JTC1/SC2/WG2/ **N2348**

Ideographic

Rapportuer

Group

SuperCJK 13.0

A Super Set of Unified CJK Ideographs and Its Extension A & B

Ordered by

Kangxi Dictionary

2001.04.02

Universal Multiple-Octet Coded Character Set
UCS

ISO/IEC JTC1/SC2/WG2/IRG N **786/WG2 N2348**

Date: 2001-04-02

Source: Zhang Zhoucai , IRG Rapporteur,
Title: **SuperCJK , Version 13.0** with Kangxi & HYD Data
Action: Review with CJK Extension B PreIS (IRG N785)
Distribution: IRG Editors

Rapportuer's Note for The Version 13.0

   This version reflects more editorial changes on glyphs of CJK Extension B for PreIS, refer to IRG N789. The other attributes have not been changed.

   The SuperCJK **13.0** contains **70,205** Ideograph records while the CJK Extension B DIS has **42,711** Ideographs. See below:

	G	T	J	K	KP	V	H	Total
SuperCJK 13.0	57,623	54,452	13,119	17,392	23,761	9,299	1,101	**70,205**
CJK B for PreIS	30,527	30,177	302	166	5,642	4,232	1,081	**42,711**

Rapportuer's Note for The Version 12.0

   This version is identical to SuperCJK 11.1 except the following glyphs (in 128x128 bitmap) being revised according to IRG **N776**.

2-097C   2-1647   2-3764   2-37FF   2-41C6
2-41FE   2-4E6A   2-5771   2-59C4   2-5E62
2-6270   2-6C29   2-6E40   2-6E65   2-6F94
2-6FF6   2-6FF7   2-6FF8   2-70F4   2-7985
2-7BC7   2-85C8   2-85C9   2-8ADD   2-8AE4
2-8BC1   2-8F32   2-8FF8   2-9750   2-9E3D
2-9E8A   2-A437   2-A5F1   2-A61A   2-0202
2-0517   2-0BF6   2-0C16   2-163C   2-1CDF
2-1E46   2-1F43   2-20F6   2-2309   2-233C
2-23F4   2-2458   2-245C   2-24B8   2-2742
2-27AA   2-2A70   2-2B87   2-2F5B   2-3227
2-37C2   2-37C9   2-3CEB   2-4087   2-46FD
2-4776   2-47C6   2-4BC9   2-4BF3   2-52AC
2-5449   2-5864   2-58E0   2-5C99   2-5DEF

2-5E7A   2-5F07   2-5F08   2-60CF   2-63C1
2-66CE   2-6928   2-6ECD   2-7D7E   2-8302
2-85D4   2-85FD   2-8CBB   2-9AAA   2-A442
2-004D   2-00A6   2-0259   2-03CB   2-0558
2-0572   2-0A22   2-0A95   2-0B8E   2-0BC1
2-0D06   2-0E08   2-0E16   2-1AA6   2-2664
2-27E2   2-2868   2-28CA   2-28D2   2-2BBD
2-2C7F   2-2CD7   2-32A5   2-34E4   2-366E
2-36D0   2-376F   2-37BB   2-37D6   2-386C
2-3870   2-3896   2-389A   2-39B6   2-3A3A
2-3A40   2-3A82   2-3C46   2-3C4A   2-3FB9
2-410B   2-4389   2-4403   2-451A   2-47B4
2-4983   2-49DF   2-4A95   2-4EAA   2-51A6
2-51D1   2-51D4   2-5248   2-5249   2-5281
2-53F4   2-5455   2-5607   2-568C   2-572C
2-59A3   2-59D5   2-5A1A   2-5A73   2-5B17
2-5B6B   2-5B9F   2-5CC3   2-60B8   2-66F0
2-674A   2-67AE   2-6818   2-6830   2-686F
2-68B3   2-692E   2-69F2   2-69FA   2-6A5B
2-6A73   2-6A8F   2-6AA0   2-6AA1   2-6AA8
2-6B65   2-6C23   2-6C46   2-6D04   2-6D2A
2-6DFF   2-6E06   2-6E46   2-6E47   2-7078
2-713F   2-72B6   2-73CE   2-73E4   2-74A2
2-75FD   2-7B63   2-7BA4   2-7CF3   2-84CB
2-84EB   2-871A   2-8754   2-89C2   2-8BA2
2-8BBF   2-8C89   2-91AB   2-9219   2-92D1
2-92E9   2-9444   2-9EC2   2-A110   2-A3B8
2-A3BF   2-A3C0   2-A3C5   2-A3CF   2-A3D0
2-A3D2   2-A3D6   2-A3D7   2-A3DF   2-A3E2
2-A3E5   2-A5FA

The SuperCJK **12.0** contains **70,205** Ideograph records while the CJK Extension B DIS has **42,711** Ideographs. See below:

	G	T	J	K	KP	V	H	Total
SuperCJK 12.0	57,623	54,452	13,119	17,392	23,761	9,299	1,101	**70,205**
CJK B DIS	30,527	30,177	302	166	5,642	4,232	1,081	**42,711**

Rapportuer's Note for The Version 11.1

1. Although all of 96x96 font images in CJK Extension B PreDIS R1 code table have been replaced by 128x128 bitmaps (see IRG N758), **the diagram of SuperCJK 11.1 remains using 96x96 font images**, because of the lack of the 128x128 font images of CJK & CJK_A at this moment.
2. To compare the glyphs between new 128x128 images and the old 96x96 bitmaps,

please review the document **IRG N760** which shows both glyphs in CJK_B PreDIS R1.

3. The mapping table from DPR Korea has been added into the Mapping Table, which will be the part of the standard. As the result, 23761 Hanja from DPR Korea are mapped to CJK (14938 Hanja), CJK_A (3181 Hanja) and CJK_B (5642 Hanja).

4. Some stroke number errors are corrected:

36734	9 -> 10
36735	9 -> 10
38103	21 -> 19
38198	6 -> 7
38327	4 -> 3
38445	4 -> 5
41551	10 -> 9
41569	10 -> 9
42217	12 -> 11
42220	10 -> 11
~~42248~~	~~17 -> 13~~
43119	7 -> 8
43534	8 -> 7
43798	10 -> 9
43993	10 -> 11
44298	20 -> 21
46742	10 -> 11
47574	14 -> 15

5. Wrong KXI Numbers are corrected:

40906 (BMP) KXI: 0933.067 -> 0933.061

~~44101 (BMP) KXI: 0996.111 -> 0993.201~~

~~44102 (BMP) KXI: 0996.111 -> 0993.201~~

47891 (BMP) KXI: 1072.071 -> 1071.201

47894 (BMP) KXI: 1072.071 -> 1070.321

6. Taking DPR Korean Hanja into account, the statistics of SuperCJK are as follows: The SuperCJK **11.1** contains **70,205** Ideograph records while the CJK Extension B PreDIS R1 has **42,711** Ideographs. See below:

	G	T	J	K	KP	V	H	Total
SuperCJK 11.1	57,623	54,452	13,119	17,392	23,761	9,299	1,101	**70,205**
CJK B PreDIS R1	30,527	30,177	302	166	5,642	4,232	1,081	**42,711**

7. There is no changes with repertoire, encoding, unification/separation in this new version, SuperCJK 11.1.

This version is made by Ms.Wang Xiaoming , the Technical Editor of IRG.

Zhang Zhoucai, IRG Rapportuer, email: joezhg@public.bta.net.cn

Rapporteur's Note for the Version **11.0**

According to the report of Ms.Wang Xiaoming, the IRG Technical Editor, all changes of this version compared with the previous one are HK source code only.

1. Added two missing HCODEs

Record	Super CJK 10.2 Super CJK 10.1	Previous HCODE	SCJK10.2 CD HCODE	Suggested HCODE	Image
1.1	**01714**	HA-0709	N/A	H-92A1	働
1.2	**67827**	HA-2009	N/A	H-9EFE	窵

2. Changed HCODEs of the following 17 characters

scjk101	scjk102	font	old_hcode	cjk_hcode	new_hcode	kx_no
34783	**34783**		HC-0023	HC-0023	H-8A4D	0812.400
06952	**06952**		HA-0139	HA-0139	H-8B6A	0212.210
45522	**45522**		HA-0857	HA-0857	H-8EF5	1031.381
01899	**01899**		HA-0036	HA-0036	H-8F5D	0119.231
40273	**40273**		HA-0791	HA-0791	H-90B7	0916.121
28822	**28822**		HA-0567	HA-0567	H-9253	0680.101

50721	**50721**		HA-0550	HA-0550	H-92C9	1134.070
29772	**29772**		HA-0594	HA-0594	H-9455	0694.010
64751	**64751**		HA-1177	HA-1177	H-955D	1441.340
48634	**48634**		HA-0944	HA-0944	H-957A	1092.211
50758	**50758**		HA-0845	HA-0845	H-97DC	1134.370
26931	**26931**		HA-0488	HA-0488	H-9844	0645.270
50613	**50613**		HA-0966	HA-0966	H-9C5D	1127.261
45955	**45955**		HB-0008	HB-0008	H-9E64	1042.261
23876	**23876**		HA-2060	HA-2060	H-A0E8	0563.210
67931	**67931**		HA-1210	HA-1210	H-FB43	1494.460
28502	**28502**		HA-0175	HA-0175	H-FC65	0674.140

3.   Deleted two HCODEs

Record	Super CJK 10.2 Super CJK 10.1	Previous HCODE	SCJK10.2 CD HCODE	Suggested HCODE	Image
2.1	**05230**	N/A	HA-2008	N/A	咢
2.2	**03652**	N/A	HA-1241	N/A	勇

Rapporteur's Note for the Version 10.2

Compared with the previous version 10.1, this version recovered 4 glyphs (Ucode=2-0FAD,2-10C0,2-6E42, and 2-7B39) which were black-box-looking in 10.1. In addition to this, the new version replaced the mapping table for HK Government character set. The other attributes remain no change.

Rapporteur's Note for the Version 10.1

This version of SuperCJK is produced based on the Editorial Report IRG N 744 dated on 2000-06-23, by IRG Technical Editor Ms.Wang Xiaoming. Up to now, CJK Extension B FCD, the major portion of SuperCJK is still under ballot. Hence this version can not reflect the disposition of WG2 to the comments on CJK Extension B FCD. The SuperCJK 10.1 and the CJK Extension B (R1) should be regarded as IRG's INTERNAL WORKING DOCUMENTS only.

==

The SuperCJK **11.0** contains **70,205** Ideograph records while the CJK Extension B PreDIS has **42,711** Ideographs. See below:

	G	T	J	K	V	H	Total
SuperCJK 11.0	57,623	54,452	13,119	17,392	9,299	1,101	**70,205**
CJK B PreDIS	30,527	30,177	302	166	4,232	1,081	**42,711**

Appendix: Modifications on SuperCJK 10.0 .

A. Font & Source

1. Added Font & Source Code

UCODE SuperCJK100	Glyph	Adding Source	Adding Glyph
2-32BD 21153	纍	T4-5055	纍
2-335C 21390	楝	T5-3F65	楝
2-7698 50057	祈	T6-4E58	祈

2. Changed Source & Font

UCODE SuperCJK100	Old T-FONT	Changing Source	New T-FONT
2-45FD 29804	倈	T4-386E ↓ T5-4036	倈
2-85F4 56604	還	T5-516D ↓ T7-3447	還

3. Deleted Source

UCODE SuperCJK100	Glyph	Deleting Source
2-4510 29516	不	HA-0001
2-6B9B 45409	荢	HA-0857

4. Added Source

UCODE SuperCJK100	Glyph	Adding Source
0-8362 45572	莘	HA-0857

5. Deleted Recorder

UCODE SuperCJK100	Glyph	Source	NOTES
2-8AD8 58841	鉏	HA-1277	HK Request

6. Separated character

UCODE SuperCJK100	Separating Glyph	Separating Source
2-7E61 53508	瓘	T5-7444 KXI=1213.111

7. Added Recorder

Put After (UCODE SuperCJK100)	Adding Glyph	Adding Source	KXI
2-731F 48631	彙	T7-496B	1085.261

8. Unified By Revising Font

UCODE SuperCJK100	Source	Old Glyph	Revised Glyph	Unify to
2-842E 55828	T7-5F67	轞	轞	2-8424 55818 轞

2-713B 47844	HA-0935	蕙	蕙	2-713A 47843 蕙
2-531C 35160	HC-0023	曖	曖	0- 4053 34825 曖

B. Changed Font (230 Ideographs)

See ChangeFont.PDF

C. Unified Ideographs (73 Pairs)

See Unification.PDF which includes the following pairs:

Source	To be added Glyph	Unify to
T6-3E62	峵	2-1B92 11556 峵
T5-516D	�	2-85F4 56604 �
T6-4056	昌	2-31C8 20743 昌
J4-6E5C	湼	0-6E7C 26639 湟

D. Changed Wrong Position (109 Recorders)

See WrongPosition.PDF

E. Revised Strokes (30 Characters)

See WrongStroke.PDF

F. Ideographs with Wrong Strokes In KXI Dictionary itself

(23 Characters)

See WrongStrokInKXI.pdf

Ucode Super13.0 Super12.0 KangXi Hydz Radical Strok	Gcode Tcode Jcode Kcode Vcode Hcode Kpcode	96X96 NewForm / Traditional Form	128X128 Before / PreIS
04E00 00001 00001 0075.010 10001.010 — 0	G0-523B T1-4421 J0-306C K0-6C69 V1-4A21 KP0-FCD6		
04E01 00002 00002 0075.030 10002.050 — 1	G0-3621 T1-4423 J0-437A K0-6F4B V1-4A22 KP0-E8B9		
04E02 00003 00003 0075.050 10004.010 — 1	G5-3021 T4-2126 J1-3021		
20000 00004 00004 0075.060 10011.070 — 1	G_KX T5-2125		
04E03 00005 00005 0075.070 10003.030 — 1	G0-465F T1-4424 J0-3C37 K0-7652 V1-4A23 KP0-EFA6		
04E04 00006 00006 0076.010 10003.010 — 1	GE-2121 T3-2126 J1-3022		
04E05 00007 00007 0076.020 10002.040 — 1	GE-2122 T3-2125 J1-3023		
04E06 00008 00008 0076.021 10003.021 — 1	G1-7D3D K2-2121		
20001 00009 00009 0076.021 10004.020 — 1	G_HZ		
20002 00010 00010 0076.021 — 1	TF-2121		
04E07 00011 00011 0076.030 10009.030 — 2	G0-4D72 T2-2126 J0-4B7C K0-5832 V1-4A24 KP0-DAB9		
04E08 00012 00012 0076.040 10009.020 — 2	G0-5549 T1-4437 J0-3E66 K0-6D5B V1-4A25 KP0-E6DD		
04E09 00013 00013 0076.050 10004.030 — 2	G0-487D T1-4435 J0-3B30 K0-5F32 V1-4A26 KP0-E1B5		
04E0A 00014 00014 0076.070 10005.040 — 2	G0-494F T1-4438 J0-3E65 K0-5F3E V1-4A27 KP0-E1C2		
04E0B 00015 00015 0076.100 10007.010 — 2	G0-4F42 T1-4436 J0-323C K0-793B V1-4A28 KP0-F2BA		
04E0C 00016 00016 0076.130 10009.010 — 2	G0-5822 T2-2127 J1-3024 K2-2122		
20003 00017 00017 0076.140 10008.010 — 2	G_KX T6-212F		
20004 00018 00018 0076.141 — 2	T6-212D		
0536B 00019 00019 0076.141 10050.040 — 2	G0-4E40		
20005 00020 00020 0076.141 10010.010 — 2	G_HZ T6-212E		
20006 00021 00021 0076.141 — 2	K-0002		
04E0D 00022 00022 0076.150 10011.060 — 3	G0-323B T1-4462 J0-4954 K0-5C74 V1-4A29 KP0-DFBE		
04E0E 00023 00023 0077.010 10005.030 — 3	G0-536B T2-212F J0-4D3F K2-2123 V1-4A2A		
04E0F 00024 00024 0077.020 10011.050 — 3	G3-3021 T2-212D K2-2124 KP1-3402		
04E10 00025 00025 0077.030 10010.060 — 3	G0-5824 T1-4461 J0-5022 K2-2125 V1-4A2B KP1-3401		
04E11 00026 00026 0077.040 10012.070 — 3	G0-3373 T1-4460 J0-312F K0-7564 V1-4A2C KP0-EEC9		
20007 00027 00027 0077.050 10011.040 — 3	G_KX T6-2142		
20008 00028 00028 0077.060 10012.030 — 3	G_KX T6-2143		
20009 00029 00029 0077.061 — 3	T5-2133 KP1-3400		
04E13 00030 00030 0077.061 10010.050 — 3	G0-5728		
2000A 00031 00031 0077.061 10012.020 — 3	G_HZ		
2000B 00032 00032 0077.061 10012.050 — 3	G_HZ T3-2144 J3-2E22 KP1-3403		
2000C 00033 00033 0077.061 10012.060 — 3	G_HZ		

Ucode Super13.0 Super12.0 KangXi Hydz Radical Strok	Gcode Tcode Jcode Kcode Vcode Hcode Kpcode	96X96 NewForm / 96X96 Traditional Form	128X128 Before / 128X128 PreIS	Ucode Super13.0 Super12.0 KangXi Hydz Radical Strok	Gcode Tcode Jcode Kcode Vcode Hcode Kpcode	96X96 NewForm / 96X96 Traditional Form	128X128 Before / 128X128 PreIS
2A6CC 70192 70192 1538.321 74807.060 龠 8	G_HZ	龠	龠	2A6D4 70203 70203 1538.420 42832.180 龠 14	G_KX T7-6625	龠	龠
2A6CD 70193 70193 1538.321 74807.070 龠 8	G_HZ T7-622A	龠	龠	2A6D5 70204 70204 1538.430 74808.070 龠 17	G_KX T4-6E56	龠	龠
2A6CE 70194 70194 1538.330 74808.030 龠 9	G_KX T5-7A64 KP1-800C	龠	龠	2A6D6 70205 70205 1538.440 74808.080 龠 21	G_KX T7-664C	龠	龠
2A6CF 70195 70195 1538.340 74808.010 龠 9	G_KX T5-7A63	龠	龠				
09FA4 70196 70196 1538.350 74807.120 龠 9	GE-4932 T2-716F K2-7530 KP1-800D	龠					
09FA5 70197 70197 1538.360 74807.110 龠 9	G5-7A70 T3-6177 J1-6D63 K1-6A27 KP1-800E	龠					
2A6D0 70198 70198 1538.370 74808.040 龠 9	G_KX T7-634A	龠	龠				
2A6D1 70199 70199 1538.380 74808.020 龠 9	G_KX T7-6349	龠	龠				
2A6D2 70200 70200 1538.390 32168.210 龠 10	G_KX T5-7B3B KP1-800F	龠	龠				
04DB5 70201 70201 1538.400 74808.050 龠 10	G_KX T3-622C KP1-8010	龠					
2A6D3 70202 70202 1538.410 74808.060 龠 11	G_KX T4-6E47	龠	龠				