5	2021-07	Sports mats – Part 5: Determination of the base friction
	12829-6	S1223-6	2021-07	Sports mats – Part 6: Determination of the top friction
	12829-7	S1223-7	2021-07	Sports mats – Part 7: Determination of static stiffness
*	12870	S1224	2017-05	Roller sports equipment – Skateboards
*	12940	S1225	withdrawn	Strollers and carriages(replaced by CNS 12940-1)
	12940-1	S1225-1	2022-10	Child use and care articles – Wheeled child conveyances – Part 1: Pushchairs and prams
	12940-2	S1225-2	2022-10	Child use and care articles – Wheeled child conveyances – Part 2: Pushchairs for children above 15 kg up to 22 kg
*	12987	S1226	2013-07	Disposable plastics refuse sacks
*	12988	S1227	withdrawn	Standard size of chairs for office
*	12989	S1228	2013-09	Castors for office chairs
*	12990	S1229	2017-04	Cribs and cradles for domestic use
*	13035	S1230	2019-01	Child use and care articles – Baby walking frames
	13357	S1231	1994-03	Net Support System for Volley Ball
*	13549	S1232	1995-06	Safety Standard of Metal Bat
	13550	S1233	1995-06	Glossary of Terms for Golf (Clubs)
	13602	S1234	2019-12	General construction of gas burning appliances for domestic use
*	13603	S1235	2016-10	Gas burning water heaters for domestic use
	13604	S1236	2017-12	Gas burning cooking appliances for domestic use
	14430	S1237	2011-07	Furniture - Desks and chairs for general classroom
*	14614	S1238	2022-03	Eye and face protection for sports use – Part 3: Requirements and test methods for eyewear intended to be used for surface swimming
*	14620	S1239	2018-07	Roller sports equipment – Inline-skates
	14933	S1240	2006-04	Drinking water treatment units - Aesthetic effects
*	14976	S1241	2019-03	Safety requirements for bicycles for young children
*	15017	S1242	2018-12	Child use and care articles – Children's high chairs
	15047	S1243	2019-10	Joss sticks
	15095	S1244	2019-10	Joss Papers
	15127	S1245	2007-09	Methods of test for the concentration of gases produced by burning of joss sticks
*	15128	S1246	2007-09	Disposable sanitary chopsticks
	15169	S1247	2007-12	Method of test for the concentration of polynuclear aromatic hydrocarbons (PAHs) as burning of joss sticks
*	15185	S1248	2019-05	Folding tables
	15415	S1249	2020-12	Gymnastic equipment – General safety requirements and test methods
	15242	S1250	2009-01	Disposable body warmers
	15420	S1251	2012-03	Office furniture – Desks and tables
	15421	S1252	2012-03	Office furniture – Chairs
	15422	S1253	2012-03	Office furniture – Storage cabinets
	15439	S1254	2020-11	Gel ink ball pens and refills
	15440	S1255	2020-11	Roller ball pens and refills

CNS no.	Category no.	Date of		Title
		Current edition		
15441	S1256	2017-03		Correction fluids
15442	S1257	2016-09		Writing and marking instruments – Specification for caps to reduce the risk of asphyxiation
15480	S1258	2011-05		Plastic foams for cleaning and erasing-2,4,6-triamino-1,3,5-triazine (Melamine ) foam-Safety requirements
*	15493	S1259	2015-04	Safety requirements of plastic puzzle ground mat
	15525	S1260	2012-01	Gymnastic equipment-Vaulting boxes
	15526	S1261	2012-01	Glues
	15527	S1262	2018-07	General safety requirements for stationery
	15528	S1263	2012-01	Plastic drinking straw
	15539	S1264	2012-02	Gymnastic equipment-Wall bars and lattice ladders
	15540	S1265	2012-02	Gymnastic equipment-Trampolines
	15541	S1266	2017-06	Roller sports equipment – Kick scooters
	15556	S1267	2012-08	Pedometer
	15562-1	S1268-1	2018-10	Stationary training equipment – Part 1: General safety requirements and test methods
	15562-2	S1268-2	2012-10	Stationary training equipment -- Part 2: Strength training equipment, additional specific safety requirements and test methods
	15562-4	S1268-4	2018-10	Stationary training equipment – Part 4: Strength training benches, additional specific safety requirements and test methods
	15562-5	S1268-5	2018-10	Stationary training equipment – Part 5: Stationary exercise bicycles and upper body crank training equipment, additional specific safety requirements and test methods
	15562-6	S1268-6	2012-10	Stationary training equipment -- Part 6: Treadmills, additional specific safety requirements and test methods
	15562-7	S1268-7	2012-10	Stationary training equipment -- Part 7: Rowing machines, additional specific safety requirements and test methods
	15562-8	S1268-8	2019-05	Stationary training equipment – Part 8: Steppers, stairclimbers and climbers, additional specific safety requirements and test methods
	15562-9	S1268-9	2019-05	Stationary training equipment – Part 9: Elliptical trainers, additional specific safety requirements and test methods
	15562-10	S1268-10	2019-05	Stationary training equipment – Part 10: Exercise bicycles with a fixed wheel or without freewheel, additional specific safety requirements and test methods
	15623	S1269	2012-11	Paragliding equipment – Emergency parachutes – Safety requirements and test methods
	15624	S1270	2012-11	Paragliding equipment – Harnesses – Safety requirements and strength tests
	15625-1	S1271-1	2012-11	Paragliding equipment –Paragliders – Part 1: Requirements and test methods for structural strength
	15625-2	S1271-2	2012-11	Paragliding equipment –Paragliders – Part 2: Requirements and test methods for classifying flight safety characteristics
	15679	S1272	2013-09	Shelves and racks
	15720	S1273	2019-09	Mat
	15757	S1274	2014-10	Surface active agents - Vocabulary
*	15911	S1275	2017-09	Child use and care articles – Children's bedguards for domestic use
	15973	S1276	2017-09	Child use and care articles – Infant swings
	15978	S1277	2017-06	Child use and care articles – Child seats for cycles
	15982	S1278	2017-07	Child use and care articles – Reclined cradles
	15987	S1279	2017-09	Child use and care articles – Changing units for domestic use
	16004	S1280	2017-10	Child use and care articles – Playpens for domestic use
	16005	S1281	2017-10	Child use and care articles – Safety barriers
	16006-1	S1282-1	2017-10	Child use and care articles – Baby carriers – Part 1: Framed back carriers
*	16006-2	S1282-2	2021-11	Child use and care articles – Baby carriers – Part 2: Soft carriers
*	16007	S1283	2017-10	Child use and care articles – Chair mounted seat
	16008	S1284	2017-10	Child use and care articles – Baby bouncers
	16009-1	S1285-1	2017-10	Ladders – Part 1: Terms, types and functional sizes

Domestic  
Commodities

CNS no.	Category no.	Date of		Title
		Current edition		
16009-2	S1285-2	2017-10		Ladders – Part 2: Requirements, testing and marking
16009-3	S1285-3	2017-10		Ladders – Part 3: User instructions
16009-4	S1285-4	2017-10		Ladders – Part 4: Single or multiple hinge-joint ladders
16009-6	S1285-6	2017-11		Ladders – Part 6: Telescopic ladders
16009-7	S1285-7	2017-11		Ladders – Part 7: Mobile ladders with platform
16024	S1286	2021-04		Child use and care articles – Infant bath seats
16025	S1287	2017-12		Child use and care articles – Infant bath tubs
16031-1	S1288-1	2018-03		Outdoor furniture – Seating and tables for camping, domestic and contract use – Part 1: General safety requirements
16031-2	S1288-2	2018-03		Outdoor furniture – Seating and tables for camping, domestic and contract use – Part 2: Mechanical safety requirements and test methods for seating
16031-3	S1288-3	2018-03		Outdoor furniture – Seating and tables for camping, domestic and contract use – Part 3: Mechanical safety requirements and test methods for tables
16032	S1289	2018-04		Footwear – Performance requirements for components for footwear – Stiffeners and toepuffs
16033	S1290	2018-04		Footwear – Performance requirements for components for footwear – Shanks
16034	S1291	2018-04		Footwear – Performance requirements for components for footwear – Lining and insoles
16035	S1292	2018-04		Footwear – Performance requirements for components for footwear – Insoles
19952	S1293	2018-04		Footwear – Vocabulary
16037	S1294	2018-05		Footwear – Performance requirements for components for footwear – Outsoles
16038	S1295	2018-05		Footwear – Performance requirements for components for footwear – Uppers
16039	S1296	2018-05		Footwear – Performance requirements for components for footwear – Heels and top pieces
16040	S1297	2018-05		Footwear – Performance requirements for components for footwear – Accessories
16041	S1298	2018-06		Child use and care articles – Soother holder
16042	S1299	2018-06		Child use and care articles – Children’s harnesses, reins and similar type articles
16043	S1300	2018-06		Child use and care articles – Children’s beds for domestic use
16044	S1301	2018-06		Child use and care articles – Bedside sleepers
16045	S1302	2018-06		Child use and care articles – Children’s chairs and stools
* 16046	S1303	2018-06		Child use and care articles – Table mounted chairs
* 16083	S1304	2018-12		Child use and care articles – Carry cots and stands
16095	S1305	2019-05		Child use and care articles – Diaper changing tables for public use
16116	S1306	2019-11		Mattresses for cots and cribs
16171	S1307	2022-08		Internal blinds – Performance requirements including safety
16172	S1308	2022-08		Internal blinds – Protection from strangulation hazards – Test methods
16173	S1309	2022-08		Internal blinds – Protection from strangulation hazards – Requirements and test methods for safety devices
16183	S1310	2023-01		Emission safety of combustible air fresheners – Test methods
16184	S1311	2023-01		Emission safety of combustible air fresheners – Methodology for the assessment of test results and application of recommended emission limits
16185	S1312	2023-01		Emission safety of combustible air fresheners – User safety information

## Testing and Inspection

56	S2001	2014-10	Methods of test for soaps
57	S2002	withdrawn	Testing standard for blue inks
438	S2003	1987-09	Method of Test for Box Safety Matches



				Date of
CNS no.	Category no.	Current edition	Title	
440	S2004	withdrawn	Method of Test for Tooth Paste (→CNS 4 3 9)	
553	S2005	withdrawn	Method of Test for Pencils	
723	S2006	withdrawn	Method of test coloured pencil	
740	S2007	withdrawn	Testing standard for rain coat clothes	
741	S2008	withdrawn	Inspecting Standard of Rubbersv (→CNS 4 8 7 0)	
*	742	S2009	1982-10	Method of Test for Sport Shoes
	743	S2010	withdrawn	Testing Standard for High top, Canvas Sport Shoes (→CNS 7 4 2)
*	763	S2011	withdrawn	Method of test for stencil papers
	805	S2012	withdrawn	Inspection Standard for Electric Flat Irons (→CNS 4 7 7 8)
*	885	S2013	withdrawn	Method of test for carbon papers for pencil and typewriting
	888	S2014	withdrawn	Testing Standard for Leather Boots (Tentative) (→CNS 1 0 6 3 2)
	954	S2015	withdrawn	White Chalks Made of Calcium Carbonate (→CNS 7 4 4 6)
	965	S2016	withdrawn	Method of test for eraser rubbers
	1066	S2017	withdrawn	Method of Test for Wax Candle
	1079	S2018	withdrawn	Testing Standard for Bull-Head Pin
	1080	S2019	withdrawn	Method of test for paper clips
	1083	S2020	withdrawn	Method of test for slide fasteners (→CNS 1 0 8 2)
	1152	S2021	withdrawn	Method of Test for Paper Match (→CNS 4 3 8)
	2560	S2022	withdrawn	Method of Test for Drawing Inks
	2995	S2023	withdrawn	Method of test for stamp pad
*	4095	S2024	withdrawn	Method of test for badminton rackets
	5630	S2025	withdrawn	Method of Test for Ping Pong Rackets
	5631	S2026	withdrawn	Method of Test for Tennis Nets
	5632	S2027	withdrawn	Method of Test for Badminton Nets
	5633	S2028	withdrawn	Method of test for basketball nets
	5634	S2029	withdrawn	Method of Test for Volleyball Nets
	5635	S2030	withdrawn	Method of Test for Football Nets
	6261	S2031	withdrawn	Method of test for basket for bicycles & motor-cycles
	6262	S2032	withdrawn	Method of test for cradles
*	6263	S2033	withdrawn	Method of test for strollers and carriages (Torque test)(replaced by CNS 12940-1)
*	6263-1	S2033-1	withdrawn	Method of test for strollers and carriages (Tension test)(replaced by CNS 12940-1)
*	6263-2	S2033-2	withdrawn	Method of test for strollers and carriages (Loading)(replaced by CNS 12940-1)
*	6263-3	S2033-3	withdrawn	Method of test for strollers and carriages (Determination of efficiency of parking devices)(replaced by CNS 12940-1)
*	6263-4	S2033-4	withdrawn	Method of test for strollers and carriages (Wheel movement of parking devices)(replaced by CNS 12940-1)
*	6263-5	S2033-5	withdrawn	Method of test for strollers and carriages (Test for durability of parking devices)(replaced by CNS 12940-1)
*	6263-6	S2033-6	withdrawn	Method of test for strollers and carriages (Test for safety restraints) (replaced by CNS 12940-1)
*	6263-7	S2033-7	withdrawn	Method of test for strollers and carriages (Test for stability)(replaced by CNS 12940-1)
*	6263-8	S2033-8	withdrawn	Method of test for strollers and carriages (Test for security of wheel) (replaced by CNS 12940-1)
*	6263-9	S2033-9	withdrawn	Method of test for strollers and carriages (Test for locking devices) (replaced by CNS 12940-1)
*	6263-10	S2033-10	withdrawn	Method of test for strollers and carriages (Test for static durability) (replaced by CNS 12940-1)
*	6263-11	S2033-11	withdrawn	Method of test for strollers and carriages (Test for dynamic durability) (replaced by CNS 12940-1)
*	6263-12	S2033-12	withdrawn	Method of test for strollers and carriages (Test for kerb mounting durability)(replaced by CNS 12940-1)
	6264	S2034	withdrawn	Method of test for safety of baby (infant) walkers (→CNS 13035)

Domestic  
Commodities

		Date of	
CNS no.	Category no.	Current edition	Title
6265	S2035	withdrawn	Method of test for soup ladle for kitchen
6266	S2036	withdrawn	Method of test for razor
6267	S2037	withdrawn	Method of test for chopper and knife for kitchen
6268	S2038	withdrawn	Method of test for oil stone for sharpening knives
6269	S2039	withdrawn	Method of test for umbrellas, parasols and sunshades
6270	S2040	withdrawn	Method of test for steel folding bed
6271	S2041	withdrawn	Method of test for electric hair-clipper
6528	S2042	withdrawn	Method of measurement of glass thickness for carbonated beverage bottles
6529	S2043	withdrawn	Method of internal pressure test for carbonated beverage bottles
6530	S2044	withdrawn	Method of impact test for carbonated beverage bottles
6531	S2045	withdrawn	Method of thermal shock test for carbonated beverage bottles
6631	S2046	withdrawn	Method of test for fountain pen
* 6633	S2047	withdrawn	Method of test for household polyvinyl chloride gloves
* 6635	S2048	withdrawn	Method of for water colour pairs
7080	S2049	withdrawn	Method of Test for Sharp Pencils
7082	S2050	withdrawn	Method of Test of Leads for Sharp Pencil
7444	S2051	withdrawn	Method of test for kitchen equipments
7448	S2052	withdrawn	Method of test for bed spring box type
* 7450	S2053	withdrawn	Method of test for beds for domestic use (Replaced by CNS 16115 series)
7752	S2054	withdrawn	Method of test for black leads for pencils
7845	S2055	withdrawn	Method of test for pencil sharpeners
7847	S2056	withdrawn	Method test of steel pen nibs
* 7926	S2057	withdrawn	Method of test for polyvinyl chloride venetain blind (horizontal type)
* 7928	S2058	withdrawn	Method of test for plastic washing basins
8158	S2059	withdrawn	Method of Test for ABS Travel Case (Luggage; Suitcase)
8159	S2060	withdrawn	Method of Test for ABS Attache Case
8160	S2061	withdrawn	Method of Test for Beauty Case (Toilet Case)
8161	S2062	withdrawn	Method of test for essential oil content in perfume (For cosmetic)
8162	S2063	withdrawn	Method of test for methanol and ethanol content in perfume (for cosmetic)
8163	S2064	withdrawn	Method of Test for Ball Point Pen Refills
8328	S2065	withdrawn	Method of test for plastic water canteen
8543	S2066	withdrawn	Method of test for writing chalks
8545	S2067	withdrawn	Method of test for plastic food receptacles with lids for table use
8546	S2068	withdrawn	Method of test for plastics table ware
* 8548	S2069	withdrawn	Method of test for rubber sponge insole for shoes
8740	S2070	withdrawn	Method of test for steel buckets
8742	S2071	withdrawn	Method of test for steel basins
8744	S2072	withdrawn	Method of test for steel hot water bag
9036	S2073	1982-06	Methods of Hygienic Test for Cosmetics - pH Value, Acidity and Alkalinity
9037	S2074	withdrawn	Methods of hygienic test for cosmetics – Liquefied gases used as aerosol propellants
* 9039	S2075	withdrawn	Method of test for sporting rubber balls
9041	S2076	withdrawn	Method of test for plastics rulers
9189	S2077	withdrawn	Methods of hygienic test for cosmetics organic coloring materials – Products with multiple coal-tar colors
9190	S2078	withdrawn	Methods of hygienic test for cosmetics organic coloring materials – Products containing liquid oils
9191	S2079	withdrawn	Methods of hygienic test for cosmetics organic coloring materials – Solid or semi-solid products containing waxes
9440	S2080	withdrawn	Methods of hygienic test for cosmetics – Boric acid and borate
9441	S2081	withdrawn	Methods of hygienic test for cosmetics – Halophenol germicide
9442	S2082	withdrawn	Methods of hygienic test for cosmetics – Homosulfamine
9444	S2083	withdrawn	Method of Test for Stainless Steel Water Tank (→ C N S 9 4 4 3 )

		Date of		
CNS no.	Category no.	Current edition	Title	
9538	S2084	withdrawn	Method of test for free formaldehyde in cosmetics	
9539	S2085	withdrawn	Methods of hygienic test for cosmetics – Thioglycolic acid and its salts	
9540	S2086	withdrawn	Methods of hygienic test for cosmetics – Estrogenic hormones	
9541	S2087	withdrawn	Methods of hygienic test for cosmetics – Arsenic	
9542	S2088	withdrawn	Methods of hygienic test for cosmetics – Fluorides	
9543	S2089	withdrawn	Methods of hygienic test for cosmetics – Cadmium	
9547	S2090	withdrawn	Method of test for vacuum bottles (replaced by CNS 9545)	
9549	S2091	withdrawn	Method of test for vacuum bottle refills (replaced by CNS 9545)	
*	9749	S2092	withdrawn	Method of test for reinforced sporting inflatable balls
	9751	S2093	withdrawn	Method of test for golf-balls
	9752	S2094	withdrawn	Methods of hygienic test for cosmetics – Methanol
	9753	S2095	withdrawn	Methods of hygienic test for cosmetics – Bergapten
	9913	S2096	withdrawn	Methods of hygienic test for cosmetics – Lecithin
	9914	S2097	withdrawn	Methods of hygienic test for cosmetics – Ethyl p -aminobenzoate and ethyl o-aminobenzoate
	9916	S2098	withdrawn	Method of test for polyvinyl chloride inflatable toys (→ CNS 4797、4797-1、4797-2、4797-3)
	10032	S2099	withdrawn	Method of test for artist's brushes
	10203	S2100	withdrawn	Method of test for seal ink
	10294	S2101	withdrawn	Method of test for nylon black waistband with lead for dive
	10380	S2102	withdrawn	Method of hygienic test for cosmetics – Chromium
	10381	S2103	withdrawn	Method of hygienic test for cosmetics – Bismuth salts
	10382	S2104	withdrawn	Method of hygienic test for cosmetics – Lead
	10384	S2105	withdrawn	Method of test for rubber eraser for pencil tips
	10386	S2106	withdrawn	Method of test for pen holder
	10387	S2107	withdrawn	Method of test for rubber band for packaging(被CNS 2545取代)
	10514	S2108	withdrawn	Method of test for hanging rings
*	10517	S2109	withdrawn	Method of test for polyvinyl chloride raincoats
*	10519	S2110	withdrawn	Method of test for household rubber gloves
	10633	S2111	withdrawn	Method of test for lead, arsenic and alkal content extracted from carbonated beverage bottles
	10729	S2112	withdrawn	Method of test for staples
	10731	S2113	withdrawn	Method of test for coloured leads
	10762	S2114	withdrawn	Methods of hygienic test for cosmetics – Mercury
	10894	S2115	2021-11	General rule for test method of furniture
	10972	S2116	withdrawn	Method of test for disk records (Gramophone use)
	10974	S2117	withdrawn	Method of test for cartridge tape records
	10976	S2118	withdrawn	Method of test for cassette tape records
	11034	S2119	withdrawn	Method of test for piano
	11036	S2120	withdrawn	Method of test for piano actions
	11313	S2121	withdrawn	Method of test for oil base marking pens
	11315	S2122	withdrawn	Method of test for water base marking pens
	11465	S2123	withdrawn	Method of test for horizontal bars
	11467	S2124	withdrawn	Method of test for parallel bars
	11470	S2125	withdrawn	Method of test for balancing beams
	11472	S2126	withdrawn	Method of test for uneven parallel
*	11611	S2127	withdrawn	Method of test for tennis racket
*	11677	S2128	2019-09	Furniture – Safety requirements and test methods for hazardous substance of furniture surface
*	11678	S2129	2023-01	Hardware for furniture – Strength and durability of extension elements and their components
*	11679	S2130	withdrawn	Method of test for vertical load of furniture
*	11680	S2131	withdrawn	Method of test for horizontal load of furniture
*	11681	S2132	withdrawn	Method of test for eccentric load of furniture
*	11682	S2133	withdrawn	Method of test for vertical fatigue load of furniture
*	11683	S2134	withdrawn	Method of test for horizontal fatigue load of furniture
*	11684	S2135	withdrawn	Method of test for adhesion of furniture coatings

Domestic  
Commodities

		Date of		
CNS no.	Category no.	Current edition	Title	
*	11685	S2136	withdrawn	Method of test for antirust property of furniture coatings
	11821	S2137	withdrawn	Method of test for baby beds (→CNS 11676)
	12036	S2138	withdrawn	Method of test for chalkboards
	12052	S2139	withdrawn	Method of test for metal water canteen
	12217	S2140	1988-07	Method of Test for Facial Cotton
*	12498	S2141	withdrawn	Method of test for diving mask(replaced by CNS 12497)
	12500	S2142	withdrawn	Method of test for racketball rackets
	12502	S2143	withdrawn	Method of test for squash rackets
	12594	S2144	withdrawn	Method of test for portable coolers
*	12690	S2145	withdrawn	Method of test for tent : Testing for bending resistance of the framework (replaced by CNS 12689)
	12691	S2146	withdrawn	Method of test for tent : Testing for resistance against corrosion (replaced by CNS 12689)
	12692	S2147	withdrawn	Method of test for tent – Flammability of flooring material (replaced by CNS 12689)
	12693	S2148	withdrawn	Method of test for tent – Flammability of wall and top material (replaced by CNS 12689)
*	12790	S2149	withdrawn	Method of test for rollerskates
	12792	S2150	withdrawn	Method of test for expander
*	12830	S2151	withdrawn	Method of test for landing mats
*	12871	S2152	withdrawn	Method of test for skateboards
	13596	S2153	withdrawn	Method of test for crayons and oil pastels
*	13605	S2154	2011-03	Method of test for gas burning appliances of domestic use
	15302	S2155	2009-11	Furniture - Method of test for assessment of surface resistance to ordinary temperature liquids
	15303	S2156	2022-10	Furniture - Tests for surface finishes - Assessment of resistance to wet heat
	15304	S2157	2022-10	Furniture - Tests for surface finishes - Assessment of resistance to dry heat
*	15331	S2158	2021-11	Evaluation criteria for bags, cases and trunks
	15334	S2159	2010-03	Furniture - Method of test for assessment of surface resistance to impact
	15335	S2160	2010-01	Furniture - Method for determination of stability of tables
	15336	S2161	2010-03	Furniture - Method of determination for strength and durability of table
	15337	S2162	2010-01	Furniture - Method for determination of stability of upright chairs and stools
	15338	S2163	2010-01	Furniture - Method for determination of strength and durability of chairs and stools
	15339	S2164	2010-03	Furniture - Chairs with tilting or reclining mechanisms when fully reclined, and rocking chairs - Determination of stability
	15340	S2165	2010-03	Office furniture - Methods of test for stability, strength and durability of tables and desks
	15341	S2166	2010-03	Office furniture - Methods of test for stability, strength and durability of office work chairs
	15342	S2167	2023-01	Furniture – Storage units – Test methods for the determination of stability
	15343	S2168	2012-03	Furniture – Method of test for strength and durability of storage units
	15416-1	S2169-1	2011-02	Furniture – Assessment of ignitability of upholstered furniture – Part 1: Ignition source: smouldering cigarette
	15416-2	S2169-2	2011-02	Furniture – Assessment of ignitability of upholstered furniture – Part 2: Ignition source : match-flame equivalent
	15417	S2170	2011-02	Test methods of vibration and earthquake tumbling for furniture
	15418-1	S2171-1	2011-02	Bunk beds for domestic use – Safety requirements and tests – Part 1: Safety requirements
	15418-2	S2171-2	2011-02	Bunk beds for domestic use – Safety requirements and tests – Part 2: Test methods

CNS no.	Category no.	Date of		Title
		Current edition		
15419-1	S2172-1	2011-02		Foldaway beds – Safety requirements and tests – Part 1: Safety requirements
15419-2	S2172-2	2011-02		Foldaway beds – Safety requirements and tests – Part 2: Test methods
22716	S2173	2013-11		Cosmetics - Good Manufacturing Practices (GMP) - Guidelines on Good Manufacturing Practices
15760-1	S2174-1	2014-10		Footwear - General test methods - Part 1 : Standard atmospheres for conditioning and testing of footwear and components for footwear
15760-2	S2174-2	2014-10		Footwear - General test methods - Part 2 : Sampling location, preparation and duration of conditioning of samples and test pieces
15760-3	S2174-3	2014-10		Footwear - General test methods - Part 3 : Ageing conditioning
15761-1	S2175-1	2014-10		Footwear - Test methods for whole shoe - Part 1 : Upper sole adhesion
15762-1	S2176-1	2014-10		Footwear - Test methods for uppers - Part 1 : Tear strength of uppers, linings and insoles
15762-2	S2176-2	2014-10		Footwear - Test methods for uppers - Part 2 : Flex resistance of uppers and linings
15762-3	S2176-3	2014-10		Footwear - Test methods for uppers - Part 3 : Colour fastness to rubbing of uppers, linings and insoles
15762-4	S2176-4	2014-10		Footwear - Test methods for uppers - Part 4 : Tensile strength and elongation of uppers
15762-5	S2176-5	2014-10		Footwear - Test methods for uppers - Part 5 : Thermal insulation of uppers, linings and insoles
15762-6	S2176-6	2014-10		Footwear - Test methods for uppers - Part 6 : Abrasion resistance of uppers, linings and insoles
15762-7	S2176-7	2014-10		Footwear - Test methods for uppers - Part 7 : High temperature behaviour of uppers
15762-8	S2176-8	2014-10		Footwear - Test methods for uppers - Part 8 : Water resistance of uppers
15762-9	S2176-9	2014-10		Footwear - Test methods for uppers - Part 9 : Colour migration of uppers, linings and insoles
15762-10	S2176-10	2014-10		Footwear - Test methods for uppers - Part : 10 Water vapour permeability and absorption of uppers and linings
15762-11	S2176-11	2014-10		Footwear - Test methods for uppers - Part 11 : Delamination resistance of uppers
15762-12	S2176-12	2014-10		Footwear - Test methods for uppers - Part 12 : Seam strength of uppers, linings and insoles
15762-13	S2176-13	2014-10		Footwear - Test methods for uppers - Part 13 : Deformability of uppers
15762-14	S2176-14	2014-10		Footwear - Test methods for uppers - Part 14 : Resistance to damage on lasting of uppers
15763-1	S2177-1	2014-10		Footwear - Test methods for outsoles - Part 1 : Flex resistance of outsoles
15763-2	S2177-2	2014-10		Footwear - Test methods for outsoles - Part 2 : Abrasion resistance of outsoles
15763-3	S2177-3	2014-10		Footwear - Test methods for outsoles - Part 3 : Tear strength of outsoles
15763-4	S2177-4	2014-10		Footwear - Test methods for outsoles - Part 4 : Tensile strength and elongation of outsoles
15763-5	S2177-5	2014-10		Footwear - Test methods for outsoles - Part 5 : Determination of split tear strength and delamination resistance of outsoles
15763-6	S2177-6	2014-10		Footwear - Test methods for outsoles - Part 6 : Needle tear strength of outsoles
15763-7	S2177-7	2014-10		Footwear - Test methods for outsoles - Part 7 : Dimensional stability of outsoles
15763-8	S2177-8	2014-10		Footwear - Test methods for outsoles - Part 8 : Water soluble content of outsoles, insoles, linings and insoles

CNS no.	Category no.	Date of		Title
		Current edition		
15763-9	S2177-9	2014-10		Footwear - Test methods for outsoles - Part 9 : Compression energy of outsoles
15764-1	S2178-1	2014-10		Footwear - Test methods for insoles - Part 1 : Perspiration resistance of insoles, lining and insocks
15764-2	S2178-2	2014-10		Footwear - Test methods for insoles - Part 2 : Dimensional stability of insoles
15764-3	S2178-3	2014-10		Footwear - Test methods for insoles - Part 3 : Water absorption and desorption of insoles and insocks
15764-4	S2178-4	2014-10		Footwear - Test methods for insoles - Part 4 : Resistance to stitch tear of insoles
15764-5	S2178-5	2014-10		Footwear - Test methods for insoles - Part 5 : Abrasion resistance of insoles
15764-6	S2178-6	2014-10		Footwear - Test methods for insoles - Part 6 : Heel pin holding strength of insoles
15764-7	S2178-7	2014-10		Footwear - Test methods for insoles - Part 7 : Delamination resistance of insoles
15765-1	S2179-1	2014-10		Footwear - Test methods for linings - Part 1 : Static friction of linings and insocks
15853-1	S2180-1	2015-10		Footwear - Critical substances potentially present in footwear and footwear components - Part 1: Determination of organotin compounds in footwear materials
15853-2	S2180-2	2015-10		Footwear - Critical substances potentially present in footwear and footwear components - Part 2 : Determination of phthalates in footwear materials
15853-3	S2180-3	2015-10		Footwear - Critical substances potentially present in footwear and footwear components - Part 3: Test method to quantitatively determine dimethyl fumarate (DMFU) in footwear materials
15853-4	S2180-4	2015-10		Footwear - Critical substances potentially present in footwear and footwear components - Part 4: Test method to quantitatively determine dimethylformamide (DMFo) in footwear materials
15853-5	S2180-5	2015-10		Footwear - Critical substances potentially present in footwear and footwear components - Part 5: Test method to quantitatively determine polycyclic aromatic hydrocarbons (PAH) in footwear
15853-6	S2180-6	2018-12		Footwear – Critical substances potentially present in footwear and footwear components – Part 6: Determination of phenol in footwear materials
19953	S2181	2019-09		Footwear–Test methods for heels–Resistance to lateral impact
19956	S2182	2019-09		Footwear–Test methods for heels–Fatigue resistance
19957	S2183	2019-09		Footwear–Test methods for heels–Heel pin holding strength
19958	S2184	2019-09		Footwear–Test methods for heels and top pieces–Top piece retention strength
16115-1	S2185-1	2019-11		Domestic furniture – Beds and mattresses – Part 1: Methods of measurement and tolerances
16115-2	S2185-2	2019-11		Domestic furniture – Beds and mattresses – Part 2: Safety requirements and test methods
16115-3	S2185-3	2019-11		Domestic furniture – Beds and mattresses – Part 3: Test methods for the determination of functional characteristics and assessment criteria
22774	S2186	2020-06		Footwear – Test methods for accessories: shoe laces – Abrasion resistance
22775	S2187	2020-06		Footwear – Test methods for accessories: Metallic accessories – Corrosion resistance
18895	S2188	2021-10		Footwear – Test methods for shanks – Fatigue resistance
18896	S2189	2021-10		Footwear – Test methods for shanks – Longitudinal stiffness
22776	S2190	2021-10		Footwear – Test methods for accessories: Touch and close fasteners – Shear strength before and after repeated closing
22777	S2191	2021-10		Footwear – Test methods for accessories: Touch and close fasteners – Peel strength before and after repeated closing

CNS no.	Category no.	Date of		Title
		Current edition		
20863	S2192	2021-11		Footwear – Test methods for stiffeners and toepuffs – Bondability
20864	S2193	2021-11		Footwear – Test methods for stiffeners and toepuffs – Mechanical characteristics
16186	S2194	2023-01		Footwear – Determination of coefficient of friction for footwear and sole components – Test method

## Accessible design

15550	S3001	2012-07		Guidelines for standards developers to address the needs of older persons and persons with disabilities
15551-1	S3002-1	2012-07		Ergonomics-Accessible design-Auditory signals for consumer products
15551-2	S3002-2	2012-07		Ergonomics-Accessible design -- Sound pressure levels of auditory signals for consumer products
15551-3	S3002-3	2012-07		Ergonomics – Accessible design – Specification of age-related luminance contrast for coloured light
15551-4	S3002-4	2012-07		Ergonomics-Accessible design-Tactile dots and bars on consumer products
15552	S3003	2012-07		Packaging-Accessible design-General requirements
15626-1	S3004-1	2012-11		Ergonomic principles related to mental workload - Part 1: General terms and definitions
15626-2	S3004-2	2012-11		Ergonomic principles related to mental workload - Part 2: Design principles
15626-3	S3004-3	2012-11		Ergonomic principles related to mental workload - Part 3: Principles and requirements concerning methods for measuring and assessing mental workload
15627-1	S3005-1	2012-11		Ease of operation of everyday products - Part 1: Design requirements for context of use and user characteristics
15627-2	S3005-2	2012-11		Ease of operation of everyday products - Part 2: Test method for walk - up - and - use products
15627-3	S3005-3	2012-11		Ease of operation of everyday products - Part 3: Test method for consumer products
15627-4	S3005-4	2012-11		Ease of operation of everyday products - Part 4: Test method for the installation of consumer products
15688	S3006	2013-10		Packaging - Braille on packaging for medicinal products
15689	S3007	2013-10		Packaging - Tactile warnings of danger - Requirements
15718	S3008	2014-02		Ergonomic principles in the design of work systems
15719	S3009	2014-02		Ergonomics - General approach, principles and concepts
15731	S3010	2014-06		Development of service standards - Recommendations for addressing consumer issues
15743	S3011	2014-08		Guidelines for older persons and persons with disabilities - Information presentation using electronic guiding and wayfinding system
15794	S3012	2015-02		Accessible design - Application of braille on signage, equipment and appliances
15810	S3013	2015-04		Guidelines for older persons and persons with disabilities - Housing equipments
15854	S3014	2015-11		Information technology - Office equipment accessibility guidelines for elderly persons and persons with disabilities
15875-1	S3015-1	2016-03		Ergonomics of the thermal environment – Methods for the assessment of human responses to contact with surfaces – Part 1: Hot surfaces
15875-2	S3015-2	2016-03		Ergonomics of the thermal environment – Methods for the assessment of human responses to contact with surfaces – Part 2: Human contact with surfaces at moderate temperature
15875-3	S3015-3	2016-03		Ergonomics of the thermal environment – Methods for the assessment of human responses to contact with surfaces – Part 3: Cold surfaces
15961	S3016	2016-12		Ergonomics of the physical environment - Assessment of

Domestic  
Commodities

CNS no.	Category no.	Date of		Title
		Current edition		
15974	S3017	2017-04		environments by means of an environmental survey involving physical measurements of the environment and subjective Packaging – Accessible design – Guidelines for packaging and receptacles test methods for opening
15975	S3018	2017-04		Accessible design – Guidelines for operability of vending machine
12821-9	S3019-9	2018-09		Identification cards – Recording technique – Part 9: Tactile identifier mark
16066	S3020	2018-09		Prepaid cards – General rules
19027	S3021	2019-09		Design principles for communication support board using pictorial symbols
19028	S3022	2019-09		Accessible design – Information contents, figuration and display methods of tactile guide maps
19029	S3023	2019-09		Accessible design – Auditory guiding signals in public facilities
24508	S3024	2020-11		Ergonomics – Accessible design – Guidelines for designing tactile symbols and characters
17069	S3025	2021-11		Accessible design – Consideration and assistive products for accessible meeting



## T Medical Equipments and Appliances

Medical  
Equipments and  
Appliances

CNS no.	Category no.	Date of Current edition	Title
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### Surgical Machines and Appliances

	5931	T1001	withdrawn	Urethral bougies
	5932	T1002	withdrawn	Urethral injection syringe
	5933	T1003	withdrawn	Urethral glass syringes
	5934	T1004	withdrawn	Skin trephine
	5935	T1005	withdrawn	Alcohol-cotton case
	5936	T1006	withdrawn	Cryosugry
	5937	T1007	withdrawn	Sterilizing trays
	5938	T1008	1991-05	Petechiometers
	5939	T1009	withdrawn	Standard scale for medical bougie and catheter
	5940	T1010	withdrawn	Sphygmomanometer
	5941	T1011	withdrawn	Tuning forks (for medical use)
	4268	T1012	withdrawn	Tongue depressors
	6272	T1013	withdrawn	Urethral catheters
	6273	T1014	1989-07	Cannula for Maxillary Antrum and Frontal Sinus
	6274	T1015	withdrawn	Bladder syringes
	6275	T1016	1989-08	Pus Basins
	6276	T1017	1989-07	Dressing Trays
	6277	T1018	withdrawn	Anoscopes
	6278	T1019	withdrawn	Abdominal speculum
	6279	T1020	withdrawn	Surgical knives
	6280	T1021	1989-07	Surgical Scissors
	6281	T1022	1991-05	Scarificator
	6282	T1023	withdrawn	Medical dressing forceps
	6283	T1024	withdrawn	Medical forceps
	6284	T1025	withdrawn	Surgical needle holders
	6285	T1026	1989-07	Blood Lancet
	6286	T1027	withdrawn	Medical hooks
	6287	T1028	withdrawn	Medical sharp curettes
	6288	T1029	1989-09	Probes
	6289	T1030	withdrawn	Periosteal raspatories
	6290	T1031	withdrawn	Periosteal elevators
	6291	T1032	withdrawn	Comedo extractor
*	6626	T1033	withdrawn	Glass syringes
*	6627	T1034	1989-07	Trocars
	6966	T1035	1989-07	Uterine Curettes Sharp
	6967	T1036	1989-09	Uterine Curettes
	6968	T1037	withdrawn	Aneurism needles
	6969	T1038	withdrawn	Ligature carrier
	6970	T1039	withdrawn	Urethral curettes
	6971	T1040	withdrawn	Urethrotomy
	6972	T1041	withdrawn	Urethral knife
	6973	T1042	withdrawn	Settled lens set
	6974	T1043	withdrawn	Test lens set
	6975	T1044	withdrawn	Bone files
	7324	T1045	withdrawn	Ophthalmic retractors
	7325	T1046	withdrawn	Eye scissors
	7326	T1047	1989-07	Eye Forceps
	7327	T1048	withdrawn	Eye knives
	7328	T1049	withdrawn	Gastrofiberscopes
	7754	T1050	withdrawn	Anoscopes – Fiber optical light guide system
	7755	T1051	withdrawn	Abdominal speculum – Fiber optical light guide system
*	8165	T1052	withdrawn	Injection needles
	8166	T1053	withdrawn	Lacrimal probe
	8167	T1054	withdrawn	Tonsil snares

Medical  
Equipments and  
Appliances

CNS no.	Category no.	Date of		Title
		Current edition		
8168	T1055	withdrawn		Tonsillotomes
8333	T1056	withdrawn		Haemocytometer
8334	T1057	withdrawn		Haemometers
8335	T1058	withdrawn		Surgical saws
8336	T1059	1989-07		Uterine Cervical Dilator
9640	T1060	withdrawn		Disposable plastic syringes for medical use
11690	T1061	1986-08		Clinical Thermometers
12941	T1062	1991-11		Suction Catheter for Use in Respiratory Tract
12974	T1063	1992-03		Conical Fittings with a 6% (Luer) for Syringes, Needles and Certain Other Medical Equipment - Part 1: General Requirement
12975	T1064	withdrawn		Infusion equipment for medical use – Infusion sets for single use
12976	T1065	withdrawn		Transfusion equipment for medical use - Transfusion sets for single use
12977	T1066	1992-03		Single Use Blood Specimen Containers Up to 25ml Capacity
13075	T1067	2007-01		Non-invasive automated sphygmomanometers
13315	T1068	withdrawn		Implants for surgery – Ceramic materials based on alumina
13316	T1069	withdrawn		Orthopaedic implants – General requirements for marking, packaging and labelling
13317	T1070	withdrawn		Implants for surgery – Guidance on care and handling of orthopaedic implants
13358	T1071	1994-03		Microwave Therapy Equipment
13382-1	T1072-1	2004-09		Implants for surgery - Metallic materials - Wrought stainless steel
13382-2	T1072-2	2004-09		Implants for surgery - Metallic materials - Wrought cobalt-chromium-tungsten-nickel alloy
13382-3	T1072-3	2004-09		Implants for surgery - Metallic materials - Wrought cobalt-nickel-chromium-molybdenum-tungsten-iron alloy
13382-4	T1072-4	2004-09		Implants for surgery - Metallic materials - Wrought cobalt-nickel-chromium-molybdenum alloy
13382-5	T1072-5	2004-09		Implants for surgery - Metallic materials - Unalloyed titanium
13382-6	T1072-6	2004-09		Implants for surgery - Metallic materials - Cobalt-chromium-molybdenum casting alloy
13382-7	T1072-7	2004-09		Implants for surgery - Metallic materials - Wrought titanium 6-aluminium 4-vanadium alloy
13382-8	T1072-8	2004-09		Implants for surgery - Metallic materials - Forgeable and cold-formed cobalt-chromium-nickel-molybdenum-iron alloy
13382-9	T1072-9	withdrawn		Implants for surgery – Intramedullary nailing system – Part 2: Medullary pins
13382-10	T1072-10	withdrawn		Implants for surgery - Orthopaedic joint prostheses - Basic requirements
13382-11	T1072-11	withdrawn		Implants for surgery – Partial and total knee joint prostheses – Part 1: Classification, definitions and designation of dimensions
13382-12	T1072-12	withdrawn		Implants for surgery – Metal bone screws with hexagonal drive connection, spherical under – surface of head, asymmetrical thread – Dimensions
13382-13	T1072-13	withdrawn		Implants for surgery – Metal bone screws with conical under – Surface of head – Dimensions
13382-14	T1072-14	withdrawn		Implants for surgery – Acrylic resin cements – Part 1: Orthopaedic applications
13382-15	T1072-15	withdrawn		Implants for surgery – Metal bone plates holes corresponding to screws with asymmetrical thread and spherical under-surface
13382-16	T1072-16	withdrawn		Implants for surgery – Metal bone plates – Holes and slots corresponding to screws with conical under-surface
13382-17	T1072-17	withdrawn		Implants for surgery – Intramedullary nailing systems – Part 1: Intramedullary nails with cloverleaf or v-shaped cross-section
13382-18	T1072-18	withdrawn		Implants for surgery – Biocompatibility – selection of biological test methods for materials and devices
13382-19	T1072-19	withdrawn		Implants for surgery – Determination of bending strength and

CNS no.	Category no.	Date of		Title
		Current edition		
				stiffness of bone plates
13382-20	T1072-20	withdrawn		Implants for surgery – Partial and total hip joint prostheses – Part 1: Classification, designation of dimensions and requirements
13382-21	T1072-21	withdrawn		Implants for surgery – Partial and total hip joint prostheses – Part 2: Bearing surfaces made of metallic and plastics material
13382-22	T1072-22	withdrawn		Implants for surgery – Partial and total hip joint prostheses – Part 3: Determination of endurance properties of stemmed femoral components without application of torsion
13382-23	T1072-23	withdrawn		Implants for surgery - Partial and total hip joint prostheses - part 4: Determination of endurance properties of stemmed femoral components with application of torsion
13382-24	T1072-24	withdrawn		Implants for surgery – Ultra-high molecular weight polyethylene (Part 1: Powder form)
13382-25	T1072-25	withdrawn		Implants for surgery – Ultra-high molecular weight polyethylene (Part 2: Moulded form)
13382-26	T1072-26	withdrawn		Implants for surgery – Skeletal pins and wires (Part 1: Material and mechanical requirements)
13382-27	T1072-27	withdrawn		Implants for surgery – Skeletal pins and wires (Part 2: Steinmann skeletal pins – Dimensions)
13382-28	T1072-28	withdrawn		Implants for surgery – Staples with parallel legs for orthopaedic use – General requirements
13382-29	T1072-29	withdrawn		Implants for surgery – Metal bone screws with asymmetrical thread and spherical under surface (Mechanical requirements and test methods)
13382-30	T1072-30	withdrawn		Implants for surgery – Fixation devices for use in the ends of the femur in adults
13460	T1073	1994-12		Electrosurgical Unit
13477	T1074	withdrawn		Orthopaedic drilling instruments – Part 1: Drill bits, taps and countersink cutters
13478-1	T1075-1	withdrawn		Orthopaedic instruments – Drive connections – Part 1: Keys for use with screws with hexagon socket heads
13478-2	T1075-2	withdrawn		Orthopaedic instruments – Drive connections – Part 2: Screwdrivers for single slot head screws, screws with cruciate slot and cross recoseed head screws
13478-3	T1075-3	withdrawn		Surgical instruments – Metallic materials (Part 1: Stainless steel)
14101	T1076	1997-12		A-mode ultrasonic diagnostic equipment
14102	T1077	1997-12		Manual scanning B-mode ultrasonic diagnostic equipment
14191-1	T1078-1	withdrawn		Tracheal tubes – Part 1: General requirement
14191-2	T1078-2	withdrawn		Tracheal tubes – Part 2: Oro-tracheal and naso-tracheal tubes of Magill type (plain and cuffed)
14191-3	T1078-3	withdrawn		Tracheal tubes – Part 3: Murphy type
14191-4	T1078-4	withdrawn		Tracheal tubes – Part 4: Cole type
14191-5	T1078-5	withdrawn		Tracheal tubes – Part 5: Requirements and methods of test for cuffs and tubes
14192	T1079	withdrawn		Tracheal tube connector
14621	T1080	withdrawn		Sterilization of health care products - Requirements for validation and routine control - Industrial moist heat sterilization
14622-1	T1081-1	2014-10		Sterilization of health care products - Biological indicators - Part 1: General requirements
14622-2	T1081-2	2014-10		Sterilization of health care products - Biological indicators - Part 2: Biological indicators for ethylene oxide sterilization processes
14622-3	T1081-3	2014-10		Sterilization of health care products - Biological indicators - Part 3: Biological indicators for moist heat sterilization processes
14622-4	T1081-4	2014-10		Sterilization of health care products - Biological indicators - Part 4: Biological indicators for dry heat sterilization processes
14622-5	T1081-5	2014-10		Sterilization of health care products - Biological indicators - Part 5: Biological indicators for low-temperature steam and formaldehyde

Medical  
Equipments and  
Appliances

CNS no.	Category no.	Date of		Title
		Current edition		
14623-1	T1082-1	2002-03		sterilization processes Sterilization of health care products—Chemical indicators— Part 1: General requirements
14623-2	T1082-2	2002-03		Sterilization of health care products—Chemical indicators— Part 2: Test equipment and methods
14624-1	T1083-1	withdrawn		Infusion equipment for medical use – Part 1: Infusion glass bottles
14624-2	T1083-2	2002-03		Infusion equipment for medical use – Part 2: Closures for infusion bottles
14624-3	T1083-3	2002-03		Infusion equipment for medical use—Part 3: Aluminum caps for infusion bottles
14624-4	T1083-4	withdrawn		Infusion equipment for medical use – Part 4: Infusion sets for single use, gravity feed
14624-5	T1083-5	withdrawn		Infusion equipment for medical use – Part 5: Burette type infusion sets
14624-6	T1083-6	withdrawn		Infusion equipment for medical use – Part 6: Freeze drying closures for infusion bottles
14624-7	T1083-7	withdrawn		Infusion equipment for medical use – Part 7: Caps made of aluminum-plastics combinations for infusion bottles
14961	T1084	2005-12		Small medical gas cylinders - Pin-index yoke-type valve connections
14962	T1085	2005-12		Gas cylinders - Valve protection caps and valve guard for industrial and medical gas cylinders - Design, construction and tests
14963	T1086	2005-12		Gas mixers for medical use - Stand-alone gas mixers
15004	T1087	2006-04		Oxygen concentrators for use with medical gas pipeline systems
15035	T1088	2006-10		In vitro diagnostic test systems - Requirements for blood-glucose monitoring systems for self-testing in managing diabetes mellitus
15448-1	T1089-1	2011-03		Ophthalmic optics – Uncut finished spectacle lenses – Part 1: Specifications for single-vision and multifocal lenses
15448-2	T1089-2	2011-03		Ophthalmic optics – Uncut finished spectacle lenses – Part 2: Specifications for progressive lenses
15449-2	T1090-2	2011-05		Safety requirements for electrical equipment for measurement, control, and laboratory use – Part 2 : Particular requirements for autoclaves using steam for the treatment of medical materials, and
15449-2-101	T1090-2-101	2014-03		Safety requirements for electrical equipment for measurement, control and laboratory use - Part 2-101: Particular requirements for in vitro diagnostic (IVD) medical equipment

## Medical Appliances and Sanitary Goods

	5942	T2001	withdrawn	Rubber sheet for medical purpose
	5943	T2002	withdrawn	Rubber hot water bags
	5944	T2003	withdrawn	Rubber ice water bottles
	5945	T2004	withdrawn	Rubber ice water bags
	5946	T2005	withdrawn	Rubber cushions for patient
	5947	T2006	withdrawn	Rubber nipples
	6628	T2007	1989-06	Finger Sack for Medical Use
	6629	T2008	2007-01	Natural latex rubber condoms - Requirements and test methods
	7329	T2009	withdrawn	Adhesive tape, medical
*	8068	T2010	1999-06	Protective gloves for occupational health
	8164	T2011	withdrawn	Protective clothings of occupational health for impermeable use (replace by CNS 16103)
	8454	T2012	2004-04	Ear protectors
	8455	T2013	withdrawn	Portable type thermal anemometer
	8457	T2014	withdrawn	Oxygen indicator and oxygen alum
	10295	T2015	withdrawn	X-ray protective gloves
	10297	T2016	withdrawn	X-ray protective aprons
	10299	T2017	withdrawn	General rules for medical X-ray equipment
	10388	T2018	withdrawn	Protective boxes for mass chest photofluorography
	10390	T2019	withdrawn	X-ray water phantom for chest and abdomen

CNS no.	Category no.	Date of		Title
		Current edition		
10392	T2020	withdrawn		General rules of X-ray apparatus for mass chest photofluorography
10394	T2021	withdrawn		General rules on medical X-ray tubes
10520	T2022	withdrawn		Variable X-Ray beam limiting devices for diagnostic use
10580	T2023	withdrawn		General rules of mechanical units for medical X-ray apparatus
10582	T2024	withdrawn		Cart, Medicine
10583	T2025	withdrawn		Stretcher, Hospital
10584	T2026	withdrawn		Stand, surgical instrument
10667	T2027	withdrawn		Medical X-ray protective screens
10668	T2028	withdrawn		Mono tank X-ray units for diagnostic use
11252	T2029	withdrawn		Hospital beds (Fence type)
* 11348	T2030	2019-06		Feeding bottles
11713	T2031	withdrawn		Spectacle lenses
11747	T2032	1986-10		Surgical Nonabsorbable Sutures
11748	T2033	1986-10		X-Ray Detectable Surgical Gauze (Swabs, Lap-Sponges Laparotomy Sponges)
11869	T2034	withdrawn		Wheelchairs
12446	T2035	1988-10		Soft Contact Lenses
12447	T2036	1988-10		Hard Contact Lenses
12448	T2037	2002-03		Glossary of terms used in spectacle lenses
12519	T2038	1989-05		Metal Spectacle Frames
12521	T2039	1989-05		Cellulose Acetate Sheet Spectacle Frames
12523	T2040	1989-05		Materials for Plastic Spectacle Frames
12525	T2041	2002-03		Materials for glass spectacle lenses
12527	T2042	1989-05		Vocabulary for Spectacle Frames
12528	T2043	1989-05		Cellulose Acetate Sheet for Spectacle Frames
12543	T2044	withdrawn		Surgical rubber gloves
12793	T2045	withdrawn		Infant incubator
12837	T2046	1991-01		Polyvinyl Chloride Medical Gloves
13016	T2047	1992-07		Ozonizer (Small-Sized Silent Discharge Type)
14251	T2048	1998-10		Eye-wash and shower equipment for emergency
15036-1	T2049-1	2006-10		Plastics collapsible containers for human blood and blood components - Part 1: Conventional containers

## Dental Equipments and Appliances

6395	T3001	1989-05		Nickel - Chromium Alloy Wires for Dental Use
6396	T3002	1989-05		Nickel - Chromium Alloy Plates for Dental Use
6397	T3003	1989-05		Stainless Steel Wires for Dental Use
6398	T3004	1989-05		Cobalt - Chromium Alloy Wires for Dental Use
6399	T3005	1989-05		Dental Wrought Gold-Silver-Palladium Alloy
6616	T3006	1989-05		Dental Casting Gold-Silver-Palladium Alloy
6617	T3007	1989-05		Gold- Silver-Palladium Alloy Solders for Dental Use
6618	T3008	withdrawn		Dental casting silver alloy
6619	T3009	1991-02		Dentistry - Alloys for Dental Amalgam
6620	T3010	1989-05		Dental Fusible Alloy
6621	T3011	1989-05		Dental Silver Solders
6622	T3012	1998-06		Dental mercury
6623	T3013	1989-05		Dental Casting 14K Gold Alloy
6624	T3014	1989-05		Plus Metals for Dental Casting 14K Gold Alloy
6625	T3015	1989-05		Dental Casting Cobalt Chromium Alloy
6720	T3016	withdrawn		Wrist and slip-joint K4 for electric dental engine
6721	T3017	withdrawn		Belts for electric dental engines
6722	T3018	1989-07		Stand for Movable Electric Dental Engine
6723	T3019	withdrawn		Bracket arm for electric dental engine
6724	T3020	1989-08		Electric Dental Engines
6961	T3021	withdrawn		Dental burs
6962	T3022	withdrawn		Pulp canal reamers
6963	T3023	1989-07		Dental Mandrel

Medical  
Equipments and  
Appliances

CNS no.	Category no.	Date of		Title
		Current edition		
6964	T3024	withdrawn		Dental barbed broaches
6965	T3025	withdrawn		Dental smooth broaches
7083	T3026	withdrawn		Pulp canal reamers for contra-angle handpiece
7084	T3027	withdrawn		Peeso's root reamers for dental use
7085	T3028	withdrawn		Dental carborundum wheels
7086	T3029	1989-07		Dental Carborundum Points
7087	T3030	1989-08		Dental Pincettes
7452	T3031	1998-06		Dental explorers
7453	T3032	withdrawn		Dental chisel
7454	T3033	withdrawn		Dental spoon excavators
7455	T3034	withdrawn		Dental plastic filling instruments
7456	T3035	withdrawn		Dental scalers
7756	T3036	1989-08		Dental Elevators
7757	T3037	1989-11		Dental Bone Files
7758	T3038	withdrawn		Dental broach holders
8061	T3039	withdrawn		Dental forceps
8062	T3040	1989-08		Dental Crown Scissors
8063	T3041	withdrawn		Dental curettes
8064	T3042	withdrawn		Dental wax spatula
8065	T3043	1998-06		Dental handpieces-coupling dimensions
8066	T3044	withdrawn		Dental Spittoon
8067	T3045	2017-05		Dental hand instruments – Reusable mirrors and handles
8329	T3046	2000-11		Dentistry– Synthetic polymer teeth
8331	T3047	1989-07		Porcelain Teeth for Removable Denture
8332	T3048	withdrawn		Dental temporary stopping
8636	T3049	1989-11		Self-Curing Acrylic Resin for Dental Restoration
8637	T3050	1989-11		Heat Curing Acrylic Resin for Dental Crown
8868	T3051	withdrawn		Dental casting investment
8869	T3052	withdrawn		Dental zinc phosphate cement
8870	T3053	withdrawn		Dental silicate cement
8871	T3054	1987-03		Dental Plaster
8872	T3055	1987-03		Dental Stone
11556	T3056	withdrawn		Dental base plates
11557	T3057	withdrawn		Acrylic denture base resin
11686	T3058	withdrawn		Alginate dental impression material
11687	T3059	withdrawn		Agar impression material
11688	T3060	withdrawn		Dentistry-resin-based filling materials
11689	T3061	withdrawn		Dental duplicating materials
11744	T3062	withdrawn		Dental inlay casting wax
11745	T3063	withdrawn		Base plate wax
11746	T3064	withdrawn		Dental rubber dam
12801	T3065	withdrawn		Shanks of dental rotary instruments
12802	T3066	withdrawn		The test methods of dental rotary instruments
12641	T3067	withdrawn		Dental operator's stool
12958	T3068	1992-01		Dental Base Metal Casting Alloys
13017	T3069	1992-07		Method of Test for Ozonizer (Small-Sized Silent Discharge Type)
13764	T3070	withdrawn		Dental zinc polycarboxylate cements
13765	T3071	withdrawn		Dental ceramic
14377	T3072	withdrawn		Dental glass ionomer cements
14496	T3073	withdrawn		Dental material – Determination of color stability of dental polymeric materials
15023	T3074	withdrawn		Sterile dental injection needles for single use
15492	T3075	2012-07		Toothpastes (Dentifrices)
15584	T3076	2013-08		Determination of the permanent filtration of X-ray tube assemblies
15585	T3077	withdrawn		Medical electrical equipment-Dosimeter with ionization chambers and/or semi-conductor detectors as used in X-ray diagnostic imaging
15586	T3078	2013-08		Medical electrical equipment - X-ray tube assemblies for medical

CNS no.	Category no.	Date of		Title
		Current edition		

15587	T3079	2013-08		diagnosis - Characteristics of focal spots Medical diagnostic X-ray equipment – Radiation conditions for use in the determination of characteristics
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## Testing and Inspection

8330	T4001	withdrawn		Method of Test for Acrylic Resin Teeth for Denture
8456	T4002	withdrawn		Method of test for portable type thermal anemometer
8458	T4003	withdrawn		Method of test for oxygen indicator and oxygen alarm
10296	T4004	withdrawn		Method of test for X-ray protective gloves
10298	T4005	withdrawn		Method of test for X-ray protective aprons
10300	T4006	withdrawn		Method of test for medical X-ray equipment
10389	T4007	withdrawn		Method of test for protective boxes for mass chest photofluorography
10391	T4008	withdrawn		Method of test for X-ray water phantom for chest and abdomen
10393	T4009	withdrawn		Method of test for X-ray apparatus for mass chest photofluorography
10395	T4010	withdrawn		Method of test for medical X-ray tubes
10521	T4011	withdrawn		Method of test for variable X-ray beam limiting devices for diagnostic use
10581	T4012	withdrawn		Method of test for mechanical units for medical X-ray apparatus
10669	T4013	withdrawn		Method of test for mono-tank X-ray units for diagnostic use
11253	T4014	withdrawn		Method of test for hospital beds (Fence type)
11347	T4015	withdrawn		Method of test for rubber nipples
11349	T4016	withdrawn		Method of Test for Feeding Bottles
11350	T4017	withdrawn		Method of test for hygienic safety for rubber goods: General rules
11350-1	T4017-1	withdrawn		Method of test for hygienic safety for rubber goods: Material test
11350-2	T4017-2	withdrawn		Method of test for hygienic safety for rubber goods: Leaching test
12449	T4018	1988-10		Method of Test for Spectacle Lenses
12520	T4019	1989-05		Determination of Metal Spectacle Frames
12522	T4020	1989-05		Determination of Plastic Spectacle Frames
12524	T4021	1989-05		Determination of Materials for Plastic Spectacle Frames
12526	T4022	1989-05		Determination of Materials for Glass Spectacle Lenses
12595	T4023	withdrawn		Method of test for cutting and durability for surgical knives
12794	T4024	withdrawn		Method of test for infant incubator
12800	T4025	withdrawn		Method of test for dental rotary instruments
12838	T4026	1991-01		Method of Test for Polyvinyl Chloride Medical Gloves
13076	T4027	withdrawn		Methods of test for mechanical safety of medical electrical equipment
* 13077	T4028	withdrawn		Methods of test for electrical safety of medical electrical equipment
* 13245	T4029	1994-09		Method of Test for Rubber Condoms
13318	T4030	withdrawn		General method for the determination of arsenic – Sliver diethyldithiocarbamate photometric method
13766	T4031	withdrawn		Determination of dynamic stability of electric wheelchairs
13767	T4032	withdrawn		Determination of energy consumption of electric wheelchairs
13768	T4033	withdrawn		Determination of maximum speed acceleration and retardation of electric wheelchairs
13769	T4034	withdrawn		Climatic tests for electric wheelchairs
13770	T4035	withdrawn		Determination of obstacle - Climbing ability of electric wheelchairs
13999	T4036	1997-12		General methods of measuring the performances of ultrasonic pulse-echo diagnostic equipment
14775	T4037	2022-07		Method of test for evaluating the bacterial filtration efficiency (BFE) of medical face mask materials, using a biological aerosol of Staphylococcus aureus
14776	T4038	2022-07		Method of test for resistance of medical face masks to penetration by synthetic blood (horizontal projection of fixed volume at a known velocity)
14777	T4039	2003-10		Method of test for air exchange pressure of medical face mask
14799	T4040	2004-01		Method of test for resistance of materials used in protective clothing

CNS no.	Category no.	Date of		Title
		Current edition		
14800	T4041	2004-01		to penetration by synthetic blood Method of test for resistance of materials used in protective clothing to penetration by blood-borne pathogens using Phi-X174
14801	T4042	2004-01		Method of test for water resistance of material used in protective clothing (impact penetration test)
15007	T4043	withdrawn		Catheters other than intravascular catheters – Test methods for common properties

## General

13575-1	T5001-1	withdrawn		Wheelchairs – Nomenclature, terms and definitions (replaced by CNS 14964-26)
13575-2	T5001-2	withdrawn		Wheelchairs – Maximum overall dimensions (Replaced by CNS 14964-5)
13575-3	T5001-3	1995-08		Wheelchairs – Type classification based on appearance characteristics
13575-4	T5001-4	withdrawn		Wheelchairs - Determination of coefficient of test surfaces (→CNS 14964 – 13)
13575-5	T5001-5	withdrawn		Wheelchairs Determination of Static stability
13575-6	T5001-6	withdrawn		Wheelchairs - Determination of efficiency brakes (→CNS 14964 – 3)
13575-7	T5001-7	withdrawn		Wheelchairs – Determination of overall dimensions, mass and turning space (Replaced by CNS 14964-5)
13575-8	T5001-8	withdrawn		Wheelchairs - Test dummies (→CNS 14964 – 11)
13576	T5002	withdrawn		Instrument for surgery – Scalpels with detachable blades – Fitting dimensions
13577	T5003	withdrawn		Instrument for surgery – Scissors and shears – General requirements and test methods
13643	T5004	1996-03		Biological Evaluation of Dental Materials
14103-1	T5005-1	2009-07		Prosthetics and orthotics - Vocabulary – Part 1: General terms of external limb prostheses and external orthoses
14103-2	T5005-2	2009-07		Prosthetics and orthotics - Vocabulary – Part 2: Terms relating to external limb prostheses and wearers of these prostheses
14103-3	T5005-3	2009-07		Prosthetics and orthotics – Vocabulary – Part 3: Terms relating to external orthoses
14104-1	T5006-1	2009-07		Prosthetics and orthotics - Limb deficiencies – Part 1: Method of describing limb deficiencies present at birth
14104-2	T5006-2	2009-07		Prosthetics and orthotics – Limb deficiencies – Part 2: Method of describing lower limb amputation stumps
14104-3	T5006-3	2009-07		Prosthetics and orthotics – Limb deficiencies – Part 3: Method of describing upper limb amputation stumps
14104-4	T5006-4	2009-07		Prosthetics and orthotics – Limb deficiencies – Part 4: Description of causal conditions leading to amputation
14104-5	T5006-5	2009-07		Prosthetics and orthotics – Limb deficiencies – Part 5: Description of the clinical condition of the person who has had an amputation
14193	T5007	withdrawn		Haemodialysers, haemofilters and haemoconcentrators
14194	T5008	1998-08		Extracorporeal blood circuit for haemodialysers haemofilters and haemoconcentrators
14195	T5009	withdrawn		M-mode ultrasonic diagnostic equipment
14196	T5010	withdrawn		Particular requirement for the safety of ultrasonic therapy equipment
14197	T5011	withdrawn		Electric linear scanning ultrasonic diagnostic equipment
14353	T5012	1999-08		Wheelchair occupant restraint assemblies for motor vehicles
14393-1	T5013-1	2004-04		Biological evaluation of medical devices—part 1 : Evaluation and testing
14393-2	T5013-2	2004-04		Biological evaluation of medical devices—part 2 : Animal welfare requirements
14393-3	T5013-3	2004-04		Biological evaluation of medical devices—part 3 : Tests for genotoxicity,carcinogenicity and reproductive toxicity
14393-4	T5013-4	2004-04		Biological evaluation of medical devices—part 4 : Selection of tests



CNS no.	Category no.	Date of		Title
		Current edition		
14393-5	T5013-5	2004-04		for interactions with blood Biological evaluation of medical devices-part 5 : Tests for in vitro cytotoxicity
14393-6	T5013-6	2004-04		Biological evaluation of medical devices-part 6 : Test for local effects after implantation
14393-7	T5013-7	2005-03		Biological evaluation of medical devices - Part 7: Ethylene oxide sterilization residuals
14393-8	T5013-8	2005-03		Biological evaluation of medical devices - Part 8: Selection and qualification of reference materials for biological tests
14393-9	T5013-9	2005-03		Biological evaluation of medical devices - Part 9: Framework for identification and quantification of potential degradation products
14393-10	T5013-10	2005-03		Biological evaluation of medical devices - Part 10: Tests for irritation and delayed-type hypersensitivity
14393-11	T5013-11	2005-03		Biological evaluation of medical devices - Part 11: Tests for systemic toxicity
14393-12	T5013-12	2005-03		Biological evaluation of medical devices - Part 12: Sample preparation and reference materials
14393-13	T5013-13	2005-03		Biological evaluation of medical devices - Part 13: Identification and quantification of degradation products from polymeric medical devices
14393-14	T5013-14	2005-03		Biological evaluation of medical devices - Part 14: Identification and quantification of degradation products from ceramics
14393-15	T5013-15	2006-06		Biological evaluation of medical devices - Part 15: Identification and quantification of degradation products from metals and alloys
14393-16	T5013-16	2006-06		Biological evaluation of medical devices - Part 16: Toxicokinetic study design for degradation products and leachables
14393-20	T5013-20	2009-01		Biological evaluation of medical devices - Part 20: Principles and methods for immunotoxicology testing of medical devices
14509	T5014	withdrawn		Medical electrical equipment – Part 1: General requirements for safety
14509-1	T5014-1	withdrawn		Medical electrical equipment – Part 1: General requirements for safety 1. collateral standard: Safety requirements for medical electrical systems
14509-1-6	T5014-1-6	withdrawn		Medical electrical equipment – Part 1-6: General requirements for basic safety and essential performance – Collateral standard: Usability
14509-2	T5014-2	withdrawn		Medical electrical equipment – Part 1: General requirements for safety 2. collateral standard: Electromagnetic compatibility requirements and tests
14509-2-10	T5014-2-10	withdrawn		Medical electrical equipment – Part 2-10: Particular requirements for the basic safety and essential performance of nerve and muscle stimulators
14509-2-28	T5014-2-28	withdrawn		Medical electrical equipment – Part 2-28: Particular requirements for the basic safety and essential performance of X-ray tube assemblies for medical diagnosis
14509-2-49	T5014-2-49	withdrawn		Medical electrical equipment – Particular Requirements for the safety of multifunction patient monitoring equipment
14509-2-59	T5014-2-59	withdrawn		Medical electrical equipment – Part 2-59: Particular requirements for the basic safety and essential performance of screening thermographs for human febrile temperature screening
14509-3	T5014-3	withdrawn		Medical electrical equipment - Part 1: general requirements for safety - 3. collateral standard: General requirements for radiation protection in diagnostic X-ray equipment
14509-4	T5014-4	withdrawn		Medical electrical equipment – part 1: general requirements for safety – 4. collateral standard: programmable electrical medical systems
14708	T5015	withdrawn		Medical device – validation and routine control of ethylene oxide

Medical  
Equipments and  
Appliances

CNS no.	Category no.	Date of		Title
		Current edition		
14709	T5016	withdrawn		sterilization Sterilization of health care products – requirements for validation and routine control – radiation sterilization
14774	T5017	2022-07		Medical face masks
14778	T5018	2003-10		Standard Terminology Relating to protective clothing
14798	T5019	2004-01		The performance requirements for disposable medical protective clothing
14912	T5020	2005-03		Fundamental aspects of safety standards for medical electrical equipment
14913	T5021	2005-03		Graphical symbols for electrical equipment in medical practice
14964	T5022	2020-05		Wheelchairs – Application guidelines
14964-1	T5022-1	2017-07		Wheelchairs – Part 1 : Determination of static stability
14964-2	T5022-2	2020-07		Wheelchairs – Part 2: Determination of dynamic stability of electrically powered wheelchairs
14964-3	T5022-3	2015-11		Wheelchairs - Part 3: Determination of effectiveness of brakes
14964-4	T5022-4	2017-08		Wheelchairs – Part 4: Energy consumption of electrically powered wheelchairs and scooters for determination of theoretical distance range
14964-5	T5022-5	2017-07		Wheelchairs – Part 5: Determination of dimensions, mass and manoeuvring space
14964-6	T5022-6	2020-07		Wheelchairs – Part 6: Determination of maximum speed of electrically powered wheelchairs
14964-7	T5022-7	2006-10		Wheelchairs - Part 7: Measurement of seating and wheel dimensions
14964-8	T5022-8	2018-12		Wheelchairs – Part 8 : Requirements and test methods for static, impact and fatigue strengths
14964-9	T5022-9	2014-10		Wheelchairs - Part 9: Climatic tests for electric wheelchairs
14964-10	T5022-10	2017-07		Wheelchairs – Part 10 : Determination of obstacle-climbing ability of electrically powered wheelchairs
14964-11	T5022-11	2015-11		Wheelchairs - Part 11: Test dummies
14964-13	T5022-13	2006-02		Wheelchairs - Part 13: Determination of coefficient of friction of test surfaces
14964-14	T5022-14	2005-12		Wheelchairs - Part 14: Power and control systems for electric wheelchairs - Requirements and test methods
14964-15	T5022-15	2007-10		Wheelchairs - Part 15 : Requirements for information disclosure, documentation and labelling
14964-16	T5022-16	2014-10		Wheelchairs - Part 16: Resistance to ignition of postural support devices
14964-19	T5022-19	2013-09		Wheelchairs - Part 19 : Wheeled mobility devices for use in motor vehicles
14964-21	T5022-21	2019-09		Wheelchairs – Part 21: Requirements and test methods for electromagnetic compatibility of electrically powered wheelchairs and scooters, and battery chargers
14964-22	T5022-22	2020-07		Wheelchair – Part 22: Setup procedures
14964-23	T5022-23	withdrawn		Wheelchairs – Part 23 : Requirements and test methods for attendant-operated stair-climbing devices
14964-24	T5022-24	withdrawn		Wheelchairs – Part 24 : Requirements and test methods for user-operated stair-climbing devices
14964-25	T5022-25	2014-10		Wheelchairs - Part 25: Batteries and chargers for powered wheelchairs
14964-26	T5022-26	2018-10		Wheelchairs – Part 26 : Vocabulary
14964-28	T5022-28	2016-09		Wheelchairs - Part 28: Requirements and test methods for stair-climbing devices
14964-30	T5022-30	2020-09		Wheelchairs – Part 30: Wheelchairs for changing occupant posture – Test methods and requirements
14989	T5023	2006-06		Medical devices - Application of risk management to medical devices
14990	T5024	2006-06		Medical devices - Symbols to be used with medical device

CNS no.	Category no.	Date of		Title
		Current edition		
14991	T5025	2006-06		labels,labelling and information to be supplied Nomenclature - Specification for a nomenclature system for medical devices for the purpose of regulatory data exchange
15003-1	T5026-1	withdrawn		Medical gas pipeline systems – Part 1: Pipelines for compressed medical gases and vacuum
15003-2	T5026-2	withdrawn		Medical gas pipeline systems – Part 2: Anaesthetic gas scavenging disposal systems
15005-1	T5027-1	withdrawn		Terminal units for medical gas pipeline systems – Part 1: Terminal units for use with compressed medical gases and vacuum
15005-2	T5027-2	withdrawn		Terminal units for medical gas pipeline systems – Part 2: Terminal units for anaesthetic gas scavenging systems
15006	T5028	2006-04		Flow-metering devices for connection to terminal units of medical gas pipeline systems
15024-1	T5029-1	2011-03		Assistive products for walking manipulated by one arm – Requirements and test methods – Part 1: Elbow crutches
15024-4	T5029-4	2006-08		Walking aids manipulated by one arm - Requirements and test methods - Part 4: Walking sticks with three or more legs
15037-1	T5030-1	2006-10		Walking aids manipulated by both arms - Requirements and test methods - Part 1: Walking frames
15037-2	T5030-2	2006-10		Walking aids manipulated by both arms - Requirements and test methods - Part 2: Rollators
15037-3	T5030-3	2006-11		Walking aids manipulated by both arms - Requirements and test methods - Part 3: Walking tables
15041-1	T5031-1	2007-01		Specification for non-invasive sphygmomanometers - Part 1: General requirements
15041-2	T5031-2	2007-01		Specification for non-invasive sphygmomanometers - Part 2: Supplementary requirements for mechanical sphygmomanometers
15041-3	T5031-3	2007-01		Non-invasive sphygmomanometers - Part 3: Supplementary requirements for electro-mechanical blood pressure measuring system
15042	T5032	2007-01		Standard specification for infrared thermometers for intermittent determination of patient temperature
15043	T5033	2007-01		Standard specification for electronic thermometer for intermittent determination of patient temperature
15044	T5034	2007-01		Standard specification for clinical thermometer probe covers and sheaths
15067	T5035	2017-02		Eye and face protection – Sunglasses and related eyewear – Part 1: Sunglasses for general use
15153	T5036	2007-12		Biological evaluation of medical devices - Part 17 : Establishment of allowable limits for leachable substances
15154	T5037	2007-12		Biological evaluation of medical devices - Part 18 : Chemical characterization of materials
15155	T5038	2007-12		Biological evaluation of medical devices - Part 19 : Physico-chemical, morphological and topographical characterization of materials
15191	T5039	2012-09		Wooden walking sticks
* 15192	T5040	2013-10		Non-Wood walking sticks
15212-3	T5041-3	2008-11		Clinical Thermometers - Part 3: Performance of compact electrical thermometers ( non-predictive and predictive ) with maximum device
15212-4	T5041-4	2008-11		Clinical Thermometers - Part 4: Performance of electrical thermometers for continuous measurement
15212-5	T5041-5	2008-11		Clinical thermometers - Part 5: Performance of infra-red ear thermometers (with maximum device)
15226	T5042	2009-03		Single-use sterile rubber gloves - Specification
15227	T5043	2009-03		Single-use medical examination gloves - Part 1: Specification for gloves made from rubber latex or rubber solution

Medical  
Equipments and  
Appliances

CNS no.	Category no.	Date of		Title
		Current edition		
15265-1	T5044-1	2009-07		Prosthetics and orthotics – Classification and description of prosthetic components – Part 1: Classification of prosthetic components
15265-2	T5044-2	2009-07		Prosthetics and orthotics – Classification and description of prosthetic components – Part 2: Description of lower-limb prosthetic components
15265-3	T5044-3	2009-07		Prosthetics and orthotics – Classification and description of prosthetic components – Part 3: Description of upper-limb prosthetic components
15266	T5045	2009-07		Prostheses – Structural testing of hip units
15267	T5046	2009-07		Medical devices – Guidance on the selection of standards in support of recognized essential principles of safety and performance of medical devices
15268	T5047	2009-07		External limb prostheses and external orthoses – Requirements and test methods
15269	T5048	2009-07		Prosthetics – Structural testing of lower-limb prostheses – Requirements and test methods
15390	T5049	2010-09		Assistive products for persons with disabilities - Classification and terminology
15521	T5050	2021-11		Electrically operated adjustable bed for home use
15469-1	T5051-1	2011-03		Tips for assistive products for walking - Requirements and test methods - Part 1: Friction of tips
15469-2	T5051-2	2013-04		Tips for assistive products for walking—Requirements and test methods—Part 2: Durability of tips for crutches
15554	T5052	2012-08		Medical electrical equipment – Part 2-52: Particular requirements for The basic safety and essential performance of medical beds
15555	T5053	2012-09		Method for the simulation of wear before the detection of nickel release from coated metal and combination spectacle frames
15628-1	T5054-1	2012-11		Wheelchair seating - Part 1: Vocabulary, reference axis convention and measures for body segments, posture and postural support
15628-2	T5054-2	2021-11		Wheelchair seating – Part 2: Determination of physical and mechanical characteristics of seat cushions intended to manage tissue integrity
15628-3	T5054-3	2021-11		Wheelchair seating – Part 3: Determination of static, impact and repetitive load strengths for postural support devices
15628-4	T5054-4	2015-03		Wheelchair seating - Part 4: Seating systems for use in motor vehicles
15628-6	T5054-6	2021-11		Wheelchair seating – Part 6: Simulated use and determination of the changes in properties of seat cushions
15628-10	T5054-10	2021-11		Wheelchair seating – Part 10: Resistance to ignition of postural support devices – Requirements and test method
15658	T5055	2013-04		Technical aids for persons with disability — Environmental control systems for daily living
15677-1	T5056-1	2013-09		Technical systems and aids for disabled or handicapped persons - Wheelchair tiedown and occupants - restraint systems - Part 1 : Requirements and test methods for all systems
15678-2	T5057-2	2013-09		Tail lifts - Platform lifts for mounting on wheeled vehicles - Safety requirements
15690	T5058	2013-10		Sterilization of health care products - Vocabulary
15691-1	T5059-1	2013-10		Aseptic processing of health care products - Part 1: General requirements
15691-2	T5059-2	2013-10		Aseptic processing of health care products - Part 2: Filtration
15691-3	T5059-3	2013-10		Aseptic processing of health care products - Part 3: Lyophilization
15691-4	T5059-4	2013-10		Aseptic processing of health care products - Part 4 : Clean-in-place technologies
15691-5	T5059-5	2013-10		Aseptic processing of health care products - Part 5: Sterilization in place

CNS no.	Category no.	Date of		Title
		Current edition		
15691-6	T5059-6	2013-10		Aseptic processing of health care products - Part 6: Isolator systems
15758-1	T5060-1	2014-10		Packaging for terminally sterilized medical devices - Part 1: Requirements for materials, sterile barrier systems and packaging systems
15759	T5061	2020-09		Portable ramps for wheelchairs
15830-2	T5062-2	2016-04		Power-operated lifting platforms for persons with impaired mobility - Rules for safety, dimensions and functional operation - Part 2: Powered stairlifts for seated, standing and wheelchair users moving
15910-1	T5063-1	2016-06		Pressure sore prevention mattress for home use - Part 1: Types
15910-2	T5063-2	2016-06		Pressure sore prevention mattress for home use - Part 2: Replace static types
15910-3	T5063-3	2016-06		Pressure sore prevention mattress for home use - Part 3: Alternating pressure types
15971	T5064	2017-02		Personal protective equipment – Test methods for sunglasses and related eyewear
16010-1	T5065-1	2017-10		Urine absorbing aids – Vocabulary – Part 1: Conditions of urinary incontinence
16010-2	T5065-2	2017-10		Urine absorbing aids – Vocabulary – Part 2: Products
16010-3	T5065-3	2017-10		Urine absorbing aids – Vocabulary – Part 3: Identification of product types
16051	T5066	2018-09		Chairs and seats with electrical mechanisms assist standing up and sitting down
17190-1	T5066-1	2022-11		Urine-absorbing aids for incontinence – Polyacrylate superabsorbent powders – Part 1: Test method for determination of pH
17190-2	T5066-2	2022-11		Urine-absorbing aids for incontinence – Polyacrylate superabsorbent powders – Part 2: Test method for determination of the amount of residual acrylate monomers
17190-3	T5066-3	2022-11		Urine-absorbing aids for incontinence – Polyacrylate superabsorbent powders – Part 3: Test method for determination of the particle size distribution by sieve fractionation
17190-4	T5066-4	2018-09		Urine-absorbing aids for incontinence – Test methods for characterizing polymer-based absorbent materials – Part 4: Determination of moisture content by mass loss upon heating
17190-5	T5066-5	2019-12		Urine-absorbing aids for incontinence – Test methods for characterizing polymer-based absorbent materials – Part 5: Gravimetric determination of free swell capacity in saline solution
17190-6	T5066-6	2019-12		Urine-absorbing aids for incontinence – Test methods for characterizing polymer-based absorbent materials – Part 6 : Gravimetric determination of fluid retention capacity in saline solution
17190-7	T5066-7	2019-12		Urine-absorbing aids for incontinence – Test methods for characterizing polymer-based absorbent materials – Part 7: Gravimetric determination of absorption under pressure
17190-8	T5066-8	2019-12		Urine-absorbing aids for incontinence – Test methods for characterizing polymer-based absorbent materials – Part 8: Gravimetric determination of flowrate
17190-9	T5066-9	2019-12		Urine-absorbing aids for incontinence – Test methods for characterizing polymer-based absorbent materials – Part 9: Gravimetric determination of density
17190-10	T5066-10	2022-11		Urine-absorbing aids for incontinence – Polyacrylate superabsorbent powders – Part 10: Test method for determination of extractable polymer content by potentiometric titration
17190-11	T5066-11	2022-11		Urine-absorbing aids for incontinence – Test methods for characterizing polymer-based absorbent materials – Part 11: Determination of content of respirable particles
16052	T5067	2018-09		Assistive products – Bed table
16077	T5068	2018-10		Hoists for the transfer of disabled persons – Requirements and test methods

Medical  
Equipments and  
Appliances

	CNS no.	Category no.	Date of	
			Current edition	Title
	17966	T5069	2018-12	Assistive products for personal hygiene that support users – Requirements and test methods
	16137	T5070	2020-10	Tactile sticks (White canes)
	16138	T5071	2020-10	Wig and accessories – General specifications
*	16170	T5072	2021-03	General requirements of assistive products for the elderly and persons with disabilities
	62366-1	T5073-1	2021-11	Medical devices – Part 1 : Application of usability engineering to medical devices

# X Information and Communications

Information and  
Communications

CNS no.	Category no.	Date of Current edition	Title
<b>General</b>			
5204	X0001	1983-02	Flowchart Symbols for Information Processing
7225	X0002	1983-02	Information Processing – Conventions for Incorporating Flowchart Symbols in Flowcharts
7648	X0003	2015-08	Data elements and interchange formats – Information interchange – Representation of dates and times
9359	X0004	1985-07	Data Processing Vocabulary ( Part 1 : Fundamental Terms )
9359-1	X0004-1	2011-05	Information technology - Vocabulary - Part 1: Fundamental terms
9359-4	X0004-4	2011-05	Information technology - Vocabulary - Part 4: Organization of data
9359-5	X0004-5	2013-10	Information technology - Vocabulary - Part 5: Representation of data
9359-7	X0004-7	2011-05	Information technology - Vocabulary - Part 7: Computer programming
9359-9	X0004-9	2011-05	Information technology - Vocabulary - Part 9: Data communication
9359-13	X0004-13	2011-08	Information technology - Vocabulary - Part 13: Computer graphics
9359-14	X0004-14	2011-08	Information technology - Vocabulary - Part 14: Reliability, maintainability and availability
9359-15	X0004-15	2011-08	Information technology - Vocabulary - Part 15: Programming languages
9359-16	X0004-16	2011-08	Information technology - Vocabulary - Part 16: Information theory
9359-17	X0004-17	2011-08	Information technology - Vocabulary - Part 17: Databases
9359-18	X0004-18	2011-08	Information technology - Vocabulary - Part 18: Distributed data processing
9359-34	X0004-34	2013-10	Information technology - Vocabulary - Part 34: Artificial intelligence - Neural networks
9359-36	X0004-36	2013-10	Information technology - Vocabulary - Part 36: Learning, education and training
9359-37	X0004-37	2016-10	Information technology – Vocabulary – Part 37: Biometrics
9360	X0005	1985-07	Data Processing Vocabulary (Part 2: Arithmetic and Logic Operations)
9361	X0006	1989-10	Information Processing Systems – Vocabulary ( Part 03: Equipment Technology)
9362	X0007	1990-01	Information Processing Systems – Vocabulary ( Part 4 : Organization of Data )
9691	X0008	1990-01	Information Processing Systems – Vocabulary ( Part 5 : Representation of Data )
9692	X0009	1989-10	Information Processing Systems – Vocabulary ( Part 06: Preparation and Handling of Data)
9693	X0010	1985-07	Data Processing Vocabulary (Part 7: Digital Computer Programming)
10239	X0011	1985-08	Data Processing Vocabulary (Part 10: Operating Techniques and Facilities)
10240	X0012	1990-11	Information Processing Systems – Vocabulary (Part 11 : Processing Units)
10241	X0013	1990-11	Information Processing Systems – Vocabulary (Part 12 : Peripheral Equipment)
10242	X0014	1985-08	Data Processing Vocabulary (Part 14: Reliability, Maintenance and Availability)
10243	X0015	1985-11	Data Processing Vocabulary (Part 16: Information theory)
10244	X0016	1990-11	Information Processing Systems – Vocabulary (Part 19 : Analog Computing)
11404	X0017	1985-11	Data Processing Vocabulary (Part 9: Data Communication)
11405	X0018	1985-11	Data Processing Vocabulary (Part 13: Computer Graphics)
12365	X0019	1988-07	Alphanumeric Character Sets for Optical Recognition – Part II : Character Set OCR-B – Shapes and Dimensions of the Printed Image
12647	X0020	1989-12	Information Processing Systems - Computer System Configuration Diagram Symbols and Conventions
12717	X0021	2002-09	Information technology -Vocabulary - Part 8: Security

CNS no.	Category no.	Date of		Title
		Current edition		
12718	X0022	1990-05		Information Processing Systems - Vocabulary ( Part 15 : Programming Languages )
12758	X0023	withdrawn		Information processing systems – Vocabulary (Part 18 : distributed data processing)
12759	X0024	withdrawn		Information processing systems – Vocabulary (Part 21 : interfaces between process computer systems and technical processes)
12760	X0025	withdrawn		Information processing systems – Vocabulary (Part 22 : calculators)
12822	X0026	1990-12		Alphanumeric Character Sets for Optical Recognition – Part 1 : Character Set OCR-A-Shapes and Dimensions of the Printed Image
12959	X0027	1992-01		Printing Specifications for Optical Character Recognition
12972-1	X0028-1	1992-02		Office Machine - Vocabulary - Section 01: Dictation Equipment
12972-2	X0028-2	1992-02		Office Machine - Vocabulary - Section 02: Duplicators
12972-3	X0028-3	1992-02		Office Machine - Vocabulary - Section 03: Addressing Machines
12972-4	X0028-4	1992-02		Office Machine - Vocabulary - Section 04: Letter Opening Machines
12972-5	X0028-5	1992-04		Office Machine - Vocabulary - Section 05 : Letter folding machines
12972-7	X0028-7	1992-04		Office Machine - Vocabulary - Section 07 : Postal franking machines
12972-9	X0028-9	1992-04		Office Machine - Vocabulary - Section 09 : Typewriters
13203	X0029	1993-05		Forms design sheet and layout chart
13359	X0030	withdrawn		(MPEG) Moving Pictures Expert Group - Video Specifies the Coded Representation of Video Data and the Decoding Process Required to Reconstruct Pictures
13359-1	X0030-1	1999-06		Information technology - Coding of moving pictures and associated audio for digital storage media at up to about 1.5 Mbit/s - Part 1: Systems
13359-2	X0030-2	1999-06		Information technology - Coding of moving pictures and associated audio for digital storage media at up to about 1.5 Mbit/s - Part 2: Video
13359-3	X0030-3	1999-06		Information technology - Coding of moving pictures and associated audio for digital storage media at up to about 1.5 Mbit/s - Part 3: Audio
13359-4	X0030-4	1999-08		Information technology - Coding of moving pictures and associated audio for digital storage media at up to about 1.5 Mbit/s - Part 4: Compliance testing
13383	X0031	1994-04		Information processing - Specification of single - hit decision tables
13522	X0032	1995-04		Vocabulary of Terms for ISDNs
13523	X0033	1995-04		Vocabulary of Digital Transmission and Multiplexing, and Pulse Code Modulation (PCM) Terms
13524	X0034	1995-04		Standard Representation of Latitude, Longitude and Altitude for Geographic Point Locations
13829	X0035	1997-03		Broadband-integrated services digital networks (B-ISDN) general network aspects
13833	X0036	1997-03		Structure of recommendations on equipment for the synchronous digital hierarchy (SDH)
13848	X0037	1997-03		Telecommunications management network (TMN) - management services overview
13889	X0038	1997-05		Information technology - open systems interconnection - specification of abstract syntax notation one (ASN.1)
13889-1	X0038-1	2014-07		Information technology - Abstract Syntax Notation One (ASN.1) : Specification of basic notation
13889-2	X0038-2	2013-10		Information technology - Abstract Syntax Notation One (ASN.1) : Information object specification
13889-3	X0038-3	2012-10		Information technology - Abstract syntax notation one (ASN.1) : Constraint specification
13889-4	X0038-4	2013-05		Information technology – Abstract Syntax Notation One (ASN.1) : Parameterization of ASN.1 specifications
13890	X0039	1997-05		Information technology - open systems interconnection - specification of basic encoding rules for abstract syntax notation one (ASN.1)



CNS no.	Category no.	Date of		Title
		Current edition		
13890-1	X0039-1	1998-08		Information technology - ASN.1 encoding rules: Specification of basic encoding rules (BER), canonical encoding rules (CER) and distinguished encoding rules (DER)
14106-1	X0040-1	1997-12		Technical product documentation – Handling of computer-based technical information – Part 1: Security requirements
15749	X0041	2014-09		Information technology - Representation of data element values - Notation of the format

## Communications Technology

10331	X1001	withdrawn		Information interchange - The bit sequencing for serial-by-bit data transmission
10426	X1002	withdrawn		Information interchange - Character structure and character parity sense for serial-by-bit data communication
10427	X1003	withdrawn		Information interchange - Character structure and character parity sense for parallel-by-bit data communication
10685	X1004	1988-07		Interface Between Data Terminal Equipment and Data Circuit-Terminating Equipment Employing Serial Binary Data Interchange – General Rule
10686	X1005	1988-07		Interface between Data Terminal Equipment and Data Circuit-Terminating Equipment Employing Serial Binary Data Interchange – Signal Characteristics
10687	X1006	1988-07		Interface Between Data Terminal Equipment and Data Circuit-Terminating Equipment Employing Serial Binary Data Interchange – Interface Mechanical Characteristics
10688	X1007	1988-07		Interface between Data Terminal Equipment and Data Circuit-Terminating Equipment Employing Serial Binary Data Interchange - Functional Description of Interchange Circuits
10689	X1008	1988-07		Interface between Data Terminal Equipment and Data Circuit-Terminating Equipment Employing Serial Binary Data Interchange - Standard Interfaces for Selected Communication System
10690	X1009	1988-07		Interface Between Data Terminal Equipment and Data Circuit-Terminating Equipment Employing Serial Binary Data Interchange – Recommendations and Explanatory Notes
10691	X1010	1988-07		Interface between Data Terminal Equipment and Data Circuit-Terminating Equipment Employing Serial Binary Data Interchange - Glossary
11402	X1011	2012-10		Information technology – Security techniques – Check character systems
11626	X1012	1986-07		Information Processing Systems – Data Communication – High-Level Data Link Control Procedures – Frame Structure
11627	X1013	1986-07		Data Communication – High-Level Data Link Control Procedures – Consolidation of Elements of Procedures
11628	X1014	1986-07		Information Processing Systems – Data Communication – High-Level Data Link Control Procedures – Consolidation of Classes of Procedures
12396	X1015	1988-08		Signal Quality at Interface Between Data Terminal Equipment and Synchronous Data Circuit-Terminating Equipment for Serial Data Transmission
12397	X1016	1988-08		Signal Quality for Transmitting and Receiving Data Processing Terminal Equipments Using Serial Data Transmission at the Interface with Non-Synchronous Data Circuit-Terminating Equipment
12796	X1017	1990-10		Information Processing – Basic Mode Control Procedures for Data Communication Systems
12797	X1018	withdrawn		Data communication – Basic mode control procedures – Code independent information transfer
12798	X1019	1990-11		Basic Mode Control Procedures – Complements
12799	X1020	1990-11		Basic Mode Control Procedures – Conversational Information Message Transfer

CNS no.	Category no.	Date of		Title
		Current edition		
13204	X1021	1993-05		Information Processing Systems – Open Systems Interconnection – Basic Reference Model
13204-2	X1021-2	1999-06		Information processing systems – Open systems interconnection – Basic reference model – Part 2: Security architecture
13204-3	X1021-3	1996-06		Open Systems Interconnection – Basic Reference Model – Part 3: Naming and Addressing
13204-4	X1021-4	1995-01		Information Processing Systems – Open Systems Interconnection – Basic Reference Model – Part 4: Management Framework
13218	X1022	1993-06		Information Processing Systems - Open Systems Interconnection - Service Conventions
13281-1	X1023-1	1999-08		Information processing systems- Open systems interconnection- File transfer access and management-Part 1: General introduction
13281-2	X1023-2	1999-08		Information processing systems - Open systems interconnection - File transfer,access and management - Part 2: Virtual filestore definition
13281-3	X1023-3	1999-08		Information processing systems - Open systems interconnection - File transfer, Access and management - Part 3: File service definition
13281-4	X1023-4	1999-08		Information processing systems - Open systems interconnection - File transfer, Access and management - Part 4: File protocol specification
13282	X1024	1993-10		Information Processing Systems - Data Communications - Network Service Definition
13282-1	X1024-1	1993-12		Information processing systems - Data communications - Network service definition addendum 1: Connectionless - mode transmission
13282-2	X1024-2	1996-06		Network Service Definition- Network Layer Addressing
13282-3	X1024-3	1993-12		Information processing systems - Data communications - Network service definition addendum 3: Additional features of network service
13362	X1025	1994-11		Digital Hierarchy Bit Rates
13363	X1026	1994-11		Physical/Electrical Characteristics of 1544 Kbit/s Interfaces
13364	X1027	1994-11		Synchronous Frame Structures Used at Primary Hierarchical Levels
13365	X1028	1994-11		Carrier to Customer Installation DS1 Interface
13397	X1029	1994-06		Information processing systems - Open systems interconnection - Basic reference model (Addendum 1: Connectionless - mode transmission)
13399	X1030	1994-06		ISDN User - Network Interface - Data Link Layer Specification
13489	X1031	1995-01		Frame Alignment and Cyclic Redundancy Check Procedures Relating to Basic Frame Structures
13659	X1032	1996-05		File Transfer Access and Management (FTAM) Implementation Requirements Profile
13660-1	X1033-1	1996-05		File Transfer, Access and Management (FTAM) - Part 1: Specification of Association Control Service Element (ACSE) Presentation and Session Protocol
13660-2	X1033-2	1996-05		File Transfer, Access and Management (FTAM) - Part 2: Definition of Document Type, Constraint Sets and Syntaxes
13660-3	X1033-3	1996-05		File Transfer, Access and Management (FTAM)- Part 3: Simple File Transfer Service (unstructured)
13660-4	X1033-4	1996-05		File Transfer, Access and Management (FTAM)- Part 4: Positional File Transfer Service (flat)
13660-5	X1033-5	1996-06		File Transfer, Access and Management (FTAM)- Part 5: Positional File Access Service (flat)
13660-6	X1033-6	1996-05		File Transfer, Access and Management (FTAM)- Part 6: File Management Service
13661	X1034	1996-05		Implementation Requirement Profile of Association Control Service Element (ACSE), Presentation and Session Protocol for the use by FTAM
13662	X1035	1996-05		Implementation Requirement Specification Connectionless Network Service Protocols for the use by FTAM
13663	X1036	1996-05		Implementation Requirement Profile for Local Area Networks (LAN)

CNS no.	Category no.	Date of		Title
		Current edition		
				and Fiber Distributed Data Interfaces (FDDI)
13664	X1037	1996-05		File Transfer, Access and Management (FTAM) - Protocol Implementation Conformance Statement Proforma
13665	X1038	1996-05		Open Systems Interconnection - Implementation Requirement for Network Management
13666	X1039	1997-06		Information technology - Open systems interconnection - Common information for management functions : Common definitions for management function profiles
13666-1	X1039-1	1997-06		Information technology - Open systems interconnection - Common information for management functions - Part 1: object management
13666-2	X1039-2	1997-06		Information technology - Open systems interconnection - Common information for management functions - Part 2: state management
13666-3	X1039-3	1997-06		Information technology - Open systems interconnection - Common information for management functions - Part 3: attributes for representing relationships
13666-4	X1039-4	1997-06		Information technology - Open systems interconnection - Common information for management functions - Part 4: alarm reporting
13666-5	X1039-5	1997-06		Information technology - Open systems interconnection - Common information for management functions - Part 5: event report management
13666-6	X1039-6	1996-05		Open Systems Interconnection - Common Information for Management Functions - Part 6: Log Control Function
13667-1	X1040-1	1996-05		Open Systems Interconnection - Management Functions - Part 1: General Management Capability
13667-2	X1040-2	1996-05		Open Systems Interconnection - Management Functions - Part 2: Alarm Reporting and State Management Capabilities
13667-3	X1040-3	1996-05		Open Systems Interconnection - Management Functions - Part 3: Alarm Reporting Capabilities
13667-4	X1040-4	1996-06		Open Systems Interconnection - Management Functions - Part 4: General Event Report Management
13667-5	X1040-5	1996-06		Open Systems Interconnection - Management Functions - Part 5: General Log Control
13668-1	X1041-1	1996-06		Open Systems Interconnection - Management Communications - Part 1: Protocol Specification for the use by Common Management Information Service Element (CMISE) and Remote Operation
13668-2	X1041-2	1996-05		Open Systems Interconnection - Management Communications - Part 2: Enhanced Management Communications
13668-3	X1041-3	1996-06		Open Systems Interconnection - Management Communications - Part 3: Basic Management Communications
13676	X1042	1996-06		Implementation Requirement Profile of Connection- mode and Connectionless - mode Transport Service Protocols for the use by FTAM
13677	X1043	1998-08		Information technology - Data communication - X.25 packet layer protocol for data terminal equipment
13678	X1044	1996-06		Integrated Services Digital Network - Packet Data Transfer Implementation Requirement Specification
13679	X1045	1996-06		Implementation Profile for Transaction Processing Protocol
13680	X1046	1996-06		Synchronous Digital Hierarchy Bit Rates
13681	X1047	1996-06		Network Node Interface for Synchronous Digital Hierarchy
13682	X1048	1996-06		Open Systems Interconnection- Network Naming Implementation Requirement Profile
13683	X1049	1996-06		Synchronous Multiplexing Structure
13684	X1050	1996-06		Optical Interfaces for Equipments and Systems Relating to the Synchronous Digital Hierarchy
13685	X1051	1996-06		Digital Line Systems Based on the Synchronous Digital Hierarchy for Use on Optical Fiber Cables
13686	X1052	1996-06		Integrated Services Digital Network (ISDN) Network Charging Capabilities Attributes

CNS no.	Category no.	Date of		Title
		Current edition		
13687	X1053	1996-06		Guidance to the Integrated Services Digital Network (ISDN) Series Standards
13688	X1054	1996-06		Integrated Services Digital Network (ISDN) Common Specific Characteristics of Services
13689	X1055	1996-06		Integrated Services Digital Network (ISDN) Multiple Subscriber Number Supplementary Service
13690	X1056	1996-06		Physical/Electrical Characteristics of Hierarchical Digital Interfaces
13691	X1057	1996-06		Integrated Services Digital Network (ISDN) User Network Interface Layer 3 - Specification for Basic Call Control
13692	X1058	1996-06		Support of Packet Mode Terminal Equipment by an Integrated Services Digital Network (ISDN)
13693	X1059	1996-06		Packet- mode Bearer Service Categories of Integrated Services Digital Network (ISDN)
13694	X1060	1996-06		Definition of Teleservice Supported by an Integrated Services Digital Network (ISDN)
13695	X1061	1996-06		Integrated Services Digital Network (ISDN) - Calling Line Identification Presentation (CLIP) Supplementary Service
13696	X1062	1996-06		Integrated Services Digital Network (ISDN) - Calling Line Identification Restriction Supplementary Service
13697	X1063	1996-06		Principles for a Telecommunications Management Network (TMN)
13698	X1064	1996-06		Integrated Services Digital Network (ISDN) - Call Hold (CH) Supplementary Services
13699	X1065	1996-06		Integrated Services Digital Network (ISDN)- Framework for Providing Additional Packet Mode Bearer Service
13700	X1066	1996-06		Method for the Characterization of Telecommunication Services Supported by an Integrated Services Digital Network (ISDN) and Network Capabilities of an ISDN
13701	X1067	1996-06		Preamble and General Structure of the Series Standards for the Integrated Services Digital Network (ISDN)
13702	X1068	1996-06		Relationship with Other Standards Relevant to Integrated Services Digital Network (ISDN)
13703	X1069	1996-06		Attribute Technique for the Characterization of Telecommunication Services Supported by an Integrated Services Digital Network (ISDN) and Network Capabilities of an ISDN
13704	X1070	1996-06		Integrated Services Digital Network (ISDN) Connected Line Identification Presentation (COLP) Supplementary Service
13705	X1071	1996-06		Integrated Services Digital Network (ISDN) Connected Line Identification Restriction (COLR) Supplementary Service
13706	X1072	1996-06		Circuit-Mode Bearer Service Categories of Integrated Services Digital Network (ISDN)
13707	X1073	1996-06		Teleservices Supported by an Integrated Services Digital Network (ISDN)
13708	X1074	1996-06		Integrated Services Digital Network (ISDN) User-Network Interface Data Link Layer- General Aspects
13709	X1075	1996-06		Integrated Services Digital Network (ISDN) User-Network Interface Layer 3- General Aspects
13710	X1076	1996-06		Introduction to Signalling System No.7
13711	X1077	1996-06		Functional Description of the Message Transfer Part (MTP) of Signalling System No.7
13712	X1078	1996-06		Functional Description of the Message Transfer Part (MTP) Level 1 of Signalling System No.7
13713	X1079	1996-06		Functional Description of the Message Transfer Part (MTP) Level 2 of Signalling System No.7
13714	X1080	1996-06		Functional Description of the Message Transfer Part (MTP) Level 3 of Signalling System No.7
13715	X1081	1996-06		Message Transfer Part (MTP) Signalling Performance of Signalling System No.7
13716	X1082	1996-06		Message Transfer Part (MTP) Testing and Maintenance of

CNS no.	Category no.	Date of		Title
		Current edition		
				Signalling System No.7
13730	X1083	1996-07		Open Systems Interconnection - Network Addressing Implementation Requirement Profile
13731	X1084	1996-07		Integrated Services Digital Network (ISDN) Frame Switching Bearer Service
13732	X1085	1996-07		Broadband Profile of Integrated Services Digital Network (ISDN)
13733	X1086	1996-07		Broadband Integrated Services Digital Network (B-ISDN) Services Profile
13734	X1087	1996-07		Broadband Integrated Services Digital Network (B-ISDN) User-Network Interface
13735	X1088	1996-07		Support by an Integrated Services Digital Network (ISDN) of Data Terminal Equipment with V-Series Type Interfaces with Provision for Statistical Multiplexing
13736	X1089	1996-07		Integrated Services Digital Network (ISDN) – Common Dynamic Description of Basic Telecommunication Services
13737	X1090	1996-07		Definition of Bearer Service Categories of Integrated Services Digital Network (ISDN)
13738	X1091	1996-07		Principles of Telecommunication Services Supported by an Integrated Services Digital Network (ISDN) and the Means to Describe Them
13739	X1092	1996-07		Signalling Specification for Frame Mode Bearer Service
13740-1	X1093-1	1998-08		Industrial automation systems - Manufacturing message specification - Part 1: Service definition
13740-2	X1093-2	withdrawn		Manufacturing message specification (MMS) - Environment and general management services of service definition
13740-3	X1093-3	withdrawn		Manufacturing message specification (MMS) - Virtual manufacturing device (VMD) support services of service definition
13740-4	X1093-4	withdrawn		Manufacturing message specification (MMS) - Domain management services of service definition
13740-5	X1093-5	withdrawn		Manufacturing message specification (MMS) - Program invocation management services of service definition
13740-6	X1093-6	withdrawn		Manufacturing message specification (MMS) - Variable access services of service definition
13740-7	X1093-7	withdrawn		Manufacturing message specification (MMS) - Semaphore management services of service definition
13740-8	X1093-8	withdrawn		Manufacturing message specification (MMS) - Operator communication services of service definition
13740-9	X1093-9	withdrawn		Manufacturing message specification (MMS) - Event management services of service definition
13740-10	X1093-10	withdrawn		Manufacturing message specification (MMS) - Journal management services of service definition
13740-11	X1093-11	1998-06		Industrial automation systems – Manufacturing message specification – Part 2: Protocol specification
13741-1	X1094-1	1997-06		Information technology - Open systems interconnection - Virtual terminal basic class - application profiles - Part 5: AVT 16 - A-mode generalized telnet application profile
13741-2	X1094-2	1996-07		Virtual Terminal (VT) - A-mode Transparent VTE-Profile
13741-3	X1094-3	1997-06		Information technology - Open systems interconnection - Virtual terminal basic class - application profiles - Part 3: AVT 22 - S-mode forms application profile
13741-4	X1094-4	1996-07		Virtual Terminal (VT) – Generalized Telnet Synch, Signal, Negotiation and Subnegotiation Control Object
13741-5	X1094-5	1997-05		Information technology - Open systems interconnection - Virtual terminal basic class - Application profiles - Part 2: Common supporting layers requirements list
13741-6	X1094-6	1997-05		Information technology - Open systems interconnection - Virtual terminal basic class - Register of application profiles AVT1n, AVT 2n - Part 4: AVT 23 - S-mode paged application profile

CNS no.	Category no.	Date of		Title
		Current edition		
13742-1	X1095-1	1996-07		Message Handling Systems - Abstract Service Definition Conventions
13742-2	X1095-2	1996-07		Message Handling Systems - Overall Architecture
13742-3	X1095-3	1996-07		Message Handling Systems - Abstract Services Definition and Procedures
13742-5	X1095-5	1998-08		Information technology - Message handling systems (MHS) - Part 5: Message store: Abstract service definition
13742-6	X1095-6	1998-08		Information technology - Message handling systems (MHS) - Part 6: Protocol Specifications
13742-7	X1095-7	1999-04		Information technology - Text communication - Message-Oriented Text Interchange System (MOTIS) part 7: Interpersonal messaging system
13743	X1096	1996-07		Broadband Integrated Services Digital Network (B-ISDN) User-Network Interface - Physical Layer Specification
13744	X1097	1996-07		Vocabulary of Terms for Broadband Aspects of Integrated Services Digital Network (ISDN)
13745	X1098	1996-07		Telecommunications Management Network (TMN) Interface Specification Methodology
13795	X1099	1996-12		ISDN user-Network interfaces - Interface structures and access capabilities
13796	X1100	1996-12		ISDN user-Network interface - Reference configurations
13797	X1101	1996-12		General Aspects and Principles Relating to Recommendations on ISDN User-Network Interfaces
13828	X1102	1997-03		Integrated services digital networks (ISDN) - Features and evolution
13830	X1103	1997-03		Broadband-integrated services digital networks (B-ISDN) protocol reference model and its application
13831	X1104	1997-03		Broadband-integrated services digital networks (B-ISDN) ATM layer specification
13832	X1105	1997-03		Broadband-integrated services digital networks (B-ISDN) ATM adaptation layer (AAL) specification
13834	X1106	1997-03		Types and general characteristics of synchronous digital hierarchy (SDH) equipment
13835	X1107	1997-03		The control of jitter and wander within digital networks which are based on the 1544 Kbps hierarchy
13836	X1108	1997-03		Controlled slip rate objectives on an international digital connection
13839	X1109	1997-03		Signalling system no.7 - functional description of the signalling connection control part (SCCP)
13841	X1110	1997-03		Signalling system no.7 - signalling connection control part (SCCP) procedures
13842	X1111	1997-03		Signalling system no.7 - signalling connection control part (SCCP) performance
13843	X1112	1997-03		Signalling system no.7 - integrated services digital networks (ISDN) supplementary services
13844	X1113	1997-03		Signalling system no.7 - functional description of transaction capabilities
13845	X1114	1997-03		Signalling system no.7 - transaction capabilities information element definitions
13847	X1115	1997-03		Signalling system no.7 - transaction capabilities procedures
13849	X1116	1997-03		Telecommunications management network (TMN) - Management functions
13850	X1117	1997-03		Integrated services digital network (ISDN) frame relaying bearer service
13857	X1118	1997-03		Information processing systems - open systems interconnection - service definition for the association control service element
13858	X1119	1997-03		Information processing systems - open systems interconnection - protocol specification for the association control service element
13858-2	X1119-2	1998-08		Information technology - Open systems interconnection - Protocol specification for association control service element: Protocol

CNS no.	Category no.	Date of		Title
		Current edition		
13859	X1120	1997-03		implementation conformance statement (PICS) proforma Information technology - open systems interconnection - transport service definition
13860	X1121	1997-03		Information technology - telecommunications and information exchange between systems - open systems interconnection - protocol for providing the connection-mode transport service
13861	X1122	1997-03		Message handling system - Presentation transfer syntax and notation
13862	X1123	1997-03		Message handling systems - remote operations and reliable transfer server
13880	X1124	1997-05		Integrated services digital network (ISDN) malicious call identification supplementary service
13881	X1125	1997-05		Integrated services digital network (ISDN) sub-address supplementary service
13882	X1126	1997-05		Integrated services digital network call waiting supplementary services
13883	X1127	1997-05		Integrated services digital network call forwarding busy, call forwarding no reply and call forwarding unconditional supplementary service
13885	X1128	1997-05		The international telex service - service and operational provisions of telex destination codes and telex network identification codes
13887	X1129	1997-05		Information technology - open systems interconnection - presentation service definition
13888-1	X1130-1	1997-05		Information technology - open systems interconnection - connection-oriented presentation protocol - part 1: protocol specification
13888-2	X1130-2	1997-05		Information technology - open systems interconnection - connection-oriented presentation protocol - part 2: protocol specification
13891-1	X1131-1	1997-05		implementation conformance statement (PICS) proforma Information technology - open systems interconnection - common management information protocol - part 1: specification
13891-2	X1131-2	1997-05		Information technology - open systems interconnection - common management information protocol - part 2: protocol implementation conformance statement (PICS) proforma
13892	X1132	1997-05		Information technology - provision of the OSI connection-mode network service by packet mode terminal equipment to an integrated services digital network (ISDN)
13893	X1133	1997-05		Information technology - telecommunications and information exchange between systems - protocol identification in the network layer
13894	X1134	1997-05		Information processing systems - open systems interconnection - internal organization of the network layer
13895	X1135	1997-05		Additional information transfer supplementary service
13898	X1136	1997-05		In-service code violation monitors for digital systems
13901	X1137	1997-05		The control of jitter and wander within digital networks which are based on the synchronous digital hierarchy (SDH)
13908	X1138	1997-05		Information processing systems - open systems interconnection - basic connection oriented session protocol specification
13908-2	X1138-2	1997-05		Information technology - open systems interconnection - basic connection oriented session protocol specification - part 2: protocol specification
13909	X1139	1997-05		implementation conformance statement (PICS) proforma Information technology - telecommunications and information exchange between systems - high-level data link control procedures - description of the X.25 LAPB-compatible DTE data link procedures
13910	X1140	1997-05		Information processing systems - open systems interconnection - basic connection oriented session service definition
13911	X1141	1997-05		Information technology - open systems interconnection - virtual terminal basic class services
13912-1	X1142-1	1997-05		Information technology - open systems interconnection - virtual

CNS no.	Category no.	Date of		Title
		Current edition		
13912-2	X1142-2	1997-05		terminal basic class protocol - part 1: specification Information technology - open systems interconnection - virtual terminal basic class protocol - part 2: protocol implementation conformance statement (PICS proforma)
13913-1	X1143-1	1997-05		Information technology - open systems interconnection - virtual terminal basic class - register of control object type definitions - part 1: FVT 211, FVT 212 - sequenced and unsequenced application
13913-2	X1143-2	1997-05		Information technology - open systems interconnection - virtual terminal basic class - register of control object type definitions - part 2: FVT 213, FVT 214 - sequenced and unsequenced terminal
13913-3	X1143-3	1997-05		Information technology - open systems interconnection - virtual terminal basic class - register of control object type definitions - part 3: FVT 215, FVT216 - application RIO record loading control object
13913-4	X1143-4	1997-05		Information technology - open systems interconnection - virtual terminal basic class - register of control object type definitions - part 4: FVT 217 - horizontal tabulation control object
13913-5	X1143-5	1997-05		Information technology - open systems interconnection - virtual terminal basic class - register of control object type definitions - part 5: FVT 218 - logical image control object
13913-6	X1143-6	1997-05		Information technology - open systems interconnection - virtual terminal basic class - register of control object type definitions - part 6: FVT 219 - status message control object
13913-7	X1143-7	1997-05		Information technology - open systems interconnection - virtual terminal basic class - register of control object type definitions - part 7: FVT 2110 - entry-control control object
13913-8	X1143-8	1997-05		Information technology - open systems interconnection - virtual terminal basic class - register of control object type definitions - part 8: FVT 221 - forms FEICO (field entry instruction control object) No.1
13913-9	X1143-9	1997-05		Information technology - open systems interconnection - virtual terminal basic class - register of control object type definitions - part 9: FVT 222 - paged FEICO (field entry instruction control object)
13913-10	X1143-10	1997-05		Information technology - open systems interconnection - virtual terminal basic class - register of control object type definitions - part 10: FVT 231 - forms FEPCO (field entry pilot control object) No.1
13913-11	X1143-11	1997-05		Information technology - open systems interconnection - virtual terminal basic class - register of control object type definitions - part 11: Paged FEPCO (field entry pilot control object) No.1
13914-1	X1144-1	1997-05		Information technology - open systems interconnection - systems management - part 1: object management function
13914-2	X1144-2	1997-05		Information technology - open systems interconnection - systems management - part 2: state management function
13914-3	X1144-3	1997-05		Information technology - open systems interconnection - systems management - part 3: attributes for representing relationships
13914-4	X1144-4	1997-05		Information technology - open systems interconnection - systems management - part 4: alarm reporting function
13914-5	X1144-5	1997-05		Information technology - open systems interconnection - systems management - part 5: event report management function
13914-6	X1144-6	1997-05		Information technology - open systems interconnection - systems management - part 6: log control function
13914-7	X1144-7	1997-05		Information technology - open systems interconnection - systems management - part 7: security alarm reporting function
13914-8	X1144-8	1999-06		Information technology - Open systems interconnection - Systems management - Part 8: Security audit trail function
13915-1	X1145-1	1997-05		Information technology - open systems interconnection - the directory - part 1: overview of concepts, models and services
13915-2	X1145-2	1997-05		Information technology - open systems interconnection - the directory - part 2: models
13915-3	X1145-3	1997-05		Information technology - open systems interconnection - the



CNS no.	Category no.	Date of		Title
		Current edition		
				directory - part 3: abstract service definition
13915-4	X1145-4	1997-05		Information technology - open systems interconnection - the directory - part 4: procedures for distributed operation
13915-5	X1145-5	1997-05		Information technology - open systems interconnection - the directory - part 5: protocol specifications
13915-6	X1145-6	1997-05		Information technology - open systems interconnection - the directory - part 6: selected attribute types
13915-7	X1145-7	1997-05		Information technology - open systems interconnection - the directory - part 7: selected object classes
13915-8	X1145-8	1999-06		Information technology - Open systems interconnection - The directory - Part 8: Authentication framework
13915-9	X1145-9	1999-06		Information technology - Open systems interconnection - The directory: Replication
13916-1	X1146-1	1997-05		Information processing systems - text communication - remote operations - part 1: model, notation and service definition
13916-2	X1146-2	1997-05		Information processing systems - text communication - remote operations - part 2: protocol specification
13918	X1147	1997-05		Basic parameters for the measurement of error performance at bit rates below the primary rate
13925-1	X1148-1	1997-06		Information technology - open systems interconnection - structure of management information - part 1: management information model
13925-2	X1148-2	1997-06		Information technology - open systems interconnection - structure of management information - part 2: definition of management information
13925-4	X1148-4	1997-06		Information technology - open systems interconnection - structure of management information - part 4: guidelines for the definition of managed objects
13926-2	X1149-2	1998-08		Information technology - Open systems interconnection - Distributed transaction processing - Part 2: OSI TP service
13926-3	X1149-3	1997-06		Information technology - open systems interconnection - distributed transaction processing - part 3: protocol specification
13926-4	X1149-4	1997-06		Information technology - open systems interconnection - distributed transaction processing - part 4: protocol implementation
13926-5	X1149-5	1997-06		conformance statement (PICS) proforma
13926-6	X1149-6	1997-06		Information technology - open systems interconnection - distributed transaction processing - part 5: application context proforma and guidelines
13927	X1150	1997-06		Information technology - open systems interconnection - distributed transaction processing - part 6: unstructured data transfer
13927	X1150	1997-06		Information technology - open systems interconnection - systems management overview
13928-1	X1151-1	1997-06		Information technology - protocol for providing the connectionless - mode network service - part 1: protocol specification
13928-3	X1151-3	1997-06		Information technology - protocol for providing the connectionless - mode network service - part 3: provision of the underlying service by an X.25 subnetwork
13928-4	X1151-4	1997-06		Information technology - protocol for providing the connectionless - mode network service - part 4: provision of the underlying service by a subnetwork that provides the OSI data link service
13930	X1152	1997-08		ISDN basic user-network interface - layer 1 specification
13931	X1153	1997-08		ISDN primary rate user-network interface - Layer 1 specification
13932	X1154	1997-08		Transmission aspects of unbalance about earth (definitions and methods)
13933	X1155	1997-08		Application of maintenance principles to ISDN primary rate accesses
13934	X1156	1997-08		Characteristics of synchronous digital hierarchy (SDH) multiplexing equipment functional blocks
13988	X1157	1997-11		Synchronous Digital Hierarchy (SDH) Management
14121	X1158	1998-03		Architectures of transport networks based on the synchronous digital

CNS no.	Category no.	Date of		Title
		Current edition		
				hierarchy (SDH)
14133	X1159	1998-04		Information technology - Open systems interconnection - Service definition for the commitment, concurrency and recovery service element
14134	X1160	1998-04		Information technology - Open system interconnection - Protocol for the commitment, concurrency and recovery service element: Protocol specification
14146	X1161	1998-06		Synchronous digital hierarchy (SDH) management information model for the network element view
14148	X1162	1998-06		Line transmission of non-telephone signals - Framework for recommendations for audiovisual services
14149	X1163	1998-06		Line transmission of non-telephone signals - Multipoint control units for audiovisual systems using digital channels up to 2 Mbps
14150	X1164	1998-06		Line transmission of non-telephone signals - System for establishing communication between audiovisual terminals using digital channels up to 2 Mbit/s
14151	X1165	1998-06		Line transmission of non-telephone signals - Procedures for establishing communication between three or more audiovisual terminals using digital channels up to 2 Mbit/s
14152	X1166	1998-06		Transmission of non-telephone signals - Frame structure for a 64 to 1920 kbps channel in audiovisual teleservices
14153	X1167	1998-06		Transmission of non-telephone signals - A real time control protocol for simplex applications using the H.221 LSD/HSD/MLP channels
14154	X1168	1998-06		Transmission of non-telephone signals - Synchronized aggregation of multiple 64 or 56 kbit/s channels
14155	X1169	1998-06		Transmission of non-telephone signals - Frame-synchronous control and indication signals for audiovisual systems
14157	X1170	1998-06		Information technology - Data communication - 15-pole DTE/DCE interface connector and contact number assignments
14158	X1171	1998-06		Information technology - Data communication - 25-pole DTE/DCE interface connector and contact number assignments
14159	X1172	1998-06		Information technology - Data communication - 37-pole DTE/DCE interface connector and contact number assignments
14160	X1173	1998-06		Information technology - Telecommunications and information exchange between systems - Start stop transmission signal quality at DTE/DCE interfaces
14161	X1174	1998-06		Information technology - Telecommunications and information exchange between systems - Twisted pair multipoint interconnections
14162	X1175	1998-06		Information technology - Telecommunications and information exchange between systems - Interface connector and contact assignments for ISDN basic access interface located at reference
14163-1	X1176-1	1998-06		Information technology - High-performance parallel interface - Part 1: Mechanical, electrical and signalling protocol specification (HIPPI-PH)
14168-1	X1177-1	1998-06		Information technology - Framework and taxonomy of international standardized profiles - Part 1: General principles and documentation framework
14168-2	X1177-2	1998-06		Information technology – Framework and taxonomy of international standardized profiles – Part 2: Principles and taxonomy for OSI profiles
14169-1	X1178-1	1998-06		Information technology – International standardized profile – Common upper layers requirements – Part 1: Basic connection oriented requirements
14170	X1179	1998-06		B-ISDN operation and maintenance principles and functions
14171	X1180	1998-06		Information processing systems - Information exchange between systems - Synchronous transmission signal quality at DTE/DCE interface

CNS no.	Category no.	Date of		Title
		Current edition		
14172	X1181	1998-06		ATM cell mapping into plesiochronous digital hierarchy (PDH)
14173	X1182	1998-06		B-ISDN ATM layer cell transfer performance
14174	X1183	1998-06		B-ISDN ATM adaptation layer (AAL) functional description
14175	X1184	1998-06		B-ISDN ATM adaptation layer — Service specific coordination function for signalling at the network node interface (SSCF at NNI)
14198-2	X1185-2	1998-08		Information technology - Open systems interconnection - Connectionless session protocol: Protocol implementation conformance statement (PICS) proforma
14202	X1186	1998-08		Transmission of non-telephone signals - A far end camera control protocol for videoconference using H.224
14203	X1187	1998-08		Videoconference service - general
14204	X1188	1998-08		Pulse code modulation (PCM) of voice frequencies
14206	X1189	1998-08		Transmission of non-telephone signals - Confidentiality system for audiovisual services
14207	X1190	1998-08		Transmission of non-telephone signals - Encryption key management and authentication system for audiovisual services
14208	X1191	1998-08		B-ISDN ATM adaptation layer -B-ISDN meta-signalling protocol
14209	X1192	1998-08		Traffic control and congestion control in B-ISDN
14210	X1193	1998-08		Broadband integrated services digital network (B-ISDN) - Usage of cause and location in B-ISDN user part and DSS2
14211	X1194	1998-08		Broadband-ISDN, Interworking between signalling system No.7 broadband ISDN user part (B-ISUP) and digital subscriber signalling system No.2 (DSS2)
14212	X1195	1998-08		Broadband integrated services digital network (B-ISDN) - Interworking between signalling system No.7 - Broadband ISDN user part (B-ISUP) and Narrow-band ISDN user part (N-ISUP)
14213-1	X1196-1	1998-08		Information technology - Open systems interconnection - Procedures for the operation of OSI registration authorities - Part 1: General procedures
14213-2	X1196-2	1998-08		Information technology - Open systems interconnection - Procedures for the operation of OSI registration authorities - Part 2: Registration procedures for OSI document types
14213-3	X1196-3	1998-08		Information technology - Open systems interconnection - Procedures for the operation of OSI registration authorities - Part 3: Registration of object identifier component values for joint ISO-ITU-T use
14213-4	X1196-4	1998-08		Information technology - Open systems interconnection - Procedures for the operation of OSI registration authorities - Part 4: Register of VTE profiles
14213-5	X1196-5	1998-08		Information technology - Open systems interconnection - Procedures for the operation of OSI registration authorities - Part 5: Register of VT control object definitions
14213-6	X1196-6	1998-08		Information technology - Open systems interconnection - Protocol of the operation of OSI registration authorities - Part 6: Application processes and application entities
14213-7	X1196-7	2005-09		Information technology - Open systems interconnection - Procedures for the operation of OSI registration authorities - Part 7: Assignment of international names for use in specific contexts
14214	X1197	1998-08		Broadband integrated services digital network (B-ISDN) Digital subscriber signalling system No.2 (DSS2) user-network interface (UNI) layer 3 specification for basic call/connection control
14215	X1198	1998-08		Integrated services digital network (ISDN) - General structure and service capabilities - User-to-user signalling
14218	X1199	1998-08		Functional description of the ISDN user part of signalling system No.7
14219	X1200	1998-08		General function of messages and signals of the ISDN user part of signalling system No.7
14223	X1201	1998-08		Generic network information model
14224	X1202	1998-08		Catalogue of telecommunications management network (TMN)

CNS no.	Category no.	Date of		Title
		Current edition		
				management information
14225	X1203	1998-08		Lower layer protocol profiles for the Q3 interface
14226	X1204	1998-08		Upper layer protocol profiles for the Q3 interface
14227	X1205	1998-08		Formats and codes of the ISDN user part of signalling system No.7
14228	X1206	1998-08		Signalling system No.7 - ISDN user part signalling procedures
14229	X1207	1998-08		Stage 3 description for additional information transfer supplementary service using DSS 1
14230	X1208	1998-08		B-ISDN ATM adaptation layer-service specific connection oriented protocol (SSCOP)
14231	X1209	1998-08		B-ISDN signalling ATM adaptation layer-service specific coordination function for support of signalling at the user-network interface (SSCF at UNI)
14304-1	X1210-1	1999-04		Information technology - Open systems interconnection - Connectionless presentation protocol: Protocol specification
14304-2	X1210-2	1999-04		Information technology - Open systems interconnection - Connectionless presentation protocol: Protocol Implementation
14305-1	X1211-1	1999-04		Information technology - Open systems interconnection - Connectionless protocol for the association control service element: Protocol specification
14305-2	X1211-2	1999-04		Information technology - Open systems interconnection - Connectionless protocol for the association control service element: Protocol Implementation
14320	X1212	1999-06		Conformance Statement (PICS) proforma
14321-1	X1213-1	1999-06		Digital test patterns for performance measurements on digital transmission equipment
14322	X1214	1999-06		Frame relaying service specific convergence sublayer (FR-SSCS)
14323	X1215	1999-06		Frame relaying bearer service interworking
14324-1	X1216-1	1999-06		Integrated services digital network (ISDN) B-ISDN equipment aspects: Asynchronous transfer mode management of the network element view
14325	X1217	1999-06		B-ISDN user part - Network node interface specification for point-to-multipoint call/connection control
14326	X1218	1999-06		Broadband integrated services digital network (B-ISDN) - Digital subscriber signalling system no.2 (DSS 2) - Additional traffic parameters
14327-1	X1219-1	1999-06		Digital subscriber signalling system no.2 - Connection characteristics negotiation during call/connection establishment phase
14331-3	X1220-3	1999-08		Digital subscriber signalling system no.2 - Connection modification : Peak cell rate modification by the connection owner
14333	X1221	1999-08		Information technology - Open systems interconnection - International standardized profiles: OSI distributed transaction processing - Part 3: Support of CCR APDUs
14334-1	X1222-1	1999-08		Broadband integrated services digital network (B-ISDN) - Signalling system no.7 B-ISDN user part (B-ISUP) - Basic call procedures
14334-2	X1222-2	1999-08		Information technology - Open systems interconnection - Security frameworks for open systems: Overview
14334-3	X1222-3	1999-08		Information technology - Open systems interconnection - Security frameworks for open systems: Authentication framework
14334-5	X1222-5	1999-08		Information technology - Open systems interconnection - Security frameworks for open systems: Access control framework
14354	X1223	1999-08		Information technology - Open systems interconnection - Security frameworks for open systems: Confidentiality frameworks
14355	X1224	1999-08		Information technology - Open systems interconnection - LOTOS description of the CCR service
14358	X1225	1999-08		Information technology - Open systems interconnection - LOTOS description of the CCR protocol
				Information technology - Open systems interconnection - Application layer structure

CNS no.	Category no.	Date of		Title
		Current edition		
14360	X1226	1999-08		Broadband integrated services digital network (B-ISDN) - Functional description of the B-ISDN user part (B-ISUP) of signalling system no.7
14361	X1227	1999-08		Broadband integrated services digital network (B-ISDN) - General functions of messages and signals of the B-ISDN user part (B-ISUP) of signalling system no.7
14362	X1228	1999-08		Broadband integrated services digital network (B-ISDN) - Signalling system no.7 B-ISDN user part (B-ISUP) - Formats and codes
14363	X1229	1999-08		Information technology - Open systems interconnection - Security frameworks for open systems: Integrity framework
14364	X1230	1999-08		Information technology - Open systems interconnection - Security frameworks for open systems: Security audit and alarms framework
14365	X1231	1999-08		Information technology - Telecommunications and information exchange between systems - Transport layer security protocol
14378	X1232	1999-08		Information technology - Telecommunications and information exchange between systems - Use of X.25 to provide the OSI connection - Mode network service
14648	X1233	2002-06		Management of the transport network – Application of the RM-ODP framework
14662	X1234	2002-07		Management of the transport network - Computational interfaces for basic transport network model
14692	X1235	2002-10		Common elements of the information viewpoint for the management of a transport network
14693	X1236	2002-10		Management of the transport network – Enterprise viewpoint for simple subnetwork connection management
14695	X1237	2002-12		Dual rate speech coder for multimedia communications transmitting at 5.3 and 6.3 kbps
14696	X1238	2002-12		Video coding for low bit rate communication
14697	X1239	2002-12		Terminal for low bit- rate multimedia communication
14698	X1240	2002-12		Infrastructure of audiovisual services - Transmission multiplexing and synchronization - Multiplexing protocol for low bit rate multimedia communication
14699	X1241	2002-12		Management of the transport network - Subnetwork connection management information viewpoint
14700	X1242	2002-12		Generic functional architecture of transport networks
14713	X1243	2004-04		Information technology - Open system interconnection - The registration of object identifiers
14722	X1244	2003-04		V-interfaces at the digital local exchange(LE)-V5.1 interface(base on 2048 Kbit/s)for the support of access network(AN)
14723	X1245	2003-04		B-ISDN user part - ATM end system address
14724	X1246	2003-04		B-ISDN user part - Call priority
14727	X1247	2003-03		B-ISDN user part - Network generated session identifier: Network call correlation identifier
14737	X1248	2003-06		B-ISDN user part- Support of additional traffic parameters for sustainable cell rate and quality of service
14738	X1249	2003-06		B-ISDN user part - Support of frame relay
14739	X1250	2003-06		Extensions to the B-ISDN User Part - Signalling capabilities to support traffic parameters for the available bit rate (ABR) ATM transfer capability
14740	X1251	2003-06		Extensions to the B-ISDN user part - Signalling capabilities to support traffic parameters for the ATM block transfer (ABT) ATM transfer capability
14750	X1252	2003-06		B-ISDN User Part - Modification procedures
14751	X1253	2003-06		General arrangements for interworking between B-ISDN and 64 kbit/s based ISDN
14752	X1254	2003-06		Extensions to the B-ISDN user part – Support of ATM transfer capability in the broadband bearer capability parameter
14753	X1255	2003-06		Extensions to the B-ISDN user part - Application generated identifier

CNS no.	Category no.	Date of		Title
		Current edition		
14761	X1256	2003-07		B-ISDN user part - Overview of the B-ISDN network node interface signalling capability set 2, step 1
14762	X1257	2003-07		B-ISDN user part - Support of negotiation during connection setup
14763	X1258	2003-07		Extensions to the B-ISDN user part – Modification procedures for sustainable cell rate parameters
14764	X1259	2003-07		Digital subscriber signalling system No.1(DSS1)-data link layer -ISDN data link layer specification for frame mode bearer services
14864	X1260	2004-09		Digital transmission systems - Digital sections and digital line system - Access networks - Asymmetric digital subscriber line (ADSL) transceivers
14870	X1261	2004-10		Transmission systems and media,digital systems and networks - Digital sections and digital line system - Access networks - Handshake procedures for digital subscriber line (DSL) transceivers
14871	X1262	2004-10		Overview of digital subscriber line (DSL)
14872	X1263	2004-10		Transmission systems and media, digital systems and networks - Digital sections and digital line system - Access networks - Test procedures for digital subscriber line (DSL) transceivers
14877	X1264	2007-12		Physical layer management for digital subscriber line (DSL) transceivers
14928	X1265	2005-05		V-Interfaces at the digital local exchange (LE) - V5.2 Interface (Based on 2048 kbps) for the support of access network (AN)
15068	X1266	2007-02		Internet protocol, version 6 (IPv6) specification
15069	X1267	2007-02		IPv6 stateless address autoconfiguration
15070	X1268	2007-02		Transmission of IPv6 packets over ethernet networks
15081	X1269	2007-05		Neighbor discovery for IP version 6 (IPv6)
15082	X1270	2007-05		Internet control message protocol (ICMPv6) for the internet protocol version 6 (IPv6) specification
15083	X1271	2007-05		Path MTU discovery for IP version 6
15096	X1272	2007-08		IPv6 global unicast address format
15097	X1273	2007-08		IPv6 over PPP
15098	X1274	2007-08		IPv6 jumbograms
15131	X1275	2007-12		Transition mechanisms for IPv6 hosts and routers
15132	X1276	2007-12		Internet protocol version 6(IPv6) addressing architecture
15157	X1277	2008-01		Dynamic host configuration protocol for IPv6 (DHCPv6)
15158	X1278	2008-01		Textual conventions for IPv6 flow label
15159	X1279	2008-01		DNS Extensions to support IP version 6
15178	X1280	2008-06		Mobility support in IPv6
15179	X1281	2008-06		Using IPsec to protect mobile IPv6 signaling between mobile nodes and home agents
15180	X1282	2008-06		Transmission of IPv6 packets over fibre channel
15769	X1283	2014-10		General overview of IPv6-based NGN
15776-1	X1284-1	2017-05		Energy management system application program interface (EMS-API)–Part 1: Guidelines and general requirements
15776-2	X1284-2	2014-11		Energy management system application program interface (EMS-API) - Part 2: Glossary
15776-401	X1284-401	2015-05		Energy management system application program interface (EMS-API) - Part 401: Component interface specification (CIS) framework
15807	X1285	2015-04		Intelligent transport systems - Communications access for land mobiles (CALM) - Architecture
15856	X1286	2015-12		Framework of multi-homing in IPv6-based NGN
15873-1	X1287-1	2016-03		Application integration at electric utilities – System interfaces for distribution management – Part 1: Interface architecture and general recommendations
29161	X1288	2018-02		Information technology – Data structure – Unique identification for the Internet of Things
30134-1	X1289-1	2018-07		Information technology – Data centres – Key performance indicators – Part 1: Overview and general requirements
30134-2	X1289-2	2018-07		Information technology – Data centres – Key performance indicators

CNS no.	Category no.	Date of		Title
		Current edition		
30134-3	X1289-3	2018-07		– Part 2: Power usage effectiveness (PUE) Information technology – Data centres – Key performance indicators – Part 3: Renewable energy factor (REF)
16110	X1290	2019-10		Data networks, open system communications and security – Secure applications and services – Internet of things (IoT) security – Simple encryption procedure for Internet of things (IoT) environments

## Communications Equipments

*	5766	X2001	1980-07	Analog-to-Digital Conversion Equipment
*	9979	X2002	withdrawn	Synchronous high – Speed data signalling rates between data terminal equipment and data communication equipment
	13360	X2003	1994-03	Data communication - 34 Pin DTE/DCE interface connector and pin assignments
	13396	X2004	1994-06	Local and Metropolitan Area Networks Media Access Control (MAC) Bridges
	13837	X2005	1997-03	Characteristics of a dispersion-shifted single-mode optical fiber cable
	13838	X2006	1997-03	Characteristics of 50/125 and 62.5/125 µm multimode graded index optical fiber cables
	13896-1	X2007-1	1998-06	Information technology - Fiber distributed data interface (FDDI) - Part 1: Token ring physical layer protocol (PHY)
	13896-2	X2007-2	1997-05	Information processing systems - fibre distributed data interface (FDDI) - part 2: token ring media access control (MAC)
	13896-3	X2007-3	1997-05	Information processing systems - fibre distributed data interface (FDDI) - part 3: physical layer media dependent (PMD)
	13896-5	X2007-5	1998-06	Information technology - Fiber distributed data interface (FDDI) - Part 5: Hybrid ring control (HRC)
	13897	X2008	1997-05	Error performance measuring equipment for bit rates of 64 Kbps and N × 64 Kbps
	13899	X2009	1997-05	Equipment to perform in-service monitoring on 2 048, 8 448, 34 368 and 139 264 Kbps signals
	13900	X2010	1997-05	Timing jitter measuring equipment for digital systems
	13917	X2011	1997-05	Error performance measuring equipment operating at the primary rate and above
	13919	X2012	1997-05	Equipment to perform in-service monitoring on 1 544 Kbps signals
	14199	X2013	1998-08	Line transmission of non-telephone signals - Codecs for videoconferencing using primary digital group transmission
	14200	X2014	1998-08	Line transmission of non- telephone signals - Broadcasting type audiovisual multipoint systems and terminal equipment
	14216	X2015	1998-08	Line transmission of non-telephone signals - Narrow-band visual telephone systems and terminal equipment
	14217	X2016	1998-08	Line transmission of non-telephone signals - Video codec for audiovisual services at p × 64 kbit/s
	14273	X2017	2017-05	Meter interface units for communications in automatic meter reading systems
	14274	X2018	withdrawn	Meter interface unit for automatic meter reading system via wireless communication network
	15593-21	X2019-21	2013-06	Electricity metering - Data exchange for meter reading, tariff and load control - Part 21: Direct local data exchange
	15593-31	X2019-31	2014-06	Electricity metering - Data exchange for meter reading, tariff and load control - Part 31: Use of local area networks on twisted pair with carrier signalling
	15593-42	X2019-42	2012-10	Electricity metering – Data exchange for meter reading, tariff and load control – Part 42: Physical layer services and procedures for connection-oriented asynchronous data exchange
	15593-46	X2019-46	2012-12	Electricity metering - Data exchange for meter reading, tariff and load control - Part 46: Data link layer using HDLC protocol
	15593-51	X2019-51	2013-09	Electricity metering - Data exchange for meter reading, tariff and load control - Part 51: Application layer protocols

CNS no.	Category no.	Date of		Title
		Current edition		
15593-52	X2019-52	2013-09		Electricity metering - Data exchange for meter reading, tariff and load control - Part 52: Communication protocols management distribution line message specification (DLMS) server
15593-61	X2019-61	2013-07		Electricity metering – Data exchange for meter reading, tariff and load control – Part 61: Object identification system (OBIS)
15593-62	X2019-62	2013-12		Electricity metering – Data exchange for meter reading, tariff and load control – Part 62: Interface classes
15733-1	X2020-1	2014-06		Communication networks and systems for power utility automation - Part 1: Introduction and overview
15733-2	X2020-2	withdrawn		Communication networks and systems in substations – Part 2: Glossary (replaced by CNS 61850-2)
15733-3	X2020-3	2014-09		Communication networks and systems in substations - Part 3: General requirements
15733-4	X2020-4	2016-09		Communication networks and systems for power utility automation – Part 4: System and project management
61850-7-2	X2020-7-2	2018-07		Communication networks and systems for power utility automation – Part 7-2: Basic information and communication structure – Abstract communication service interface (ACSI)
61850-7-3	X2020-7-3	2017-06		Communication networks and systems for power utility automation – Part 7-3: Basic communication structure – Common data classes
61850-7-4	X2020-7-4	2019-09		Communication networks and systems for power utility automation – Part 7-4: Basic communication structure – Compatible logical node classes and data object classes
61850-7-410	X2020-7-410	2018-12		Communication networks and systems for power utility automation – Part 7-410: Basic communication structure – Hydroelectric power plants – Communication for monitoring and control
61850-7-420	X2020-7-420	2019-11		Communication networks and systems for power utility automation – Part 7-420: Basic communication structure- Distributed energy resources logical nodes
61850-8-2	X2020-8-2	2020-09		Communication networks and systems for power utility automation – Part 8-2: Specific Communication Service Mapping (SCSM) – Mapping to Extensible Messaging Presence Protocol (XMPP)
15733-9-2	X2020-9-2	2016-06		Communication networks and systems for power utility automation – Part 9-2: Specific communication service mapping (SCSM) – Sampled values over ISO/IEC 8802-3
15733-9-3	X2020-9-3	2017-03		Communication networks and systems for power utility automation - Part 9-3: Precision time protocol profile for power utility automation
15733-10	X2020-10	2015-08		Communication networks and systems for power utility automation – Part 10: Conformance testing
61850-80-4	X2020-80-4	2018-12		Communication networks and systems for power utility automation – Part 80-4: Translation from the COSEM object model (IEC 62056) to the IEC 61850 data model
61850-90-10	X2020-90-10	2020-10		Communication networks and systems for power utility automation – Part 90-10: Models for scheduling
15821-2	X2021-2	2015-06		Application integration at electric utilities - System interfaces for distribution management - Part 2: Glossary
15874-3	X2022-3	2016-03		Power systems management and associated information exchange – Data and communications security – Part 3: Communication network and system security – profiles including TCP/IP
15977	X2023	2017-05		Systems and software engineering – Architecture description
62351-1	X2024-1	2019-09		Power systems management and associated information exchange – Data and communications security Part 1: Communication network and system security – Introduction to security issues
62351-2	X2024-2	2017-08		Power systems management and associated information exchange – Data and communications security – Part 2: Glossary of terms
62351-4	X2024-4	2022-12		Power systems management and associated information exchange – Data and communications security – Part 4: Profiles including MMS and derivatives



CNS no.	Category no.	Date of		Title
		Current edition		
62351-6	X2024-6	2018-02		Power systems management and associated information exchange – Data and communications security – Part 6: Security for CNS 61850
62351-10	X2024-10	2018-09		Power systems management and associated information exchange – Data and communications security – Part 10: Security architecture guidelines
16014	X2025	2017-10		Interconnection protocol for devices in smart home
61400-25-1	X2026-25-1	2019-11		Wind energy generation systems – Part 25-1: Communication for monitoring and control of wind power plants – Overall description of principles and models
61400-25-2	X2026-25-2	2018-11		Wind turbines – Part 25-2: Communications for monitoring and control of wind power plant – Information models
61400-25-3	X2026-25-3	2018-10		Wind turbines – Part 25-3: Communications for monitoring and control of wind power plants – Information exchange models
61400-25-6	X2026-25-6	2018-09		Wind turbines – Part 25-6: Communications for monitoring and control of wind power plants – Logical node classes and data classes for condition monitoring
16090	X2027	2018-12		Test methods for interconnection protocol for devices in smart home
16120-1	X2028-1	2022-06		Video surveillance system security – Part 1: General requirements
16120-2	X2028-2	2019-11		Video surveillance system security – Part 2: Requirements of IP camera
16120-3	X2028-3	2021-10		Video surveillance system security – Part 3: Video recorder
16120-4	X2028-4	2021-12		Video surveillance system security – Part 4: Network attached storage
16132-1	X2029-1	2022-11		Test methods for video surveillance system security – Part 1: General requirements
16132-2	X2029-2	2023-01		Test methods for video surveillance system security – Part 2: IP camera
16132-3	X2029-3	2023-01		Test methods for video surveillance system security – Part 3: Video recorder
16132-4	X2029-4	2023-01		Test methods for video surveillance system security – Part 4: Network attached storages
61850-2	X2030-2	2020-12		Communication networks and systems for power utility automation – Part 2: Glossary
61850-5	X2030-5	2020-12		Communication networks and systems for power utility automation – Part 5: Communication requirements for functions and device models
61850-6	X2030-6	2021-10		Communication networks and systems for power utility automation - Part 6: Configuration description language for communication in power automation systems related to IEDs
61850-7-1	X2030-7-1	2021-05		Communication networks and systems for power utility automation – Part 7-1: Basic communication structure – Principles and models
61850-7-6	X2030-7-6	2022-12		Communication networks and systems for power utility automation – Part 7-6: Guideline for definition of Basic Application Profiles (BAPs) using IEC 61850
61850-7-500	X2030-7-500	2021-12		Communication networks and systems for power utility automation – Part 7-500: Basic information and communication structure – Use of logical nodes for modeling application functions and related
61850-7-510	X2030-7-510	2020-12		Communication networks and systems for power utility automation – Part 7-510: Basic communication structure – Hydroelectric power plants – Modelling concepts and guidelines
61850-8-1	X2030-8-1	2020-12		Communication networks and systems for power utility automation – Part 8-1: Specific communication service mapping (SCSM) – Mappings to MMS (CNS 13740-1 and CNS 13740-11) and to
61850-90-1	X2030-90-1	2020-12		Communication networks and systems for power utility automation – Part 90-1: Use of CNS 61850 for the communication between substations
61850-90-2	X2030-90-2	2020-12		Communication networks and systems for power utility automation – Part 90-2: Using CNS 61850 for communication between substations and control centres

CNS no.	Category no.	Date of		Title
		Current edition		
61850-90-3	X2030-90-3	2020-12		Communication networks and systems for power utility automation – Part 90-3: Using CNS 61850 for condition monitoring diagnosis and analysis
61850-90-4	X2030-90-4	2021-12		Communication networks and systems for power utility automation – Part 90-4: Network engineering guidelines
61850-90-6	X2030-90-6	2021-12		Communication networks and systems for power utility automation – Part 90-6: Use of CNS 61850 for distribution automation systems
61850-90-7	X2030-90-7	2021-05		Communication networks and systems for power utility automation – Part 90-7: Object models for power converters in distributed energy resources (DER) systems
61850-90-8	X2030-90-8	2020-12		Communication networks and systems for power utility automation – Part 90-8: Object model for E-mobility
61850-90-12	X2030-90-12	2021-12		Communication networks and systems for power utility automation – Part 90-12: Wide area network engineering guidelines
61970-301	X2031-301	2021-12		Energy management system application program interface (EMS-API) – Part 301: Common information model (CIM) base
61970-452	X2031-452	2022-12		Energy management system application program interface (EMS-API) 女 Part 452: CIM static transmission network model profiles
61970-453	X2031-453	2022-12		Energy management system application program interface (EMS-API) – Part 453: Diagram layout profile
61970-456	X2031-456	2022-12		Energy management system application program interface(EMS-API) – Part 456: Solved power system state profiles
61970-556	X2031-556	2022-12		Energy management system application program interface (EMS-API) – Part 556: CIM based graphic exchange format (CIM/G)
62056-4-7	X2032-4-7	2021-12		Electricity metering data exchange – The DLMS/COSEM suite – Part 4-7: DLMS/COSEM transport layer for IP networks
62056-5-3	X2032-5-3	2022-12		Electricity metering data exchange – The DLMS/COSEM suite – Part 5-3: DLMS/COSEM application layer
62056-6-1	X2032-6-1	2021-12		Electricity metering data exchange – The DLMS/COSEM suite – Part 6-1: Object Identification System (OBIS)
16179	X2033	2022-10		Document management applications – Electronic document file format enhancement for accessibility – Part 1: Use of ISO 32000-1 (PDF/UA-1)
62746-3	X2034	2022-11		Systems interface between customer energy management system and the power management system –Part 3: Architecture
61968-11	X2035-11	2022-12		Application integration at electric utilities – System interfaces for distribution management – Part 11: Common information model (CIM) extensions for distribution

## Software

*	9980	X3001	withdrawn	Computer Program Abstracts
*	12644	X3002	withdrawn	Information processing – Program flow for processing sequential files in terms of record Groups
*	12646	X3003	withdrawn	Information processing – Program constructs and conventions for their representation
	13395	X3004	1994-06	Information Processing - Volume and File Structure of CD - ROM for Information Interchange
	13449	X3005	1994-11	Programming Languages - C
	13853-1	X3006-1	1997-03	Computer graphics-metafile for the storage and transfer of picture description information - part 1: functional specification
	13853-2	X3006-2	1998-06	Information technology - Computer graphics - Metafile for the storage and transfer of picture description information - Part 2: Character encoding
	13853-3	X3006-3	1998-06	Information technology - Computer graphics - Metafile for the storage and transfer of picture description information - Part 3: Binary encoding
	13853-4	X3006-4	1998-06	Information technology - Computer graphics - Metafile for the storage and transfer of picture description information - Part 4: Clear text

CNS no.	Category no.	Date of		Title
		Current edition		
14332	X3007	1999-08		encoding Information technology - Programming languages - CCITT high level language (CHILL)
14802	X3008	2004-01		Information technology - System and software integrity levels
14837	X3009	2005-07		Information technology - Software life cycle processes
14948-1	X3010-1	2005-09		Software engineering - Product quality - Part 1: Quality model
14950	X3011	2005-10		Information technology - Guide for CNS 14837 ( Software life cycle processes )
14974	X3012	2006-02		Software engineering - Guide for the application of CNS 14837 to project management
15008	X3013	2006-04		Systems engineering - System life cycle processes
15014-1	X3014-1	2006-06		Information technology - Software product evaluation - Part 1: General overview
15014-2	X3014-2	2006-06		Software engineering - Product evaluation - Part 2: Planning and management
15014-3	X3014-3	2006-06		Software engineering - Product evaluation - Part 3: Process for developers
15014-4	X3014-4	2006-11		Software engineering - Product evaluation - Part 4 : Process for acquirers
15014-5	X3014-5	2006-11		Information technology - Software product evaluation - Part 5 : Process for evaluators
15014-6	X3014-6	2006-11		Software engineering - Product evaluation - Part 6 : Documentation of evaluation modules
15264-1	X3015-1	2009-07		Information technology - Process assessment - Part 1: Concept and vocabulary
15264-2	X3015-2	2009-07		Software engineering - Process assessment - Part 2: Performing an assessment
15264-3	X3015-3	2009-07		Information technology - Process assessment - Part 3: Guidance on performing an assessment
15264-4	X3015-4	2009-07		Information technology - Process assessment - Part 4: Guidance on use for process improvement and process capability determination
15264-5	X3015-5	2009-07		Information technology - Process assessment - Part 5: An exemplar process assessment model
15240-1	X3016-1	2011-05		Information technology – Portable Operating System Interface (POSIX) – Part 1: Base definitions
15240-2	X3016-2	2012-09		Information technology - Portable Operating System Interface (POSIX) -Part 2: System Interface
15459-1	X3017-1	2012-09		Information technology - Document description and processing languages - Office Open XML File Formats - Part 1: Foudamentals and markup language reference

## Computer and Peripheral Equipments

6892	X4001	withdrawn	Information processing – General purpose hubs and reels, with 76 mm (3in) centrehole for magnetic tape used in interchange instrumentation applications
6893	X4002	withdrawn	Information processing - Unrecorded magnetic tapes for interchange instrumentation applications-general dimensional requirements
6894	X4003	withdrawn	Information processing - Precision reels for magnetic tape used in interchange instrumentation applications
6895	X4004	withdrawn	Information processing – Reels and cores for 25.4 mm (1 in) perforated paper tape for information interchange-dimensions
6896	X4005	withdrawn	Information processing - General purpose reels with 8mm (5/16 in) centre hole for magnetic tape for interchange instrumentation applications
6897	X4006	withdrawn	12.7mm (1/2 in) magnetic tape reel for computer use
7220	X4007	withdrawn	Information processing – Punched paper tape-dimensions and location of feed holes and code holes
7224	X4008	withdrawn	Data interchange on rolled-up punched paper tape – General

CNS no.	Category no.	Date of		Title
		Current edition		
				requirements
9981	X4009	withdrawn		Office machines and printing machines used for information processing – widths of fabric printing ribbons on spools
10153	X4010	withdrawn		Keyboard for international information processing interchange using 7-bit coded character set – alphanumeric area (→CNS 1 4 4 8 4 – 1 ~ 1 4 4 8 4 – 8 )
10154	X4011	withdrawn		Office machines – Basic arrangement for the alphanumeric section of keyboard operated with both hands (→CNS 1 4 4 8 4 – 1 ~ 1 4 4 8 4 – 8 )
10245	X4012	withdrawn		Subset of standard code for information interchange for numerical machine control perforated tape
10428	X4013	withdrawn		Information processing – 80 columns punched paper cards dimensions and location of rectangular punched holes
11215	X4014	withdrawn		Office machines and data processing equipment – Principles governing the positioning of control keys on keyboards (→CNS 1 4 4 8 4 – 1 ~ 1 4 4 8 4 – 8 )
11216	X4015	withdrawn		Office machines and data processing equipment – Keyboard layouts for numeric applications
11217	X4016	withdrawn		Office machines and printing machines used for information processing – Widths of one-time paper or plastic printing ribbons and marking to indicate the end of the ribbons
11218	X4017	withdrawn		Office machines and data processing equipment – Function key symbols on typewriters (→CNS 1 4 4 8 4 – 1 ~ 1 4 4 8 4 – 8 )
11221	X4018	withdrawn		Office machines and data processing equipment – Line spacings and character spacings
11403	X4019	withdrawn		Data processing – Description of interface between process computing system and technical process
11719	X4020	1994-01		Office Machines and Printing Machines Used for Information Processing - Widths of Fabric Printing Ribbons of Spools Exceeding 19 mm
13319	X4021	withdrawn		Typewriters - layout of printing and function key (→CNS 1 4 4 8 4 – 1 ~ 1 4 4 8 4 – 8 )
13320	X4022	withdrawn		Keyboard for countries whose languages have alphabetic extenders – Guidelines for harmonization (→CNS 1 4 4 8 4 – 1 ~ 1 4 4 8 4 – 8 )
13321	X4023	withdrawn		Office machines – Keyboards – Key numbering system and layout charts (→CNS 1 4 4 8 4 – 1 ~ 1 4 4 8 4 – 8 )
13322	X4024	1993-12		Adding Machines - Layout of Function Keyboard
13337	X4025	1994-01		Paper or Plastic Printing Ribbons - Characteristic of Cores
13366	X4026	1994-03		Offset Duplicators - Attachment Features of Plates
13367	X4027	1994-03		Stencils for Duplicators - Minimum Overprint and Attachment Features
13368	X4028	1994-03		Duplicating Machines - Registration
13369-1	X4029-1	1994-03		Office Machines - Minimum Information to be Included in Specification Sheets Part 1: Duplicators
13369-2	X4029-2	1994-03		Office Machines - Minimum Information to be Included in Specification Sheets Part 2: Document Copying Machines
13369-3	X4029-3	1994-03		Office Machines - Minimum Information to be Included in Specification Sheets Part 3: Postal Franking Machines
13597	X4030	1995-10		Office Machines - Line and Character Capacity of Address Masters
13598	X4031	1995-10		Printing Ribbons - Minimum Markings to Appear on Containers
14484-1	X4032-1	2000-10		Information technology – Keyboard layouts for text and office systems Part1: General principles governing keyboard layouts
14484-2	X4032-2	2000-10		Information technology – Keyboard layouts for text and office systems Part 2: Alphanumeric section
14484-3	X4032-3	2000-10		Information technology – Keyboard layouts for text and office systems Part 3: Complementary layouts of the alphanumeric zone of

CNS no.	Category no.	Date of		Title
		Current edition		
14484-4	X4032-4	2000-10		the alphanumeric section Information technology – Keyboard layouts for text and office systems Part 4: Numeric section
14484-5	X4032-5	2000-10		Information technology – Keyboard layouts for text and office systems Part 5: Editing section
14484-6	X4032-6	2000-10		Information technology – Keyboard layouts for text and office systems Part 6: Function section
14484-7	X4032-7	2000-10		Information technology – Keyboard layouts for text and office systems Part 7: Symbols used to represent functions
14484-8	X4032-8	2000-10		Information technology – Keyboard layouts for text and office systems Part 8: Allocation of letters to the keys of a numeric keypad
62944	X4033	2020-07		Audio, video and multimedia systems and equipment – Digital television accessibility – Functional specifications

## Coding and Representation of Data Elements

	5205	X5001	1996-12	Information Technology - 7 Bit Coded Character Set for Information Interchange
	7219	X5002	withdrawn	Information Processing – Representation of 6 and 7 bit coded character sets on punched tape
	7221	X5003	withdrawn	Information processing – Use of longitudinal parity to detect errors in information messages
	7222	X5004	withdrawn	Information processing – Character structure for start/stop and synchronous character oriented transmission
	7223	X5005	withdrawn	Information processing – Graphical representations for the control characters of the 7-bit coded character set
	7654	X5006	1997-11	Information technology - Character code structure and extension techniques
	7656	X5007	1997-11	Information technology - 8-bit code for information interchange - structure and rules for implementation
	8380	X5008	withdrawn	Numerical control of machines – 7-bit coded character set
	8381	X5009	2012-10	Information technology - Codes for the representation of human sexes
	9982	X5010	withdrawn	Data processing – Implementation of 7-bit and 8-bit coded character sets on punched cards
	10545	X5011	1983-09	Data Encryption Algorithm
	11643	X5012	2007-08	Chinese standard interchange code
	11643-1	X5012-1	withdrawn	The Usage of Chinese Standard Interchange Code
	11643-2	X5012-2	2014-04	Basic components and component attributes for Chinese characters
	11643-3	X5012-3	2007-12	Stroke classification for Chinese characters
*	12645	X5013	1989-12	Information Processing - Modes of Operation for a 64-bit Block Cipher Algorithm
	12842	X5014	2022-08	Codes for the representation of names of countries
	12873	X5015	2010-06	Codes for the representation of currencies and funds
	13078	X5016	1992-11	Information Processing - Representation of Numerical Values in Character Strings for Information Interchange
	13160	X5017	1993-02	Information Processing - Representation of SI and Other Units in Systems with Limited Character Sets
	13161	X5018	2014-10	Codes for units of measure used in international trade
	13188	X5019	2006-04	Codes for the representation of names of languages
	13188-2	X5019-2	2010-06	Codes for the representation of names of languages – Part 2 : Alpha-3 code
	13188-3	X5019-3	2012-10	Codes for the representation of names of languages part 3: Alpha-3 code for comprehensive coverage of languages
	13188-5	X5019-5	2014-10	Codes for the representation of names of languages - Part 5: Alpha-3 code for language families and groups
	13188-6	X5019-6	2014-10	Codes for the representation of names of languages - Part 6: Alpha-4 code for comprehensive coverage of language variants
	13189	X5020	2022-07	Code for international trade and transport locations

CNS no.	Category no.	Date of		Title
		Current edition		
13205	X5021	1993-05		Data interchange — Structure for the identification of organizations
13228	X5022	1993-07		Tradedata Interchange - Trade Data Elements Directory
13246	X5023	withdrawn		Information processing — 8-bit single-byte coded graphic character sets — Part 1: Latin alphabet No. 1
13246-1	X5023-1	2010-06		Information technology — 8-bit single-byte coded graphic character sets — Part 1: Latin alphabet No. 1
13246-2	X5023-2	2010-06		Information technology — 8-bit single-byte coded graphic character sets — Part 2: Latin alphabet No. 2
13246-3	X5023-3	2010-06		Information technology — 8-bit single-byte coded graphic character sets — Part 3: Latin alphabet No. 3
13246-4	X5023-4	2010-06		Information technology — 8-bit single-byte coded graphic character sets — Part 4: Latin alphabet No. 4
13246-5	X5023-5	2010-06		Information technology — 8-bit single-byte coded graphic character sets — Part 5: Latin/Cyrillic alphabet
13246-6	X5023-6	2010-06		Information technology — 8-bit single-byte coded graphic character sets — Part 6: Latin/Arabic alphabet
13246-7	X5023-7	2010-06		Information technology — 8-bit single-byte coded graphic character sets — Part 7: Latin/Greek alphabet
13246-8	X5023-8	2010-06		Information technology — 8-bit single-byte coded graphic character sets — Part 8: Latin/Hebrew alphabet
13246-9	X5023-9	2010-06		Information technology — 8-bit single-byte coded graphic character sets — Part 9: Latin alphabet No. 5
13247	X5024	withdrawn		Information processing — 8-bit single-byte coded graphic character sets — Part 2: Latin alphabet NO. 2
13283	X5025	1993-10		Electronic data interchange for administration, commerce and transport ( EDIFACT) - Application level syntax rules
13283-5	X5025-5	2004-04		Electronic data interchange for administration,commerce and transport (EDIFACT)-Application level syntax rules(Syntax version number:4)-Part5:Security rules for batch EDI (authenticity,integrity
13283-6	X5025-6	2004-04		Electronic data interchange for administration,commerce and transport (EDIFACT)-Application level syntax rules(Syntax version number:4)-Part6:Secure authentication and acknowledgement
13283-9	X5025-9	2002-09		Electronic data interchange for administration,commerce and transport (EDIFACT) — Application level syntax rules (Syntax version number: 4) - Part 9: Security key and certificate management
13323	X5026	1993-12		Electronic Data Interchange - Composite Data Element Directory
13324	X5027	1993-12		Electronic Data Interchange - Segment Directory
13325	X5028	withdrawn		Information processing - 8 - bit single - byte coded graphic character sets - Part 3: Latin alphabet No.3
13326	X5029	withdrawn		Information Processing - 8 - bit single - byte coded graphic character sets - Part 4: Latin alphabet No.4
13327	X5030	withdrawn		Information processing — 8-bit single-byte coded graphic character sets — Part 5: Latin/Cyrillic alphabet
13328	X5031	withdrawn		Information processing - 8 - bit single - byte coded graphic character sets - Part 9: Latin alpbabet No.5
13329	X5032	1993-12		Encoding parameters of Digital Television for Studio
13361	X5033	1994-03		International Numbering Plan for Public Data Networks
13384	X5034	withdrawn		Information processing - 8 - bit single - byte coded graphic character sets - Part 6: Latin/Arabic alphabet
13385	X5035	withdrawn		Information processing — 8-bit single-byte coded graphic character sets — Part 7: Latin/Greek alphabet
13386	X5036	withdrawn		Information processing - 8 - bit single - byte coded graphic character sets - Part 8: Latin/Hebrew alphabet
13398	X5037	1994-06		Data cryptographic techniques - Data integrity mechanism using a cryptographic check function employing a block cipher algorithm
13479	X5038	1995-01		information Technology - Control Functions for Coded Character Sets
13525-1	X5039-1	1995-04		Information processing - Coded character sets for text

CNS no.	Category no.	Date of		Title
		Current edition		
				communication - Part 1: General introduction
13526	X5040	1995-04		Banking - Requirements for message Authentication (Wholesale)
13527	X5041	1995-04		Banking and Related Financial Services – Requirements for Message Authentication (Retail)
13528-1	X5042-1	1995-04		Banking - Approved Algorithms for message Authentication Part 1: DEA
13528-2	X5042-2	1995-04		Banking - Approved Algorithms for message Authentication Part 2: Message Authenticator Algorithm
13529-1	X5043-1	1995-04		Banking - Procedures for Message Encipherment (Wholesale) Part 1: General Principles
13529-2	X5043-2	1995-04		Banking - Procedures for Message Encipherment (Wholesale) Part 2: DEA Algorithm
13530	X5044	1995-04		Location of codes in Trade Documents
13564-1	X5045-1	1995-07		Information Technology - Picture Coding Methods (Part 1: Identification)
13564-2	X5045-2	1995-07		Information Technology - Picture Coding Methods (Part 2: Procedure for Registration)
13565	X5046	1995-07		Information Technology - Modes of Operation for an n-bit Block Cipher Algorithm
13587	X5047	1995-10		Banking - Key Management (wholesale)
13798-1	X5048-1	1996-12		Banking - Personal Identification Number Management and Security - Part 1: PIN Protection Principles and Techniques
13798-2	X5048-2	1996-12		Banking - Personal Identification Number Management and Security - Part 2: Approved Algorithm(s) for PIN Encipherment
13799	X5049	withdrawn		Information technology - Security techniques - Digital signature schemes giving message recovery
13840	X5050	1997-03		Signalling system no.7 - signalling connection control part (SCCP) formats and codes
13846	X5051	1997-03		Signalling system no.7 - transaction capabilities formats and encoding
13884	X5052	1997-05		Numbering plan for the integrated services digital network (ISDN)
13886	X5053	2013-08		Information technology – Coded graphic character set for text communication – Latin alphabet
14105-1	X5054-1	1997-12		Information technology – Security techniques – Hash-functions – Part 1: General
14105-2	X5054-2	1997-12		Information technology – Security techniques – Hash-functions – Part 2: Hash-functions using an n-bit block cipher algorithm
14105-3	X5054-3	2007-09		Information technology - Security techniques - Hash-functions - Part 3 : Dedicated hash-functions
14105-4	X5054-4	2003-09		Information technology - Security techniques - Hash-functions - Part 4 : Hash-functions using modular arithmetic
14147-1	X5055-1	2016-06		Information technology - Font information interchange - Part 1: Architecture
14147-2	X5055-2	2016-06		Information technology - Font information interchange - Part 2: Interchange format
14147-3	X5055-3	2016-06		Information technology - Font information interchange - Part 3: Glyph shape representation
14147-4	X5055-4	2013-10		Information technology - Font information interchange - Part 4: Harmonization to Open Font Format
14156	X5056	withdrawn		Segmentation principle for chinese language processing (→ CNS 1 4 3 6 6 )
14201	X5057	1998-08		7 kHz audio-coding within 64 KBIT/S
14205	X5058	1998-08		General aspects of digital transmission systems; terminal equipments - coding of speech at 16 kbps using low-delay code excited linear prediction
14275	X5059	1998-11		Digital compression and coding of continuous - tone still images - Part 1: Requirements and guidelines
14275-2	X5059-2	1999-08		Information technology - Digital compression and coding of

CNS no.	Category no.	Date of		Title
		Current edition		
14318	X5060	1999-06		continuous - Tone still images - Part 2: Compliance testing Information processing - Data encipherment - Physical layer interoperability requirements
14357-1	X5061-1	1999-08		Information technology - Generic coding of moving pictures and associated audio information - Part 1: Systems
14357-2	X5061-2	1999-08		Information technology - Generic coding of moving pictures and associated audio information - Part 2: Video
14357-3	X5061-3	2010-09		Information technology - Generic coding of moving pictures and associated audio information - Part 3:Audio
14359	X5062	1999-08		Information technology - Coded representation of picture and audio information - Progressive bi-level image compression
14366	X5063	1999-08		Segmentation principles for chinese literature processing
14583	X5064	2001-08		Font interchange format for chinese user defined characters
14606	X5065	withdrawn		Information technology - Security techniques - Evaluation criteria for IT security - Part1: Introduction and general model (→C N S 1 5 4 0 8 - 1 )
14649	X5066	2017-10		Information technology – Universal Coded Character Set (UCS)
14649-1	X5066-1	withdrawn		Information Technology – Universal multiple – Octet Coded Character Set (UCS) – Part 1: Architecture and basic multilingual plane (replaced by CNS 14649)
14649-2	X5066-2	withdrawn		Information technology – Universal multiple – Octet Coded Character Set (UCS) – Part 2 : Supplementary planes(replaced by CNS 14649)
14754	X5067	2009-03		Sorting attributes for Chinese data processing
15408-1	X5068-1	2021-12		Information security, cybersecurity and privacy Protection – Evaluation criteria for IT security – Part 1: Introduction and general model
15408-2	X5068-2	2021-12		Information security, cybersecurity and privacy protection – Evaluation criteria for IT security – Part 2: Security functional components
15408-3	X5068-3	2021-12		Information security, cybersecurity and privacy protection – Evaluation criteria for IT security – Part 3: Security assurance components
15408-4	X5068-4	2021-12		Information security, cybersecurity and privacy protection – Evaluation criteria for IT security – Part 4: Framework for the specification of evaluation methods and activities
15408-5	X5068-5	2021-12		Information security,cybersecurity and privacy protection – Evaluation criteria for IT security – Part 5: Pre-defined packages of security requirements
14838	X5069	2004-07		Chinese character mapping table for Chinese domain names
15181	X5070	2008-06		Electronic business extensible markup language (ebXML) - Core components library
15182	X5071	2008-06		Electronic business extensible markup language (ebXML) - Part 5 : ebXML core components technical specification
15826	X5072	2015-08		Information technology – An operational model for characters and glyphs
15884	X5073	2016-05		Information technology – International string ordering and comparison – Method for comparing character strings and description of the common template tailorable ordering
15946	X5074	2016-10		Information technology – Procedure for registration of escape sequences and coded character sets
15947-28	X5075-28	2016-10		Information technology – Coding of audio-visual objects – Part 28: Composite font representation
15948-1	X5076-1	2016-10		Information technology – Biometric data interchange formats – Part 1: Framework and Conformance testing methodology

## Applications of Information

12818	X6001	1990-12	Identification Cards - Physical Characteristics
12819	X6002	1990-12	Identification Cards - Numbering System



CNS no.	Category no.	Date of		Title
		Current edition		
12819-2	X6002-2	1997-08		Identification card - Identification of issuers - Part 2: Application and registration procedures
12820	X6003	1990-12		Identification Cards - Financial Transaction Cards
12821-1	X6004-1	1990-12		Identification Cards—Recording Technique — Part 1 : Embossing
12821-2	X6004-2	1990-12		Identification Cards—Recording Technique—Part 2 : Magnetic Stripe
12821-3	X6004-3	1990-12		Identification Cards—Recording Technique—Part 3 : Location of Embossed Characters on ID-1 Cards
12821-4	X6004-4	1990-12		Identification Cards—Recording Technique—Part 4 : Location of Read-Only Magnetic Tracks—Track 1 and 2
12821-5	X6004-5	1990-12		Identification Cards—Recording Technique—Part 5 : Location of Read-Write Magnetic Track — Track3
12942	X6005	1991-12		Bank Cards - Magnetic Stripe Data Content for Track 3
12960	X6006	1992-01		Magnetic Stripes on Savingsbooks
12961	X6007	1992-01		Identification Cards — Card Originated Messages — Content for Financial Transactions
12971-1	X6008-1	1999-08		Identification cards — Integrated circuit(s) cards with contacts — Part 1: Physical characteristics
12971-2	X6008-2	1992-02		Identification Cards—Integrated Circuit(s) Cards with Contacts—Part 2: Dimensions and Location of the Contacts
12971-3	X6008-3	1999-08		Identification cards — Integrated circuit(s) cards with contacts — Part 3: Electronic signals and transmission protocols
12971-4	X6008-4	1997-08		Identification cards - Integrated circuit(s) card with contacts - Part 4: Interindustry commands for interchange
12971-5	X6008-5	1997-08		Identification cards - Integrated circuit(s) cards with contacts - Part 5: Numbering system and registration procedure for application identifiers
12971-6	X6008-6	1999-08		Identification cards — Integrated circuit(s) cards with contacts — Part 6: Interindustry data elements
12978	X6009	1997-08		Financial transaction card originated messages - Interchange specifications
13789-1	X6010-1	1996-11		Entity Authentication Mechanisms - Part 1: General Model
13789-2	X6010-2	1996-11		Entity Authentication Mechanisms - Part 2: Mechanisms Using Symmetric Encipherment Algorithm
13789-3	X6010-3	1996-11		Entity Authentication Mechanisms - Part 3: Entity Authentication Using a Public Key Algorithm
13789-4	X6010-4	1996-11		Entity Authentication Mechanisms - Part 4: Mechanisms Using a Cryptographic Check Function
13789-5	X6010-5	2004-01		Information technology — Security techniques — Entity authentication —Part 5: Mechanisms using zero knowledge techniques
13851-1	X6011-1	1997-03		Office document format: extended document structure - character, raster graphics and geometric graphics content architectures - part 1: document application profile (DAP)
13852-2	X6012-2	1997-03		Office document format: enhanced document structure - character, raster graphics and geometric graphics content architectures part 2: implementation support requirements
13854	X6013	1997-03		Information processing - text and office systems - standard generalized markup language (SGML)
13855	X6014	1997-03		Information processing - SGML support facilities - SGML document interchange format (SDIF)
13856	X6015	1997-03		Information technology - SGML support facilities - registration procedures for public text owner identifiers
13935-1	X6016-1	1997-08		Financial transaction cards - Messages between the integrated circuit card and the card-accepting device; Part 1: Concepts and structures
13935-2	X6016-2	1997-08		Financial transaction cards - Messages between the integrated circuit card and the card accepting device; part 2: Functions
13935-3	X6016-3	1997-08		Financial transaction cards - Messages between the integrated

CNS no.	Category no.	Date of		Title
		Current edition		
				circuit card and the card accepting device; part 3: Messages (Commsnds and responses)
13936-1	X6017-1	1997-08		Financial transaction cards - security architecture of financial transaction systems using integrated circuit cards - part 1: Card life cycle
13936-2	X6017-2	1999-08		Financial transaction cards - Security architecture of financial transaction systems using integrated circuit cards - Part 2: Transaction process
13936-3	X6017-3	2000-05		Financial transaction cards – Security architecture of financial transaction system using integrated circuit cards – Part 3: Cryptographic key relationships
13936-4	X6017-4	1999-08		Financial transaction cards - Security architecture of financial transaction systems using integrated circuit cards - Part 4: Secure application modules
13936-5	X6017-5	1997-08		Financial transaction cards – Security architecture of financial transaction systems using integrated circuit cards – Part 5: Use of algorithms
13936-6	X6017-6	1997-08		Financial transaction cards – Security architecture of financial transaction systems using integrated circuit cards – Part 6: Cardholder verification
13936-7	X6017-7	2000-05		Financial transaction cards – Security architecture of financial transaction system using integrated circuit cards – Part7: Key management
13936-8	X6017-8	2000-05		Financial transaction cards – Security architecture of financial transaction system using integrated circuit cards – Part8: General principles and overview
13938-1	X6018-1	1997-08		Identification cards - contactless integrated circuit(s) cards; part 1: Physical characteristics
13938-2	X6018-2	1997-08		Identification cards - Contactless integrated circuit(s) cards - Part 2: Dimensions and location of coupling areas
13939	X6019	1997-08		Identification cards - Optical memory cards; General characteristics
13940-1	X6020-1	1997-08		Identification cards - Optical memory cards - Linear recording method; Part 1: Physical characteristics
13940-2	X6020-2	1997-08		Identification cards - Optical memory cards - Linear recording method - Part 2: Dimensions and location of the accessible optical area
13940-3	X6020-3	1997-08		Identification cards - Optical memory cards - Linear recording method; Part 3: Optical properties and characteristics
14107	X6021	1997-12		Banking and related financial services – Sign-on authentication
14176-1	X6022-1	withdrawn		Digital imaging and communications in medicine (DICOM) - Part 1: Introduction and overview
14176-2	X6022-2	withdrawn		Digital imaging and communications in medicine (DICOM) - Part 2: Conformance
14176-3	X6022-3	withdrawn		Digital imaging and communication in medicine (DICOM) - Part 3: Information object definitions
14176-4	X6022-4	withdrawn		Digital imaging and communications in medicine (DICOM) - Part 4: Service class specifications
14176-5	X6022-5	withdrawn		Digital imaging and communication in medicine (DICOM) - Part 5: Data structures and encoding
14176-6	X6022-6	withdrawn		Digital imaging and communications in medicine (DICOM) - Part 6: Data dictionary
14176-7	X6022-7	withdrawn		Digital imaging and communications in medicine (DICOM) - Part 7: Message exchange
14176-8	X6022-8	withdrawn		Digital imaging and communications in medicine (DICOM) - Part 8: Network communication support for message exchange
14176-9	X6022-9	withdrawn		Digital imaging and communications in medicine (DICOM) - Part 9: Point to point communication support for message exchange
14176-10	X6022-10	withdrawn		Digital imaging and communications in medicine (DICOM) - Part 10: Media storage and file format for media interchange

CNS no.	Category no.	Date of		Title
		Current edition		
14176-11	X6022-11	withdrawn		Digital imaging and communications in medicine (DICOM) - Part 11: Media storage application profiles
14176-12	X6022-12	withdrawn		Digital imaging and communications in medicine (DICOM) - Part 12: Media formats and physical media for media interchange
14176-14	X6022-14	withdrawn		Digital imaging and communications in medicine (DICOM) - Part 14: Grayscale standard display function
14176-15	X6022-15	withdrawn		Digital imaging communications in medicine (DICOM) - Part 15: Security profile
14176-18	X6022-18	withdrawn		Digital imaging and communications in medicine (DICOM) - Part 18: Web Access to DICOM Persistent Objects (WADO)
14232	X6023	withdrawn		Health level seven (HL7)
14232-1	X6023-1	2010-05		Health Level Seven (HL7) - Part 1: Introduction
14232-2	X6023-2	2010-09		Health Level Seven (HL7) - Part 2: Control
14232-3	X6023-3	2010-09		Health Level Seven (HL7) - Part 3: Patient administration
14232-4	X6023-4	2010-05		Health Level Seven (HL7) - Part 4: Order entry
14232-5	X6023-5	2010-06		Health Level Seven (HL7) - Part 5: Query
14232-6	X6023-6	2010-06		Health Level Seven (HL7) - Part 6: Financial management
14232-7	X6023-7	2010-06		Health Level Seven (HL7) - Part 7: Observation reporting
14232-8	X6023-8	2010-06		Health Level Seven (HL7) - Part 8: Master files
14232-9	X6023-9	2010-05		Health Level Seven (HL7) - Part 9: Medical records/Information management
14232-10	X6023-10	2010-06		Health Level Seven (HL7) - Part 10: Scheduling
14232-11	X6023-11	2010-05		Health Level Seven (HL7) - Part 11: Patient referral
14232-12	X6023-12	2010-05		Health Level Seven (HL7) - Part 12: Patient care
14232-13	X6023-13	2010-06		Health Level Seven (HL7) - Part 13: Clinical laboratory automation
14232-14	X6023-14	2010-06		Health Level Seven (HL7) - Part 14: Application management
14232-15	X6023-15	2010-06		Health Level Seven (HL7) - Part 15: Personnel management
14232-16	X6023-16	2010-09		Health Level Seven (HL7) - Part 16: Appendix
14233	X6024	1998-08		Information processing - SGML support facilities - Techniques for using SGML
14233-11	X6024-11	1998-08		Information processing - SGML support facilities - Techniques for using SGML - Part 11: Application at ISO central secretariat for international standards and technical reports
14233-13	X6024-13	1998-08		Information processing - SGML support facilities - Techniques for using SGML - Part 13: Public entity sets for mathematics and science
14234	X6025	1998-08		Information technology - Processing languages - Document style semantics and specification language (DSSSL)
14235	X6026	1998-08		Information technology - Hypermedia/time-based structuring language (HyTime)
14236	X6027	1998-08		Information technology - SGML and text-entry systems - Guideline for SGML syntax-directed editing systems
14237	X6028	1998-08		Information and documentation - Electronic manuscript preparation and markup
14319-3	X6029-3	2003-06		Information technology-Open Document Architecture(ODA)and interchange format-Part 3:Abstract interface for the manipulation of ODA document
14319-4	X6029-4	2003-06		Information technology-Open Document Architecture(ODA)and interchange format-Part 4:Document profile
14319-5	X6029-5	2003-07		Information technology – Open Document Architecture (ODA) and interchange format – Part 5 : Open document interchange format
14319-6	X6029-6	2003-07		Information technology – Open Document Architecture (ODA) and interchange format Part 6 : Character content architecture
14319-7	X6029-7	2003-07		Information technology – Open Document Architecture (ODA) and interchange format Part 7 : Raster graphics content architecture
14319-8	X6029-8	2003-07		Information technology – Open Document Architecture (ODA) and interchange format Part 8 : Geometric graphics content architecture
14319-10	X6029-10	1999-06		Information technology - Open document architecture (ODA) and

CNS no.	Category no.	Date of		Title
		Current edition		
				interchange format - Part 10: Formal specification
14319-11	X6029-11	1999-06		Information technology - Open document architecture (ODA) and interchange format - Part 10: Formal specification
14319-12	X6029-12	1999-06		Information technology - Open document architecture (ODA) and interchange format - Part 11: Tabular structures and tabular layout
14356	X6030	1999-08		Information technology - Open document architecture (ODA) and interchange format - Part 12: Identification of document fragments
14356-1	X6030-1	2001-11		Information Technology - Open Document Architecture(ODA)and Interchange Format: Document Structures
14379-1	X6031-1	withdrawn		Banking – Key management by means of asymmetric algorithms – Part 1: Principles, procedures and formats
14379-2	X6031-2	withdrawn		Banking – Key management by means of asymmetric algorithms – Part 2: Approved algorithms using the RSA cryptosystem
14380-1	X6032-1	1999-08		Banking - Key management (retail) - Part 1: Introduction to key management
14380-2	X6032-2	1999-08		Banking - Key management (retail) - Part 2: Key management techniques for symmetric ciphers
14380-3	X6032-3	1999-08		Banking - Key management (retail) - Part 3: Key life cycle for symmetric ciphers
14381-1	X6033-1	2007-09		Information technology - Security techniques - Key management-Part 1 : Framework
14381-2	X6033-2	1999-08		Information technology - Security techniques - Key management - Part 2: Mechanisms using symmetric techniques
14381-3	X6033-3	2007-09		Information technology - Security techniques - Key management - Part 3 : Mechanism using asymmetric techniques
14510-1	X6034-1	2007-09		Information technology - Security techniques - Non-repudiation - Part 1 : General
14510-2	X6034-2	2001-01		Information technology – Security techniques – Non-repudiation – Part 2 : Mechanisms using symmetric techniques
14510-3	X6034-3	2001-01		Information technology – Security techniques – Non-repudiation – Part 3 : Mechanisms using asymmetric techniques
14510-4	X6034-4	withdrawn		Information technology - Security techniques - IT network security - Part 4: Securing remote access
14563	X6035	2001-07		Information technology – Security techniques – Digital signature schemes giving message recovery – Part 2: Mechanisms using a hash-function
14564	X6036	2001-07		Information technology – Open systems interconnection – Security frameworks for open systems – Part 4: Non-repudiation framework
14629-1	X6037-1	2002-03		Information technology – security techniques – digital signatures with appendix – part1: General
14629-3	X6037-3	2004-01		Information technology – Security techniques – Digital signature with appendix – Part 3: Certificate-based mechanisms
14644	X6038	2002-05		Banking and related financial services - Information security guidelines
14686	X6039	2002-09		Information technology – Security techniques – Procedures for the registration of cryptographic algorithms
27002	X6040	2023-01		Information security, cybersecurity and privacy protection – Information security controls
17799	X6040	withdrawn		Information technology - Security techniques - Code of practice for information security management
17800	X6041	withdrawn		Information technology - Specification for information security management systems (→CNS 27001)
14728	X6042	2003-03		Interworking between networks operating at bit rates less than 64 kbit/s with 64 kbit/s-based ISDN and B-ISDN
14731	X6043	withdrawn		Guidelines for the accreditation of bodies operating certification/registration of information security management systems
14770-1	X6044-1	2003-09		Banking - Secure cryptographic devices(retail) - Part 1 : Concepts, requirements and evaluation methods

CNS no.	Category no.	Date of		Title
		Current edition		
14785-1	X6045-1	withdrawn		Information technology — Software process assessmentPart 1: Concepts and introductory guide
14785-2	X6045-2	withdrawn		Information technology — Software process assessmentPart 2: A reference model for processes and process capability
14785-3	X6045-3	withdrawn		Information technology - Software process assessmentPart 3: Performing an assessment
14785-4	X6045-4	withdrawn		Information technology — Software process assessment — Part 4: Guide to performing assessments
14785-5	X6045-5	withdrawn		Information technology - Software process assessment - Part 5: An assessment model and indicator guidance
14785-6	X6045-6	withdrawn		Information technology - Software process assessment - Part 6: Guide to competency of assessors
14785-7	X6045-7	withdrawn		Information technology - Software process assessment - Part 7: Guide for use in process improvement
14785-8	X6045-8	withdrawn		Information technology - Software process assessment - Part 8: Guide for use in determining supplier process capability
14785-9	X6045-9	withdrawn		Information technology - Software process assessment - Part 9: Vocabulary
14929-1	X6046-1	2008-12		Information technology - Security techniques - Management of information and communications technology security - Part 1: Concepts and models for information and communications
14929-2	X6046-2	withdrawn		Information technology - Guidelines for the management of IT security - Part 2: Managing and planning IT security
14929-3	X6046-3	2005-05		Information technology - Guidelines for the management of IT security - Part 3: Techniques for the management of IT security
14929-4	X6046-4	2005-05		Information technology - Guidelines for the management of IT security - Part 4: Selection of safeguards
14929-5	X6046-5	2006-02		Information technology - Guidelines for the management of IT security - Part 5: Management guidance on network security
14992	X6047	2006-06		Information technology - Security techniques - IT intrusion detection framework
14993	X6048	2006-06		Information technology - Security techniques - Protection profile registration procedures
27001	X6049	2023-01		Information security, cybersecurity and privacy protection – Information security management systems – Requirements
15099	X6050	2011-09		Information technology - System Security Engineering - Capability Maturity Model
20000-1	X6053-1	2017-12		Information technology – Service management –Part 1: Service management system requirements
20000-2	X6053-2	2020-08		Information technology – Service management – Part 2: Guidance on the application of service management systems
15133	X6054	2007-12		Information technology - Security techniques - Guidelines for the use and management of Trusted Third Party services
15134-2	X6055-2	2012-01		Information technology - Security techniques - IT network security - Part 2: Network security architecture
15134-3	X6055-3	2007-12		Information technology - Security techniques - IT network security - Part 3 : Securing communications between networks using security gateways
15134-4	X6055-4	2012-07		Information technology - Security techniques - IT network security - Part 4: Securing remote access
15134-5	X6055-5	2012-07		Information technology - Security techniques - IT network security - Part 5: Securing communications across networks using virtual private networks
15135	X6056	2007-12		Information technology - Security techniques - Security requirements for cryptographic modules
15190	X6057	2008-05		Appraisal requirements for CMMI
15200-1	X6058-1	withdrawn		Information technology - Home Electronic System ( HES ) architecture - part 1 : Introduction

CNS no.	Category no.	Date of		Title
		Current edition		
15201	X6059	2008-06		Information technology - Terminology for the Home Electronic System (HES)
15208-1	X6060-1	2010-06		Linux Standard Base (LSB) core specification 3.2 – Part 1: Generic specification
15208-2	X6060-2	2008-12		Linux Standard Base (LSB) core specification 3.1 – Part 2: Specification for IA32 architecture
15209-1	X6061-1	2008-09		Information technology –Home electronic system (HES) interfaces - Part 1: Universal Interface (UI) Class 1
15209-2	X6061-2	2008-09		Information technology –Home Electronic System (HES) Interfaces – Part 2: Simple Interface Type 1
15210-1	X6062-1	2008-12		Information technology - Radio frequency identification for item management - Part 1: Reference architecture and definition of parameters to be standardized
15210-2	X6062-2	2008-12		Information technology - Radio frequency identification for item management - Part 2: Parameters for air interface communications below 135kHz
15210-3	X6062-3	2008-12		Information technology - Radio frequency identification for item management - Part 3: Parameters for air interface communications at 13.56MHz
15210-4	X6062-4	2009-11		Information technology - Radio frequency identification for item management - Part 4: Parameters for air interface communications at 2.45GHz
15210-6	X6062-6	2009-11		Information technology - Radio frequency identification for item management - Part 6: Parameters for air interface communications at 860MHz to 960MHz
15210-7	X6062-7	2009-11		Information technology - Radio frequency identification for item management - Part 7: Parameters for active air interface communications at 433MHz
15211	X6063	2010-06		Health informatics - Digital imaging and communication in medicine (DICOM) including workflow and data management
15215	X6064	2008-12		Information technology - Security techniques - Information security incident management
15216	X6065	2008-12		Information technology - Security techniques - Guide for the production of Protection Profiles and Security Targets
15234-1	X6066-1	2009-03		Information technology - Security techniques - Cryptographic techniques based on elliptic curves - Part 1: General
15234-2	X6066-2	2009-03		Information technology - Security techniques - Cryptographic techniques based on elliptic curves - Part 2: Digital signatures
15234-3	X6066-3	2009-03		Information technology - Security techniques - Cryptographic techniques based on elliptic curves - Part 3: Key establishment
15234-4	X6066-4	2009-03		Information technology - Security techniques - Cryptographic techniques based on elliptic curves - Part 4: Digital signatures giving message recovery
15251	X6067	withdrawn		Information technology - Open document format for office applications
15251-1	X6067-1	2019-09		Information technology – Open document format for office applications (OpenDocument) v1.2 – Part 1: OpenDocument schema
15251-2	X6067-2	2019-09		Information technology – Open document format for office applications (OpenDocument) v1.2 – Part 2: Recalculated formula (OpenFormula) format
15251-3	X6067-3	2019-09		Information technology – Open document format for office applications (OpenDocument) v1.2 – Part 3: Packages
15252	X6068	2009-05		Industrial automation systems and integration - Open systems application integration framework - Part 5: Reference description for HDLC-based control systems
15253	X6069	2009-05		Numeric keyboard for Home Electronic Systems (HES)
15275-1	X6070-1	2009-07		Information technology - Automatic identification and data capture

CNS no.	Category no.	Date of		Title
		Current edition		
				(AIDC) techniques - Harmonized vocabulary - Part 1: General terms relating to AIDC
15275-2	X6070-2	2013-08		Information technology - Automatic identification and data capture (AIDC) techniques - Harmonized vocabulary - Part 2: Optically readable media (ORM)
15275-3	X6070-3	2009-07		Information technology - Automatic identification and data capture (AIDC) techniques - Harmonized vocabulary - Part 3: Radio frequency identification (RFID)
15275-4	X6070-4	2013-08		Information technology - Automatic identification and data capture (AIDC) techniques - Harmonized vocabulary - Part 4: General terms relating to radio communications
15275-5	X6070-5	2013-08		Information technology - Automatic identification and data capture (AIDC) techniques - Harmonized vocabulary - Part 5: Locating systems
15243-1	X6071-1	2009-11		Information technology – Home Electronic System (HES) architecture –Part 1: Introduction
15243-2	X6071-2	2009-05		Information technology – Home Electronic System (HES) architecture – Part 2: Device modularity
15243-3	X6071-3	2009-05		Information technology – Home Electronic Systems (HES) architecture – Part 3: Communication layers
15243-4	X6071-4	2012-11		Information technology –Home Electronic System (HES) architecture –Part 4: Home and building automation in a mixed-use building
27005	X6072	2013-10		Information technology – Security techniques – Information security risk management
27006	X6073	2018-12		Information technology – Security techniques – Requirements for bodies providing audit and certification of information security management systems
15295	X6074	2010-02		Radio-frequency identification of animals - Code structure
15296	X6075	2010-02		Radio-frequency identification of animals - Technical concept
15297-1	X6076-1	2010-02		Radio-frequency identification of animals - Advanced transponders - Part 1: Air interface
15321	X6077	2010-09		Guide for information and communications accessibility technology - General
15322	X6078	2010-06		Information technology - Radio frequency identification (RFID) for item management - Data Protocol: application interface
15323	X6079	2010-06		Information technology - Radio frequency identification (RFID) for item management - Data protocol: data encoding rules and logical memory functions
15324	X6080	2010-06		Information technology - Radio frequency identification for item management - Unique identification for RF tags
15325	X6081	2010-06		Information technology - Radio frequency identification for item management - Application requirements profiles
15326	X6082	2010-06		Information technology - Automatic identification and data capture techniques - Syntax for high-capacity ADC media
15327-1	X6083-1	2019-09		Information technology – Automatic identification and data capture techniques – Unique identification – Part 1 : Individual transport units
15327-2	X6083-2	2019-09		Information technology – Automatic identification and data capture techniques – Unique identification – Part 2 : Registration procedures
15327-3	X6083-3	2019-09		Information technology – Automatic identification and data capture techniques – Unique identification – Part 3: Common rules
15327-4	X6083-4	2019-09		ISO/IEC 15459 - 4: 2014 Information technology – Automatic identification and data capture techniques – Unique identification – Part 4: Individual products and product packages
15327-5	X6083-5	2019-09		Information technology – Automatic identification and data capture techniques – Unique identification – Part 5: Individual returnable transport items (RTIs)
15327-6	X6083-6	2019-09		Information technology – Automatic identification and data capture

CNS no.	Category no.	Date of		Title
		Current edition		
15328	X6084	2010-06		techniques – Unique identification – Part 6: Groupings Information technology - Automatic identification and data capture techniques - Radio frequency identification device performance test methods
15328-3	X6084-3	2010-06		Information technology - Radio frequency identification device performance test methods - Part 3: Test methods for tag performance
15329-2	X6085-2	2015-04		Information technology - Radio frequency identification device conformance test methods - Part 2: Test methods for air interface communications below 135 kHz
15329-3	X6085-3	2010-06		Information technology - Radio frequency identification device conformance test methods - Part 3: Test methods for air interface communications at 13.56 MHz
15329-4	X6085-4	2010-06		Information technology - Radio frequency identification device conformance test methods - Part 4: Test methods for air interface communications at 2.45 GHz
15329-6	X6085-6	2010-06		Information technology - Radio frequency identification device conformance test methods - Part 6: Test methods for air interface communications at 860 MHz to 960 MHz
15329-7	X6085-7	2010-06		Information technology - Radio frequency identification device conformance test methods - Part 7: Test methods for active air interface communications at 433 MHz
15427	X6086	2011-01		Information technology - Security techniques - Specification of TTP services to support the application of digital signatures
15428	X6087	2011-01		Information technology - Security techniques - Security information objects for access control
15429-2	X6088-2	2011-01		Banking - Secure cryptographic devices (retail) - Part 2: Security compliance checklists for devices used in financial transactions
15430	X6089	2011-01		Information technology - Programming languages, their environments and system software interfaces - Technical Report on the Conflicts between the POSIX and the LSB (ISO/IEC 23360)
15482	X6090	2011-09		Corporate governance of information technology
15516	X6091	2011-11		Information technology - Security techniques - Selection, deployment and operations of intrusion detection systems
15567-2	X6092-2	2012-11		Information technology - Home Electronic Systems (HES) application model - Part 2: Lighting model for HES
15567-3	X6092-3	2012-11		Information technology – Home Electronic System (HES) application model – Part 3: model of an energy management system for HES
15567-4	X6092-4	2012-11		Information technology - Home Electronic System (HES) application model - Part 4: Security system for HES
15594	X6093	2012-11		Information technology - Generic cabling for homes
15595-1	X6094-1	2012-11		Information technology – Home electronic system – Guidelines for product interoperability – Part 1: Introduction
15596	X6095	2012-11		Human-centred design processes for interactive systems
15597-1	X6096-1	2012-12		Information technology–Home Electronic System (HES) gateway – Part 1: Residential gateway model for HES
15614	X6097	2013-05		Information technology – Telecommunications and information exchange between systems – Near Field Communication – Interface and Protocol (NFCIP-1)
15615	X6098	2013-04		Information technology - Telecommunications and information exchange between systems - Near Field Communication Interface and Protocol - 2 (NFCIP - 2)
15616	X6099	2013-05		Information technology – Radio frequency identification for item management – Elementary tag licence plate functionality for ISO/IEC 18000 air interface definitions
15617-1	X6100-1	2013-07		Information technology — Real-time locating systems (RTLS) — Part 1: Application program interface (API)
15617-2	X6100-2	2013-07		Information technology – Real-time locating systems (RTLS) – Part



CNS no.	Category no.	Date of		Title
		Current edition		
				2: 2.4 GHz air interface protocol
27000	X6101	2016-03		Information technology – Security techniques – Information security management systems – Overview and vocabulary
27003	X6102	2013-04		Information technology – Security techniques – Information security management system implementation guidance
27004	X6103	2013-01		Information technology – Security techniques – Information security management – Measurement
15653	X6104	2013-06		Information technology - Security techniques - Guidelines for information and communications technology disaster recovery services
15664	X6105	2013-07		Technical product documentation - Document management
15670	X6106	2013-08		Quality and performance of office equipment that contains reused components
15681	X6107	2013-09		Data model for content to learning management system communication
15682	X6108	2013-09		Extensible Markup Language (XML) schema binding for data model for content object communication
15683	X6109	2013-09		Standard representation of geographic point location by coordinates
27010	X6110	2013-12		Information technology - Security techniques - Information security management for inter-sector and inter-organizational communications
27014	X6111	2013-12		Information technology - Security techniques - Governance of information security
29100	X6112	2014-06		Information technology - Security techniques - Privacy framework
29100-1	X6112-1	2019-09		Information technology – Security techniques – Specification for a personal information management system
29100-2	X6112-2	2019-09		Information technology – Security techniques – Requirements for a personal information de-identification process management system
27032	X6113	2014-12		Information technology - Security techniques - Guidelines for cybersecurity
29191	X6114	2015-06		Information technology - Security techniques - Requirements for partially anonymous, partially unlinkable authentication
15897	X6115	2016-07		Information technology - User interfaces - Accessible user interface for accessibility settings
15949-1	X6116-1	2016-10		Information technology – Interoperability with assistive technology (AT) – Part 1: Requirements and recommendations for interoperability
15949-3	X6116-3	2017-10		Information technology – Interoperability with Assistive Technology (AT) – Part 3: IAccessible2 accessibility application programming interface (API)
27016	X6117	2016-11		Information technology - Security techniques - Information security management - Organizational economics
27018	X6118	2016-11		Information technology - Security techniques - Code of practice for protection of personally identifiable information (PII) in public clouds acting as PII processors
15963	X6119	2017-01		Information technology – Automatic identification and data capture techniques – Data Matrix bar code symbology
15964	X6120	2017-01		Information technology – Automatic identification and data capture techniques – QR Code bar code symbology
27036-1	X6121-1	2017-06		Information technology – Security techniques – Information security for supplier relationships – Part 1: Overview and concepts
27036-2	X6121-2	2018-07		Information technology – Security techniques – Information security for supplier relationships – Part 2: Requirements
17788	X6122	2017-08		Information technology – Cloud computing – Overview and vocabulary
19766	X6123	2017-12		Information technology – Guidelines for the design of icons and symbols accessible to all users, including the elderly and persons with disabilities

CNS no.	Category no.	Date of		Title
		Current edition		
19086-1	X6123-1	2017-10		Information technology – Cloud computing – Service level agreement (SLA) framework – Part 1: Overview and concepts
19086-2	X6123-2	2020-11		Information technology – Cloud computing – Service level agreement (SLA) framework – Part 2: Metric model
19086-3	X6123-3	2018-09		Information technology – Cloud computing – Service level agreement (SLA) framework – Part 3: Core conformance requirements
19086-4	X6123-4	2021-07		Information technology – Cloud computing – Service level agreement (SLA) framework – Part 4: Components of security and of protection of PII
27019	X6124	2018-02		Information technology – Security techniques – Information security management guidelines based on CNS 27002 for process control systems specific to the energy utility industry
29101	X6125	2017-12		Information technology – Security techniques – Privacy architecture framework
29136	X6126	2017-12		Information technology – User interfaces – Accessibility of personal computer hardware
62907	X6127	2017-12		Use cases related to ambient assisted living (AAL) in the field of audio, video and multimedia systems and equipment
17789	X6128	2018-10		Information technology – Cloud computing – Reference architecture
20071-11	X6129-11	2018-11		Information technology – User interface component accessibility – Part 11: Guidance for alternative text for images
20071-15	X6129-15	2020-12		Information technology – User interface component accessibility – Part 15: Guidance on scanning visual information for presentation as text in various modalities
20071-21	X6129-21	2018-11		Information technology – User interface component accessibility – Part 21: Guidance on audio descriptions
20071-23	X6129-23	2020-12		Information technology – User interface component accessibility – Part 23: Visual presentation of audio information (including captions and subtitles)
20071-25	X6129-25	2018-11		Information technology – User interface component accessibility – Part 25: Guidance on the audio presentation of text in videos, including captions, subtitles and other on-screen text
27009	X6130	2018-11		Information technology – Security techniques-sector – Specific application of CNS 27001 – Requirements
29151	X6131	2019-09		Information technology – Security techniques – Code of practice for personally identifiable information protection
29182-1	X6132-1	2019-11		Information technology – Sensor networks: Sensor Network Reference Architecture (SNRA) – Part 1: General overview and requirements
29182-2	X6132-2	2019-11		Information technology – Sensor networks: Sensor Network Reference Architecture (SNRA) – Part 2: Vocabulary and terminology
29182-3	X6132-3	2019-11		Information technology – Sensor networks: Sensor Network Reference Architecture (SNRA) – Part 3: Reference architecture views
29182-4	X6132-4	2019-11		Information technology – Sensor networks: Sensor Network Reference Architecture (SNRA) – Part 4: Entity models
29182-5	X6132-5	2019-11		Information technology – Sensor networks: Sensor Network Reference Architecture (SNRA) – Part 5: Interface definitions
29182-6	X6132-6	2020-05		Information technology – Sensor networks: Sensor Network Reference Architecture (SNRA) – Part 6: Applications
29182-7	X6132-7	2020-05		Information technology – Sensor networks: Sensor Network Reference Architecture (SNRA) – Part 7: Interoperability guidelines
29134	X6133	2019-11		Information technology – Security techniques – Guidelines for privacy impact assessment
20889	X6134	2020-05		Privacy enhancing data de-identification terminology and classification of techniques

CNS no.	Category no.	Date of		Title
		Current edition		
20301	X6135	2020-06		Health informatics – Health cards – General characteristics
20302	X6136	2020-06		Health informatics – Health cards – Numbering system and registration procedure for issuer identifiers
19637	X6138	2020-10		Information technology – Sensor network testing framework
20005	X6139	2020-11		Information technology – Sensor networks – Services and interfaces supporting collaborative information processing in intelligent sensor networks
27701	X6140	2020-12		Security techniques – Extension to CNS 27001 and CNS 27002 for privacy information management – Requirements and guidelines
30101	X6141	2020-12		Information technology – Sensor networks – Sensor network and its interfaces for smart grid system
30128	X6142	2020-12		Information technology – Sensor networks – Generic sensor network application interface
62443-1-1	X6143-1-1	2020-12		Industrial communication networks – Network and system security – Part 1-1: Terminology, concepts and models
62443-2-4	X6143-2-4	2022-12		Security for industrial automation and control systems – Part 2-4: Security program requirements for IACS service providers
62443-3-1	X6143-3-1	2021-12		Industrial communication networks – Network and system security – Part 3-1 : Security technologies for industrial automation and control systems
62443-3-3	X6143-3-3	2022-12		Industrial communication networks – Network and system security – Part 3-3: System security requirements and security levels
62443-4-1	X6143-4-1	2021-12		Security for industrial automation and control systems – Part 4-1: Secure product development lifecycle requirements
62443-4-2	X6143-4-2	2022-11		Security for industrial automation and control systems – Part 4-2: Technical security requirements for IACS components
16151	X6144	2021-03		Security capabilities supporting safety of the internet of things
16176	X6145	2022-08		Cybersecurity requirements for built-in software on smartphone systems
16177	X6146	2022-08		Cybersecurity test methods for built-in software on smartphone systems
16190	X6147	2023-01		Cybersecurity for consumer internet of things: Baseline requirements
27400	X6148	2023-01		Cybersecurity – IoT security and privacy – Guidelines
30141	X6149	2023-01		Internet of Things(IoT) – Reference architecture
21549-1	X6317-1	2020-06		Health informatics – Patient healthcard data – Part 1 : General structure

## Testing, Verification and Validation

	12010	X7001	withdrawn	Method of test for serial impact dot matrix printer (→CNS 1 4 3 3 6)
	12045	X7002	withdrawn	Method of test for keyboard (→CNS 1 4 3 3 6)
	12046	X7003	withdrawn	Method of test for personal computer (→CNS 1 4 3 3 6)
*	12340	X7004	1997-03	Method of test for terminal
	13937	X7005	1997-08	Identification cards - Test methods
	15136	X7006	2007-12	Learning Object Metadata (LOM)
	15221	X7007	2008-12	Syntax for the digital object identifier
	15222	X7008	2008-12	Information and documentation - The Dublin Core metadata element set

**Z Industrial Safety**

		Date of		
CNS no.	Category no.	Current edition		Title
<b>General</b>				
1261	Z1001	1987-10		Safety Code for Steel Cylinder of Highly Compressed Oxygen
1306	Z1002	withdrawn		Color Code for Industrial Safety (for Labeling Dangerous Materials and Identifying Equipment) (→CNS 9 3 2 8)
*	1325	Z1003	1986-10	Safety Code for Steel Cylinder of Liquefied Ammonia
*	1332	Z1004	1992-07	Safety Code for Liquefied Petroleum Gas (for Family Use)
	1363	Z1005	withdrawn	Safety code for mechanical power transmission
	1467	Z1006	1962-12	Recording and Computing Methods for Labor Injury
	2223	Z1007	1987-10	Safety Code for Grinding Wheels
	2224	Z1008	withdrawn	Safety Code for Refillable Weld Steel Cylinder of Dissolved Acetylene
	2502	Z1009	1987-10	Code for Plastic Industry of Preventing Dust-Explosion
	2571	Z1010	1993-08	Safety Code for Storage Transportation and Use of Liquefied Chlorine
	2650	Z1011	withdrawn	Safety code for rolling machines for rubber industry
	3415	Z1012	1987-10	Safety Code for Power Rolling Machines (General Rule)
	3416	Z1013	1987-10	Safety Code for Power Presses (Definitions)
	3417	Z1014	1987-10	Safety Code for Power Press (Construction and Installation of Press )
	3418	Z1015	1991-03	Safety Code for Power Press (Safeguarding at the Point of Operation )
	3419	Z1016	1987-10	Safety Code for Power Press (Power Press Auxiliary Equipment )
	3420	Z1017	1987-10	Safety Code for Power Press (Design Construction, and Setting of Die )
	3421	Z1018	1987-10	Safety Code for Power Rolling Machines (Inspection)
	3326	Z1019	1987-10	Safety Code of High Pressure for Freezing Devices
	3364	Z1020	1993-10	Standard for the Prevention of Fires and Explosion in Grain Elevators
	3658	Z1021	withdrawn	Classification for fire disaster
	7249	Z1022	2009-01	Liquefied ammonia tank on truck or trailer
	8069	Z1023	withdrawn	Safety Code for Liquefied Petroleum Gas Filling Plant
	9328	Z1024	2014-12	Graphical symbols - Safety colors and safety signs - Part 1: Design principles for safety signs and safety markings
	9329	Z1025	2018-04	Ships and marine technology – Identification colours for the content of piping systems
	9330	Z1026	2018-04	Safety signs – General specification
	9331	Z1027	2018-04	Safety colours – General specification
	9332	Z1028	2016-08	Safety colours and safety signs – Classification, performance and durability of safety signs
	9641	Z1029	withdrawn	Powder actuated tools
	9642	Z1030	withdrawn	Safety standard for powder actuated tools
	9643	Z1031	withdrawn	Powder load
	9644	Z1032	withdrawn	Drive pin
	9646	Z1033	withdrawn	General rule of fluorescent safety colour
	9647	Z1034	withdrawn	Fluorescent safety sign
*	9648	Z1035	withdrawn	Lantern-type safety sign
	10207	Z1036	2007-02	Exit lights and emergency direction lights
*	10208	Z1037	1995-05	Refuge Escape Direction Guide
	10670	Z1038	withdrawn	Ovens used with town gas (→CNS 1 3 6 0 4)
*	10779	Z1039	2011-10	Lighting of roads for motor and pedestrian traffic
	10781	Z1040	2006-10	Lighting for pedestrian crossing
	10839	Z1041	1989-07	Chromaticity Classification of Fluorescent Lamps
	10840	Z1042	1984-03	Chromaticity Domain of Discharge Lamps
	11640	Z1043	1988-06	The Safe Use of Lasers
	12112	Z1044	2012-01	Lighting of indoor work places
	12281	Z1045	1988-04	Recommendation for Lighting of Traffic Tunnels
	13284	Z1046	1993-10	Guide for Explosions Venting
	13350	Z1047	withdrawn	The safety code of mechanical parking lot devices (General principle)(replaced by CNS 16036)

CNS no.	Category no.	Date of		Title
		Current edition		
13350-1	Z1047-1	1994-02		The Safety Code of Mechanical Parking Lot Devices (Vertical Circulating Type)
13350-2	Z1047-2	1994-02		The Safety Code of Mechanical Parking Lot Devices (Horizontal Plane Reciprocating Type)
13350-3	Z1047-3	1994-02		The Safety Code of Mechanical Parking Lot Devices (Elevator Type)
13350-4	Z1047-4	1994-02		The Safety Code of Mechanical Parking Lot Devices (Horizontal Preciprocating Type)
13350-5	Z1047-5	1994-02		The Safety Code of Mechanical Parking Lot Devices (Multi - Circulating Type)
13350-6	Z1047-6	1994-02		The Safety Code of Mechanical Parking Lot Devices (Merry Goround Type)
13350-7	Z1047-7	1997-05		Mechanical parking lot devices (elevators for car use)
13350-8	Z1047-8	1994-02		The Safety Code of Mechanical Parking Lot Devices (Simple Elevator Type)
13350-9	Z1047-9	1994-02		The Safety Code of Mechanical Parking Lot Devices (Multi Stage Type)
13350-10	Z1047-10	1994-02		The Safety Code of Mechanical Parking Lot Devices (Elevator Sliding Type)
14254	Z1048	1998-10		Glossary of terms for respiratory protective devices
14402	Z1049	2006-07		Anti-drive devices for tank lorry on highway
14741	Z1050	2007-02		Diaphragm type gas meter with micro computers for nature gas use
*	15030	Z1051	2015-01	Classification and labelling of chemicals - General rules
*	15030-1	Z1051-1	2008-12	Classification and labelling of chemicals - Explosives
*	15030-2	Z1051-2	2015-01	Classification and labelling of chemicals - Flammable gases (including chemically unstable gases)
*	15030-3	Z1051-3	2015-01	Classification and labelling of chemicals - aerosols
*	15030-4	Z1051-4	2015-01	Classification and labelling of chemicals - Oxidizing gases
*	15030-5	Z1051-5	2015-01	Classification and labelling of chemicals - Gases under pressure
*	15030-6	Z1051-6	2015-01	Classification and labelling of chemicals - Flammable liquids
*	15030-7	Z1051-7	2015-01	Classification and labelling of chemicals - Flammable solids
*	15030-8	Z1051-8	2008-12	Classification and labelling of chemicals - Self-reactive substances and mixtures
*	15030-9	Z1051-9	2008-12	Classification and labelling of chemicals - Pyrophoric liquids
*	15030-10	Z1051-10	2008-12	Classification and labelling of chemicals - Pyrophoric solids
*	15030-11	Z1051-11	2015-01	Classification and labelling of chemicals - Self-heating substances and mixtures
*	15030-12	Z1051-12	2008-12	Classification and labelling of chemicals - Substances and mixtures which, in contact with water, emit flammable gases
*	15030-13	Z1051-13	2008-12	Classification and labelling of chemicals - Oxidizing liquids
*	15030-14	Z1051-14	2008-12	Classification and labelling of chemicals - Oxidizing solids
*	15030-15	Z1051-15	2008-12	Classification and labelling of chemicals - Organic peroxides
*	15030-16	Z1051-16	2015-01	Classification and labelling of chemicals - Corrosive to metals
*	15030-17	Z1051-17	2008-12	Classification and labelling of chemicals - Acute toxicity
*	15030-18	Z1051-18	2008-12	Classification and labelling of chemicals - Skin corrosion/irritation
*	15030-19	Z1051-19	2008-12	Classification and labelling of chemicals - Serious eye damage/eye irritation
*	15030-20	Z1051-20	2015-01	Classification and labelling of chemicals - Respiratory or skin sensitization
*	15030-21	Z1051-21	2008-12	Classification and labelling of chemicals - Germ cell mutagenicity
*	15030-22	Z1051-22	2008-12	Classification and labelling of chemicals - Carcinogenicity
*	15030-23	Z1051-23	2015-01	Classification and labelling of chemicals - Reproductive toxicity
*	15030-24	Z1051-24	2008-12	Classification and labelling of chemicals - Specific target organ toxicity - Single exposure
*	15030-25	Z1051-25	2008-12	Classification and labelling of chemicals - Specific target organ toxicity - Repeated exposure
*	15030-26	Z1051-26	2008-12	Classification and labelling of chemicals - Aspiration hazard
*	15030-27	Z1051-27	2008-12	Classification and labelling of chemicals - Hazardous to the aquatic environment

## Industrial Safety

	CNS no.	Category no.	Date of Current edition	Title
*	15030-28	Z1051-28	2015-09	Classification and labelling of chemicals – Hazardous to the ozone layer
	15506	Z1052	2011-11	Occupational health and safety management systems - Requirements
	15507	Z1053	2011-11	Occupational health and safety management systems - Guideline
	15827-20	Z1054-20	2015-08	Safety rules for the construction and installation of lifts - Lifts for the transport of persons and goods - Part 20: Passenger and goods passenger lifts
	15827-31	Z1054-31	2016-08	Safety rules for the construction and installation of lifts – Lifts for the transport of goods only – Part 31: Accessible goods only lifts
	15827-50	Z1054-50	2015-12	Safety rules for the construction and installation of lifts – Examinations and tests – Part 50: Design rules, calculations, examinations and tests of lift components
	15830-1	Z1055-1	2015-09	Power-operated lifting platforms for persons with impaired mobility - Rules for safety, dimensions and functional operation - Part 1: Vertical lifting platforms
	15930-1	Z1056-1	2016-08	Safety of escalators and moving walks – Part 1: Construction and installation
	15930-2	Z1056-2	2016-08	Safety of escalators and moving walks – Part 2: Rules for the improvement of safety of existing escalators and moving walks
	16036	Z1057	2018-04	Safety of machinery – Equipment for power driven parking of motor vehicles – Safety and EMC requirements for design, manufacturing, erection and commissioning stages

## Safety Equipments

*	441	Z2001	withdrawn	Chemical foam type fire extinguishers
	884	Z2002	withdrawn	Portable Foam Extinguishers
*	1387	Z2003	2015-01	Fire fighting - Portable fire extinguishers - Performance and construction
	1408	Z2004	2006-06	Fire extinguishing bombs
	1427	Z2005	1988-09	General Detonator for Engineering Use
	1428	Z2006	1988-09	Electric Detonator
	1429	Z2007	1988-09	Safety Fuses for Engineering Use
	2116	Z2008	withdrawn	Portable Foam Extinguishers (for Marine Use) (→CNS 1 3 8 7)
*	2396	Z2009	2007-05	Protective helmets for drivers and passengers of motorcycle and mopeds
	2397	Z2010	withdrawn	Safety spectacles (→CNS 7 1 7 6、7 1 7 7)
	2398	Z2011	withdrawn	Safety mouth masks filter type
	2517	Z2012	withdrawn	Fire Alarm Equipments
	2522	Z2013	withdrawn	Liquid Carbon Dioxide Fire Extinguishers, Portable Type (→CNS 1 3 8 7)
	3047	Z2014	withdrawn	Compressed Dry Powder Extinguishers, Portable and Wheeled Types (→CNS 1 3 8 7)
	3048	Z2015	withdrawn	Compressed Violet Flame Dry Powder Extinguishers, Portable and Wheeled Types (→CNS 1 3 8 7)
	3078	Z2016	withdrawn	Fire-proof Agents for Paper, Cloth and Canvas
	3079	Z2017	withdrawn	Fire-proof Agents for Timber
	3239	Z2018	withdrawn	Chemical for fire extinguishing (for foam extinguishers) (→CNS 1 3 4 0 0)
	3504	Z2019	1998-10	Safety face shield
	3582	Z2020	withdrawn	Self rescuer for carbon monoxide (→CNS 1 1 9 8 1)
	3638	Z2021	withdrawn	Compressed Dry Chemical Powder Extinguishers Portable and Wheeled Types (→CNS 1 3 8 7)
	4598	Z2022	withdrawn	Safety helmets for electrical workers
	6636	Z2023	2013-10	Respiratory protective devices - Gas filters and combined filters - Requirements, testing, marking
*	6637	Z2024	1998-10	Dust respirators
	6638	Z2025	1998-10	Supplied-air respirators

CNS no.	Category no.	Date of		Title
		Current edition		
6860	Z2026	2017-01		Respiratory protective devices - Self-contained open-circuit compressed air breathing apparatus with full face mask - Requirements, testing, marking
6861	Z2027	withdrawn		Self-contained compressed oxygen open-circuit breathing apparatus
6862	Z2028	2018-10		Respiratory protective devices – Self-contained closed-circuit breathing apparatus compressed oxygen or compressed oxygen-nitrogen type – Requirements, testing, marking
*	6863	Z2029	withdrawn	Protective footwears
*	7088	Z2030	2022-02	Pressure regulators for liquefied petroleum gas
	7174	Z2031	2015-03	Personal eye-protection - Filters for welding and related techniques - Transmittance requirements and recommended use
	7175	Z2032	2020-01	Personal protection – Equipment for eye and face protection during welding and allied processes
	7176	Z2033	withdrawn	Eye protector with tempered glass lenses
*	7177	Z2034	2015-03	Personal eye-protection - Specifications
	7178	Z2035	1998-10	Protective gloves for welders
	7532	Z2036	1988-09	Detonating Cord
	7534	Z2037	2015-04	Personal protective equipment for work positioning and prevention of falls from a height - Belts for work positioning and restraint and work positioning lanyards
	7759	Z2038	withdrawn	Rubber safety shoes (→CNS 6863、8878)
	7760	Z2039	withdrawn	Alarm equipments of liquefied petroleum gas leakage(replaced by CNS 16121-1~CNS 16121-2)
*	8873	Z2040	2002-09	Fire alarm equipment
*	8874	Z2041	1998-03	Detector of fire alarm equipment
*	8875	Z2042	1995-08	Fire Alarm Equipment Repeaters
*	8876	Z2043	1998-03	Fire manual station and its fire alarm bell indication lamp
*	8877	Z2044	2002-09	Receiver of fire alarm equipment
*	8878	Z2045	withdrawn	Anti-electrostatic footwears
	9192	Z2046	1995-05	General Rules of Fire Pumps
	9193	Z2047	1995-05	Vehicles for Fire Pumps
	9194	Z2048	1995-05	Hand - Cart for Fire Pumps
	9195	Z2049	1995-05	Portable - Cart for Fire Pumps
	10205	Z2050	1989-06	Battery Device for Fire Fighting Emergency Use
	10206	Z2051	2007-04	Quick connector for fire hose
*	10522	Z2052	1993-10	Emergency Public Address Equipment
*	10672	Z2053	withdrawn	Water-flow alarm valve
*	10673	Z2054	1989-06	Cubicle Emergency Power Source for Fire Fighting Use
*	10763	Z2055	1995-08	Fire Deluge Valves
	10977	Z2056	withdrawn	Main and branch distribution switchboards for emergency power source
	10978	Z2057	2002-12	Aerosol type mini fire extinguisher
	11174	Z2058	withdrawn	Fire-resist wires
	11175	Z2059	withdrawn	Heat-resist wires
	11176	Z2060	1989-06	Capacity Valve, Safety Device and Destroyer for Use of Carbon Dioxide, Halon and Dry Chemical Powder of Fire Extinguisher
	11177	Z2061	1989-06	Hoses, Nozzles, Nozzle Valves and Hoses Reel for Moveable Carbon Dioxide, Halon and Dry Chemical Powder of Fire Extinguish
*	11254	Z2062	withdrawn	Automatic sprinkler (closed type)
	11885	Z2063	1987-03	Safety Code of Halogenide for Fire Fighting
	11981	Z2064	1998-10	Self rescuer for carbon monoxide
	12403	Z2065	1990-08	Sphere Holder and It's Accessories for Liquefied Petroleum Gas
	12405	Z2066	1988-08	Construction of Welded Aluminum Alloy Liquefield Natural Gas Storage Tank
	12406	Z2067	1988-08	Compressor for Liquefied Petroleum Gas Use
	12407	Z2068	1988-08	Pump for Liquefield Petroleum Gas Use
	12429	Z2069	1988-09	Delay Electric Detonator for Engineering Use
	12452	Z2070	withdrawn	Insulated ladder for electric work (replaced by CNS 61478)
*	12453	Z2071	withdrawn	Aluminum alloy ladder for home use (replaced by CNS 16009-1~CNS

Industrial Safety

CNS no.	Category no.	Date of		Title
		Current edition		
				16009-7)
12477	Z2072	1988-12		Valve for Liquefied Petroleum Gas Plant Use
12478	Z2073	1988-12		Electrical Device for Liquefied Petroleum Gas Plant Use
12479	Z2074	1988-12		Measuring Instruments for Liquefied Petroleum Gas Plant Use
12544	Z2075	2019-07		Mechanical vibration and shock – Hand-arm vibration – Measurement and evaluation of the vibration transmissibility of gloves at palm of the hand
12546	Z2076	2017-07		Gloves of insulating material used for electrical working
12707	Z2077	2017-03		Protective boots for use against chemicals
12708	Z2078	withdrawn		Safety shoes with polyurethane foam sole (→CNS 6863)
12709	Z2079	withdrawn		Safety shoes with metatarsal protector (→CNS 6863)
12853	Z2080	1991-04		Protective Wall and Fire Fighting Wall for Liquefied Petroleum Gas Plant Use
12854	Z2081	1991-04		Fire Fighting Equipment for Liquefied Petroleum Gas Plant Use
12855	Z2082	1991-04		Maintenance of Fire Fighting Equipment for Liquefied Petroleum Gas Device
12856	Z2083	1991-04		Piping for Liquefied Petroleum Gas
12857	Z2084	1991-04		Horizontal Type Under Ground Storage Tank for Liquefied Petroleum Gas
12858	Z2085	1993-04		Code of Liquefied Petroleum Gas Station
12859	Z2086	2017-05		Hose assemblies for liquefied petroleum gas
12860	Z2087	1991-04		Handling Standard of Rubber Hose Assembly Use for Liquefied Petroleum Gas
12861	Z2088	2007-10		Safety coupling for liquefied petroleum gas tank lorry
12862	Z2089	withdrawn		Handling and use for coupling of liquefied petroleum gas
12863	Z2090	withdrawn		General Code for Liquefied Petroleum Gas
12926	Z2091	1991-10		100mm,65mm Stationary Handling Operated Fire Water Monitor
12927	Z2092	1991-10		65mm Portable Fire Water Driven Automatic Oscillating Fire Monitor
*	12928	withdrawn		Portable-type light water extinguisher (Stored pressure)
	12929	withdrawn		Portable Wheeled and Fixed Type BCF Fire Extinguisher (→CNS 1387)
	12930	withdrawn		Portable - Type Water Extinguisher (Stored - Pressure) (→CNS 1387)
	12931	withdrawn		Dry Powder Fire Extinguisher Agents (→CNS 1387)
	12932	1991-10		Halon 1301/1211 System's Container and Valve Assemblies
	12933	1995-08		Ground Fire Hydrants
	12991	2003-04		Remote filling units for liquefied petroleum gas automobile
*	13036	1992-09		Liquefied Petroleum Gas Pressure Regulator for Industrial Use
*	13229	1996-07		Slowly Descending Devices
	13230	1997-08		Metallic emergency ladders
	13231	1996-07		Apparatuses Use for Refuge
*	13370	2011-01		Eye protectors for vehicular users
*	13371	2019-02		Protective helmets for pedal cyclists and for users of skates, skateboards and roller skates
	13400	withdrawn		Extinguishing chemicals for fire extinguishers
	13436	2000-04		Devices for Concise Automatic Fire Extinguishing (Hanging Type)
*	13539	1995-05		Excess Flow Shut - off Devices for Liquefied Petroleum Gas
*	13578	1997-05		Fire hose
	13579	1995-08		Fire Hydrant Valves
	13644	2016-03		Gas valves
*	13645	2004-09		Automatic emergency shut down device for natural gas system
	13646	withdrawn		Natural gas leak alarm devices(replaced by CNS 16121-1~CNS 16121-2)
	14118	1998-02		Emergency shut-off valves for nature gas with high pressure and intermediate pressure
	14252	withdrawn		Safety nets(replaced by CNS 16079-1 and CNS 16079-2)
	14253	withdrawn		Full body harness
	14253-1	2014-11		Personal fall-arrest systems - Part 1: Full-body harnesses
	14253-2	2014-11		Personal fall-arrest systems - Part 2: Lanyards and energy absorbers



CNS no.	Category no.	Date of		Title
		Current edition		
14253-3	Z2116-3	2014-11		Personal fall-arrest systems - Part 3: Self-retracting lifelines
14253-4	Z2116-4	2014-11		Personal fall-arrest systems - Part 4: Vertical rails and vertical lifelines incorporating a sliding-type fall arrester
14253-5	Z2116-5	2014-11		Personal fall-arrest systems - Part 5: Connectors with self-closing and self-locking gates
14253-6	Z2116-6	2014-11		Personal fall-arrest systems - Part 6: System performance tests
14255	Z2117	1998-10		Facepiece for respirator
14382	Z2118	2017-11		Protective gloves – General requirements and test methods
14384-1	Z2119-1	1999-10		Protective gloves against chemicals and micro-organisms - Part 1: Terminology and performance requirements
14384-2	Z2119-2	1999-10		Protective gloves against chemicals and micro-organisms - Part 2: Determination of resistance to penetration
14384-3	Z2119-3	1999-10		Protective gloves against chemicals and micro-organisms - Part 3: Determination of resistance to permeation by chemicals
14394	Z2120	2008-03		Clip-on valves for liquefied gases
14395	Z2121	2002-10		Clip on regulators for liquefied petroleum gas
14511	Z2122	2017-11		Protective gloves against mechanical risks
* 14529	Z2123	2014-12		Portable cookers attached to liquefied petroleum gas cylinder
* 14530	Z2124	2014-04		Gas cylinders for portable gas cooker
* 14755	Z2125	2022-07		Disposable dust respirators
* 14756	Z2126	2003-05		Disposable dust respirators with activated-carbon
15183	Z2127	withdrawn		Incomplete burning and/or leakage alarm devices for nature gas (replaced by CNS 16144-1 and CNS 16144-2)
15184	Z2128	withdrawn		Incomplete burning alarm devices for L.P.G use (replaced by CNS 16144-1 and CNS 16144-2)
15230	Z2129	2011-03		Non-refillable metallic gas canisters for portable liquefied petroleum gas appliances
15254	Z2130	2009-05		Outdoor cooker attached to liquefied petroleum gas canisters
15255	Z2131	2009-06		Respiratory protective device for self rescue - Filtering device with hood for escape from fire
15460	Z2132	2011-08		Specification for Helmets for airborne sports
15542	Z2133	2022-02		Gas cylinders – Design, construction and testing of refillable composite gas cylinders and tubes – Part 3: Fully wrapped fibre reinforced composite gas cylinders and tubes up to 450 L with non-
15714	Z2134	2014-02		Specifications for dedicated liquefied petroleum gas appliances– Portable vapour pressure liquefied petroleum gas appliances
15746-1	Z2135-1	2014-08		Textile slings - Safety - Part 1: Flat woven webbing slings, made of man-made fibres, for general purpose use
15746-2	Z2135-2	2014-08		Textile slings - Safety - Part 2 : Roundslings, made of man-made fibres, for general purpose use
15778	Z2136	2014-12		Helmets for fire fighting in buildings and other structures
20345	Z2137	2015-01		Personal protective equipment - Safety footwear
15790	Z2138	2015-02		Exhaust pipes for burning appliances
15791	Z2139	2015-02		Supply and exhaust pipes for burning appliances
15809	Z2140	2015-04		Personal eye-protection - Ultraviolet filters - Transmittance requirements and recommended use
15812	Z2141	2015-05		Liquefied natural gas (LNG) - Tanks for on-board storage as a fuel for automotive vehicles
20346	Z2142	2016-01		Personal protective equipment - Protective footwear
20347	Z2143	2016-01		Personal protective equipment - Occupational footwear
15965	Z2144	2017-01		Gas and petroleum appliances for domestic use, and their accessories - Glossary
15970	Z2145	2017-03		Biosafety cabinetry: Design, construction, performance, and field certification
16015-1	Z2146-1	2017-11		Transportation of dangerous goods – Part 1: Requirement for the construction and testing of packagings
16015-2	Z2146-2	2017-11		Transportation of dangerous goods – Part 2: Dangerous goods list
16020	Z2147	2017-11		Respiratory protective devices – Powered filtering devices incorporating a helmet or a hood – Requirements, testing, marking

Industrial Safety

CNS no.	Category no.	Date of		Title
		Current edition		
16021	Z2148	2017-11		Respiratory protective devices – Power assisted filtering devices incorporating full face masks, half masks or quarter masks – Requirements, testing, marking
16054-1	Z2149-1	2018-08		Live working – Footwear for electrical protection – Part 1: Insulating footwear and overboots
16055	Z2150	2018-08		Personal eye-protection – Infrared filters – Transmittance requirements and recommended use
16056	Z2151	2018-08		Personal eye-protection – Sunglare filters for industrial use
16057	Z2152	2018-08		Personal eye-protection – Automatic welding filters
16076	Z2153	2018-10		Respiratory protective devices – Full face masks – Requirements, testing, marking
16079-1	Z2154-1	2018-10		Temporary works equipment – Safety nets – Part 1: Safety requirements, test methods
16079-2	Z2154-2	2018-10		Temporary works equipment – Safety nets – Part 2: Safety requirements for the positioning limits
16368	Z2155	2018-12		Mobile elevating work platforms – Design, calculations, safety requirements and test methods
16653-1	Z2156-1	2018-12		Mobile elevating work platforms – Design, calculations, safety requirements and test methods relative to special features – Part 1: MEWPs with retractable guardrail systems
16653-2	Z2156-2	2018-12		Mobile elevating work platforms – Design, calculations, safety requirements and test methods relative to special features – Part 2 : MEWPs with non-conductive (insulating) components
18893	Z2157	2018-12		Mobile elevating work platforms – Safety principles, inspection, maintenance and operation
45001	Z2158	2018-12		Occupational health and safety management systems – Requirements with guidance for use
21927-1	Z2159-1	2022-10		Smoke and heat control systems – Part 1: Specification for smoke barriers
21927-2	Z2159-2	2022-10		Smoke and heat control systems – Part 2: Specifications for natural smoke and heat exhaust ventilators
21927-3	Z2159-3	2019-08		Smoke and heat control systems – Part 3: Specification for powered smoke and heat exhaust ventilators
21927-7	Z2159-7	2022-10		Smoke and heat control systems – Part 7: Smoke ducts sections
21927-8	Z2159-8	2022-10		Smoke and heat control systems – Part 8: Smoke control dampers
16103	Z2160	2019-09		Protective clothing for protection against chemicals
16104	Z2161	2019-09		Clothing for protection against liquid chemicals – Determination of the resistance of protective clothing materials to penetration by liquids under pressure
16105	Z2162	2019-09		Protective clothing – Protection against chemicals – Determination of resistance of protective clothing materials to permeation by liquids and gases
20349-1	Z2163-1	2019-09		Personal protective equipment – Footwear protecting against risks in foundries and welding – Part 1: Requirements and test methods for protection against risks in foundries
20349-2	Z2163-2	2019-09		Personal protective equipment – Footwear protecting against risks in foundries and welding – Part 2: Requirements and test methods for protection against risks in welding and allied processes
61478	Z2164	2019-09		Live working – Ladders of insulating material
16121-1	Z2165-1	2019-11		Electrical apparatus for the detection of combustible gases in domestic premises – Part 1: Test methods and performance requirements
16121-2	Z2165-2	2019-11		Electrical apparatus for the detection of combustible gases in domestic premises – Part 2: Electrical apparatus for continuous operation in a fixed installation in recreational vehicles and similar
16122	Z2166	2019-11		Personal protective equipment for protection against falls from a height – Single-point anchor devices
16123	Z2167	2019-11		Personal protective equipment for protection against falls from a height – Flexible horizontal lifeline systems

CNS no.	Category no.	Date of		Title
		Current edition		
16144-1	Z2168-1	2020-11		Gas detectors – Electrical apparatus for the detection of carbon monoxide in domestic premises – Part 1: Test methods and performance requirements
16144-2	Z2168-2	2020-11		Gas detectors – Electrical apparatus for the detection of carbon monoxide in domestic premises – Part 2: Electrical apparatus for continuous operation in a fixed installations in recreational vehicles
16169	Z2169	2021-01		footwear for firefighters
16161	Z2170	2022-01		Gas burning clothes dryers for domestic use
17249	Z2171	2021-12		Safety footwear with resistance to chain saw cutting
<b>Testing and Inspection</b>				
1336	Z3001	2017-08		Industrial protective helmets
2652	Z3002	withdrawn		Testing standard for safety of 50c.c. motorcyclers
3249	Z3003	withdrawn		Test Code for Hand Held Rocket Propelled Parachute Type Rescue Lignal Red Flare for Marine Use (→CNS 1 2 7 7 1、1 2 7 7 3)
3267	Z3004	withdrawn		General rules for testing standard of color TV X-ray
3392	Z3005	withdrawn		Method of test dry power fire extinguishing agents (→CNS 1 3 4 0 0)
3406	Z3006	withdrawn		Method of Test for Noncombustibility of Elementary Materials
3407	Z3007	withdrawn		Fire Tests of Door Assemblies
3466	Z3008	withdrawn		Fire Tests of Window Assemblies
3514	Z3009	withdrawn		Method of test for combustible properties of treated wood by the fire-tube apparatus
3580	Z3010	withdrawn		Method of test for combustible properties of treated wood by the crib test
3581	Z3011	withdrawn		Fire Tests of Building Construction and Material
* 3591	Z3012	1999-08		Oil tank of vehicles on highway
3690	Z3013	withdrawn		Method of Test for Surface Burning Characteristics of Building Materials
3902	Z3014	withdrawn		Method of test for protective helmets of cyclists (→CNS 2396)
4599	Z3015	withdrawn		Method of test for safety helmets for electrical workers
* 5636	Z3016	1986-10		Construction Standard for Steel Cylinder of Liquid Ammonia
7089	Z3017	withdrawn		Method of test for regulators liquefied petroleum gas
7248	Z3018	1999-08		Liquefied petroleum gas tank on truck or trailer
7248-1	Z3018-1	2022-01		Manufacture and standard specifications for LPG road tanker and mobile manufacturing equipments – Part 1: Manufacture standard for LPG road tanker
7248-2	Z3018-2	2022-01		Manufacture and standard specifications for LPG road tanker and mobile manufacturing equipments – Part 2: Manufacture standard for mobile manufacturing equipments
7248-3	Z3018-3	2022-01		Manufacture and standard specifications for LPG road tanker and mobile manufacturing equipments – Part 3: Standard specifications tank lorry and trailer
7533	Z3019	1988-09		Method of Test for Detonating Cord
7535	Z3020	2015-04		Personal protective equipment against fall from a height - Test methods
7536	Z3021	withdrawn		Method of test for alarm equipment of liquefied petroleum gas leakage(replaced by CNS 16121-1~CNS 16121-2)
9645	Z3022	withdrawn		Method of test for drive pin
10204	Z3023	1989-06		Method of Test for Fire Fighting Emergency Power Source
10671	Z3024	withdrawn		Method of test for gas appliances used with town gas (→CNS 1 3 6 0 5)
10780	Z3025	1986-09		Method of Test for Lighting for Traffic Route
* 11037	Z3026	withdrawn		Method of test for detector & signal generator of fire alarm equipment
11038	Z3027	withdrawn		Method of test for fire alarm equipment
11039	Z3028	1998-03		Method of test for receiver of fire alarm equipment
11255	Z3029	withdrawn		Method of test for automatic sprinkler (closed type)
12454	Z3030	withdrawn		Testing method of aluminum alloy ladder for home use (replaced by

Industrial Safety

CNS no.	Category no.	Date of		Title
		Current edition		
				CNS 16009-1~CNS 16009-7)
12545	Z3031	withdrawn		Method of test for vibration isolation gloves(replaced by CNS 12544)
13580	Z3032	1995-08		Method of Test for Fire Hydrant Valves
14256	Z3033	2017-07		Testing method for withstand voltage of personal protective equipment and insulating devices
14257	Z3034	1998-10		Method of test for leakage rate respirators facepiece
14258	Z3035	1998-10		Guidance for selection, use and maintenance of respiratory protective devices
20344	Z3036	2015-05		Personal protective equipment - Test methods for footwear
15951	Z3037	2016-12		Personal eye-protection - Optical test methods
15952	Z3038	2016-12		Personal eye-protection - Non-optical test methods
* 15980	Z3039	2020-01		The performance requirements and test method for PM2.5 mask
22568-1	Z3040-1	2021-12		Foot and leg protectors – Requirements and test methods for footwear components – Part 1: Metallic toecaps
22568-2	Z3040-2	2021-12		Foot and leg protectors – Requirements and test methods for footwear components – Part 2: Non-metallic toecaps
22568-3	Z3040-3	2021-12		Foot and leg protectors – Requirements and test methods for footwear components – Part 3: Metallic perforation resistant inserts
22568-4	Z3040-4	2021-12		Foot and leg protectors – Requirements and test methods for footwear components – Part 4: Non-metallic perforation resistant inserts
16167	Z3041	2022-07		Personal protective equipment – Footwear – Test method for slip resistance

Quality Control

1395	Z4001	2017-04		Frequently used symbols for quality control
2311	Z4002	2017-04		Guide for quality control
* 2312	Z4003	withdrawn		Control chart method of analyzing data (replaced by CNS 15962-2)
* 2579	Z4004	withdrawn		Glossary of terms in quality control (replaced by CNS 16139 series)
* 2580	Z4005	withdrawn		Control chart method of controlling quality during production (replaced by CNS 15962-2)
2779	Z4006	withdrawn		Sampling procedure and tables for inspection by attributes (replaced by CNS 2779-1)
2779-1	Z4006-1	2020-10		Sampling procedures for inspection by attributes – Part 1: Sampling schemes indexed by acceptance quality limit (AQL) for lot-by-lot inspection
2925	Z4007	1968-10		Practices for Designating Significant Places in Specified Limiting Values
3149	Z4008	withdrawn		Definitions of terms relating to methods of mechanical testing (replaced by CNS 12868)
* 3222	Z4009	1971-04		Practice for Choice of Sample Size to Estimate the Average Quality of a Lot or Process
8459	Z4010	withdrawn		Significance test of difference between the population mean and the standard (Standard deviation known, one-sided) (replaced by CNS 16124)
8460	Z4011	withdrawn		Significance test of difference between the population mean and the standard (Standard deviation known, two-sided) (replaced by CNS 16124)
8461	Z4012	withdrawn		Significance test of difference between the population mean and the standard (Standard deviation unknown one-sided) (replaced by CNS 16124)
8462	Z4013	withdrawn		Significance test of difference between the population mean and the standard (Standard deviation unknown, two-sided) (replaced by CNS 16124)
8549	Z4014	withdrawn		Significance test of difference between the two population means (Standard deviations known, one-sided) (replaced by CNS 16124)
8550	Z4015	withdrawn		Significance test of difference between the two population means (Standard deviations known, two-sided) (replaced by CNS 16124)
8745	Z4016	withdrawn		Significance test of difference between the two population means

CNS no.	Category no.	Date of		Title
		Current edition		
8746	Z4017	withdrawn		(Standard deviations unknown, one-sided) (replaced by CNS 16124) Significance test of difference between the two population means (Standard deviations unknown, two-sided) (replaced by CNS 16124)
8747	Z4018	withdrawn		Interval estimation of the population mean (Standard deviation known) (replaced by CNS 16124)
8748	Z4019	withdrawn		Interval estimation of the population mean (Standard deviation unknown) (replaced by CNS 16124)
8879	Z4020	withdrawn		Interval estimation of the difference between two population means (Standard deviations known) (replaced by CNS 16124)
8880	Z4021	withdrawn		Interval estimation of the difference between two population means (Standard deviations unknown) (replaced by CNS 16124)
* 9042	Z4022	2021-11		Random variate generation methods
* 9445	Z4023	withdrawn		Sampling procedures and tables for inspection by variables for percent nonconforming (replaced by CNS 9445-1)
9445-1	Z4023-1	2020-10		Sampling procedures for inspection by variables – Part 1: Specification for single sampling plans indexed by acceptance quality limit (AQL) for lot-by-lot inspection for a single quality
10301	Z4024	2017-04		Individuals and moving range control chart
10474	Z4025	withdrawn		Significance test of equality of the population variance and the standard (one-sided) (replaced by CNS 16124)
10475	Z4026	withdrawn		Significance test of equality of the population variance and the standard (two-sided) (replaced by CNS 16124)
10674	Z4027	withdrawn		Significance test of equality of the two population variances (one-sided) (replaced by CNS 16124)
10675	Z4028	withdrawn		Significance test of equality of the two population variances (two-sided) (replaced by CNS 16124)
10953	Z4029	withdrawn		Interval estimation of the population variance (replaced by CNS 16124)
10954	Z4030	withdrawn		Interval estimation of the population variance ratio (replaced by CNS 16124)
11143	Z4031	withdrawn		Glossary of terms for computerized production and inventory management (General) (→ CNS 13989)
11143-1	Z4031-1	withdrawn		Glossary of terms for computerized production and inventory management (Terms of inventory management) (→ CNS 13989-1)
11143-2	Z4031-2	withdrawn		Glossary of terms for computerized production and inventory management (Terms of material requirements planning) (→ CNS 13989-2)
11143-3	Z4031-3	withdrawn		Glossary of terms for computerized production and inventory management (Terms of production management) (→ CNS 13989-3)
11143-4	Z4031-4	withdrawn		Glossary of terms for computerized production and inventory management (Terms of capacity planning) (→ CNS 13989-4)
11143-5	Z4031-5	withdrawn		Glossary of terms for computerized production and inventory management (Terms of forecast) (→ CNS 13989-5)
11143-6	Z4031-6	withdrawn		Glossary of terms for computerized production and inventory management (Terms of purchase) (→ CNS 13989-6)
11771	Z4032	1986-11		General Rules for Allowance of Chemical Analysis and Physical Test
12680	Z4033	2016-08		Quality management systems - Fundamentals and vocabulary
12680-1	Z4033-1	withdrawn		Quality Management and Quality Assurance Standards - Part 1: Guidelines for Selection and Use
12680-2	Z4033-2	withdrawn		Quality management and quality assurance standards – Part 2: Generic guidelines for the application of ISO 9001, ISO 9002 and ISO 9003
12680-3	Z4033-3	withdrawn		Quality management and quality assurance standards – Part 3: Guidelines for the application of CNS 12681 (ISO 9001) to the development, supply and maintenance of software
12680-4	Z4033-4	withdrawn		Quality management and quality assurance standards – Part 4:

## Quality Control

CNS no.	Category no.	Date of		Title
		Current edition		
				Guide to dependability programme management
12681	Z4034	2016-01		Quality management systems - Requirements
12682	Z4035	withdrawn		Quality systems—Model for quality assurance in production, installation and servicing (→CNS 1 2 6 8 1)
12683	Z4036	withdrawn		Quality systems—Model for quality assurance in final inspection and test (→CNS 1 2 6 8 1)
12684	Z4037	2020-12		Quality management – Quality of an organization – Guidance to achieve sustained success
12684-1	Z4037-1	withdrawn		Quality Management and Quality System Elements-Part 1:Guidelines
12684-2	Z4037-2	withdrawn		Quality management and quality system elements – Part 2: Guidelines for services
12684-3	Z4037-3	withdrawn		Quality management and quality system elements – Part 3: Guidelines for processed materials
12684-4	Z4037-4	withdrawn		Quality management and quality system elements – Part 4: Guidelines for quality improvement
12889	Z4038	withdrawn		Quality management and quality assurance—Vocabulary (→CNS 1 2 6 8 0)
13219	Z4039	withdrawn		Code of principles on third-party certification systems and related standards
13220	Z4040	withdrawn		General criteria for supplier's declaration of conformity
13221	Z4041	1993-06		Methods of indicating conformity with standards for third-party certification systems
13248	Z4042	1993-08		Guidelines for corrective action to be taken by a certification body in the event of misuse of its mark of conformity
13249	Z4043	2012-05		Conformity assessment – Guidance on a third-party certification system for products
13250	Z4044	withdrawn		General requirements for bodies operating product certification systems
13285	Z4045	withdrawn		General requirements for bodies operating assessment and certification/registration of quality systems
13286	Z4046	withdrawn		An approach to the review by a certification body of its own internal quality system
13293	Z4047	2010-05		Conformity assessment - Guidance on the use of an organization's quality management system in product certification
13351-1	Z4048-1	withdrawn		Guidelines for Auditing Quality Systems - Part 1:Auditing (→CNS 1 4 8 0 9)
13351-2	Z4048-2	withdrawn		Guidelines for Auditing Quality Systems - Part 2:Qualitication Criteria for Quality Systems Auditors (→CNS 1 4 8 0 9)
13351-3	Z4048-3	withdrawn		Guidelines for Auditing Quality Systems - Part 3:Management of Audit Programmes (→CNS 1 4 8 0 9)
13606	Z4049	2009-07		Standardization and related activities - General vocabulary
13657	Z4050	2011-07		Guidelines for quality management system documentation
13827	Z4051	2007-08		Measurement management systems - Requirements for measurement processes and measuring equipment
13827-2	Z4051-2	withdrawn		Quality assurance for measuring equipment - Part 2 : Guidelines for control of measurement processes
14119	Z4052	withdrawn		General requirements for assessment and accreditation of certification/registration bodies
14177	Z4053	2009-11		Quality management systems – Guidelines for quality plans
14238	Z4054	2006-11		Quality management systems – Guidelines for configuration management
14385	Z4055	2012-05		Conformity assessment – Code of good practice
14396	Z4056	withdrawn		Guidelines for drafting of standards suitable for use for conformity assessment
14485	Z4057	2006-10		Quality management systems – Guidelines for quality management in projects
17025	Z4058	2018-09		General requirements for the competence of testing and calibration laboratories
14725	Z4059	withdrawn		General criteria for the operation of various types of bodies

CNS no.	Category no.	Date of		Title
		Current edition		
				performing inspection
14786	Z4060	2003-11		Guidelines for process capability analysis
14787	Z4061	2003-11		Guidelines for regression analysis
14788	Z4062	2003-11		Guidelines for multivariate analysis
14789	Z4063	2003-11		Guidelines for reliability analysis
14790	Z4064	2010-05		Quality management systems - Particular requirements for the application of CNS 12681 for automotive production and relevant service part organizations
14809	Z4065	2020-12		Guidelines for auditing management systems
14889	Z4066	2012-08		Risk management – Vocabulary
14914	Z4067	2005-03		Guidelines for TAGUCHI methods and their application
14951	Z4068	2005-10		Guidelines for design of experiments
15009	Z4069	withdrawn		Proficiency testing by interlaboratory comparisons
15013	Z4070	withdrawn		Medical devices – Quality management systems – Requirements for regulatory purposes
15071	Z4071	2007-03		Electrical and electronic components and products hazardous substance process management system requirements (HSPM)
17000	Z4072	2009-01		Conformity assessment - Vocabulary and general principles
17024	Z4073	2017-10		Conformity assessment – General requirements for bodies operating certification of persons
17021	Z4074	withdrawn		Conformity assessment – Requirements for bodies providing audit and certification of management systems (replaced by CNS 17021-1)
17021-1	Z4074-1	2019-12		Conformity assessment – Requirements for bodies providing audit and certification of management systems – Part 1: Requirements
17021-2	Z4074-2	2019-12		Conformity assessment – Requirements for bodies providing audit and certification of management systems – Part 2: Competence requirements for auditing and certification of environmental
17021-3	Z4074-3	2019-12		Conformity assessment – Requirements for bodies providing audit and certification of management systems – Part 3: Competence requirements for auditing and certification of quality management
17021-10	Z4074-10	2021-12		Conformity assessment – Requirements for bodies providing audit and certification of management systems – Part 10: Competence requirements for auditing and certification of
15332	Z4075	2023-01		Quality management – Customer satisfaction – Guidelines for complaints handling in organizations
15333	Z4076	2010-01		Quality management - Guidelines for training
15367	Z4077	2010-06		Quality management - Guidelines for realizing financial and economic benefits
15368	Z4078	2010-06		Guidelines for the selection of quality management system consultants and use of their services
15483	Z4079	2023-01		Quality management – Customer satisfaction – Guidelines for codes of conduct for organizations
15484	Z4080	2023-01		Quality management – Customer satisfaction – Guidelines for dispute resolution external to organizations
31000	Z4081	2021-11		Risk management – Guidelines
31010	Z4082	2012-08		Risk management – Risk assessment techniques
26000	Z4083	2012-11		Guidance on social responsibility
17050-1	Z4084-1	2013-09		Conformity assessment – Supplier's declaration of conformity – Part 1: General requirements
17050-2	Z4084-2	2013-09		Conformity assessment – Supplier's declaration of conformity – Part 2: Supporting documentation
17065	Z4085	2013-10		Conformity assessment - Requirements for bodies certifying products, processes and services
17011	Z4086	2020-11		Conformity assessment – Requirements for accreditation bodies accrediting conformity assessment bodies
17020	Z4087	2014-10		Conformity assessment - Requirements for the operation of various types of bodies performing inspection
17007	Z4088	2014-12		Conformity assessment - Guidance for drafting normative documents suitable for use for conformity assessment

## Quality Control

CNS no.	Category no.	Date of		Title
		Current edition		
17043	Z4089	2014-12		Conformity assessment - General requirements for proficiency testing
20121	Z4090	2015-09		Event sustainability management systems – Requirements with guidance for use
21500	Z4091	2016-09		Guidance on project management
15962	Z4092	2016-12		Control charts – Part 1: General guidelines
15962-2	Z4092-2	2018-08		Control charts – Part 2: Shewhart control charts
21504	Z4093	2017-08		Project, programme and portfolio management – Guidance on portfolio management
22301	Z4094	2021-11		Security and resilience – Business continuity management systems – Requirements
21505	Z4095	2018-05		Project, programme and portfolio management – Guidance on governance
16067	Z4096	2018-09		Quality management – Guidelines on people involvement and competence
16084	Z4097	2019-01		Consumer product safety – Guidelines for suppliers
16085	Z4098	2019-01		Consumer product recall – Guidelines for suppliers
16096	Z4099	2019-06		Quality management – Customer satisfaction – Guidelines for monitoring and measuring
21503	Z4100	2019-06		Project, programme and portfolio management – Guidance on programme management
16124	Z4101	2019-12		Statistical interpretation of data – Techniques of estimation and tests relating to means and variances
16139-1	Z4102-1	2020-10		Statistics – Vocabulary and symbols – Part 1: General statistical terms and terms used in probability
16139-2	Z4102-2	2020-10		Statistics – Vocabulary and symbols – Part 2: Applied statistics
16139-3	Z4102-3	2022-10		Statistics – Vocabulary and symbols – Part 3: Design of experiments
16139-4	Z4102-4	2022-10		Statistics – Vocabulary and symbols – Part 4: Survey sampling
21511	Z4103	2021-05		Work breakdown structures for project and programme management
17034	Z4104	2021-12		General requirements for the competence of reference material producers
17029	Z4105	2022-11		Conformity assessment – General principles and requirements for validation and verification bodies

## Packaging Materials

	336	Z5001	withdrawn	Soft Aluminium Tubes
	337	Z5002	withdrawn	Caps for Soft Tubes
	338	Z5003	withdrawn	Soft Tubes, Lead, Tin, Lead with Tin Sheathed
	339	Z5004	withdrawn	Cylindrical glass bottle for syrup storage
	340	Z5005	withdrawn	Caps of cylindrical glass bottle for syrup storage
	802	Z5006	2012-10	Metal bucket
*	827	Z5007	2014-10	Hermetically sealed round metal cans for food and drink
	1128	Z5008	withdrawn	Plywood Cases for Tea (for Export)
	1159	Z5009	withdrawn	Nailed Wooden Boxes (→ CNS 1 0 0 3 5 )
	1160	Z5010	withdrawn	Wooden Boxes for Packaging of Canned Products (→ CNS 1 0 0 3 5 )
*	1161	Z5011	1988-12	Corrugated paperboard containers for canned food
	1259	Z5012	withdrawn	Packaging for acid · chloric acid and nitric acid
	1319	Z5013	withdrawn	Double Seam Type Steel Drum for Oil (→ CNS 9 4 4 6 )
	1320	Z5014	withdrawn	Reinforced Double Seam Type Steel Drum for Oil (→ CNS 9 4 4 6 )
	1321	Z5015	withdrawn	Welding Type Steel Drum for Oil (→ CNS 9 4 4 6 )
	1322	Z5016	1995-12	Plugs and flanges for steel drums
*	2108	Z5017	1991-06	Cement paper sacks for domestic use
*	2180	Z5018	withdrawn	Metal cans of irregular shape for foods
	2310	Z5019	withdrawn	
	2354	Z5020	2012-07	Corrugated shipping containers
	2389	Z5021	withdrawn	Adhesive tapes of kraft paper(tentative) (→ CNS 4 2 8 9 )
	2400	Z5022	2007-12	Steel straps for packing use
	2443	Z5023	withdrawn	Aluminium Cans for Foods (Tentative) (→ CNS 8 2 7 )



CNS no.	Category no.	Date of		Title
		Current edition		
2444	Z5024	2012-10		Polyethylene bottle
2542	Z5025	withdrawn		Wood Wool for Packaging Purposes
* 2574	Z5026	withdrawn		Glass containers for food(General)
2651	Z5027	withdrawn		Paper Slips for Milk Bottles
2773	Z5028	1998-11		Coating films for metal cans of foods
3032	Z5029	1994-05		Wooden flat pallets
3148	Z5030	2003-05		Packaging - pictorial marking for handling goods
3192	Z5031	1997-12		The labeling of prepackaged foods
3223	Z5032	1970-12		PP seamless bags for packing of 50kg crystal sugar
3247	Z5033	2005-09		Corrugated shipping containers for fresh fruits
3248	Z5034	2006-06		Moisture proof heat sealing cellophane
3363	Z5035	2012-07		Glossary of terms in corrugated board
3365	Z5036	2012-10		Crown caps
3465	Z5037	2011-05		Polypropylene band
3523	Z5038	withdrawn		Hard and Bast Cordage (for Common Wrappage)
3529	Z5039	withdrawn		Nailed Board Box (General Rules)
3530	Z5040	withdrawn		Nailed Board Box (Material)
3531	Z5041	withdrawn		Nailed Board Box (Construction and Style)
3532	Z5042	withdrawn		Nailed Board Box (Requirements in Manufacture)
3533	Z5043	withdrawn		Sealing Plastic Adhesive Tape (→CNS 4 2 9 1)
3535	Z5044	withdrawn		Carton Box (for Sweet Orange Tankan and Satsuma Orange) (→CNS 3 2 4 7)
3536	Z5045	withdrawn		Carton Box (for Ponkan and Tankan) (→CNS 3 2 4 7)
3688	Z5046	withdrawn		Carton Boxes (for Pineapples) (→CNS 3 2 4 7)
3742	Z5047	2009-05		Freight containers – Coding,identification and marking
3743	Z5048	2009-05		Series 1 freight containers - Classification, dimensions and ratings
3744	Z5049	withdrawn		General Purpose Series 1 Freight Containers Minimum Internal Dimension (→CNS 3 7 4 6-1)
3745	Z5050	2009-07		Series 1 freight containers - Specification for corner fittings
3746	Z5051	withdrawn		Specification and Testing of Series 1 Freight Containers (→CNS 3 7 4 6-1)
3746-1	Z5051-1	2008-07		Series 1 freight containers - Specification and testing - Part 1 : General cargo containers for general purposes
3746-2	Z5051-2	2010-11		Series 1 freight containers - Specification and testing - Part 2: Thermal containers
3746-3	Z5051-3	2010-11		Series 1 freight containers – Specification and testing – Part 3: Tank containers for liquids, gases and pressurized dry bulk
3746-4	Z5051-4	withdrawn		Series 1 freight containers - Specification and testing - Part 5 : Platform (container)
3746-5	Z5051-5	2011-05		Series 1 freight containers – Specification and testing – Part 5: Platform and platform-based containers
3747	Z5052	2005-12		Freight containers - Vocabulary
4059	Z5053	2001-12		Glossary of terms for packaging
4153	Z5054	2001-10		Glossary of terms relating to pallets
4187	Z5055	1977-10		Fasteners
4188	Z5056	2004-11		Glossary of adhesives for packaging
4209	Z5057	withdrawn		Corrugated Paperboard Container for Tea (for Export) (→CNS 2 3 5 4)
4210	Z5058	1991-06		Cement paper sacks export use
4287	Z5059	2003-04		Pressure sensitive adhesive cloth tapes for packaging
4289	Z5060	2003-04		Pressure sensitive adhesive paper tapes for packaging
4291	Z5061	2003-04		Pressure sensitive adhesive polyvinyl chloride tapes for packaging
4293	Z5062	2003-04		Pressure sensitive adhesive cellophane tapes
4340	Z5063	2005-12		Packaging paper sacks - Vocabulary and types
5472	Z5064	withdrawn		Markings for rolling bearings and their packages
6639	Z5065	withdrawn		Packing for Essential Oils
6640	Z5066	withdrawn		Labelling and Marking Containers for Essential Oils

Physical  
Distribution and  
Packaging

	CNS no.	Category no.	Date of	
			Current edition	Title
	6725	Z5067	withdrawn	Packaging of Matches for Export
	6726	Z5068	withdrawn	Packaging and Packing of Cameras for Export
	6727	Z5069	1994-01	Silicagel desiccants for packaging
*	6729	Z5070	2012-10	Polyethylene films for packaging
	6864	Z5071	2006-10	Lables for the transport of dangerous goods
	6976	Z5072	withdrawn	Packaging and Packing of 16 mm Sound Projectors for Export
	6977	Z5073	withdrawn	Packaging and Packing of Optical Meter for Export
	6978	Z5074	withdrawn	Packaging and Packing of Slide Projectors for Export
	6979	Z5075	withdrawn	Packaging and Packing of Binoculars for Export
	6980	Z5076	withdrawn	Packaging and Packing of Lens Meter for Export
	6981	Z5077	withdrawn	Reel packaging of components with axial leads
	6982	Z5078	withdrawn	Preparation for delivery of electronic components
	6983	Z5079	withdrawn	Preparation for delivery of microcircuits
	7090	Z5080	2007-02	Method of moisture-proof packaging
	7091	Z5081	withdrawn	Paraffin papper (for packaing)
*	7181	Z5082	2014-08	Labeling of aerosol cans
*	7182	Z5083	1981-03	Safe fill of aerosol containers
	7457	Z5084	withdrawn	Terminology relating to flexible packaging
	7458	Z5085	withdrawn	Terminology of meterials—Accesories for corugated boxex
	7538	Z5086	withdrawn	Packaging and Packing of Projection Meter for Export
	7539	Z5087	withdrawn	Packaging and Packing of Reagents for Export
	7540	Z5088	withdrawn	Packaging and Packing of Medicines for Export
	7541	Z5089	withdrawn	Packaging and Packing of Electric Bulb for Export
	7542	Z5090	withdrawn	Packaging and Packing of Home Use Sewing Machine for Export
	7543	Z5091	withdrawn	Packaging and Packing of Abbe Refractometer for Export
	7544	Z5092	withdrawn	Packaging and Packing of Bicycle for Export
	7545	Z5093	withdrawn	Packaging and Packing of Optical Surveying Instruments for Export
	7546	Z5094	withdrawn	Packaging and Packng of Pottery Wares for Export
	8070	Z5095	withdrawn	Terminology of various packages—Containers
	8071	Z5096	withdrawn	Terminology of various of corrugated boxes
	8169	Z5097	withdrawn	Flat pallet
	8171	Z5098	1994-07	Metal flat pallets
	8172	Z5099	2012-09	Flat pallets for through transit
	8337	Z5100	2003-04	Pressure sensitive adhesive polyvinyl chloride tapes for corrosion protection
	8551	Z5101	2007-02	Polyethylene coated paper
	8553	Z5102	2007-02	Volatile corrosion inhibitor
	8638	Z5103	1982-03	Masking tape for surface treatment
	8639	Z5104	2017-11	Pressure sensitive adhesive films for printing
	8749	Z5105	2003-04	Pressure sensitive adhesive polypropylene tapes for packaging
	8751	Z5106	1982-04	Polyolefine stretched tape yarn for woven bags
	8881	Z5107	2012-10	Box pallets for through transit
	8883	Z5108	2009-01	Box pallets
	8884	Z5109	1997-05	Pallet racks
	9196	Z5110	2007-02	Volatile corrosion inhibitor treated paper
	9198	Z5111	withdrawn	Plastic coating compound strippable (hot dipping)
	9446	Z5112	2009-01	Steel drums - Non-removable head
*	9449	Z5113	2017-11	Pressure sensitive adhesive paper for printing
	9755	Z5114	withdrawn	Wirebound boxes
	9756	Z5115	withdrawn	Wirebound crated boxes
	9757	Z5116	1982-12	Cleated plywood boxes
	9758	Z5117	withdrawn	Fiberboard boxes for outer packing
	9759	Z5118	2006-04	Waterproof packaging
	9760	Z5119	2012-07	Waterproof corrugated board
	9761	Z5120	1991-08	General rule for corrosion preventive packaging method
	9763	Z5121	1982-12	Tin-plate fabricated aerosol cans
	10034	Z5122	2002-07	Packaging – Complete, filled transport packages – Identification of

CNS no.	Category no.	Date of		Title
		Current edition		
				parts when testing
10035	Z5123	1983-02		Wooden box for export packing
10132	Z5124	2000-02		Polystyrene foam for package cushioning
10133	Z5125	1983-03		Size for heavy duty polyethylene bags
10135	Z5126	1983-03		Classification of child-resistant packages
10396	Z5127	2012-11		Corrosion preventive and grease-proof materials
10476	Z5128	withdrawn		polyethylene extrusion coated cellophane
10478	Z5129	2007-02		Sprayable and strippable protective plastic coatings
10480	Z5130	1986-02		Blow-molded plastic containers
*	Z5131	2011-05		General rules of plastic films for food packing
10676	Z5132	2011-03		Heat shrinkable plastic films for packaging
11144	Z5133	1984-11		Symbol and label for electrostatic-sensitive devices
11514	Z5134	withdrawn		Steel Gasoline Can (18L Type)
11515	Z5135	1986-02		Wooden skid – assemblies for export packing
11714	Z5136	1986-09		Wooden framed boxes for export packing
11886	Z5137	2003-04		Pressure sensitive adhesive double coated tapes
12113	Z5138	1993-07		Dimensions of unit load sizes
12235	Z5139	2009-07		Series 1 freight containers - Handling and securing
12236	Z5140	2013-09		Air cargo – Non-certified containers for the lower deck of large-capacity aircraft – Specification and testing
12237	Z5141	1988-03		Freight containers-consolidated data plate
12238	Z5142	2013-09		Air cargo equipment – Base-restrained certified containers exclusively for the lower deck of large-capacity aircraft
12408	Z5143	2012-08		Information technology – Automatic identification and data capture techniques – EAN/UPC bar code symbology specification
12409	Z5144	2012-08		Information technology – Automatic identification and data capture techniques – Interleaved 2 of 5 bar code symbology specification
12803	Z5145	2012-04		18 liter metal cans
12992	Z5146	2013-10		Glossary of terms used in pressure sensitive adhesive tapes and sheets
13018	Z5147	2013-10		Plastic flat pallets
13251	Z5148	2003-07		Dimensions of rigid rectangular packages-Transport packages
13261	Z5149	2012-11		Steel pails
13263	Z5150	2011-08		Metal caps and nozzles
13294	Z5151	2006-06		Types of corrugated paperboard boxes
13508	Z5152	1995-03		Sheet pallets (Slip sheet)
13509	Z5153	2012-10		Post pallets
13581	Z5154	2001-12		Glossary of terms for industrial racks
13626	Z5155	2009-01		Steel drums - Removable head (open head)
13816	Z5156	2002-03		Glossary of terms for physical distribution
14108	Z5157	1997-12		Drive-in racks
14584	Z5158	2012-07		Paper flat pallets
14650	Z5159	2017-03		Information technology – Automatic identification and data capture techniques – Code 128 bar code symbology specification
14663	Z5160	2002-07		Marking for attention in handling of packaged goods
14742	Z5161	2003-06		Packaging - Complete , filled transport packages - Stability testing of unit loads
14822	Z5162	2004-04		Child-resistant packaging – Requirements and testing procedures for reclosable packages
15217	Z5163	2008-08		Portable gasoline containers
15698	Z5164	2013-10		Repair of flat wooden pallets
15699	Z5165	2013-10		Quality of new wooden components and assembly of pallets for materials handling
17712	Z5166	2014-10		Freight containers - Mechanical seals
15779	Z5167	2014-12		Information technology - Automatic identification and data capture techniques - GS1 DataBar bar code symbology specification
15795	Z5168	2015-02		Information technology - Automatic identification and data capture

CNS no.	Category no.	Date of		Title
		Current edition		
15855-1	Z5168-1	2016-05		techniques - Data Carrier Identifiers (including Symbology Identifiers) Basket trolleys - Part 1: Requirements and tests for basket trolleys with or without a child carrying facility
15855-2	Z5168-2	2016-05		Basket trolleys – Part 2: Requirements, tests and inspection for basket trolleys with or without a child carrying facility, intended to be used on passenger conveyors
15855-3	Z5168-3	2016-05		Basket trolleys – Part 3: Requirements and tests for basket trolleys with additional goods carrying facility(ies), with or without a child carrying facility
15855-4	Z5168-4	2016-05		Basket trolleys – Part 4: Requirements and tests for basket trolleys with additional goods carrying facility(ies), with or without a child carrying facility, intended to be used on passenger conveyors
15855-7	Z5168-7	2016-05		Basket trolleys – Part 7: Requirements and tests for basket trolleys with baby and child carrying facilities
16026	Z5169	2018-01		Automatic identification and data capture techniques – Bar code print quality test specification – Linear symbols
16053	Z5170	2018-08		Information technology – Automatic identification and data capture techniques – Bar code symbol print quality test specification – Two-dimensional symbols
23412	Z5171	2021-09		Indirect, temperature-controlled refrigerated delivery services – Land transport of parcels with intermediate transfer

## Testing and Inspection

	803	Z6001	withdrawn	Method of test for metal bucket
*	1318	Z6002	1995-12	Method of test for steel drums for liquid
	2109	Z6003	1991-06	Method of test for domestic use cement paper sacks
	2401	Z6004	withdrawn	Method of test for steel straps for packing use (→CNS 2400)
	2445	Z6005	withdrawn	Method of test for polyethylene bottle
	2543	Z6006	2003-09	Packaging-Complete · filled transport packages-Compression and stacking tests using a compression tester
	2544	Z6007	withdrawn	Method of Incline Impact Test for Packages and Shipping Containers
	2575	Z6008	1973-01	Method of test for sodium oxide extracted from glass containers for food
	2576	Z6009	1966-03	Method of test for off-roundness of glass containers for food storage
	2577	Z6010	1972-10	Method of test for perpendicularity of glass containers
	2578	Z6011	1972-10	Method of test for stability of glass containers
	2999	Z6012	2004-08	Packaging—Complete, filled transport packages— Vertical impact test by dropping
	3327	Z6013	1988-09	Method of test for pin adhesion of corrugated board by selective separation
	3347	Z6014	1999-01	Determination of capacity for canned food on empty cans
	3366	Z6015	withdrawn	Method of test for crown cap
	3511	Z6016	1991-06	Method of test for compression strength of corrugated paperboard containers
	3534	Z6017	withdrawn	Method of Test for Sealing Plastic Adhesive Tape (→CNS 4 2 9 2 )
	3961	Z6018	withdrawn	Method of Test Hazardous Substance of Plastic Materials and Containers for Food Packaging (→CNS 1 2 2 2 0 )
*	4060	Z6019	withdrawn	Method of test for rounded metal cans for foods
	4211	Z6020	1991-06	Method of test for export use cement paper sacks
	4288	Z6021	withdrawn	Method of test for pressure sensitive cloth tapes for packaging (→CNS 4 2 8 7 )
	4290	Z6022	withdrawn	Method of test for pressure sensitive adhesive paper tapes for packaging (→CNS 4 2 8 9 )
	4292	Z6023	withdrawn	Method of test for pressure sensitive adhesive polyvinyl chloride tapes (→CNS 4 2 9 1 )

CNS no.	Category no.	Date of		Title
		Current edition		
4294	Z6024	withdrawn		Method of test for pressure sensitive adhesive cellophane tapes (→CNS 4 2 9 3)
4339	Z6025	1978-03		Method of test for determining water emersion endurance of glue seams of paper sacks
5637	Z6026	withdrawn		Shipping Test for Consumer Electronic Products
5638	Z6027	withdrawn		Shipping Tests for Electronic Components (Excluding Electron Tube)
6728	Z6028	withdrawn		Method of test for storage of rust preventing oil
* 6730	Z6029	withdrawn		Method of test for polyethylene films for packaging
* 6865	Z6030	1980-12		Method of test for moisture in aerosol products
* 6866	Z6031	1980-12		Method of test for delivery rate of aerosol products
* 6867	Z6032	1980-12		Method of test for pressure in glass aerosol bottles
* 6868	Z6033	1980-12		Method of test for pressure in metal aerosol containers: Can-piercing method
* 6869	Z6034	1980-12		Method of test for pressure in metal aerosol containers: Valve measurement method
7092	Z6035	withdrawn		Method of for paraffin paper (for packaing)
* 7093	Z6036	1981-03		Method of test for determination of the water vapour transmission rate of moisture-proof packaging materials (Dish method)
7179	Z6037	1981-03		Reporting laboratory results when checking aerosol containers
* 7180	Z6038	2016-12		Method of test for flammability of aerosol products
7459	Z6039	1981-05		Storage testing of aerosol products
* 7537	Z6040	withdrawn		Filling and inspection of glass aerosol containers
8170	Z6041	1994-05		Method of test for flat pallets
8338	Z6042	withdrawn		Method of test for pressure sensitive adhesive polyvinyl chloride tapes for corrosion protection (→CNS 8 3 3 7)
8552	Z6043	withdrawn		Method of test for polyethylene treated paper (→CNS 8551)
8554	Z6044	withdrawn		Method of test for volatile corrosion inhibitor (→CNS 8553)
8640	Z6045	withdrawn		Method of test for pressure sensitive adhesive plastic films for printing (→CNS 8639)
8750	Z6046	withdrawn		Method of test for pressure sensitive adhesive polypropylene tapes (→CNS 8 7 4 9)
8882	Z6047	withdrawn		Method of test for box pallets for through transit
8885	Z6048	withdrawn		Method of test for pallet racks
9197	Z6049	withdrawn		Method of test for volatile corrosion inhibitor treated paper (→CNS 9196)
9199	Z6050	withdrawn		Method of test for plastic coating compound, strippable (Hot dipping)
9333	Z6051	withdrawn		Determination of percent product retention in pressurized food containers
9447	Z6052	1982-09		Method of test for volatile content of aerosol products (Vacuum distillation method)
9448	Z6053	1982-09		Method of test for volatile content of aerosol products (Densimetric method)
* 9450	Z6054	withdrawn		Method of test for pressure sensitive adhesive paper for printing
9451	Z6055	1982-09		Method of cleaning with petroleum-based solvent
9649	Z6056	1982-11		Method of test for overrun of food aerosol products
9650	Z6057	1982-11		Method of drop testing of glass aerosol bottles
9762	Z6058	1982-12		Method of test for pressure drop rate of compressed gas-propelled products
9764	Z6059	1982-12		Method of measurement of A-D dimension of aerosol valve dip tubes
9917	Z6060	1983-01		Practice for comparison of spray patterns of aerosol products
10033-1	Z6061-1	2005-03		Complete, filled transport packages - General rules for the compilation of performance test schedules - Part 1: General principle
10033-2	Z6061-2	2005-03		Complete, filled transport packages – General rules for the compilation of performance test schedules – Part 2: Quantitative data
10033-3	Z6061-3	2005-03		Complete, filled transport packages – General rules for the compilation of performance test schedules – Part 3: General rules for

CNS no.	Category no.	Date of		Title
		Current edition		
				performance testing
10036	Z6062	1983-02		Method of test for seepage rate of aerosol products
10037	Z6063	1983-02		Method of test for particle-size distribution of space-insecticide aerosol
10134	Z6064	1983-03		Method of test for delivered mass of aerosol products
10397	Z6065	withdrawn		Method of test for corrosion preventive greaseproofed barrier materials
10477	Z6066	withdrawn		Method of test for polyethylene extrusion – Coated cellophane
10479	Z6067	withdrawn		Method of test for strippable plastic paint for protection (sprayable) (→CNS 10478)
10482	Z6068	1983-07		Method of test for static compression for package cushioning materials
10585	Z6069	withdrawn		Method of test for coating materials of metal cans of foods (Adhesive test for lacquered film) (→CNS 2773)
10586	Z6070	withdrawn		Method of test for coating materials of metal cans of foods (Impact bent test of lacquered film) (→CNS 2773)
10587	Z6071	withdrawn		Method of test for coating materials of metal cans of foods (Determining the pinhole of lacquered film) (→CNS 2773)
10588	Z6072	withdrawn		Method of test for coating materials of metal cans of foods (Determining of coating weight of lacquered film) (→CNS 2773)
10589	Z6073	withdrawn		Method of test for coating materials of metal cans of foods (Sterilization test of lacquered film) (→CNS 2773)
10590	Z6074	withdrawn		Method of test for coating materials of metal cans of foods (Sulfur stain resistance test of lacquered film) (→CNS 2773)
*	10591	Z6075	withdrawn	Method of test for plastic films for food packaging
	10634	Z6076	2012-04	Method of test for stitch strength of sewn kraft paper sacks
	10635	Z6077	1983-10	Method of Test for Drop of Kraft Paper Sack
	10636	Z6078	1983-10	Method of test for water permeability of packing material
	10677	Z6079	withdrawn	Method of test for heat shrinkable plastic films for packaging
	11484	Z6080	1986-01	Method of test for puncture of paperboard and corrugated fiberboard
	11485	Z6081	withdrawn	Method of test for edgewise compressive strength of corrugated fiberboard - Rectangle form specimen
	11486	Z6082	1986-01	Method of Test for Edgewise Compressive Strength of Corrugated Fiberboard - Butterfly Form Specimen
	11487	Z6083	1986-01	Method of Test for Wet Ply Separation of Corrugated Fiberboard
	11488	Z6084	1986-01	Method of Test for Flat Crush of Corrugated Fiberboard
	11887	Z6085	withdrawn	Pressure sensitive adhesive double coated tapes (→CNS 11886)
	11888	Z6086	2014-04	Methods of test for pressure sensitive adhesive tapes and sheets
*	12218	Z6087	withdrawn	Methods of test for hygiene of food utensils, containers and packages - Glass products
*	12219	Z6088	withdrawn	Methods of test for hygiene of food utensils, containers and packages - Metallic container
*	12220	Z6089	withdrawn	Methods of test for hygiene of food utensils, containers and packages - Plastic products (general regulation)
*	12221	Z6090	withdrawn	Methods of test for hygiene of food utensils, containers and packages - Plastic products (classified regulation)
	12804	Z6091	withdrawn	Method of test for 18 liter metal cans
	12962	Z6092	1992-01	Method of test for dangerous goods packaging (Steel drum)
	12993	Z6093	2006-06	Packaging – Complete, filled transport packages and unit loads – Vibration tests at fixed low frequency
	13019	Z6094	withdrawn	Method of test for plastic flat pallets (Slip, Bending Creep, Weathering, Drop)
	13190	Z6095	2004-06	Packaging – Complete, filled transport packages and unit loads – Conditioning for testing
	13232	Z6096	withdrawn	Method of revolving hexagonal drum test for package and shipping

CNS no.	Category no.	Date of		Title
		Current edition		
				containers
13262	Z6097	withdrawn		Method of test for pails
13510	Z6098	withdrawn		Method of test for post pallets
14615	Z6099	2001-12		Testing method of performance for package cushioning materials
14616	Z6100	2001-12		Testing method of performance for structural cushioning materials for packaging
14634	Z6101	2002-04		Mechanical-shock fragility testing method for products for packaging design
14839	Z6102	2004-07		Packaging – Complete, filled transport packages and unit loads – Water-spray test
14865	Z6103	2004-09		Packaging – Complete, filled transport packages and unit loads – Horizontal impact tests
14994	Z6104	2006-06		Packaging – Complete, filled transport packages and unit loads – Sinusoidal vibration tests using a variable frequency
15721	Z6105	2014-04		Self adhesive tapes – Determination of peel adhesion properties
15722	Z6106	2014-04		Self adhesive tapes – Measurement of static shear adhesion
15723	Z6107	2014-04		Self adhesive tapes – Measurement of breaking strength and elongation at break
15966	Z6108	2017-01		Packaging – Child resistant packaging – Mechanical test methods for reclosable child resistant packaging systems

## Miscellaneous

	1	Z7001	1988-12	Preferred Numbers - Series of Preferred Number
	2	Z7002	1944-06	Standard Diameter
	35	Z7003	1947-03	Standard Testing Temperature
	37	Z7004	withdrawn	Millimeter-inch conversion tables
	88	Z7005	2011-05	Classification of CNS national standards
	89	Z7006	2011-05	Coding criteria of CNS national standards
	385	Z7007	withdrawn	Standard Sieve, Round Hole (→CNS 3 8 6)
*	386	Z7008	1984-11	Test sieves
	386-1	Z7008-1	2012-04	Test sieves - For construction engineering
	2110	Z7009	withdrawn	Numbers of Men's Shoes (→CNS 8 8 7)
	2307	Z7010	withdrawn	A row of brushes
	2309	Z7011	withdrawn	Painting brushes
*	2395	Z7012	1986-02	Standard Atmospheric Conditions for Testing
	2399	Z7013	withdrawn	Straw mat for one man use
	2515	Z7014	withdrawn	Collar hooks(large size)
	2516	Z7015	withdrawn	Collar hooks(small size)
	2521	Z7016	1984-08	Laminated Aluminium Foils
	2572	Z7017	withdrawn	Shoe eyes · double—side
	2573	Z7018	withdrawn	Shoe eyes · single —side
	2598	Z7019	2012-08	Charcoal for fuel use
	2647	Z7020	1972-10	Gummed kraft paper tape (Water soluble, for plywood manufacture)
	2722	Z7021	withdrawn	Plastic sponges for metal(tentative)
	2827	Z7022	1967-10	Grommet (with Washer)
	2828	Z7023	2013-01	Plastics — Standard atmospheres for conditioning and testing
	2829	Z7024	withdrawn	Carrier, medical oxygen cylinder
	2830	Z7025	withdrawn	Graphical Symbols for Welding (→CNS 3-6)
	2957	Z7026	2014-09	Filler rods for gas welding of mild steel
	2994	Z7027	1987-03	Marking for Content of Movable High Pressure Compressed Gas Containers
	3029	Z7028	withdrawn	Literature reports(tentative)
	3030	Z7029	withdrawn	Format for publication of engineering and scientific reports
	3031	Z7030	withdrawn	Format for scientific periodicals(tentative)
	3066	Z7031	2023-01	Glass thermometers
	3193	Z7032	withdrawn	Steel-sheet for shoe making(tentative)
	3250	Z7033	withdrawn	Mattresses of cotton,Gross and canvans(tentative)

General and  
Miscellaneous

		Date of		
CNS no.	Category no.	Current edition	Title	
3251	Z7034	withdrawn	Plastic cloth for anti-perspiration hats and caps(tentative)	
3328	Z7035	withdrawn	Pressure buttons(15mm)(tentative)	
3463	Z7036	withdrawn	Plastic foam cushion for sick bed	
3505	Z7037	2019-11	Welding consumables – Wire electrodes, wires and rods for welding of aluminium and aluminium alloys – Classification	
3506	Z7038	withdrawn	Covered electrodes for high tensile strength steel	
3507	Z7039	2018-09	Stainless steel covered electrodes	
*	3509	Z7040	1996-06	Covered Electrodes for Hardfacing
	3510	Z7041	1997-10	Copper and copper alloy covered electrodes
	3510-1	Z7041-1	1997-10	Copper and copper alloy gas welding rods
	3592	Z7042	1997-10	Nickel and nickel alloy covered electrodes
	3689	Z7043	2011-09	Guide for the drafting and structure of CNS national standards
	3710	Z7044	1974-03	Methods of Radiographic Test and Classification of Radiographs for Steel Welds
	3799	Z7045	withdrawn	Post box
	3858	Z7046	withdrawn	Tee squares
	3859	Z7047	1981-11	Textile Measuring Tapes
	3860	Z7048	1998-04	Steel tape measures
	3926	Z7049	1976-03	Dimensions of Printing Types
	3927	Z7050	1996-09	Proof Corrections
	4120	Z7051	1998-04	Type G standard test block for ultrasonic normal beam testing
	4121	Z7052	1998-04	Type N1 standard test block for ultrasonic normal beam testing of steel plates
	4122	Z7053	1998-04	Type A1 standard test block for ultrasonic testing
	4123	Z7054	1998-04	Type A2 standard test block for ultrasonic angle beam testing
	4124	Z7055	1998-04	Type A3 standard test block for ultrasonic angle beam testing
	4189	Z7056	withdrawn	Pegs
	4214	Z7057	withdrawn	Adjusting ring
	6870	Z7058	1980-12	16 mm $\varphi$ Grommet Washer
	4345	Z7059	2014-04	Retroreflective sheeting and tape
	4345-1	Z7059-1	withdrawn	Retroreflective sheeting and tape – part 1: glass beads type
	4345-2	Z7059-2	withdrawn	Retroreflective sheeting and tape – part 2: microprismatic type
	4791	Z7060	withdrawn	10 mm $\varphi$ Grommet washer
	4792	Z7061	withdrawn	14 mm $\varphi$ Grommet washer
	4793	Z7062	withdrawn	25 mm D Ring
	4794	Z7063	withdrawn	25 mm Width buckle
	4795	Z7064	withdrawn	38 mm Snap hook
	4796	Z7065	withdrawn	170 mm $\varphi$ Funnel
*	4797	Z7066	2019-09	Safety of toys (General requirements)
*	4797-1	Z7066-1	2014-10	Safety of toys - Part 1: Flammability
*	4797-2	Z7066-2	2022-02	Safety of toys – Part 2: Migration of certain elements
*	4797-3	Z7066-3	2015-07	Safety of toys – Part 3: Safety aspects related to mechanical and physical properties
*	4797-4	Z7066-4	1996-12	Toy Safety (Experimental Sets for Chemistry and Related Activities)
*	4797-5	Z7066-5	1996-12	Toy Safety (Chemical Toys (Sets) Other Than Experimental Sets)
	4797-6	Z7066-6	2020-12	Safety of toys – Part 6:Organic chemical compounds – Requirements
	4797-7	Z7066-7	2020-12	Safety of toys – Part 7: Organic chemical compounds – Sample preparation and extraction
	4797-8	Z7066-8	2020-12	Safety of toys – Part 8: Organic chemical compounds – Methods of analysis
	4797-9	Z7066-9	2020-12	Safety of toys – Part 9: Swings, slides and similar activity toys for indoor and outdoor family domestic use
	4797-10	Z7066-10	2020-05	Safety of toys – Part 10: Age determination guidelines
	4797-11	Z7066-11	2021-10	Safety of toys – part 11: Requirements and test methods for finger paints
	5257	Z7067	withdrawn	Graphical symbols for process flow diagrams
	5384	Z7068	withdrawn	25 mm Copper hook



CNS no.	Category no.	Date of	
		Current edition	Title
5948	Z7069	withdrawn	Standard reference conditions for measuring petroleum liquids and gases
6984	Z7070	withdrawn	Fit of clips
7460	Z7071	withdrawn	Knobs form B
7461	Z7072	withdrawn	Knobs form C and D
7462	Z7073	withdrawn	Knobs form H
7463	Z7074	withdrawn	Knobs form J
7464	Z7075	withdrawn	Knobs form riveting on A
7465	Z7076	withdrawn	Knobs form screwing in B
7466	Z7077	withdrawn	Blech knob with fastener plate
7467	Z7078	withdrawn	Simplex hook spring hooks made of one piece
7468	Z7079	withdrawn	Scissors snap
7469	Z7080	withdrawn	Roller buckles
7470	Z7081	withdrawn	Strap buckles
7471	Z7082	withdrawn	Eyes for straps and belts
7472	Z7083	withdrawn	Clamping plates for straps and belts
7761	Z7084	withdrawn	Spring snap with fixed square eye
7762	Z7085	withdrawn	Spring snap with fixed round eye and oval eye
7763	Z7086	withdrawn	Trigger snap with fixed square eye and round eye
7764	Z7087	withdrawn	R Snap hook half (Round wire)
7765	Z7088	withdrawn	Snap hook (Round wire and forged)
7766	Z7089	withdrawn	Loops
7767	Z7090	withdrawn	Loops
7768	Z7091	1981-07	Safety Pins
7769	Z7092	withdrawn	Double rivet button
7770	Z7093	withdrawn	Sheet-metal four hole button
7771	Z7094	withdrawn	Eyelets for canvas
7772	Z7095	withdrawn	Eyelets for cardboard labels
8173	Z7096	withdrawn	Clamps for spherical-ground joints
8174	Z7097	withdrawn	Laboratory glassware connections with spherical joint
8175	Z7098	withdrawn	Metal laboratory ware stand rods
8176	Z7099	withdrawn	Metal laboratory ware clamps
8177	Z7100	withdrawn	Metal laboratory ware stand bases
8178	Z7101	withdrawn	Metal laboratory ware boss heads fixed double clamp
8179	Z7102	withdrawn	Metal laboratory ware boss heads rotary double clamp
8180	Z7103	withdrawn	Metal laboratory ware hook connector
8181	Z7104	1981-11	Wooden Catch for Automobile Vehicle Transportation
8752	Z7105	withdrawn	Nomenclature of Drawing Instruments
8887	Z7106	withdrawn	Drawing Instruments: Technical Requirements
8888	Z7107	withdrawn	Compass (Half Set) with Interchangeable Point for Precision Drawing Instruments (P)
8889	Z7108	withdrawn	Dividers for Precision Drawing Instruments (P)
8890	Z7109	withdrawn	Spring Bow Compass with Interchangeable Points for Precision Drawing Instruments (P)
8891	Z7110	withdrawn	Spring - Bow Divider for Precision Drawing Instruments
8892	Z7111	withdrawn	Fixed Centre Spring Bow with Interchangeable Point for Precision Drawing Instruments (P)
8893	Z7112	withdrawn	Pen Points for Precision Drawing Instruments (P)
9043	Z7113	withdrawn	Pencil Points for Precision Drawing Instruments (P)
9044	Z7114	withdrawn	Divider Points for Precision Drawing Instruments (P)
9045	Z7115	withdrawn	Lengthening Bar for Precision Drawing Instruments (P)
9046	Z7116	withdrawn	Needles for Drawing Instruments
9047	Z7117	withdrawn	Pivots Needles for Fixed Center Spring Bow
9048	Z7118	withdrawn	Ruling Pen for Precision Drawing Instruments (P)
9049	Z7119	withdrawn	Border Pens for Precision Drawing Instruments (P)
9050	Z7120	withdrawn	Plastics ash-tray
9052	Z7121	withdrawn	Plastics mat
9551	Z7122	withdrawn	Steel wires and fluxes for submerged arc welding

General and  
Miscellaneous

Date of			
CNS no.	Category no.	Current edition	Title
9765	Z7123	withdrawn	Curve Pens for Drawing Instruments
9766	Z7124	withdrawn	Double Curve Pen for Drawing Instruments
9767	Z7125	withdrawn	Road Pens for Drawing Instruments
9768	Z7126	withdrawn	Center Tacks, Horn Centres for Drawing Instruments
9769	Z7127	withdrawn	Drawing Instruments, Proportional Divider
9770	Z7128	withdrawn	Drawing Instruments Big Bow Pencil and Big Bow Combaion with Interchangeable Parts
9771	Z7129	withdrawn	Compass with Interchangeable Points for School Drawing Instruments
9772	Z7130	withdrawn	Divider for School Drawing Instruments
9773	Z7131	withdrawn	Reversible Spring Bow for School Drawing Instruments
9774	Z7132	withdrawn	Spring Bow Divider for School Orawing Instruments
9775	Z7133	withdrawn	Mile-kilometre conversion tables
9776	Z7134	withdrawn	Nautical mile-kilometre conversion tables
9777	Z7135	withdrawn	Foot-metre convesion tables
9778	Z7136	withdrawn	Yard-metre conversion tables
9779	Z7137	withdrawn	Square foot-square metre conversion tables
9780	Z7138	withdrawn	Square yard-square metre conversion tables
9781	Z7139	withdrawn	Square inch-square centimetre conversion tables
9782	Z7140	withdrawn	Cubic foot-cubic metre conversion tables
9783	Z7141	withdrawn	Cubic inch-cubic centimetre conversion tables
9918	Z7142	withdrawn	Long ton-tonne conversion tables
9919	Z7143	withdrawn	Short ton-tonne conversion tables
9920	Z7144	withdrawn	Pound-kilogram conversion tables
9921	Z7145	withdrawn	Ounce-gramme conversion tables
9922	Z7146	withdrawn	Kiloliter-barrel (US) conversion tables
9923	Z7147	withdrawn	Gallon-litre conversion tables
9924	Z7148	withdrawn	Fixed Centre Spring Bow with Interchangeable Point for School Drawing Instruments
9925	Z7149	withdrawn	Pencil Points for School Drawing Instruments
9926	Z7150	withdrawn	Pen Point for School Drawing Instruments
9927	Z7151	withdrawn	Divider Points for School Drawing Instruments
9928	Z7152	withdrawn	Lengthening Bar for School Drawing Instruments
9929	Z7153	withdrawn	Ruling Pen for School Drawing Instruments
9930	Z7154	withdrawn	Spring Bow Centre-Wheel for Drawing Instruments
9931	Z7155	withdrawn	Threaded Bushing for Drawing Instruments
9932	Z7156	withdrawn	Needle Holders for Drawing Instruments
9933	Z7157	withdrawn	Indian Ink Writing and Drawing Instruments, Adapters for Compasses for Ink Writing Pens for Precision Drawing Instruments (P)
9934	Z7158	withdrawn	Points for Ball Point Pen Refills for School Drawing Instruments (S)
10038	Z7159	1983-02	Steel Wire Brush
10136	Z7160	1983-03	Method for Specification of Colour Differences for Opaque Materials
10398	Z7161	withdrawn	Foot pound (force)-kilogram (force) metre conversion tables
10399	Z7162	withdrawn	Pounds per square inch-kilograms per square centimetre conversion tables
10400	Z7163	withdrawn	Kilogram force per square millimeter-British ton force per square inch conversion tables
10401	Z7164	withdrawn	Kilogram force per square millimeter-US ton force per square inch conversion tables
10402	Z7165	withdrawn	Millimeter of mercury-millibar conversion tables
10403	Z7166	withdrawn	Atmosphere-millimeter of mercury conversion tables
10404	Z7167	withdrawn	Kilowatt-horsepower (British) conversion tables
10405	Z7168	withdrawn	Degree Fahrenheit-degree Celcius conversion tables
10895	Z7169	2020-06	Vocabulary of metrology – Basic and general concepts and associated terms (VIM)
10987	Z7170	withdrawn	International system of units
10988	Z7171	withdrawn	Clips for strap end

CNS no.	Category no.	Date of	
		Current edition	Title
11041	Z7172	withdrawn	British thermal unit-kilocalorie conversion tables
11042	Z7173	withdrawn	Kilocalory-watthour conversion tables
11043	Z7174	withdrawn	Horse power (metric)-kilowatt conversion tables
11044	Z7175	withdrawn	Horse power (metric)-horse power (British) conversion tables
11045	Z7176	withdrawn	Kilogram force-newton conversion table
11046	Z7177	withdrawn	Kilogram-force meter-newton meter or joule conversion tables
11082	Z7178	withdrawn	Kilogram-force per square centimeter-mega pascal conversion tables
11083	Z7179	withdrawn	Kilopascal-millimeter of water conversion tables
11084	Z7180	withdrawn	Kilopascal-millimeter of mercury conversion tables
11085	Z7181	withdrawn	Atomospheric pressure-mega pascal conversion tables
11086	Z7182	withdrawn	Megapascal-kilogram force per square millimeter conversion tables
11027	Z7183	1984-10	Definitions of Terms Relating to Density and Specific Gravity of Solids Liquids and Gases
11145	Z7184	withdrawn	Calorie-joule conversion tables
11146	Z7185	withdrawn	Kilocalorie per hour meter degree Celsius-watt per meter kelvin conversion tables
11147	Z7186	withdrawn	Kilocalorie per hour square meter degree Celsius-watt per square meter kelvin conversion tables
11148	Z7187	withdrawn	Calorie per gram degree Celsius-kilojoule per kilogram kelvin conversion tables
11149	Z7188	withdrawn	Kilowatt hour-megajoule conversion tables
11150	Z7189	withdrawn	Knot-meter per second conversion tables
11178	Z7190	withdrawn	25 mm copper ring
11179	Z7191	withdrawn	Coconut fiber cushion for sick bed
11256	Z7192	1985-04	Specitication of colours according to the CIE 1931 standard colorimetric system and the CIE 1964 supplementary standard colorimetric system
11257	Z7193	1985-04	Xenon Standard White Light Source
11294	Z7194	1985-06	Standard illuminants and sources for colorimetry
11295	Z7195	1985-06	Specification of Colours According to their Their Attributes
11296	Z7196	withdrawn	General principles concerning quantities, units and symbols
11296-1	Z7196-1	withdrawn	Quantities and units of space and time
11296-2	Z7196-2	withdrawn	Quantities and units of periodic and related phenomena
11296-3	Z7196-3	withdrawn	Quantities and units of mechanics
11296-4	Z7196-4	withdrawn	Quantities and units of heat
11296-5	Z7196-5	1985-10	Quantities and Units of Electricity and Magnetism
11296-6	Z7196-6	withdrawn	Quantities and units of light and related electromagnetic radiations (replaced by CNS 80000-7)
11296-7	Z7196-7	withdrawn	Quantities and units of acoustics (replaced by CNS 80000-8)
11296-8	Z7196-8	withdrawn	Quantities and unit of physical chemistry and molecular physics (replaced by CNS 80000-9)
11296-9	Z7196-9	1985-12	Quantities and Units of Atomic and Nuclear Physics
11296-10	Z7196-10	1985-12	Quantities and Units of Nuclear Reactions and Ionizing Radiations
11296-11	Z7196-11	withdrawn	Mathematical signs and symbols for use in the physical sciences and technology
11296-12	Z7196-12	1985-09	Dimensionless Parameters
11296-13	Z7196-13	1985-12	Quantities and Units of Solid State Physics
11351	Z7197	1985-08	Methods of Measurement for Colour of Reflecting of Transmitting Objects
11352	Z7198	1985-08	Method of Comparison for Surface Colour
11353	Z7199	1985-08	Methods of Measurement for Light Source Colour
11516	Z7200	withdrawn	Adhesive tape for nylon/rubber raincoat waterproof (Hotseal type)
11623	Z7201	withdrawn	Square millimeter-circular mil conversion tables
11723	Z7202	withdrawn	Pencil scratch tester for coated film
11822	Z7203	1987-01	Wax Coated Nylon Band for Electric Wire and Cables
11889	Z7204	withdrawn	Lensatic compass (Military type)
12476	Z7205	1988-12	Guide to The Use of Preferred Numbers and of Series of Preferred Numbers

General and  
Miscellaneous

	CNS no.	Category no.	Date of		Title
			Current edition		
	12480	Z7206	1992-07		Glossary of Terms Used in Powder Metallurgy
	12485	Z7207	1989-01		Guide to the Choice of Series of Preferred Numbers and of Series Containing More rounded Values of Preferred Numbers
	12608	Z7208	withdrawn		General requirements for the competence of testing and calibration laboratories (→CNS 1 7 0 2 5)
	12670	Z7209	2016-04		Methods of post weld heat treatment
*	12775	Z7210	2017-12		Low energy air guns for recreation
	12831	Z7211	1998-04		Welding terms
	12864	Z7212	2007-05		Information and documentation - International standard book number (ISBN)
	13002	Z7213	2015-02		Welding and allied processes - Welding positions
	13005	Z7214	2020-12		Welding consumables – Solid wires and rods for TIG welding of mild steels, high strength steels and low temperature service steels
	13006	Z7215	1992-06		MAG Welding Solid Wire for Molybdenum Steel and Chromium Molybdenum Steel
	13007	Z7216	1992-06		MAG Welding Flux Cored Wire for Molybdenum Steel and Chromium Molybdenum Steel
	13008	Z7217	2018-09		Stainless steel rods, wires and strip electrodes for welding
	13009	Z7218	2018-10		Classification and testing methods for weld metal of stainless steel overlay welding with strip electrode
	13010	Z7219	2018-09		Stainless steel tubular cored wires and rods for arc welding
	13011	Z7220	2007-05		Filler rods and solid wires for TIG welding of 9% nickel steel
	13012	Z7221	2007-05		Submerged arc welding solid wires and fluxes for 9% nickel steel
	13013	Z7222	1992-06		Copper and Copper Alloy Rods and Wires for Inert Gas Shielded Arc Welding
	13014	Z7223	2014-09		Solid wires for submerged arc welding of carbon steels and low alloy steels
	13015	Z7224	2014-09		Fluxes for submerged arc welding
	13037	Z7225	2007-05		Covered electrodes for atmospheric corrosion resisting steel
	13039	Z7226	withdrawn		Covered electrodes for low alloy high tensile strength steel
	13040	Z7227	2007-05		Covered electrodes for 9% nickel steel
	13041	Z7228	withdrawn		Calibration and testing laboratory accreditation system - General requirements for operation and recognition
	13042	Z7229	withdrawn		Testing Laboratory Accreditation System - General Recommendations for the Operation (→CNS 1 3 0 4 1)
*	13043	Z7230	2015-09		6 mm projectiles used with low energy air guns for recreation
	13123	Z7231	withdrawn		General requirements for the acceptance of testing laboratories
	13124	Z7232	withdrawn		General requirements for the acceptance of inspection bodies
	13125	Z7233	withdrawn		Development and operation of laboratory proficiency testing
	13126	Z7234	1992-12		Metallic and Other Non - organic Coatings - General Rules for Corrosion Tests Applicable for Storage Conditions
	13127	Z7235	1992-12		Metallic and Other Non - organic Coatings - General Rules for Stationary Outdoor Exposure Corrosion Tests
	13128	Z7236	1992-12		Standard Practice for Atmospheric Environmental Exposure testing of nonmetallic Materials
	13148	Z7237	2003-06		Format for information exchange
	13149	Z7238	1993-01		Method for Examining Documents , Determining Their Subjects , and Selecting Indexing Terms
	13150	Z7239	1993-01		Bibliography Data Element Directory - Interloan Applications
	13151	Z7240	2018-12		Information and documentation – International library statistics
	13152	Z7241	1993-01		Abstracts Writing
	13153	Z7242	1993-01		International Standard Serial Number ( ISSN )
	13162	Z7243	2011-11		Guide for the proposal of CNS national standards
	13222	Z7244	1993-06		Bibliographic Filing Principles
	13223	Z7245	2003-06		Guideline for the content, organization and presentation of indexes
	13224	Z7246	1993-06		Guidelines for the Establishment and Development of Monolingual Thesauri in Western Language
	13225	Z7247	1993-06		Serial Holdings Statements

	CNS no.	Category no.	Date of Current edition	Title
	13226	Z7248	1993-06	China MARC Format
	13227	Z7249	2003-10	General international standard bibliographic description
*	13338	Z7250	1994-01	Helmet for Baseball Use
*	13339	Z7251	1994-01	Helmet for Soft Baseball and Softball Use
*	13340	Z7252	1994-01	Helmet of Catcher for Baseball and Softball Use
	13372	Z7253	1994-03	Standard Practice for Conducting Exposures to Daylight Filtered Through Glass
	13401	Z7254	2019-10	Corrosion of metals and alloys – Corrosivity of atmospheres – Classification, determination and estimation
	13402	Z7255	2002-05	Methods for corrosion testing of metallic and other inorganic coatings on metallic substrates— Rating of test specimens and manufactured articles subjected to corrosion tests
	13461	Z7256	1994-12	Information Retrieval Service and Protocol
	13462	Z7257	withdrawn	Common command language
	13463	Z7258	1994-12	Spine Title on Books and Other Publications
	13490	Z7259	1995-01	Principles for Corporate Bodies Abbreviations
	13491	Z7260	1995-01	Numbering of Divisions and Subdivision in Written Documents
	13503	Z7261	1995-02	Presentation of Theses and Dissertation
	13607	Z7262	1995-11	Documentation - Bibliographic Control Characters
	13608	Z7263	1995-11	Presentation of Title Information of Series
	13609	Z7264	1995-11	Title Leaves of Books
	13610	Z7265	1995-11	Documentation - Presentation of Scientific and Technical Reports
	13611	Z7266	1995-11	Bibliographic References: Content, Form and Structure
	13612	Z7267	1995-11	Guidelines for Planning and Design of Public Library Building and Facilities
*	13719	Z7268	2020-12	Welding consumables – Covered electrodes for mild steel, high tensile strength steel and low temperature service steel
	13753	Z7269	2019-10	Corrosion of metals and alloys – Corrosivity of atmospheres – Determination of corrosion rate of standard specimens for the evaluation of corrosivity
	13754	Z7270	1996-07	Corrosion of Metals and Alloys - Corrosivity of Atmospheres - Measurement of Pollution
	13771	Z7271	1996-09	Documentation and Information - Vocabulary - Part 1: Basic Concepts
	13772	Z7272	1996-09	Principles for Library Code in Taiwan and Fuchien Area, R.O.C.
	13773	Z7273	withdrawn	Standard technical report number (STRN)
	13774	Z7274	withdrawn	Bibliographic identification (biblid) of contributions in serials and books
	13775	Z7275	withdrawn	Holdings statements for non-serial items
	13776	Z7276	1996-09	Permanence of Paper for Publications and Documents in Libraries and Archives
	13944	Z7277	2017-07	Method of preparing deposited metal pad and samples for chemical analysis
	13945	Z7278	withdrawn	Computerized book ordering
	13946	Z7279	1997-10	Documentation and information— vocabulary— part 2: traditional documents
	13947	Z7280	1999-08	Documentation – International standard recording code (ISRC)
	13948	Z7281	1997-10	Information and documentation— international standard music number (ISMN)
	13949	Z7282	1997-10	Documentation— abstract sheets in serial publications
	13950	Z7283	1997-10	Contents list of periodicals
	14122	Z7284	1998-03	Corrosion of metals and alloys— Removal of corrosion products from corrosion test specimens
	14123	Z7285	2020-12	Metals and alloys – Atmospheric corrosion testing – General requirements for field tests
	14276	Z7286	2020-12	Electric toys – Safety
	14307	Z7287	1999-05	Information and documentation – Vocabulary – Section 3 (a): Acquisition, identification, and analysis of documents and data

General and  
Miscellaneous

CNS no.	Category no.	Date of		Title
		Current edition		
14308	Z7288	1999-05		Single—tier steel bracket library shelving
14309	Z7289	1999-05		Documentation — Presentation of contributions to periodicals and other serials
14512	Z7290	2001-01		Corrosion tests in artificial atmosphere—General requirements
14513	Z7291	2001-01		Glossary of terms to corrosion and corrosion testing
14590	Z7292	2021-08		Welding consumables – Technical delivery conditions for filler materials and fluxes – Type of products, dimensions, tolerances and markings
14591	Z7293	2014-09		Classification and test methods for submerged arc welding deposited metal of mild steel and low alloy steels
14592	Z7294	2001-11		Molybdenum steel and chromium molybdenum steel covered electrodes
14593	Z7295	withdrawn		Covered electrodes for low temperature service steel
14594	Z7296	2001-11		Covered electrodes for cast iron
14595	Z7297	2001-11		Nickel and nickel alloy filler rods and solids wires for arc welding
14596	Z7298	2020-12		Welding consumables – Gas shielded and self-shielded flux cored wires for arc welding of mild steel, high strength steel and low temperature service steel
14597	Z7299	2001-11		Arc welding flux cored wires for hardfacing
14598	Z7300	2014-09		Flux cored wires for electrogas arc welding
14599	Z7301	2014-09		Flux cored wires for CO <sub>2</sub> gas shielded arc welding of atmospheric corrosion resisting steel
14600	Z7302	2018-10		Classification and testing methods for deposited metal of stainless steel by submerged arc welding
14601	Z7303	2020-12		Welding consumables – Solid wires for MAG and MIG welding of mild steel, high strength steel and low temperature service steel
14710	Z7304	2002-12		Corrosion of metal and alloys - evaluation of pitting corrosion
14711	Z7305	2002-12		Metallic and other non- organic coatings - Sulfur dioxide test with general condensation of moisture
14712	Z7306	2002-12		Paints and varnishes— Determination of resistance to humid atmospheres containing sulfur dioxide
14810	Z7307	2004-04		Standard test methods for holiday detection in pipeline coating
14811	Z7308	2004-04		Standard test method for field measurement of soil resistivity using the Wenner Four-Electrode method
14812	Z7309	2004-04		Corrosion of metals and alloys-Determination of dezincification resistance of brass
14916	Z7310	2006-12		Retroreflective pavement marker
15489-1	Z7311-1	2010-03		Information and documentation - Records management - Part 1: General
15489-2	Z7311-2	2010-03		Information and documentation - Records management - Part 2: Guidelines
*	15503	Z7312	2019-09	General safety requirements for children's products
	15543	Z7313	2012-04	Information and documentation — Library performance indicators
	15755-1-1	Z7314-1-1	2014-09	Conversion tables for units - Part 1-1: Mass - Metric ton and long ton
	15755-1-2	Z7314-1-2	2014-09	Conversion tables for units - Part 1-2: Mass - Metric ton and short ton
	15755-1-3	Z7314-1-3	2014-09	Conversion tables for units - Part 1-3: Mass - Kilogram and pound
	15755-1-4	Z7314-1-4	2014-09	Conversion tables for units - Part 1-4: Mass - Gram and ounce
	15755-2-1	Z7314-2-1	2014-09	Conversion tables for units - Part 2-1: Length - Millimeter and inch
	15755-2-2	Z7314-2-2	2014-09	Conversion tables for units - Part 2-2: Length - Kilometer and mile
	15755-2-3	Z7314-2-3	2014-09	Conversion tables for units - Part 2-3: Length - Kilometer and nautical mile
	15755-2-4	Z7314-2-4	2014-09	Conversion tables for units - Part 2-4: Length - Meter and foot
	15755-2-5	Z7314-2-5	2014-09	Conversion tables for units - Part 2-5: Length - Meter and yard
	15755-3-1	Z7314-3-1	2014-09	Conversion tables for units - Part 3-1: Area - Square meter and square foot
	15755-3-2	Z7314-3-2	2014-09	Conversion tables for units - Part 3-2: Area - Square meter and square yard
	15755-3-3	Z7314-3-3	2014-09	Conversion tables for units - Part 3-3: Area - Square centimeter and

CNS no.	Category no.	Date of		Title
		Current edition		
				square inch
15755-3-4	Z7314-3-4	2014-09		Conversion tables for units - Part 3-4: Area - Square millimeter and circular mil
15755-4-1	Z7314-4-1	2014-09		Conversion tables for units - Part 4-1: Volume - Cubic meter and cubic foot
15755-4-2	Z7314-4-2	2014-09		Conversion tables for units - Part 4-2: Volume - Cubic centimeter and cubic inch
15755-4-3	Z7314-4-3	2014-09		Conversion tables for units - Part 4-3: Volume - Kiloliter and barrel (U.S.)
15755-4-4	Z7314-4-4	2014-09		Conversion tables for units - Part 4-4: Volume - Liter and imperial gallon
15755-5-1	Z7314-5-1	2014-09		Conversion tables for units - Part 5-1: Pressure or stress - Kilogram-force per square centimeter and pound per square inch
15755-5-2	Z7314-5-2	2014-09		Conversion tables for units - Part 5-2: Pressure or stress - Kilogram-force per square millimeter and British ton force per square inch
15755-5-3	Z7314-5-3	2014-09		Conversion tables for units - Part 5-3: Pressure or stress - Kilogram-force per square millimeter and U.S. ton force per square inch
15755-5-4	Z7314-5-4	2014-09		Conversion tables for units - Part 5-4: Pressure or stress - Millimeter of mercury and millibar
15755-5-5	Z7314-5-5	2014-09		Conversion tables for units - Part 5-5: Pressure or stress - Millimeter of mercury and standard atmosphere
15755-5-6	Z7314-5-6	2014-09		Conversion tables for units - Part 5-6: Pressure or stress - Megapascal and kilogram-force per square centimeter
15755-5-7	Z7314-5-7	2014-09		Conversion tables for units - Part 5-7: Pressure or stress - Kilopascal and millimeter of water
15755-5-8	Z7314-5-8	2014-09		Conversion tables for units - Part 5-8: Pressure or stress - Kilopascal and millimeter of mercury
15755-5-9	Z7314-5-9	2014-09		Conversion tables for units - Part 5-9: Pressure or stress - Megapascal and standard atmosphere
15755-5-10	Z7314-5-10	2014-09		Conversion tables for units - Part 5-10: Pressure or stress - Megapascal and kilogram force per square millimeter
15755-6-1	Z7314-6-1	2014-09		Conversion tables for units - Part 6-1: Work - British thermal unit(IT and kilocalorie
15755-6-2	Z7314-6-2	2014-09		Conversion tables for units - Part 6-2: Work - Watt hour and kilocalorie
15755-6-3	Z7314-6-3	2014-09		Conversion tables for units - Part 6-3: Work - Joule and kilogram-force meter
15755-6-4	Z7314-6-4	2014-09		Conversion tables for units - Part 6-4: Work - Joule and calorie
15755-6-5	Z7314-6-6	2014-09		Conversion tables for units - Part 6-5: Work - Megajoule and kilowatt hour
15755-7-1	Z7314-7-1	2014-09		Conversion tables for units - Part 7-1: Power - Kilowatt and horsepower (U.K.)
15755-7-2	Z7314-7-2	2014-09		Conversion tables for units - Part 7-2: Power - Kilowatt and horsepower(metric)
15755-7-3	Z7314-7-3	2014-09		Conversion tables for units - Part 7-3: Power - Horsepower (metric) and horsepower (U.K.)
15755-8-1	Z7314-8-1	2014-09		Conversion tables for units - Part 8-1: Force - Newton and kilogram-force
15755-9-1	Z7314-9-1	2014-09		Conversion tables for units - Part 9-1: Moment of force - Kilogram-force meter and pound-force foot
15755-10-1	Z7314-10-1	2014-09		Conversion tables for units - Part 10-1: Velocity - Meter per second and knot
15755-11-1	Z7314-11-1	2014-09		Conversion tables for units - Part 11-1: Thermodynamic temperature - Degree Celsius and degree Fahrenheit
15755-12-1	Z7314-12-1	2014-09		Conversion tables for units - Part 12-1: Specific heat capacity - Kilojoule per kilogram kelvin and calorie per gram degree Celsius
15755-13-1	Z7314-13-1	2014-09		Conversion tables for units - Part 13-1: Heat transfer - Watt per meter kelvin and kilocalorie per hour meter degree Celsius

General and  
Miscellaneous

CNS no.	Category no.	Date of		Title
		Current edition		
15755-13-2	Z7314-13-2	2014-09		Conversion tables - Part 13-2: Heat transfer - Watt per square meter kelvin and kilocalorie per hour square meter degree Celsius
15747	Z7315	2014-09		Method of test for release of nickel from articles come into contact with human body
80000-1	Z7316-1	2015-01		Quantities and units - Part 1: General
80000-2	Z7316-2	2015-01		Quantities and units - Part 2: Mathematical signs and symbols to be used in the natural sciences and technology
80000-3	Z7316-3	2016-07		Quantities and units – Part 3: Space and time
80000-4	Z7316-4	2016-07		Quantities and units – Part 4: Mechanics
80000-5	Z7316-5	2016-07		Quantities and units – Part 5: Thermodynamics
80000-7	Z7316-7	2020-12		Quantities and units – Part 7: Light and radiation
80000-8	Z7316-8	2022-10		Quantities and units – Part 8: Acoustics
80000-9	Z7316-9	2020-12		Quantities and units – Part 9: Physical chemistry and molecular physics
15786	Z7317	2015-02		Procurement guidelines for welding consumables
15834	Z7318	2015-09		Road marking performance for road users
15876-1	Z7319-1	2022-01		Specification and qualification of welding procedures for metallic materials – Welding procedure tests – Part 1: Arc and gas welding of steels and arc welding of nickel and nickel alloys
15876-2	Z7319-2	2017-08		Specification and qualification of welding procedures for metallic materials – Welding procedure tests – Part 2: Arc welding of aluminium and its alloys
15876-5	Z7319-5	2017-08		Specification and qualification of welding procedures for metallic materials – Welding procedure tests – Part 5: Arc welding of titanium, zirconium and their alloys
15876-7	Z7319-7	2019-10		Specification and qualification of welding procedures for metallic materials – Welding procedure test – Part 7: Overlay welding
15877-1	Z7320-1	2016-04		Specification and qualification of welding procedures for metallic materials – Welding procedure specification – Part 1: Arc welding
15878	Z7321	2016-04		Specification and qualification of welding procedures for metallic materials – General rules
15879	Z7322	2021-08		Welding coordination – Tasks and responsibilities
15986-1	Z7323-1	2017-07		Quality requirements for fusion welding of metallic materials – Part 1: Criteria for the selection of the appropriate level of quality requirements
15986-2	Z7323-2	2017-07		Quality requirements for fusion welding of metallic materials – Part 2: Comprehensive quality requirements
15986-3	Z7323-3	2017-07		Quality requirements for fusion welding of metallic materials – Part 3: Standard quality requirements
15986-4	Z7323-4	2017-07		Quality requirements for fusion welding of metallic materials – Part 4: Elementary quality requirements
15986-5	Z7323-5	2017-07		Quality requirements for fusion welding of metallic materials – Part 5: Documents with which it is necessary to conform to claim conformity to the quality requirements of CNS 15986-2, CNS 15986-3 or CNS 15986-4
15986-6	Z7323-6	2017-07		Quality requirements for fusion welding of metallic materials – Part 6: Guidelines on implementing CNS 15986 series standards
16050	Z7324	2018-09		Welding consumables – Gases and gas mixtures for fusion welding and allied processes
16074	Z7325	2018-09		Welding and allied processes – Nomenclature of processes and reference numbers
16091	Z7326	2019-02		Welding – Arc-welded joints in aluminium and its alloys – Quality levels for imperfections
16092	Z7327	2019-02		Welding – Fusion-welded joints in steel, nickel, titanium and their alloys (beam welding excluded) – Quality levels for imperfections
16093-1	Z7328-1	2019-02		Welding and allied processes – Types of joint preparation – Part 1: Manual metal arc welding, gas-shielded metal arc welding, gas welding, TIG welding and beam welding of steels
16093-3	Z7328-3	2019-02		Welding and allied processes – Types of joint preparation – Part 3:



CNS no.	Category no.	Date of Current edition	Title
			Metal inert gas welding and tungsten inert gas welding of aluminium and its alloys
16100	Z7329	2019-09	Specification and qualification of welding procedures for metallic materials – Qualification based on tested welding consumables
16101	Z7330	2019-09	Specification and qualification of welding procedures for metallic materials – Qualification based on previous welding experience
16102	Z7331	2019-09	Specification and qualification of welding procedures for metallic material – Qualification based on pre-production welding test
16112	Z7332	2019-10	Specification and qualification of welding procedures for metallic materials – Qualification by adoption of a standard welding procedure specification
16118-1	Z7333-1	2019-11	Qualification testing of welders for underwater welding – Part 1: Hyperbaric wet welding
16157	Z7334	2022-01	Welding – Measurement of preheating temperature, interpass temperature and preheat maintenance temperature

## Testing and Inspection

	1162	Z8001	withdrawn	Standard of Inspecting Straw Mattings
	2113	Z8002	withdrawn	Method of brinell hardness test(replaced by CNS 2113-1、CNS 2113-2)
	2113-1	Z8002-1	2021-07	Brinell hardness test – Part 1: Test method
	2113-2	Z8002-2	2021-07	Brinell hardness test – Part 2: Table of hardness values
*	2114	Z8003	2011-08	Method of Rockwell hardness test
	2115	Z8004	1983-07	Method of Vickers Hardness Test
	2648	Z8005	1972-10	Method of test for kraft-paper tape (Water soluble, for plywood manufacture)
	2723	Z8006	withdrawn	Method of test for plastic sponge (for oiling metal)
	3464	Z8007	1987-06	Method of Erichsen Cupping Test
	3508	Z8008	2017-07	Method of hardness test for deposited metal
	3512	Z8009	withdrawn	Method of test for charcoal
	3593	Z8010	withdrawn	Testing standard for bared electrodes of nickel and nickel alloys
	3711	Z8011	withdrawn	Methods of Fluorescece Transmittance Test for Trouble Shooting (→CNS 11047)
	3712	Z8012	1974-03	Ultrasonic Testing for Metals
	3861	Z8013	1975-07	Method of Test for Measuring Tapes
*	4344	Z8014	withdrawn	Testing standard for reflective safety signs
	4346	Z8015	withdrawn	Method of Test for Retroreflective Sheeting and Tape
	4798	Z8016	withdrawn	Method of test for toy safety (General rules) (→CNS 4797)
	4798-1	Z8016-1	withdrawn	Method of test for toy safety : Testing for flammability of textile materials (→CNS 4797-1)
	4798-2	Z8016-2	withdrawn	Method of test for toy safety (Testing for flammability of rigid and pliable solids) (→CNS 4797-1)
	4798-3	Z8016-3	withdrawn	Method of test for toy safety (Testing for flammability of disguise costumes and toys intended to be entered by a child) (→CNS 4797-1)
	4798-4	Z8016-4	withdrawn	Method of test for toy safety : Testing for durability and legibility of labels (→CNS 4797)
	4798-5	Z8016-5	withdrawn	Method of test for toy safety (Testing for toxic substance content) (→CNS 4797-2)
	4798-6	Z8016-6	withdrawn	Method of test for toy safety (Testing for irritant substance content) (→CNS 4797-2)
	4798-7	Z8016-7	withdrawn	Method of test for toy safety (Testing for corrosive substance content) (→CNS 4797-2)
	4798-8	Z8016-8	withdrawn	Method of test for toy safety (Testing for wet/dry crocking of textile materials) (→CNS 4797-2)
	4798-9	Z8016-9	withdrawn	Method of test for toy safety (Testing for color fastness of textile materials to perspiration) (→CNS 4797-2)
	4798-10	Z8016-10	withdrawn	Method of test for toy safety (Testing for lead and other hazardous

General and  
Miscellaneous

CNS no.	Category no.	Date of		Title
		Current edition		
				heavy metals content) (→CNS 4 7 9 7 - 2)
4798-11	Z8016-11	withdrawn		Method of test for toy safety (Testing for accessibility) (→CNS 4 7 9 7 - 3)
4798-12	Z8016-12	withdrawn		Method of test for toy safety (Testing for hazardous sharp edge) (→CNS 4 7 9 7 - 3)
4798-13	Z8016-13	withdrawn		Method of test for toy safety (Testing for hazardous sharp point) (→CNS 4 7 9 7 - 3)
4798-14	Z8016-14	withdrawn		Method of test for toy safety (Testing for ingestion or inhalation hazards) (→CNS 4 7 9 7 - 3)
4798-15	Z8016-15	withdrawn		Method of test for toy safety (Testing for moving components) (→CNS 4 7 9 7 - 3)
4798-16	Z8016-16	withdrawn		Method of test for toy safety (Testing for toys which are labelled as being washable) (→CNS 4 7 9 7 - 3)
4798-17	Z8016-17	withdrawn		Method of test for toy safety (Drop test) (→CNS 4 7 9 7 - 3)
4798-18	Z8016-18	withdrawn		Method of test for toy safety (Tip-over test for toys of large area or volume) (→CNS 4 7 9 7 - 3)
4798-19	Z8016-19	withdrawn		Method of test for toy safety (Tumble test for wheeled toys) (→CNS 4 7 9 7 - 3)
4798-20	Z8016-20	withdrawn		Method of test for toy safety (Torque test) (→CNS 4 7 9 7 - 3)
4798-21	Z8016-21	withdrawn		Method of test for toy safety (Tension test) (→CNS 4 7 9 7 - 3)
4798-22	Z8016-22	withdrawn		Method of test for toy safety (Bite test) (→CNS 4 7 9 7 - 3)
4798-23	Z8016-23	withdrawn		Method of test for toy safety (Compression test) (→CNS 4 7 9 7 - 3)
4798-24	Z8016-24	withdrawn		Method of test for toy safety (Impact test for projectiles propelled by a discharge mechanism) (→CNS 4 7 9 7 - 3)
4798-25	Z8016-25	withdrawn		Method of test for toy safety (Seam strength test) (→CNS 4 7 9 8 7 - 3)
4798-26	Z8016-26	withdrawn		Method of test for toy safety (Tension test for tyre removal) (→CNS 4 7 9 7 - 3)
4798-27	Z8016-27	withdrawn		Method of test for toy safety (Tension test for wheeled toys having an axle retained by a snap in fixture) (→CNS 4 7 9 7 - 3)
4798-28	Z8016-28	withdrawn		Method of test for toy safety (Compression test for wheeled toys having an axle retained by a snap-in fixture) (→CNS 4 7 9 7 - 3)
4798-29	Z8016-29	withdrawn		Method of test for toy safety (Flexure test for toys with stiffening means for retention of form) (→CNS 4 7 9 7 - 3)
4798-30	Z8016-30	withdrawn		Method of test for toy safety (Testing for mouth-actuated toys) (→CNS 4 7 9 7 - 3)
4798-31	Z8016-31	withdrawn		Method of test for toy safety (Impact test for toys that cover the face)
4798-32	Z8016-32	withdrawn		Method of test for toy safety (Measurement of noise level) (→CNS 4 7 9 7 - 3)
4798-33	Z8016-33	withdrawn		Method of test for toy safety (Testing for handheld rattles or other handheld toys which are designed to produce sound when shaken) (→CNS 4 7 9 7 - 3)
4798-34	Z8016-34	withdrawn		Method of test for toy safety (Testing for kinetic energy determination of projectile toys) (→CNS 4 7 9 7 - 3)
4798-35	Z8016-35	withdrawn		Method of test for toy safety (Testing for stability of ride-on or sit-on toys) (→CNS 4 7 9 7 - 3)
4798-36	Z8016-36	withdrawn		Method of test for toy safety (Testing for toys containing a heat source) (→CNS 4 7 9 7 - 3)
4798-37	Z8016-37	withdrawn		Method of test for toy safety (Testing for toys containing a steam engine) (→CNS 4 7 9 7 - 3)
7094	Z8017	1983-07		Method of micro-hardness test for Vickers and Knoop hardness
7095	Z8018	1989-01		Method of Shore Hardness Test
* 7183	Z8019	1981-03		Methods for measurement of noise level

		Date of		
CNS no.	Category no.	Current edition	Title	
7250	Z8020	withdrawn	Method for determining average concentration of weld fume in welding environment	
7330	Z8021	withdrawn	Method of measuring weld fume concentration (→CNS 7 2 5 0)	
* 7473	Z8022	withdrawn	Method of Rockwell Superficial Hardness Test	
7773	Z8023	1981-07	Methods of measurement for glossiness	
8753	Z8024	1989-06	Methods of Noise Level Measurement for Fans Blowers and Compressors	
8754	Z8025	1989-06	Methods of Noise Spectrum Measurement for Fans, Blowers and Compressors	
* 8886	Z8026	2002-05	Methods of salt spray testing	
8894	Z8027	1982-05	Method for Determining Clay Content of Foundry Sand	
8895	Z8028	1982-05	Method for Determining Fineness of Foundry Sand	
8896	Z8029	1982-05	Method for Determining Permeability of Foundry Sands	
8897	Z8030	1982-05	Method for Determining Strength of Foundry Sand	
8898	Z8031	1982-05	Method for Determining Moisture of Foundry Sand	
8899	Z8032	1982-05	Method for Determining Ignition Loss of Foundry Sand	
8900	Z8033	1982-05	Method for Determining Deterioration of Foundry Sand	
9051	Z8034	withdrawn	Method of test for plastics ash-tray	
9053	Z8035	withdrawn	Method of test for plastics mat	
9200	Z8036	withdrawn	Method of corrective test for etched-stem mercury-in-glass thermometer (partial immersion type)	
9201	Z8037	1982-07	Method for Determining Oil Content in Metal Powder Sintered Bearing Oil Impregnated	
9202	Z8038	1982-07	Method for Determining Flow Rate of Metal Powders	
9203	Z8039	1982-07	Method of Sampling for Metal Powder	
9204	Z8040	1982-07	Method for Determining Apparent Density of Metal Powders	
9205	Z8041	1982-07	Method for Determining Density of Metal Powder Sintered Materials	
9206	Z8042	1982-07	Method for Determining Intercommunicating Porosity of Sintered Metal, Oil Impregnated	
9207	Z8043	1982-07	Method for Determining Radial Crushing Strength Constant of Metal Powder Sintered Bearing Oil Impregnated	
9334	Z8044	withdrawn	Method of test for safety sign board	
9651	Z8045	withdrawn	Method of test for fluorescent safety sign	
9652	Z8046	withdrawn	Method of test for lantern-type safety sign	
11040	Z8047	1984-09	Method of Conical Cup Test	
11047	Z8048	1994-01	General Rule for Liquid Penetrant Testing	
11048	Z8049	1994-12	General Rule for Magnetic Particle Testing	
11049	Z8050	1991-01	General Rules for Radiographic Testing	
11050	Z8051	1995-12	General Rules for Eddy Current Testing	
11051	Z8052	1985-03	General Rules for Ultrasonic Testing by Pulse Echo Technique	
11224	Z8053	1991-01	Evaluation Characteristics of Pulse Echo Ultrasonic Testing System	
11225	Z8054	1985-03	Liquid Penetrant Test for Castings	
11226	Z8055	1991-01	Radiographic Test for Carbon Steel Weldment	
11376	Z8056	1985-09	Liquid Penetrant Test for Forgings	
* 11377	Z8057	1985-09	Magnetic Particle Test for Castings and Forgings	
11378	Z8058	1995-01	Magnetic Particle Test for Welds	
11379	Z8059	1991-01	Radiographic Test for Castings	
11398	Z8060	1994-01	Method of Liquid Penetrant Test for Welds	
11399	Z8061	1985-10	Method of Straight-Beam Ultrasonic Test of Steel Plate for Pressure Vessel Use	
11400	Z8062	1985-10	Method of Eddy Current Test for Metal Bars Rods and Wires	
11401	Z8063	1995-12	Method of Ultrasonic Test for Steel Butt Welds	
11517	Z8064	withdrawn	Method of test for adhesive tape for nylon/rubber raincoat waterproof (Hotseal type)	
11749	Z8065	1986-10	Glossary of Terms Related to Nondestructive Testing (Liquid Penetrant Testing Terms)	
11750	Z8066	1986-10	Glossary of Terms Related to Nondestructive Testing (Magnetic	

General and  
Miscellaneous

CNS no.	Category no.	Date of		Title
		Current edition		
				Particle Testing Terms)
11751	Z8067	1986-10		Glossary of Terms Related to Nondestructive Testing (Radiographic Testing Terms)
11823	Z8068	1987-01		Glossary of Terms Related to Nondestructive Testing (Eddy Current Testing Terms)
12404	Z8069	1988-08		Method of Qualification Test for Sphere Holder Welding Procedure
12450	Z8070	1988-10		Methods for Measuring Specific Gravity of Liquid
12451	Z8071	1988-10		Methods for Measuring Specific Gravity of Solid
12455	Z8072	2015-02		Methods of tensile test for butt welded joints
12547	Z8073	1989-06		Method of Tension Test for Front Fillet Welded Joint
12548	Z8074	1989-06		Method of Shear Test for Side Fillet Welded Joint
12618	Z8075	2000-07		Method of ultrasonic test for the welds of steel structure
12619	Z8076	1989-10		Radiographic Test for Stainless Steel Weldment
12620	Z8077	2011-08		Method of eddy current test for steel pipes and tubes
12621	Z8078	1989-10		General Rule for Leak Testing
12622	Z8079	1989-10		Method of Ultrasonic Test for Large Forged Steel Shaft
12660	Z8080	withdrawn		Method of test for qualification procedure of welding technique (replaced by CNS 15985-1)
12661	Z8081	1990-01		Method of Test for Liquid Pentrant and Classification of Indication
12662	Z8082	1990-01		Method of Test for Qualification Procedure of Gas Pressure Welding Technique
12663	Z8083	1990-01		Method of Test for Radiographic and Classification of Radiographs for Titanium Welds
12664	Z8084	1990-01		Method of Test for Qualification Procedure of Welding Technique of Plastics
12665	Z8085	withdrawn		Method of test for qualification procedure of welding technique of stainless steel (replaced by CNS 15985-1)
12666	Z8086	withdrawn		Method of test for qualification procedure of semi-automatic arc welding technique (replaced by CNS 15985-1)
12667	Z8087	1990-01		Method of Test for Qualification of Welding Procedure
12668	Z8088	1990-01		Method of Test for Manual Ultrasonic Examination and Classification of Testing Results for Ferritic Steel Welds
12669	Z8089	withdrawn		Method of test for qualification procedure of welding technique of aluminum and aluminum alloy (replaced CNS 15985-2)
12671	Z8090	1990-01		Method of Test for Radiographic and Classification of Radiographs for Stainless Steel Welds
12672	Z8091	1990-01		Method of Test for Radiographic and Classification of Radiographs of Aluminum
12673	Z8092	1990-01		Method of Test for Free Bend of Butt Welding Joint
12674	Z8093	1990-01		Method of Test for Roller Bend of Butt Welding Joint
12675	Z8094	1990-01		Method of Test for Qualification Procedure of Ultrasonic Testing Technique of Aluminum and Aluminum Alloy Welds
12676	Z8095	2015-02		Bend tests on welds in metallic materials
12677	Z8096	1990-01		Method of Test for Qualification Procedure of Radiographic Testing Technique of Welds
12805	Z8097	2016-04		Method of break test for fillet welds joint
12806	Z8098	1990-11		Method of Bend Test for T Type Fillet Welded Joint
12845	Z8099	1998-04		Method of straight-beam ultrasonic test for structure-use steel plate
12846	Z8100	1991-03		Helium Mass Spectrometer Leak Testing by Trace Probe Method
12847	Z8101	1991-03		General Rules for Visual Testing
*	Z8102	withdrawn		Method of test for game gun
	Z8103	withdrawn		Testing standard for gas cartridge used for game gun
12994	Z8104	1992-06		Method of Determination for total Carbon Content of Hardmetals (Gravimetric Method)
12995	Z8105	1992-06		Method of Determination for Insoluble (free) Carbon Content of Hardmetals (Gravimetric Method)
12996	Z8106	1992-06		Method of Determination for Contents of Metallic Elements of Hardmetals by X-Ray Fluorescence (Fusion Method)

CNS no.	Category no.	Date of		Title
		Current edition		
12997	Z8107	1992-06		Method of Determination for Porosity and Uncombined Carbon of Hardmetals (Metallographic Method)
12998	Z8108	1992-06		Method of Determination for Microstructure of Hardmetals (Metallographic Method)
12999	Z8109	1992-06		Method of Compression Test for Hardmetals
13000	Z8110	1992-06		Method of Transverse Rupture Strength Test for Hardmetals
13001	Z8111	1992-06		Method of Radiographic Testing for Circumferential Butt Welds of Aluminum Pipes and Tubes
13003	Z8112	1992-06		Method of Radiographic Testing for Aluminum T-Welds
13004	Z8113	1992-06		Method of Welding Procedure Qualification Test for Stainless-clad steels
13020	Z8114	2000-07		Method of radiographic test for the welds of steel structure
13021	Z8115	2000-07		Method of visual test for the welds of steel structure
13038	Z8116	1992-09		Method of Test for Wide Plate Tension of Butt Welded Joint
13163	Z8117	1993-02		Method of Soundness Test for Fillet Welds
13164	Z8118	1993-02		Method of Tension Shear Test for Spot Welded Joints
13165	Z8119	1993-02		Method of Macro Test for Section of Spot Welded Joints
13166	Z8120	1993-02		Inspection for Flash Welds (Steel)
13252	Z8121	1993-08		Method of Tension Test for Spot Welded Joints
13253	Z8122	1993-08		Method of Inspection for Spot Welds
13254	Z8123	1993-08		Method of Bend Test for Stud Welds
13264	Z8124	1993-09		Test Sieving
13341	Z8125	2000-07		Method of magnetic particle test for the welds of steel structure
13342	Z8126	1994-01		Glossary of Terms Related to Nondestructive Testing (Ultrasonic Testing Terms)
13403	Z8127	1994-06		Method of Ultrasonic Test for Seamless Steel and Electric Resistance Welded Steel Pipes and Tubes
13404	Z8128	1994-06		Method of Ultrasonic Test for Arc Welded Steel Pipes
13405	Z8129	1994-06		Evaluation Performance Characteristics of Eddy Current Flaw Detecting System
13406	Z8130	1994-06		Method of Eddy Current Test for Steel Products by Encircling Coil Technique
13464	Z8131	2000-07		Method of liquid penetrant test for the welds of steel structure
13588	Z8132	2019-04		Qualification and certification of non-destructive testing personnel
13717	Z8133	2015-02		Methods of tension and impact tests for deposited metal
13718	Z8134	2016-04		Method for measurement of amount of hydrogen evolved from steel welds
14135	Z8135	1998-04		Method of thickness measurement by ultrasonic pulse echo technique for metals
14136	Z8136	1998-04		Method of ultrasonic test for steel forgings
14137	Z8137	1998-04		Method of eddy current test for titanium pipes and tubes
14138	Z8138	1998-04		Method of ultrasonic test for titanium pipes and tubes
* 15138	Z8139	2012-12		Method of test for determination of plasticizers from plastic toys
* 15138-1	Z8139-1	2012-06		Method of test for determination of phthalates plasticizers in plastic products – Part 1: Gas chromatography/mass spectrometry
15787	Z8140	2015-02		Method of fillet weld test for welding consumables
15880	Z8141	2022-11		Non-destructive testing of welds – Vision testing of fusion-welded joints
15984	Z8142	2017-07		Destructive tests on welds in metallic materials – Impact tests – Test specimen location, notch orientation and examination
15985-1	Z8143-1	2017-08		Qualification testing of welders – Fusion welding – Part 1: Steels
15985-2	Z8143-2	2017-08		Qualification testing of welders – Fusion welding – Part 2: Aluminium and aluminium alloys
15985-5	Z8143-5	2017-08		Qualification testing of welders – Fusion welding – Part 5: Titanium and titanium alloys, zirconium and zirconium alloys
16119	Z8144	2019-11		Welding personnel – Qualification testing of welding operators and weld setters for mechanized and automatic welding of metallic materials

CNS no.	Category no.	Date of		Title
		Current edition		
16178	Z8145	2022-10		Steel and iron castings – Visual testing of surface quality
19959	Z8146	2022-10		Steels, nickel alloys and cobalt alloys investment castings – Visual testing of surface quality

## Photography and Motion Pictures

5142	Z9001	2001-12		Photography - Tripod connections
5143	Z9002	withdrawn		Still cameras–Shutter exposure–time markings
5144	Z9003	withdrawn		Still cameras–lens aperture markings
5145	Z9004	withdrawn		Optical filters for photographic equipment (mounted and unmounted)
5146	Z9005	withdrawn		Light sources for use in sensitometric exposure – Simulation of the spectral distribution of daylight
5147	Z9006	withdrawn		Dimensions of small flash connections for hand-held cameras
5148	Z9007	2001-12		Photography - Camera accessory shoes, with and without electrical contact, for photoflash lamps and electronic photoflash units
5149	Z9008	withdrawn		Determination of flash guide numbers
5150	Z9009	2001-12		Photography - Processing chemicals - Specifications for hydroquinone
5151	Z9010	2001-12		Photography - Processing chemicals - Specifications for anhydrous sodium carbonate and sodium carbonate monohydrate
5152	Z9011	withdrawn		Crystalline sodium thiosulphate (Photographic grade)
5153	Z9012	2001-12		Photography - Processing chemicals - Specifications for potassium bromide
5154	Z9013	2001-12		Photography - Processing chemicals - Specifications for glacial acetic acid
5155	Z9014	withdrawn		Colour film for general use – Sizes of sheet material
5156	Z9015	withdrawn		Determination of speed of monochrome (Black and white) continuous-tone photographic negative materials for still photography
5157	Z9016	withdrawn		35 mm filmstrips – Dimensions and formats
5158	Z9017	1989-03		Dimensions for 127, 120 and 620 Roll Film, Backing Paper and Film Spools
5159	Z9018	withdrawn		Edge-marked, roll film – Identification of the emulsion side
5160	Z9019	withdrawn		Dimension for 35 mm film magazines for still picture use
5161	Z9020	withdrawn		Exposed colour roll film-identification
5162	Z9021	1989-03		Projector Slides - Dimensions
5163	Z9022	withdrawn		Determination of CNS speed of colour reversal films for still photography - Sensitometric exposure and evaluation method
5164	Z9023	withdrawn		Films (In rolls) for phototypesetting and photolettering devices – dimensions
5165	Z9024	withdrawn		Black and white paper for roll paper printers – Sizes of rolls
5166	Z9025	withdrawn		Colour paper for general use – Sizes of sheet material
5167	Z9026	withdrawn		Colour paper for roll paper printers - Sizes of rolls
5168	Z9027	withdrawn		Quantity packaging of sensitized materials
5169	Z9028	withdrawn		Stereo system using 35mm objectives on 35mm film, five-perforation format - Specification
5170	Z9029	withdrawn		Camera usage of 8 mm type R motion–picture film – Specification
5171	Z9030	withdrawn		35 mm Negative photographic sound record on 35 mm motion picture film – Position and width dimensions
5172	Z9031	withdrawn		8 mm Type S motion–picture raw stock film – Cutting and perforating dimensions
5173	Z9032	withdrawn		Camera usage of 8 mm motion–picture film perforated type S
5174	Z9033	withdrawn		Motion–picture safety film
5258	Z9034	withdrawn		Cinematography – 35 mm motion–picture film and magnetic film – Cutting and perforating dimensions
5259	Z9035	withdrawn		Cinematography – Projector usage of 8 mm type S motion–picture film for direct front projection
5260	Z9036	withdrawn		Labelling of containers for unexposed motion–picture films and magnetic films – Minimum information specifications

CNS no.	Category no.	Date of		Title
		Current edition		
5261	Z9037	withdrawn		Sizes of photocopies (on paper) readable without optical devices
5262	Z9038	withdrawn		Picture size of cameras using 35 mm and 16 mm film
5385	Z9039	withdrawn		Sodium hydroxide (Photographic grade)
5386	Z9040	withdrawn		Method of test for sodium hydroxide (Photographic grade)
5387	Z9041	withdrawn		Benzotriazole (Photographic grade)
5388	Z9042	withdrawn		Method of test for benzotriazole (Photographic grade)
5389	Z9043	withdrawn		Aluminium potassium sulphate dodecahydrate (Photographic grade)
5390	Z9044	withdrawn		Method of test for aluminium potassium sulphate dodecahydrate of photographic grade
5639	Z9045	withdrawn		Focal length markings of lenses
5640	Z9046	withdrawn		Distance scales for focusing photographic lenses
5641	Z9047	withdrawn		Photography-Roll film cameras - Back window location and picture sizes
5642	Z9048	2001-12		Photography - Front lens barrels up to 127 mm - Dimensions important to connection of auxiliaries
5643	Z9049	withdrawn		Nomenclature for parts of a photographic objective lens
6292	Z9050	withdrawn		Nomenclature and labeling of prepared photographic processing chemicals
6293	Z9051	withdrawn		General rule of measurement for focal length of photographic lenses
6294	Z9052	withdrawn		Method of measurement for focal length of photographic lenses – Focal length comparing method
6295	Z9053	withdrawn		Method of measurement for focal length of photographic lenses – Distant objective aiming method
6296	Z9054	withdrawn		Method of measurement for focal length of photographic lenses – Nodal slide method
6297	Z9055	withdrawn		8mm motion picture cameras
7096	Z9056	withdrawn		Shutter cable release tips and sockets for cameras
7097	Z9057	withdrawn		Self-timers for cameras
7098	Z9058	withdrawn		Threaded lens mounts and flange focal distances for 8 mm and 16 mm motion picture cameras
7099	Z9059	withdrawn		Spindles for 8 mm motion picture cameras
7100	Z9060	withdrawn		Film spools for 8 mm motion picture cameras
7474	Z9061	withdrawn		Focal-plane shutters
7475	Z9062	withdrawn		Methods of measurement for effective aperture, F-number, aperture ratio and T-number of photographic lenses
7476	Z9063	withdrawn		Methods of measurement for effective F-number & T-number
* 9935	Z9064	withdrawn		Optical glasses
* 9936	Z9065	1986-12		Method of Test for Optical Properties of Optical Glasses
* 9937	Z9066	withdrawn		Method of test for chemical durability of optical glasses (Powder method)
* 9938	Z9067	withdrawn		Method of test for chemical durability of optical glasses (Surface method)
* 9939	Z9068	withdrawn		Method of test for knoop hardness of optical glasses
* 9940	Z9069	withdrawn		Method of test for abrasion of optical glasses
* 9941	Z9070	withdrawn		Method of test for striae in optical glasses
* 9942	Z9071	withdrawn		Method of test for seeds in optical glasses
* 9943	Z9072	withdrawn		Method of test for inclusions in optical glasses
* 9944	Z9073	1986-12		Method of Test for Strain of Optical Glasses
12503	Z9074	withdrawn		Expendable photoflash lamps - Determination of the light output
12504	Z9075	withdrawn		Expendable photoflash lamps (without integral reflector) - Definitions and requirements for luminous flux/time characteristics
12505	Z9076	2001-12		Photography - Photographic lenses - Distance scale markings
12807	Z9077	1997-02		Quality Requirement for Microfilm of Documents and Drawings
12808	Z9078	1997-02		Quality Requirement for Microfilming from Rotary Cameras
13352-1	Z9079-1	1994-02		Micrographics Vocabulary (Section 01: General Terms)
13352-2	Z9079-2	1994-02		Micrographics Vocabulary (Section 02: Image Positions and Methods of Recording)
13352-3	Z9079-3	2012-11		Micrographics - Vocabulary - Part 3: Film processing

General and  
Miscellaneous

CNS no.	Category no.	Date of		Title
		Current edition		
13352-4	Z9079-4	2012-11		Micrographics - Vocabulary - Part 4: Materials and packaging
13352-5	Z9079-5	1994-02		Micrographics Vocabulary (Section 05: Quality of Images, Legibility, Inspection)
13352-6	Z9079-6	1994-02		Micrographics Vocabulary (Section 06: Equipment)
13352-7	Z9079-7	1994-03		Micrographics Vocabulary (Section 07: Computer Micrographics)
13352-8	Z9079-8	2001-12		Micrographics-Vocabulary-Part8 : Use
13352-10	Z9079-10	2001-12		Micrographics-Vocabulary-Part10 : Index
13420	Z9080	1994-07		Micrographics - First generation Silver - Gelatin Microfilms of Source Documents - Density Specifications
13421	Z9081	1994-07		Micrographics - Diazo and Vesicular Films - Visual Density - Specifications
13450	Z9082	withdrawn		Microfilming of press cuttings - Part 1: 16 mm silver-gelatin type roll microfilm
13451	Z9083	withdrawn		Microfilming of press cuttings - Part 2: A6 size microfiche
13566	Z9084	1995-07		Practice for Operational Procedures /Inspection and Quality Control of First-Generation,Silver Microfilm of Documents
13633	Z9085	withdrawn		Micrographics - Transparent A6 Size Microfiche of Uniform Division - Image Arrangements No.1 and No.2
13634	Z9086	withdrawn		Micrographics - Transparent A6 Size Microfiche of Variable Division - Image Arrangements A and B
13720	Z9087	1996-06		Micrographics-ISO Resolution Test Chart No. 2 - Description and Use
13721	Z9088	withdrawn		Micrographics – Microfilming of newspapers for archival purposes on 35 mm microfilm
13722	Z9089	1996-06		Documentation - Headers for microfiche of monographs and serials
13800	Z9090	1996-12		Photography—processed photographic black-and-white film for archival records— Silver-gelatin type on poly (ethylene terephthalate) base— Specifications
13801	Z9091	1996-12		Photography-Processed Photographic Black-and-White Film for Archival Records-Silver-Gelatin Type on Cellulose Ester Base-Specifications
13941	Z9092	1997-08		Micrographics - Microfilming of documents on 16 mm and 35 mm silver - gelatin type microfilm - Operating procedures
13942	Z9093	1997-08		Micrographics - Computer output microfiche (COM) - Microfiche A6
13951	Z9094	withdrawn		Flowchart symbols and their use in micrographics
14109-1	Z9095-1	2000-06		Microfilming of technical drawings and other drawing office documents - Part 1: Operating procedures
14109-2	Z9095-2	2000-06		Microfilming of technical drawings and other drawing office documents – Part 2: Quality criteria and control of 35mm silver gelatin microfilms
14109-3	Z9095-3	2000-06		Microfilming of technical drawings and other drawing office documents – Part 3: Unitized 35 mm microfilm carriers
14109-4	Z9095-4	2000-06		Microfilming of technical drawing and other drawing office documents – Part 4: Microfilming of drawings of special and exceptional elongated sizes
14109-5	Z9095-5	withdrawn		Microfilming of technical drawings and other drawings office documents - Part 5: Test procedures for diazo duplicating of microfilm images in aperture cards
14109-6	Z9095-6	2002-09		Microfilming of technical drawings and other drawings office documents – Part 6: Quality criteria and control of systems for enlargements from 35 mm microfilm.
14124	Z9096	withdrawn		Microfilming of technical drawing and other drawing office documents – Part 2: Quality criteria and control of 35 mm silver gelatin microfilms (→ CNS 1 4 1 0 9 – 2 )
14244	Z9097	withdrawn		Microcopying of technical drawings and other drawing office documents - Part 3: Unitized 35 mm microfilm carriers (→ CNS 1 4 1 0 9 – 3 )
14367	Z9098	1999-08		Photography – Film dimensions – Micrographics



CNS no.	Category no.	Date of		Title
		Current edition		
14368	Z9099	1999-08		Micrographics – Recommendations for the creation of original documents
14369	Z9100	1999-08		Micrographics – Reader – Printers for transparent microforms – Characteristics
14370	Z9101	1999-08		Micrographics – Readers for transparent microforms – Measurement of characteristics
14397	Z9102	1999-12		Micrographics – Graphical symbols for use in microfilming
14398	Z9103	1999-12		Micrographics – Planetary camera systems – Test target for checking performance
14617	Z9104	withdrawn		Micrographics - 16mm and 35 mm microfilm spools and reel - Specifications
14687	Z9105	withdrawn		Micrographics - Recommendations for the creation of microforms with legal admissibility
15025-1	Z9106-1	2008-08		Graphic technology - Process control for the production of half-tone colour separations, proof and production prints - Part 1: Parameters and measurement methods
15025-2	Z9106-2	2006-08		Graphic technology - Process control for the production of half-tone color separation, proof and production prints - Part 2: Offset lithography processes
15025-5	Z9106-5	2011-05		Graphic technology – Process control for the manufacture of half-tone colour separations, proof and production prints – Part5: Screen printing
15629	Z9107	2012-11		Micrographics – Transparent A6 microfiche – Image arrangements

GPN:4810400304

## **CNS CATALOG 2023**

Published in March 2023

First Published in April 1999

Publisher : Bureau of Standards, Metrology and Inspection  
Ministry of Economic Affairs

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