SuperCJK

Version 9.0

Ordered by
Kangxi Dictionary

1999.09.03.

Source:	Zhang Zhoucai , IRG Rapporteur,
Title:	**SuperCJK , Version 9.0**
	with Kangxi & HYD Data
Action:	Review with CJK Extension B (6th Working Draft)
Distribution:	IRG Editors

Rapporteur's Note for the Version 9.0

This version is the outcome of IRG Ad Hoc Meeting held in Beijing on 25-27 August, 1999 . This editors' meeting produced a set of review report on SuperCJK 8.0 and CJK Unified Ideographs Extension B WD 5.0. All the review reports have been scanned and stored on the CDR containing SuperCJK 9.0, CJK Extension B WD 6.0 and SuperCJK Seeker 9.0 , under the directory SuperCJK80_Review.

As the result, the SuperCJK **9.0** contains **70,302** Ideograph records while the CJK Extension B Working Draft **6.0** has **42,807** Ideographs. See below:

	G	T	J	K	V	H	Total
SuperCJK 9.0	57,714	54,246	13,119	17,394	9,299	1,103	**70,302**
CJK Extension B 6.0	30,615	29,970	302	168	4,236	1,088	**42,807**

Rapporteur's Note for the Version 8.0

According to the report of Ms. Wang Xiaoming, the IRG Technical Editor, a lots of changes have been made for SuperCJK 8.0 based on editors' review reports. All papers of the reports, even many of them are handwritings, have been scanned and recorded on the CDR containing the SuperCJK 8.0. Below summarizes the major changes of SuperCJK 8.0:

1. **1,878** Ideographs from China, HKSAR and Japan have been merged into the SuperCJK 8.0. The newly added Ideographs are also listed in the document IRG N670.
2. The radical attributes have been added to each Ideographs.
3. Some source code are added or changed:
    （1）   The Ideographs which exist in Kangxi Dictionary but are not included into CJK Unified Ideographs or it's Extension A have been marked as the source G_KX. There are 20454 such

Ideographs in SuperCJK 8.0.

（2）　　　The Ideographs which exist in Hanyu Da Zidian but not in CJK, CJK_A or Kangxi Dictionary, have been marked as the source G_HZ . There are 10881 such Hanzi in the SuperCJK 8.0.

（3）　　　The unique Hanzi from CiHai, Hanyu Da Cidian, Chinese Encyclopedia, Founder press System, CiYuan, Siku Quanshu are denoted as G_CH, G_HC, G_BK, G_FZ, G_CY and G_4K respectively.

（4）　　　The new JIS Kanji's source is marked as JPNxxx.

（5）　　　For T-column, 309 missing source codes are added.

（6）　　　For V-column, 1075 missing source codes are added.

4. About 1,300 errors with Kangxi Dictionary index have been fixed.

5. About 1,700 errors with stroke counting have been corrected.

6. 21 pairs of Ideographs have been unified.

7. 29 pairs of Ideographs have been dis-unified (separated) .

As the result, the SuperCJK **8.0** contains **70,180** Ideograph records while the CJK Extension B Working Draft **5.0** has **42,686** Ideographs. See below:

	G	T	J	K	V	H	Total
SuperCJK 8.0	57,773	54,120	12,999	17,395	9,299	1,054	**70,180**
CJK Extension B 5.0	30,674	29,841	184	169	4,236	1040	**42,686**

Rapporteur's Note for the Version 7.0

According to the editing report at IRG #13 held in Hong Kong, 17-21 May 1999, double checking was followed, the amendment to SuperCJK **6.0** is summarized as follows:

1. **56** Ideographs are added, of which
   (1) **43** Ideographs are from Hong Kong GCCS_1 (Re-Included after withdraw)
       HK Number: **A**-0023,1240,1241,1242,0124,1243,0213,1247,0297,1248,0305,0313, 1252,1253,1254,1255,1256,1257,1258,1259,1260,1261,1262,1263,1265,0209,0766, 1266,0779,0792,1267,1268,1270,0920,1274,0959,1276,1033,1277,1118,1278,1279, 1222
   (2) **9** Ideographs are from **CJK Compatibility Zone**
       U+FA0E,FA0F,FA11,FA13,FA14,FA21,FA24,FA27, and FA29
   (3) **4** Ideographs are due to separation.
       SuperCJK 6.0 s/n=18253, 17762, 17385 and 04176
2. **5** records are removed due to
   (1) re-unification : SuperCJK 6.0 s/n=00301, 31510 and 37312
   (2) font changes : SuperCJK 6.0 s/n=41936 and 41761
3. **67** glyph images are modified:
   SuperCJK6.0s/n=
   38422,17873,22792,23296,06368,07095,38153,01174,07712,07713,07714,07715,07809, 07814,73066,07052,60124,26776,28568,28637,29975,37081,38414,43093,10638,08667, 14350,08619,00516,00595,01340,01423,01524,01537,01600,01647,01652,01669,01685, 01746,01790,01816,01845,01918,01943,01971,01985,01997,02015,02029,02070,02074, 02075,02078,02099,02148,02228,02248,02326,02340,02373,02460,02536,34392,39138, 24881
4. **4** pairs of records are unified and 3 records are separated:
   (1) Unification : SuperCJK 6.0 s/n= 00301 → 00198, 31510 → 31518 ,
       37312 → 02868, 56955 → U+FA28
   (2) Separation: SuperCJK 6.0 s/n=18253, 17762 and 17385
5. **11**T-glyphs (missing in SuperCJK 6.0) are added by simply "borrowing" G-glyph with white foreground and black background. SuperCJK 6.0 s/n=40572, 16999, 10723, 11413, 14350, 21217, 22567, 48434,   02640, 04176, 03317.
6. The following source errors are corrected: V0-417A,T2-5E4E,TF-5721, T5-7535→T7-567A, T5-5057→T5-5037, JA-265F,T5-3037, HA-0970,T6-3568,T6-3569
7. Reversed V glyphs (bottom-up) are checked.
   SuperCJK 6.0 s/n=07809,07814,13066,07052,07712,07713,07714 and 07715.

   In addition to the above amendment, the most important improvement to the SuperCJK is that each record has had a **stroke count** besides the radical , and hundreds **KXI errors** have been corrected.
   The printings of the SuperCJK 7.0 take two images, modern style and traditional style, and list the stroke count as well as the s/n in the previous version of SuperCJK (here it is SuperCJK 6.0) for editors'

convenience. The data items in one unit are arranged as follows.

Ucode (0-xxxx or 2-xxxx)	Gcode	Modern Style Glyph	Traditional Style Glyph
SuperCJK Current s/n	Tcode		
SuperCJK Previous s/n	Jcode		
Position in Kangxi	Kcode		
Position in HYD	Vcode		
	Hcode		**Stroke Count**

As the result, the SuperCJK **7.0** contains **68,294** Ideograph records while the CJK Extension B Working Draft **4.0** has **40,800** Ideographs.

Ms.Wang Xiaoming of CCID, IRG Technical Editor, and her assistant Miss Fu Leina made this version and stored it in DynaDoc format.

Rapporteur's Note for the Version 6.0

According to the editing report by Mr.Chen Zhuang dated on 15, April 1999, the SuperCJK **5.0** is updated as follows:

1. Added some missing source code in T-column;
2. Added some missing source code in V-column;
3. Corrected some errors with source code in T-column;
4. Made a few unification/separation;
5. Amended a few glyph errors;
6. Amended a few errors with KXI data.

For detailed information, please refer the following:

MODIFICATION REPORT FROM SUPER5.0 TO 6.0 IN DETAILS

46471   *second glyph wrong, see 0-8616 improve it*
18644   *second glyph duplicate with 06300, should be deleted*
18644   *TF-4F24 missing, should be added*
19274   *second glyph duplicate with 19288, should be deleted*
19290   *second glyph wrong, see 0-3A8B and improve it*
20022   *second glyph duplicate with 20096, should be deleted*
32900   *second glyph duplicate with 32916, should be deleted   ---------- NOT UNIFY*
66960   *secnod glyph duplicate with 66956, should be deleted ---------- NOT UNIFY*
36003   *source error, T6-3358 should be move to 36703 and add T6-3355*
21081   *duplicate with 21089, should be deleted*
02139   *unified to 02152, see 0-5153 and should be deleted*
02536   *HYD error, 10306.130 -> 10306.100*
02537   *unifid to 02536, see KXI glyph and should be deleted*

24889   *font should be improved, see 0-6C69 and 24888 of SuperCJK 5.0*

15057   *unified to 15050, shoud join in 15050 and delete 15057*

23765   *duplicate with 23013, should take place of 23013 (account its strokes number)*

12056   *unified to 12057, see 0-5CC0 of Amd.13 and should be deleted*

00237   *source error, TF-216D -> T4-2226*

00263   *source error, T6-2930 -> T6-293D*

00453   *not unified, T6-2129 separate and add T6-2127*

02111   *unified to 02115, shou be deleted*

02642   *source missing, add T6-3546*

02794   *source missing, add T5-3129*

03030   *not unified, T6-296B should be moved to 03042---------- T6-2968*

03042   *source missing,   add T6-296B   ---------- T6-2968*

03319   *source missing, add T6-5069*

17002   *source missing, add T5-3F46*

04178   *source error, T6-3569 ->T6-3568*

05151   *unified to 04922, should be deleted*

05792   *not unified and   source error, to be seprated and T6-4736 -> T6-4737*

06080   *source missing, add T6-512B*

07054   *V0-337C missing, should be added*

07714   *V0-3440 missing, should be added*

07715   *V0-3441 missing, should be added*

07716   *V0-3442 missing, should be added*

07717   *V0-3443 missing, should be added*

07807   *unified to 07805, should be deleted*

07812   *V0-3444 missing, should be added*

07817   *V0-3449 missing, should be added*

09079   *not unified, T5-3743 should be moved to 09085*

09098   *not unified, should be separated*

09142   *not unified, should be separated*

09575   *not unified and HYD error, 21052.030 -> 21054.030 and T6-3653 should be moved to 09608*

09608   *HYD error, 20152.040 -> 21054.040 and add T6-3653*

10340   *font error, change font(T7-3749)*

10632   *not unified, should be separated*

10638   *font error, modify G0-6582 font (move a little bit up?)*

10642   *unified to 10646, should be deleted*

10724   *source missing, add T4-225B*

11414   *source missing, add T6-3035*

11270   *font error, modify 1st column font (see HYD 10564.020)*

11501   *not unified, move T4-6867 to 11502*

11719   *font error, change 1st colum font (see HYD and KXI)*

11720   *font error, change 1st column font (see HYD and KXI)-------   IT'S NEW FONT*

12056   *unifid to 12057, should be deleted*

13068   *V0-3D45 missing, should be added*

14065   *source missing,add T7-2263*

14273   *font error, change 1st column font (see HYD 10518.120) --------IT'S NEW FONT*

14352   *source missing, add T6-217C*

14763   *source missing, add T7-4D62*

17995   *unified to 18075, should be deleted*

18075   *KXI error, 0445.341 -> 0442.120*

18606   *T font dupliated with 18602, delete T font*

19655   *font error, change 1st column font (see HYD and KXI) --------IT'S NEW FONT*

20281   *not unified, T6-404D move to 20275*

20441   *font error, change 1st column font (see HYD and KXI) --------IT'S NEW FONT*

21011   *unified to 21010, should be deleted   --------NOT UNIFY*

21179   *unified to 21218, should be deleted*

03319	*T source missing, to be added*
22574	*T source missing, to be added*
21223	*source missing, add TF-2742*
21468	*source and font missing, add T6-3848*
21469	*source missing, add T6-3845*
21486	*source error, move T63845 to 21469, add T6-405E*
21484	*unified to 21534, should be deleted*
21534	*add T source and T font (T6-3849)*
22696	*font error, change 1st column font (Ref. BMP_6A69)*
23666	*not unified, should be separated*
24283	*unified to 24282, should be deleted*
26942	*source missing, add T4-5B58*
27248	*source missing, add T7-5830*
29067	*source error, T7-2263 ->TF-2263*
29347	*not unified, move T7-2F6E to 29389*
30306	*unified to 30340, should be deleted*
31000	*source missing, add T7-4061*
31148	*unified to 21147, delete 31148 and move T4-4B24 to 31147 (Ref. Ext-A 3F14)*
31418	*not unified, separate T5-6D67 and add T7-5C6B*
31743	*source error, move T4-5146 to 31820 and add T4-316A*
31831	*unified to 31796, should be deleted --------T4-4B2C IN 31796 UNIFY TO 31813*
33567	*source error, delete T6-424B*
33595	*add T6-424B*
36293	*source error, T7-4A60 -> TF-4A60*
37270	*unified to 37278, delete and move T7-4845 to 37278*
37410	*unified to 37448, should be deleted*
37506	*source error, move T4-3973 to 37495*
39658	*not unified, separate T6-303B and add T5-4163*
40581	*source error, separate TF-5722 and add TF-5721*
40585	*source error, separate TF-5A58 and add T2-5E4E*
40602	*source missing, add T4-606C*
43895	*source missing, add TF-226E*
45499	*source error, T5-3037 -> T5-5057*
45840	*not unified, move T7-3A7E to 45941*
46644	*source missing, add T7-5C4D*
46649	*unified to 46656, delete and move T7-5C4E to 46656*
48033	*T4-6441 font error, should be improved--------UCODE=0-4600 MOVED TO 48093*
	T4-6441 UNIFIED TO 48093
48184	*source missing, add T7-546D*
48420	*source missing, add T5-3037 --------T2-6C63 SEE UCODE=886C*
48690	*source missing, add T5-3C33*
48697	*unified to 48757, should be deleted --------UNIFIED TO 48758*
49250	*source error, T7-546D->T7-547D*
50099	*source error, move T6-4E73 to 50104*
50129	*not unified, move T6-4E6C to 50100 and add T5-3C3D*
50864	*source missing, add T7-5535*
53406	*source and font missing, add T7-4A60*
53426	*source missing, add T5-6D7D*
55575	*not unified, move T7-344E to 55609 and add T5-3D22*
55702	*unified to 55679, should be deleted--------T5-4A62 IN 55679 UNIFIED TO 55702*
57704	*not unified, should be separated*
57855	*not unified, move T5-7A41 to 57865*
58357	*source missing, add T4-3B69*
58525	*not unified, move T7-3476 to 58536*
59079	*unified to 59102, should be deleted*

59175   not unified, T5-4A77 move to 59207 and add T5-522F
60630   unified to 60634, should be deleted
59103   KXI error, 1357.151 -> 1357.030
61582   unified to 61558, should be deleted--------UCODE=0-4AF5 MOVED TO 61582
                                                        T4-6C39 IN 61558 UNIFIED TO 61582

62320   not unified, move T4-5E55 to 62357
62496   soruce error, T5-766E separated and add T7-5A34
65020   unified to 65060, should be deleted? (different KXI number)
65719   KXI error, 1487.151 -> 1490.110
65836   unified to 65719, should be deleted
66142   source error, separate T7-567A and add T5-7535
66801   not unified, move T4-5A5C to 66790
66880   source error, T7-5E3D -> T7-5E3B
49798   H source duplicated with 49804, 49804 should be deleted
20678   K source dupliicated with 26621, recheck-------20678:K-0106
66880   T source duplicated with 67140, recheck--------66880:T7-5E3B
20994   V source duplicated with 43009, recheck-------REAPEATED IN CJK AND CJK-A
45858   V source duplicated with 45859, recheck-------45859:V2-825C

The question From Ngo Trung Viet	The answer from Wang Xiaoming		
		Super5.0	UCS
1 T Missing from SuperCJK4.0 00243 : T4-2226	Unify to 00237 :		: TF-216D
2 T Missing from SuperCJK4.0 00267 : T6-293D	Unify to 00263 :		: T6-293D
3 T Missing from SuperCJK4.0 00459 : T6-2127	Unify to 00453 :		: T6-2129
4 T Missing from SuperCJK4.0 02597 : TF-293B	Unify to 21346 :	0-6806 :	T3-652B
5 T Missing from SuperCJK4.0 02627 : T6-3546	MOVED TO 51671 :		:
6 T Missing from SuperCJK4.0 03413 : T7-3373	Unify to 03424 :		: T5-535E
7 T Missing from SuperCJK4.0 04170 : T6-3568	Unify to 04178 :		: T6-3569
8 T Missing from SuperCJK4.0 04257 : TF-2133	Unify to 04261 :		: T5-213F
9 T Missing from SuperCJK4.0 04691 : T5-3131	Unify to 04692 :		: T6-3D67
10 T Missing from SuperCJK4.0 06082 : T6-512B	Add to 06080 :		:
11 T Missing from SuperCJK4.0 07119 : T7-527C	Unify to 07101 :		: T7-5758
12 T Missing from SuperCJK4.0 08604 : T7-463E	Unify to 08585 :		: T7-3F35
13 T Missing from SuperCJK4.0 09606 : TF-2E72	Unify to 09642 :	0-5A3D :	T3-3531
14 T Missing from SuperCJK4.0 09996 : TF-4124	Unify to 10002 :	0-5AD3 :	T3-6469
15 T Missing from SuperCJK4.0 10389 : T7-4D50	Unify to 60323 :		: T7-513A
16 T Missing from SuperCJK4.0 10397 : TF-6940	Unify to 10399 :	0-5B45 :	T2-686F
17 T Missing from SuperCJK4.0 10647 : T4-225B	Unify to 10684 :	0-5B90 :	T4-2625
18 T Missing from SuperCJK4.0 11203 : T6-5C2F	Unify to 08701 :	0-5900 :	T3-6466
19 T Missing from SuperCJK4.0 11241 : T6-244B	Unify to 11254 :	0-5F53 :	T3-2351
20 T Missing from SuperCJK4.0 11400 : T6-3035	Unify to 11409 :		: T5-2569
21 T Missing from SuperCJK4.0 13607 : TF-2160	Unify to 13611 :		: T4-2178
22 T Missing from SuperCJK4.0 14016 : TF-4766	Unify to 14020 :	0-5ECD :	T3-6474
23 T Missing from SuperCJK4.0 14241 : T6-3074	Unify to 43298 :	0-8201 :	T2-3234
24 T Missing from SuperCJK4.0 14450 : TF-2A5D	Unify to 14412 :	0-5F22 :	T2-2652
25 T Missing from SuperCJK4.0 14673 : T5-7340	Unify to 40284 :		: T7-585D
26 T Missing from SuperCJK4.0 14767 : T7-4D62	Add to 14763 :		:
27 T Missing from SuperCJK4.0 18626 : TF-4F2C	Unify to 18710 :	0-64D1 :	T3-5076
28 T Missing from SuperCJK4.0 18642 : TF-4F24	Unify to 18644 :		: TF-4F24
29 T Missing from SuperCJK4.0 19582 : TF-624A	Unify to 08780 :	0-5911 :	T3-6560
30 T Missing from SuperCJK4.0 20455 : TF-417C	Unify to 36244 :	0-7A25 :	T3-6524
31 T Missing from SuperCJK4.0 20881 : T6-287B	Unify to 20897 :		: T5-2444
32 T Missing from SuperCJK4.0 20941 : T5-417B	Unify to 20952 :		: T5-3F67
33 T Missing from SuperCJK4.0 20956 : T4-4C56	Unify to 20966 :		: T4-4A34
34 T Missing from SuperCJK4.0 20969 : T5-5731	Unify to 20979 :		: T5-546C

#		Source	Action	Target	Code1	Code2
36	T Missing from SuperCJK4.0	21458 : T6-405E	Unify to	21486 :		: T6-3845
37	T Missing from SuperCJK4.0	22698 : T7-2E6A	Unify to	22713 :		: T4-4444
35	T Missing from SuperCJK4.0	20071 : T4-582D	Unify to	20081 :		: T5-5B64
38	T Missing from SuperCJK4.0	24152 : TF-3574	Unify to	24170 :	0-6BBB	: T3-3665
39	T Missing from SuperCJK4.0	24284 : TF-487B	Unify to	24299 :		: T4-4A53
40	T Missing from SuperCJK4.0	26108 : TF-4274	Unify to	26200 :		: T4-4448
41	T Missing from SuperCJK4.0	26535 : T7-2458	Unify to	26517 :		: T7-245B
42	T Missing from SuperCJK4.0	26716 : T7-2F42	Unify to	26711 :	0-6FC6	: T2-5146
43	T Missing from SuperCJK4.0	26852 : TF-5A6F	Unify to	26657 :	0-3D5F	: T5-5536
44	T Missing from SuperCJK4.0	26910 : T4-5B58	Add to	26942 :		:
45	T Missing from SuperCJK4.0	27144 : T7-5358	Unify to	27177 :	0-704A	: T2-6B63
46	T Missing from SuperCJK4.0	27214 : T7-5830	Add to	27248 :		:
47	T Missing from SuperCJK4.0	27380 : T6-2C5D	Unify to	27354 :	0-7077	: T3-265F
48	T Missing from SuperCJK4.0	27670 : TF-364F	Unify to	27706 :	0-7111	: T3-6550
49	T Missing from SuperCJK4.0	27762 : T4-3868	Unify to	02351 :		: T6-465B
50	T Missing from SuperCJK4.0	28176 : TF-503D	Unify to	28140 :	0-719C	: T2-5178
51	T Missing from SuperCJK4.0	28453 : TF-5F45	Unify to	57220 :	0-93A3	: T2-6437
52	T Missing from SuperCJK4.0	31676 : T4-3E6A	Unify to	31743 :		: T4-5146
53	T Missing from SuperCJK4.0	31697 : T4-3E6C	Unify to	13639 :		: T6-523F
54	T Missing from SuperCJK4.0	32878 : TF-4A2F	Unify to	32929 :		: T4-5728
55	T Missing from SuperCJK4.0	33404 : T6-333D	Unify to	33371 :		: T4-2750
56	T Missing from SuperCJK4.0	35304 : TF-6559	Unify to	35324 :	0-7922	: T3-6576
57	T Missing from SuperCJK4.0	35961 : T6-3355	Unify to	36003 :		: T6-3358
58	T Missing from SuperCJK4.0	36253 : T4-455F	Unify to	22200 :	0-6996	: T2-4A68
59	T Missing from SuperCJK4.0	36394 : T7-3061	Unify to	36380 :	0-7A3D	: T1-6E28
60	T Missing from SuperCJK4.0	39635 : T5-4163	Unify to	39658 :		: T6-603B
61	T Missing from SuperCJK4.0	40074 : T7-4153	Unify to	39861 :		: T7-3142
62	T Missing from SuperCJK4.0	40075 : T7-4159	Unify to	40087 :	0-7E64	: T3-662C
63	T Missing from SuperCJK4.0	40556 : TF-5721	Unify to	40581 :		: TF-5722
64	T Missing from SuperCJK4.0	40578 : T4-606C	Add to	40602 :		:
65	T Missing from SuperCJK4.0	42165 : TF-2D2C	Unify to	20915 :	0-6711	: T3-6632
66	T Missing from SuperCJK4.0	42610 : TF-4468	Unify to	09924 :	0-5AB5	: T2-4240
67	T Missing from SuperCJK4.0	42721 : TF-4B56	Unify to	42723 :		: T4-4648
68	T Missing from SuperCJK4.0	42903 : TF-5730	Unify to	20986 :	0-6725	: T3-6633
69	T Missing from SuperCJK4.0	43653 : T6-6125	Unify to	43587 :	0-446B	: T4-3A4E
70	T Missing from SuperCJK4.0	43905 : TF-226E	Add to	43895 :		:
71	T Missing from SuperCJK4.0	44035 : TF-285C	Unify to	03530 :	0-52B3	: T3-2463
72	T Missing from SuperCJK4.0	45267 : T6-614F	Unify to	44905 :		: T6-5751
73	T Missing from SuperCJK4.0	46176 : TF-605D	Unify to	45878 :	0-455D	: T7-3B32
74	T Missing from SuperCJK4.0	46298 : TF-6353	Unify to	46198 :	0-85D4	: T3-663E
75	T Missing from SuperCJK4.0	46627 : T7-5C4D	Add to	46644 :		:
76	T Missing from SuperCJK4.0	46732 : T6-3447	Unify to	46749 :	0-8650	: T1-534B
77	T Missing from SuperCJK4.0	46859 : T7-3B38	Unify to	46872 :	0-8667	: T1-7536
78	T Missing from SuperCJK4.0	47400 : T6-616F	Unify to	47417 :	0-8744	: TF-4C33
79	T Missing from SuperCJK4.0	48024 : T7-496B	Unify to	48033 :	0-4600	: T4-6441
80	T Missing from SuperCJK4.0	48676 : T5-3C33	Add to	48690 :		:
81	T Missing from SuperCJK4.0	48774 : TF-453D	Unify to	48809 :	0-4635	: T5-496C
82	T Missing from SuperCJK4.0	49070 : T7-3B61	Unify to	48839 :	0-88FA	: T2-4E22
83	T Missing from SuperCJK4.0	49391 : TF-384A	Unify to	02437 :	0-34BB	: T4-304C
84	T Missing from SuperCJK4.0	50117 : T5-3C3D	Unify to	50129 :		: T6-4E6C
85	T Missing from SuperCJK4.0	50846 : T7-5535	Add to	50864 :		:
86	T Missing from SuperCJK4.0	51277 : T7-5C6B	Unify to	31418 :		: T5-6D67
87	T Missing from SuperCJK4.0	53416 : T5-6D7D	Add to	53426 :		:
88	T Missing from SuperCJK4.0	53803 : T6-345D	Unify to	03789 :		: T6-2F2A
89	T Missing from SuperCJK4.0	54243 : T7-5054	Unify to	54253 :		: T7-4A72

91 T Missing from SuperCJK4.0 55100 : T4-5437   Unify to   55111 :   : TF-583F
92 T Missing from SuperCJK4.0 55564 : T5-3D22   Unify to   55575 :   : T7-344E
90 T Missing from SuperCJK4.0 34485 : T6-3556   Unify to   04283 :   : T6-237D
93 T Missing from SuperCJK4.0 58301 : T4-3B69   Add to   58357 :   :
94 T Missing from SuperCJK4.0 59117 : T5-522F   Unify to   59175 :   : T5-4A77
95 T Missing from SuperCJK4.0 59831 : T5-5F5B   Unify to   59892 :   : T5-6568
96 T Missing from SuperCJK4.0 59925 : T5-5F5E   Unify to   59985 :   : T7-4B50
97 T Missing from SuperCJK4.0 60118 : T6-3479   Unify to   31472 :   : T6-3271
98 T Missing from SuperCJK4.0 61503 : T5-756C   Unify to   61560 :   : T4-6B2E
99 T Missing from SuperCJK4.0 61639 : T6-643A   Unify to   61696 :   : T4-4855
100T Missing from SuperCJK4.0 62444: T7-5A34   Unify to   62496:   : T5-766E
101T Missing from SuperCJK4.0 66089: T5-7535   Unify to   66142:   : T7-567A
102T Missing from SuperCJK4.0 66824: T7-5E3B   Unify to   66880:   : T7-5E3B
103T Missing from SuperCJK4.0 67048: T5-455D   Unify to   67103:   : T5-4B70
1 V Missing from SuperCJK4.0 02945 : V3-302B   Unify to   02957 : 0-521F : V0-3049
2 V Missing from SuperCJK4.0 03992 : V3-3034   Unify to   04003 : 0-533C : V1-4D60
3 V Missing from SuperCJK4.0 05123 : V3-3041   Unify to   05126 : 0-549A : V1-4E7D
4 V Missing from SuperCJK4.0 05562 : V2-705B   Unify to   05562 : 0-553F : V0-315A
5 V Missing from SuperCJK4.0 05652 : V2-7063   Unify to   05653 : 0-556B : V0-323D
6 V Missing from SuperCJK4.0 06178 : V2-7126   Unify to   05800 : 0-558D : V1-4F59
7 V Missing from SuperCJK4.0 06531 : V2-716B   Unify to   06525 : 0-5659 : V1-4F7B
8 V Missing from SuperCJK4.0 06547 : V3-3057   Unify to   06463 : 0-564B : V0-3343
9 V Missing from SuperCJK4.0 09360 : V2-6F61   Unify to   09340 : 0-59C5 : V0-3F53
10 V Missing from SuperCJK4.0 17719 : V3-316D   Unify to   17723 : 0-6364 : V0-3762
11 V Missing from SuperCJK4.0 18437 : V2-7756   Unify to   18415 : 0-647C : V0-384A
12 V Missing from SuperCJK4.0 18638 : V3-3236   Unify to   18640 : 0-64B4 : V0-3858
13 V Missing from SuperCJK4.0 18979 : V0-392C   Unify to   18984 : 0-6514 : V1-5770
14 V Missing from SuperCJK4.0 20933 : V0-3966   Unify to   42424 : 0-43FE : V0-415E
15 V Missing from SuperCJK4.0 21599 : V3-3268   Unify to   21613 : 0-689B : V0-3978
16 V Missing from SuperCJK4.0 21703 : V3-3324   Unify to   21634 : 0-68AC : V0-3A28
17 V Missing from SuperCJK4.0 22048 : V3-3273   Unify to   22060 : 0-696E : V0-3A3B
18 V Missing from SuperCJK4.0 22772 : V3-332A   Unify to   22788 : 0-6A7A : V0-3A57
19 V Missing from SuperCJK4.0 26378 : V2-7A62   Unify to   26188 :   : V0-3B63
20 V Missing from SuperCJK4.0 27068 : V2-7B33   Unify to   26472 : 0-6F6E : V1-5D4D
21 V Missing from SuperCJK4.0 28772 : V2-7C27   Unify to   28769 :   : V3-3455
22 V Missing from SuperCJK4.0 33496 : V3-3473   Unify to   33437 : 0-7708 : V0-3E4C
23 V Missing from SuperCJK4.0 37957 : V3-364F   Unify to   37956 : 0-7BE5 : V1-622D
24 V Missing from SuperCJK4.0 39808 : V3-3667   Unify to   39712 : 0-7DD8 : V1-6275
25 V Missing from SuperCJK4.0 45603 : V2-8255   Unify to   20561 : 0-66AE : V1-586A
26 V Missing from SuperCJK4.0 46338 : V3-3752   Unify to   46350 : 0-85F6 : V1-6566
27 V Missing from SuperCJK4.0 56987 : V3-3549   Unify to   57009 : 0-9344 : V0-463C
28 V Missing from SuperCJK4.0 57208 : V3-354D   Unify to   57238 : 0-93B0 : V1-6A5E
29 V Missfromg in SuperCJK4.0 66278 : V3-363D   Unify to   66331 : 0-9DEE : V1-6C7D
1 K Missing from SuperCJK4.0 03688 : K-0016   Unify to   61030 : 0-4AAA : K3-3524
2 K Missing from SuperCJK4.0 05319 : K-0027   Unify to   02334 : 0-517A : K2-2426
3 K Missing from SuperCJK4.0 05490 : K-0028   Unify to   08819 : 0-591E : K2-2B4E
4 K Missing from SuperCJK4.0 06150 : K-0037   Unify to   19924 : 0-65D5 : K2-3840
5 K Missing from SuperCJK4.0 27254 : K-0104   Unify to   66405 : 0-9E02 : K2-7357
6 K Missing from SuperCJK4.0 34575 : K-0133   Unify to   29142 : 0-3E34 : K3-2A5C
7 K Missing from SuperCJK4.0 47853 : K-0208   Unify to   14103 :   :
8 K Missing from SuperCJK4.0 56776 : K-0233   Unify to   56793 : 0-92DD : K2-6924

Hongkong
H Repeating in SuperCJK5.0:A-0970 49798 <-> 49804   49804: delete HCODE=A-0970

The   printing format remains unchanged as the Version 5.0 since IRG has not made new resolution on this.

As the result, SuperCJK **6.0** contains **68,243** Ideographs while CJK Extension B Working Draft **3.0** has **40,759** Ideographs.

Ms.Wang Xiaoming of CCID, IRG editor, made this version and stored it in DynaDoc format.

Rapporteur's Note for the Version 5.0

Please read the note for SuperCJK 4.1. This document is so heavy that I have to send to you on CDR in DynaDoc form (*.WDL). Please use DynaDoc Reader to browse it in 1024x768 resolution. It contains 1750 pages excluding the cover sheet and this note.

The format of SuperCJK conforms the IRG resolution IRM M12.1, specified in IRG N615R:

IRG N615:
The following format is to be used for the extension B (for both review and final printing). The main objectives of the format is to preserve the information and to minimize the

resources needed.

		Glyph 0	*Glyph 1*	*Glyph 2*
UCS code	Gn – XXXX Y			
SCJK V.n	Tn –XXXX Y			
KXI	Jn –XXXX Y	骨	骨	骨
HYD	Kn –XXXX Y			
DKW	Vn –XXXX Y			
DJW	Hn –XXXX Y			
others				

1. *The first column contains UCS code, SCJK s/n as well as the dictionary source information. The SCJK V.n is only included in the working documents for review. This SCJK number will be removed from the final publications.*

2. *Glyph 0 –The shapes used in traditional writing and is close to those in Kang Xi Dictionary*
   Glyph 1 – The shapes used in New Stroke style   if any
   Glyph 2 – A variant different from Glyph 0 and Glyph 1 if any.
   Glyph(s) different from Glyph 0, 1 or 2, will be included in the annex.
   If a country/region finds the Glyphs 0 and 1 are different from the desired one, it can request to define a variant in Glyph 2. If there are more than one country wanting to specify a variant in this column, a round robin approach will be used to assign this column to the countries/regions. Those variants that cannot be specified using glyph 2 will be specified in the annex. The rationale of this single overflow column is that there should be very few cases that a variant different from traditional and simplified shapes will be needed.

3. *The second column contains the source IDs of national/regional standards. This column is informative.*

    [G|T|J|K|V|H] n – XXXX Y

   G – China   *K - Korean*
   T – TCA   *V - Vietnam*
   J - Japan   *H - Hong Kong*

   Additional lines can be added for other countries/regions such as USA.

   n : Set number of the source character set
   XXXX : the source code in hexadecimal

Y – the glyph flag used for that country/region. Each source ID can have optional one glyph flag.

> *(SP) : no preference*
> *0   : When national/region preference is Glyph0.*
> *1   : When national/region preference is Glyph1.*
> *2   : When national/region preference is Glyph2.*
> *3   : When national/region preference is neither Glyph0, 1 nor 2 see annex for further details.*

4. *The production of the working documents will be done by the editors. TCA will use the currently available fonts to fill the glyph column 0 which is based on traditional writing and is close enough to Kang Xi Dictionary. China will contribute to glyph column 1, the simplified style being used in Super CJK 4.0. For the data which Kang Xi Dictionary data is not available, Japan is encouraged to provide DKW data and Korea is expected to provide DJW data accordingly. Other countries/regions will contribute to the rest. It is desired but not required to fill every entry for each column, but there should be at least one in each row.*

The following records the major changes between this version and SuperCJK 4.1 :

SCJK4.1

01785	T Glyph to be Unified to 01813
02180	
06079	T Glyph to be Unified to 06128
08420	
08533	
10258	
10627	
10628	T Glyph to be Unified to 10629
11066	
11408	T Glyph to be Unified to 11404
11536	T Glyph to be Unified to 11535
11814	
12740	
13528	
14058	
14663	T font to be recheck
14969	
15926	
16683	T Glyph to be Unified to 16664
16846	
21217	

21387

21460

22865

23029

23034

23358

23671

24658

26927

27103

28581

29093

30110

30114

32944   T Glyph to be Unified to 32935

40148

40625   T Glyph to be Unified to 40621

41035   T Glyph to be Unified to 41025

41281   T Glyph to be Unified to 41394

41897   T Glyph to be Unified to 41906

43875

45214   Unify to 45296

45921   T Glyph to be Unified to 45966

46177

46623

48160

48420   T Glyph to be Unified to 45480

48667   T5-3C22 Separate T move, Kxi=1083.151

53383   T7-4A60 -> KXI=0856.321)

53403   T6-4F6D ->KXI=0234.271)

58333   T6-4F7C -> KXI=1333.091)

HA-0964   should   NOT be Unified to 49059.

HA-0392 should not be unified to 02448.   KXI should be 0498.311

Rapporteur's Note for the Version 4.1

To reduce the possible errors in SuperCJK 5.0, IRG Editor Wang Xiaoming made an interim version 4.1 on January 4, 1999, which was stored on CDR in DynaDoc form (*.WDL) and sent to IRG Editors in Hongkong and TCA for review.

To read the *.WDL document, the DynaDoc Reader must be used with 1024 x 768 resolution.

The followings are the major changes compared with SuperCJK 4.0:

1. The wrong glyphs indicated in IRG N606 (12 Dec, 1998, at IRG #12) have been corrected.

2. Wang Xiaoming found out 33 more pairs of UNIFIABLE Ideographs after IRG #12. Discussing with Editors, she unified 28 pairs of them and kept 5 pairs unchanged based on the feedback, especially the comments from Dr. Lu Chin and Ms. Emily Hsu.

3. According to IRG N618 as well as the FAX from Emily Hsu dated on 21 Dec., 1998, it was confirmed that there are 544 pairs to be unified and 55 pairs not to be unified in total.

4. Checking the re-added 588 Hanzi from Hongkong on IRG N611, Editors Wang Xiaoming and Dr. Lu Chin came up with 31 pairs of Hanzi to be unified .

5. The Ideographs 00055 and 00056 have been moved to the position after 00241, 00086 and 00087 moved to after 00260, according to the FAX from Mr. Ngo Trung Viet dated on 28 Dec. 1998.

6. Some glyphs and KXI data have been modified according to IRG N615R. A few missing or not-unifiable Hanzi in Kangxi dictionary have been added to the repertoire.

7. The printing format conforms the one specified in IRG N615R. Currently, the 0-column is set as G style while 1-column is set as T style.

Rapporteur's Note for the Version 4.0

The major differences between Version 4.0 and Version 3.0 of SuperCJK are summarized as follows:

1. 115 couples of Ideographs have been unified. Below shows their s/n in Version 3.0 .

00452	Unified to 00271	29960	Unified to 29976
00485	Unified to 00081	30346	Unified to 30373
02737	Unified to 02747	31127	Unified to 31129
02752	Unified to 04530	31911	Unified to 31913
02767	Unified to 13690	32382	Unified to 32375
02883	Unified to 02884	32475	Unified to 32603
04162	Unified to 04161	33050	Unified to 33045
04289	Unified to 04269	33480	Unified to 33481
04408	Unified to 04411	35892	Unified to 35900
04506	Unified to 02730	37931	Unified to 37907
04520	Unified to 13007	38029	Unified to 37843
08650	Unified to 08657	38301	Unified to 38161
08709	Unified to 08707	38337	Unified to 38231
08801	Unified to 08803	38338	Unified to 38242
08805	Unified to 08810	38834	Unified to 38849
08901	Unified to 08889	38883	Unified to 38810
09533	Unified to 09536	39598	Unified to 39710
09880	Unified to 09775	39885	Unified to 39784
10122	Unified to 09954	39969	Unified to 39801
10518	Unified to 10522	40241	Unified to 40253
10141	Unified to 10116	41607	Unified to 41613
13622	Unified to 13625	41746	Unified to 41700
14224	Unified to 09111	41747	Unified to 41699
15049	Unified to 15014	42334	Unified to 42377
15208	Unified to 15269	42846	Unified to 42847
15275	Unified to 15312	48559	Unified to 15112
16211	Unified to 16005	51496	Unified to 51498
16101	Unified to 16191	53376	Unified to 53440
16516	Unified to 16508	53651	Unified to 53594
16511	Unified to 16507	56452	Unified to 56455
16579	Unified to 16612	56455	Unified to 56452
16762	Unified to 02048	57101	Unified to 57238
17058	Unified to 17054	57853	Unified to 57931
17239	Unified to 17194	58733	Unified to 58745
18151	Unified to 18586	59928	Unified to 60018
18345	Unified to 18387	61257	Unified to 61258
18524	Unified to 18428	61392	Unified to 61264
18682	Unified to 18513	65029	Unified to 64986
18705	Unified to 18671	65035	Unified to 65017
18802	Unified to 18195	65311	Unified to 65302
19089	Unified to 19060	65339	Unified to 65206
19598	Unified to 19603	65364	Unified to 65348
20032	Unified to 20064	65668	Unified to 65657
20072	Unified to 20048	65758	Unified to 65662
20279	Unified to 20260	65861	Unified to 65849
20509	Unified to 20416	65931	Unified to 65938
20960	Unified to 42342	65948	Unified to 65875
20985	Unified to 42596	66316	Unified to 66194
21175	Unified to 21174	66435	Unified to 66384
21186	Unified to 21685	67414	Unified to 15129
22429	Unified to 22296	67590	Unified to 67583
22411	Unified to 22391	67592	Unified to 67612
24635	Unified to 24603	67934	Unified to 00633
26312	Unified to 26392	68086	Unified to 68095
26589	Unified to 26518	68265	Unified to 68285
27652	Unified to 27573		
28038	Unified to 28015		
28222	Unified to 28247		
28347	Unified to 08468		
29726	Unified to 29736		

2. Two Vietnamese ChuNam missing in 3.0 are added: V2-712A (SuperCJK 4.0 s/n=06083); T4-4977 (SuperCJK 4.0 s/n=18601).

3. Several source code from Vietnam are added.

Super30	ERROR	RIGHT	Super30	ERROR	RIGHT	Super30	ERROR	RIGHT
00640	釁	釁	05497	喊	喊	06911	嗋	嗋
15889	憨	憨	18518	搨	搨	21968	棕	棕
23175	欓	欓	26477	潤	潤	28470	燉	燉
38471	簽	簽	45917	蓉	蓉	49658	覭	覭
52119	贅	贅	55197	遜	遜	59270	隝	隝
62281	餐	餐						

4. 14 font images have been corrected:

As the result, the current version contains **68,210** Ideographs, of which there are **40,726** Ideographs as candidates of CJK Unified Ideographs Extension B in the first Working Draft. In addition to the Ideographs from Kangxi Dictionary and HanYu Da Zidian, the SuperCJK includes

295 Hanzi from Hong Kong,
181 Hanja from Korea,
8850 Hanzi from TCA,
4250 ChuNam from Vietnam.

In this version, both the existing UCS code, and the proposed UCS code for CJK Unified Ideographs Extension B have been denoted, with prefix 0- or 2- indicating Plane 0 or Plane 2 in UCS.

This version is edited and printed by Ms.Wang Xiaoming (CCID), based on the review reports from Mr.Satoshi Yamamoto(Japan) , Ms. Emily Yu Chi Hsu (TCA), Ms.C.C. Hsu (IBM Taiwan), Mr. Ngo Trung Viet (Vietnam) and Mr.Rex M.K.Tong (HKSAR).

Rapporteur's Note for the Version 3.0

The SuperCJK Version 3.0 is compiled mainly based on the outcomes of IRG Editorial Meeting held in Beijing on 4-6 August , 1998.

According to the report from Ms.Wang Xiaoming, the editor of IRG, the major changes made for this version are summarized as follows:
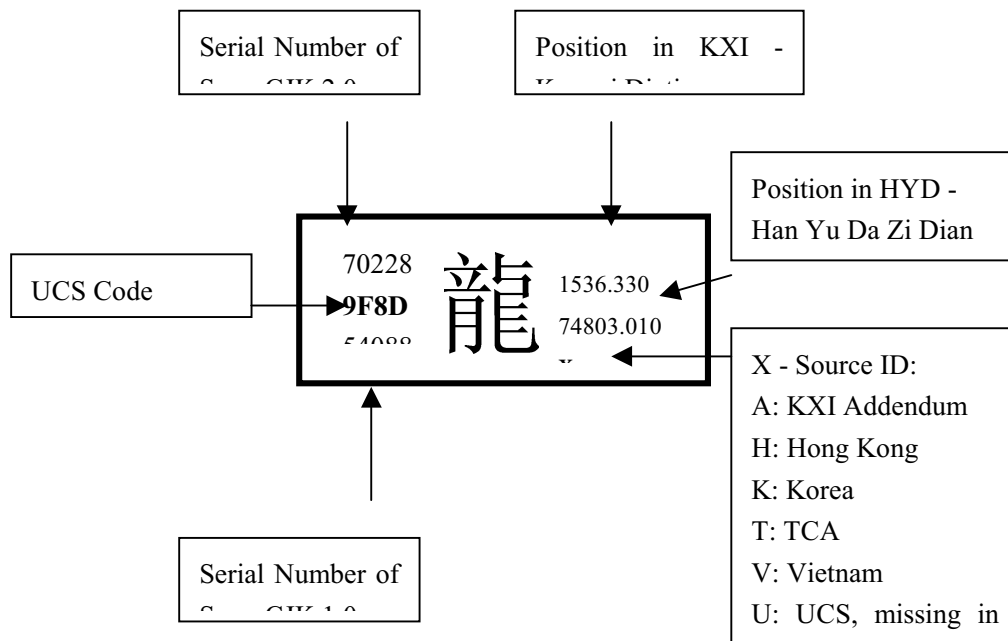
1. Refer to IRG N586 and N586R, **1241** couples of Ideographs have been unified. As a result, 1241 Ideographs are removed.
2. According to IRG N587, **4** records have been deleted, their s/n in SuperCJK 2.0 are 03305, 31494, 31493 and 03125.
3. According to IRG N590, **45+2** Ideographs have been added. (The additional two are from CJK Extension A U+464A, and HK A-0961 with V2-8361 at SuperCJK 2.0 50736.)
4. **720** unique Ideographs from HongKong have been withdrawn according to IRG N591.
5. **42** Vietnam ChuNoms have been added based on IRG N595 and N595R.
6. **8** duplicated Ideographs in Kangxi Dictionary have been removed, see IRG N585 as well as SuperCJK 2.0 s/n 05468-05110 and 06222-06223.
7. In addition to N586 and N586R, **126** couples of Ideographs found by Ms.Wang Xiaoming have been unified, see N586Plus.
8. Based on IRG N588, N589 and N594, many ordering errors have been fixed by renumbering KXI data and resorting.
9. **27** glyphs have been modified according to IRG N587 and N587Plus.
10. After all above changes are made, the whole repertoire has been resorted on KXI and HYD data, the new s/n for SuperCJK 3.0 have been assigned while the s/n of SuperCJK 2.0 are still kept for checking.

The SuperCJK 3.0 contains **68323** Ideographs, of which about **40840** Ideographs could be the candidates of the CJK Unified Ideographs Extension B.

Rapporteur's Note for the Version 2.0

The SuperCJK Version 2.0 is an expanded repertoire based on SuperCJK 1.0 (IRG N542) dated on 1998-05-05,. It contains **70,335** Ideographs, including CJK Unified Ideographs , CJK Unified Ideographs Extension A, Ideographs in Kangxi Dictionary 《康熙字典》 and Han Yu Da Zi Dian 《漢語大字典》 and all other Ideographs submitted by Hong Kong, TCA, Korea and Vietnam before 10, June 1998. This document intends to assist IRG Editors to generate *CJK Unified Ideographs Extension B* in Plane 2 of ISO/IEC 10646.

1. Data Item Description: The meanings of the data items in each box of the chart are shown below.

2. What's New in SuprCJK 2.0 Compared with SuperCJK 1.0 ?

(1) The KXI position data in the Addendum of Kangxi Dictionary （《康熙字典》補遺） have been changed to the virtual ones which are the positions where they should have been placed in the dictionary. This sub-repertoire is denoted as "A", which contains 1770 Ideographs.

(2) 985 of 1001 Hanzi proposed by Hong Kong ("H") have been included, the remaining 12 of 16 Hanzi have existed in SuperCJK 1.0 and 4 of 16 Hanzi are unified with other sources (A or U).

(3) 172 of 273 Hanja proposed by Korea have been included, the remaining 101 are unified with KXI, HYD and other sources (A, U, or H).

(4) 8424 of 30020 Hanzi proposed by TCA ("T") have been included, while the remaining 21181 have existed in KXI or HYD, and 415 are unified with other sources (A, U, H or K).

(5) 4044 of 4253 ChuNam proposed by Vietnam have been included, while the remaining 209 are unified with other sources.

(6) 12 Ideographs in CJK, and 752 Ideographs in Extension A have been included which were missing in SuperCJK 1.0 since they do not exist in KXI or HYD.

When more than one Ideographs from different sources are unified, the priority of selecting "representative glyph" is by the Alphabetic order (A, H, K, T, and V), the U is regarded as the

first priority. The information on the unification are kept and will be provided by another document.

3. How Many Ideographs in SuperCJK 2.0 are for Extension B ?

All of the Ideographs without UCS code are the candidates of CJK Unified Ideographs Extension B, after reviewing and proofing by IRG editors. The number would be around **42,851**.

Acknowledgement:

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Appendix:

Editor's Note (for Version 1.0)

- **The SuperCJK :**

    This Ideographic repertoter contains 55947 Ideographs as a SuperSet of

    1.   CJK Unified Ideographs encoded in ISO/IEC 10646-1:1993 (20890 of 20902)
    2.   CJK Unified Ideographs Extension A to be pDAM 17 of ISO/IEC 10646-1:199x   (5830 of 6582)
    3.   Ideographs in Kangxi Dictionary (42267)
    4.   Ideographs in Han Yu Da Zi Dian (54780) .

- **The Purpose**   The SuperCJK is designed for

    1.   Providing a consorlidated reference document for IRG Editors in preparing the Ideographs in Plane 2.
    2.   Specifying China's requirement for Plane 2 in stage I, that is , all the not-encoded Ideographs in the SuperCJK are proposed to be included in Plane2.

- **The Format**

    1.   The Serial Number No specify the order number of the Ideographs in the SuperCJK, sorted by the page-positions of Ideographs in KXI (as the first key) and HYD   (as the second key) .
    2.   The Code , 4E00-9Fxx show the Ideographs in CJK, while 3400-4Dxx show the one in CJK Extension A.
    3.   The format of KXI and HYD data are the same as IRG defined before.

Contact: Zhang Zhoucai, CCID Senior Engineer, IRG Rapporteur
C/o: Wang Xiaoming, IRG Technical Editor
Address: No.14. 3/F, ZhiXinCun XiaoQu, Beijing 100083, China
Tel: (8610)6234 0198, 6234 5536   FAX: (8610) 6231 2924
E_Mail: joezhg@public.bta.net.cn
Web Site: http: //www.cs.cuhk.edu.hk/~irg