Integration Panel Considerations on the 20151125 Chinese Root LGR

Integration Panel

December 17, 2015

1 Summary

This document analyses the content of the current Chinese LGR (CLGR5) as provided by the Chinese Generation Panel, and specified in the following two files dated November 25th 2015:

- CGP LGR 20151125.xlsx.
- CGP20151018-mod.xml

The Integration Panel analysis can be summarized as follows. The CGP LGR repertoire:

- is very close in code point repertoire to the full set of CJK Unified Ideographs in MSR-2 (CLGR5: 19 731 versus MSR2: 19 850).
- includes all the Hong Kong core characters that are part of the HK IICORE subset included in the Basic Multilingual Plane (BMP) (as do MSR-2 and the .asia ZH set)
- does not include the same category of HK characters, if they are encoded on the Supplementary Ideographic Plane (SIP),
- does not include some Singapore characters and other miscellaneous characters that are part of the .asia ZH set (7 characters),
- adds 94 Kanji core characters (J0 subset), leaving only 50 excluded from the set (from a total of 6 356 characters) without providing a rationale for the split decision.

This leads to two observations:

- In light of the rather small difference between the latest CGP LGR draft and the MSR-2
 repertoire of Unified CJK Ideographs, the integration panel is interested in obtaining a more
 detailed rationale for the selection of code points to be excluded, as none was found in the
 files provided.
- 2. Alternatively, the Chinese GP might consider adopting a much smaller and more restricted repertoire for the root; for example, using the Chinese subset of IICORE, which could be simpler to specify, in particular with regards to variants.

For a more complete set of questions by the Integration Panel, please end of Section 4.2 (p. 8).

It should be noted that the variant set has not been analyzed by the Integration Panel. This will be done when the repertoire is agreed and confirmed.

2 Definitions

2.1 IICORE collection

The International Ideographs Core (IICORE) is a fixed collection of CJK Ideographic code points deemed essential to all IRG Asian constituencies except Vietnam (a total of 7 sources). It contains 9 810 code points and is part of both ISO/IEC 10646 and Unicode. It was created by IRG based on priority (A to C, A being the highest) among its 7 sources.

2.2 MSR-2 CJK repertoire

The CJK repertoire in MSR-2 consist of 19 850 CJK Unified Ideographs, corresponding to the union of the following sub-repertoires:

- 1) .asia Japanese https://www.iana.org/domains/idn-tables/tables/asia ja 1.1.txt
- 2) .asia Chinese https://www.iana.org/domains/idn-tables/tables/asia_zh_1.1.txt
- 3) IICORE as defined in Unicode 6.3
- 4) Code point U+9DCO.

The .asia Chinese repertoire is itself the result of a merge of the repertoires corresponding to various Chinese sources such as China PRC, Hong Kong SAR, and Taiwan.

Note that MSR-2 contains a few additional code points tagged with "sc:Hani" but that are not considered CJK Ideographs (for example U+3005 IDEOGRAPHIC ITERATION MARK and U+3006 IDEOGRAPHIC CLOSING MARK).

3 Existing IDNA practice for Chinese repertoires

3.1 IDNA .cn and .tw CJK Unified Ideograph repertoire

There was no single, well-established standard on which to establish a script-based repertoire for Chinese. Chinese repertoires have been independently created for Traditional and Simplified Chinese. However, the need to harmonize the process of simplified and traditional variants has lead to common repertoires in the context of IDNA.

The Chinese repertoires defined by the .cn registry [CNNIC] and the .tw registry [TWNIC] are identical and contain 19 520 Hanzi ideographs from two Unicode blocks: CJK UNIFIED IDEOGRAPHS and CJK UNIFIED IDEOGRAPHS EXTENSION A. They include the core repertoires for both simplified and traditional Chinese, expressed as follows:

IRG Source	size	Included in	Excluded
name		.cn and .tw	
G0	6 763	6 763	0
G1	2 202	2 201	1
HB0	10	10	0
HB1	5 401	5 401	0
HB2	7 650	7 650	0

T1	5 414	5 413	0
T2	7 650	7 650	0

Other secondary Hanzi sources, such as G3, G5, GE, GH, GK, and T3 are also widely represented in that repertoire. Sources listed are not mutually exclusive, except for levels inside the same group G, T, H.

Note: The one exception to the inclusion of the core sets is the code point U+9DC0 (鷀) part of the G1 set which should have been the traditional variant of U+9E5A (鷀), but has been commonly replaced by U+9DBF (鶩) in that role. See a specific consideration below.

3.2 DotAsia .asia ZH repertoire

Because the repertoire defined by .cn and .tw does not fully cover the need of some Chinese constituencies such as Hong Kong SAR and Singapore, a new IDNA repertoire was created by DotAsia (.asia registry) for Chinese use (.asia ZH). It is a superset of these sets. It adds 163 Hanzi ideographs, of which 156 are part of HKSCS (Hong Kong Supplementary Character Set) included in the IICORE collection, 4 are GS (Singapore Characters), and the remaining 3 are part of various other Chinese sources but necessary to insure full transitivity in variant processing.

This makes a total of 19 683 Hanzi ideographs.

Note: This LGR contains 62 code points from the block: CJK UNIFIED IDEOGRAPHS EXTENDED B, added through the inclusion of the 156 characters from HKSCS.

Note: By being such a large union of various Hanzi ideographs, these repertoires include almost all the core Japanese Kanji set (6 212 Kanji ideographs out of a total of 6 356 for the JO: JIS X 0208-1990 set).

4 Current Chinese Root LGR 2015-10-18 (CLGR5)

The latest repertoire proposed by the GP has a simple relationship to the .asia ZH set.

4.1 69 code points removed compared to other tables

The current LGR draft does not include the 62 code points from the IICORE HKSCS subset which are located in CJK UNIFIED IDEOGRAPHS EXTENSION B, and the 7 non-HKSCS Hanzi that were added by DotAsia to the union of .cn and .tw sets. These 7 code points are all part of CJK Extension A and are shown here:

Four of them (U+39DB, U+4882, U+4C9D, and U+4C9E) are part of the GS set (Singapore Characters), and were likely added to satisfy requirements from the Singaporean community.

The last three (U+3BA3, U+43D3, and U+4443) have variants with other .cn code points, although they may have been simply added on their own for basic needs. They all have T3 source which is a well-represented source in MSR-2 and .cn IDNA table (over 50% coverage).

4.2 117 code points added compared to other tables

CLGR5 adds 117 characters for a total of 19 731 code points. (Note that this is only 119 less than the full set of CJK Unified Ideographs in MSR-2).

These 117 code points are classified as follows:

In CJK UNIFIED IDEOGRAPHS EXTENSION A (10 code points)

3960 心 61.9	情 G5-5435	作月 T3-3B5F	愕 JA-2329	3C5 ± 163.7	FS G3-6F29	辰 T4-3034	
	肾 K3-2554			3D3 ± 163.10	哥 G3-7B67	嗣 [T4-4134	
4137 禾 115.5	FG5-5B24	和 T3-3275	括 K3-2D4F	9 D1 ₫ 170.8	定 GKX-1352.16	定 T3-395D	
48B5 邑 163.4	<u>二</u> G5-6F4F	元 T3-2736	元 [5] J4-7A27	112	写	写	K3-3455
	式 K3-3368			B3 196.4	京島 GKX-1484.04	鴻	戊島 JA-282A
48BC 邑 163.6	∰ G3-706A	## T4-2B56		D08 ₹ 196.13	契 鳥 G3-5E36	東 東 大 14-6 C52	解 大心 V2-8A27

In CJK UNIFIED IDEOGRAPHS (107 code points)

4E55) 4.6	 GE-2130	清 J0-6949	51E6 几 16.3	<u>√</u> GE-227E			<u>贝</u> J0-3D68	<u>処</u> K2-244F
4FAD 人 9.6	(C) GE-2168	√ J0-4B79	5227 刀 18.5	式 GE-2330	#-89A6	式 T3-245D	刧 J0-5167	刧 K1-582E

524F л 18.7	并 刀 GE-2339	#77 } H-87BC T3	初 3-2B43	// J0-516C	1 111 K2-246B	63BB 手 64.8	基 GE-2B54		搔 J0-415F	搔 K2-3569
5271 刀 18.9	实 刀 GE-2340			刻 J0-517B		6442 手 64.10	GE-2B6A		摂 J0405D	
5368 25.9	G3-3055		占4-3064		K0-6059	663B	F-2C64	日 丁 T3-2D22		 K0-6469
56A2 □ 30.15	震 GE-2529			妻 J0-4739		663F ⊟ 72.5	 GE-2C65		J0-5B26	
576E ± 32.5	↓ G5-3575	<u>†</u>	3-2828	台 J1-3747	计台 K0-535D	66FD ⊟ 72.7	GE-2D33		J0-413E	
5817 ± 32.9	<u> </u>	T4	<u>犬</u>		埃 K1-5D50	685C 木 75.6	桜 GE-2D78		桜 J0-3A79	桜 K2-3A6C
5841 ± 32.9	GE-2572			型 J0-4E5D		685F 木 75.6	栈 GE-2D7B		栈 J0-3B37	
58CC ± 32.13	<u>実</u> GE-2633			接 JO-3E6D		6AAA 木 75.13	GE-2F2A	将73-5529	檪 J0-5D2C	
5BFE 寸 41.4	X √√ GE-2774)) 7	7 3-255C	対 J0-4250	大 大	6C17 气 84.2	GE-2F75		J0-3524	K2-3F43
5C02 寸 41.6	事 GE-2775			事 J0-406C		6D9C 水 85.7	清 GE-303A		涜	沅 K2-4066
5СС0 _{Ш 46.5}	GE-2835	E	1-2634		K0-617C	6E13 水 85.8	渓 GE-304F		溪 J0-3740	
5 D5C _{Ш 46.9}	<u></u> GE-2851			J0-563F		6E7A 水 85.9	 分 GE-305B	TF-3C5D		
5E3F 巾 50.9	候 GE-287A	T5	候		候 K0-7D2C	6E8C 水 85.9	淫 GE-3065		浇 J0-482E	淫 K2-4158
5F10 ₹ 56.3	GE-2944		F-224E	J0-4675	K2-3122	7114 火 86.8	伯 GE-316E		炉 J0-316B	焰(2444A
6060 心 61.6	住 GE-2A21		在 -2C5F	J0-575F	柱 K1-5A26	713C 火 86.8	<u>集</u> GE-3177		焼 J0-3E46	焦 K2-4459
60A9 心 61.7	GE-2A30		3-3121	J0-473A	K2-324D	7155 火 86.9	<u></u> <u>GE-317E</u>		<u></u> J0-5F66	EE K2-4466
61F4 心 61.15	<u>懺</u> GE-2A6C			懺 J0-5873	懺 K2-337A	72A0 # 93.13	镁 GE-3271		犠 JO-353E	镁 K2-4637
633F 手 64.7	ff GE-2B40	† T3	手 1-313C	J0-415E	挿 K2-3538	731F 犬 94.8	∭ GE-3323		猟 J0-4E44	Ж К2-4676

7005				\ A = F =		7D04					
732F 犬 94.9	分 G5-467E		73-3D2D	治 J0-604E	K2-467E	7D9A 糸 120.7	続 GE-383A			続 J0-4233	続 K2-5250
7363 犬 94.12	当大 GE-332F			当 人 J0-3D43	当大 K2-473C	7E4A 糸 120.11	会社			緘 J0-4121	純 K2-5330
74A2 玉 96.13	理 GE-3353		T3-516B	J0-6065	K2-484E	7E4B 系 120.13	製 GE-3859			契 J0-3752	契 K2-5331
750E 瓦 98.11	槧 瓦 GE-336D	朝. H-FEA9	朝. T3-516E	<u>東</u> J0-612F	槧 K1-6C24	8133 肉 130.7	月 兴 GE-3963			J0-473E	
754A ⊞ 102.4	GE-3379	H-FEB2	T3-2E28	J0-6139	K1-5854	81D3 肉 130.14	腻 GE-3974			腻 J0-4221	
7573 _{⊞ 102.7}	GE-3427			J0-3E76	置 K2-493E	8217 舌 135.9	全前 GE-3A24			新 JO-4A5E	
75E9 ∱ 104.7	<u>実</u> GE-3435			痩」		8 262 舟 137.13	京本 月日 GE-3A2F	胎 H-956B	大 万 T3-5A7A	小本 J0-6760	州山 K2-5669
7807 石 112.4	行文 G5-577A		行文 T3-2E3B			839F 艸 140.7	G3-692F		T3-3857	含 J0-6831	K1-727E
783F 石 112.5	GE-3533			玩 J0-395C	F2-4C56	83B5 艸 140.7	GE-3A5A			克 J0-6839	
784F 石 112.6	GE-3534		T3-3761	J3-7923	F F C C C C C C C C C C	86CD 虫 142.5	当 GE-3C2A			当 J0-3756	
7A36 汞 115.10	展 GE-3634		越 T4-4B6B		秘 K0-6973	874B 虫 142.8	∰ GE-3C3F			斯 J0-4F39	蝋 K2-5C49
7A4F 汞 115.11	穩 GE-363B		穩 T3-522C	穏 J0-323A	穩 K2-4E78	877F 虫 142.9	GE-3C4B			<u>蝿</u> J0-4768	K2-5C65
7A63 汞 115.13	穣 GE-3640			穣 J0-3E77		88B5 衣 145.6	社 GE-3D29	社 H-8FC4	补 于 T3-3E72	社 J0-6A54	社 K2-5E4C
7AD7 立 117.4	GE-365E		TF-2C76		K0-595F	894D 衣 145.12	集 GE-3D3E	集 H-95A7	<u>集</u> T3-587C	集	集 K1-6B3D
7ADA 立 117.5	立 5 GE-365F	H-8E56	T3-3323	J0-636C	立 K2-4F4D	8A33 膏 149.4	訳 GE-3D63			三 尺 J0-4C75	三 尺 K2-6038
7B86 竹 118.8	定 GE-3724		汽 T3-4860	於 此 JO-4A4F	能 K2-5030	8AAD 膏 149.7	<u></u> 完 GE-3D75		<u></u> 言元	読	読 K2-6063
7C14 竹 118.11	笑 GE-373F		簑 TF-5B5F	美 J0-6443		8B0C 言 149.10	<u></u> 三 一 一 GE-3E25	H-8FDE	三 <u></u> 二 丁 T3-564A	三 <u>甲</u> 山町 J0-6B68	三 可 口可 K1-572F
7C4F 竹 118.14	籏 GE-374B		籏 TF-6567	籏	籏 K2-512C	8B72 言 149.13	譲 GE-3E37			護 J0-3E79	

8E99 足 157.16	口 山 (55-6F39		丁 售 T3-604B	足性 J0-6D38	加度 K1-5F6D	984B 頁 181.9	思 GE-453C	順	思 有	思	思 K1-6569
8F0C 車 159.6	車両 GE-3F6E			J0-6D52		98EE 食 184.4	<u>(</u>) GE-454E			飲 J0-5D3B	飲 K0-6B66
8F19 車 159.8	朝 GE-3F73	朝 H-904C	東 取 13-4F36	載 J0-6D4D	颠 K2-6527	9A12 馬 187.8	斯 史 GE-462C			原 J0417B	
9039 ^{走 162.8}	達 GE-4043			達 J0-6D7D		9A13 馬 187.8	原 GE-462D			験 J0-3833	験 K2-6F2C
9197 酉 164.9	西発 GE-407E			严 J0-4830		9A28 馬 187.9	馬単 GE-4635			斯 J0-424D	
91A4 酉 164.10	学 GE-4124			半 上 J0-3E5F		9C04 魚 195.9	無 GE-4737		鰄 T3-5D68	原成 J0-725A	原成 K2-713E
91B8 酉 164.13	严 美 GE-4126			JO-3E7A		9C2E 魚 195.10	任 GE-4742		五 T3-5F2A	丛 J0-725B	K1-6846
91C8 _{采 165.4}	釈 GE-412C			釈 J0-3C61	釈	9C76 魚 195.15	養 GE-4750		震	養 J0-7268	鱶 K2-717B
9271 金 167.5	<u></u> 金 <u></u> GE-4167			鉱	<u>鉱</u> K2-6849	9D0E 鳥 196.4	区 GE-475B			区 <u>鳥</u> J0-322A	
9 421 金 167.12	鐵 GE-4336			銀 J0-6F45	企 大 大 大 大 大 大 大 2 -6A5A	9D2C 鳥 196.5	常 GE 4763			爲 10-3229	
945A 金 167.15	貸 GE-4349		全持 T3-6055	貸	鑽 K2-6A75	9D8F 鳥 196.8	彩 GE-4825			鶏	
9665 阜 170.7	GE-4429		10-0000	J0-3459	112-07/10	9DC0 鳥 196.10	兹鳥 G1-704B	<u>掳</u>	妨,	<u> </u>	싫 K2-7333
967A 阜 170.8	除 GE-442D			険	険 K2-6B6F	9E78	原 GE-4857			 J0-3834	
96B2 阜 170.14	[編 GE-443D		鴻	騰	102-0001	9EB9 麦 199'.8	刻 GE-486C			<u>契</u> J0-396D	
9 74 D 雨 173.19	信息 GE-4464		全点 13-666F	震 13.7068		9EBA 麦 199'.9	麦 GE-486D			<u></u> J0-4C4D	
982C 頁 181.6	<u>実</u> GE-4532			<u>類</u> J0-4B4B							

The analysis of these 117 additions is straightforward:

- 22 code points correspond to those IICORE characters included neither in the DotAsia ZH set nor as part of the JO Japanese core set (see Section 4.2.2 below)
- 94 code points are part of the JO Japanese core set.

Note: many of these 94 code points have an additional GE source (GB 16500-95), but that simply denotes a horizontal 'extension' in the CJK Main block, not a true source. Once this addition is taken into account, only 50 code point of the J0 set are excluded from CLGR5 (see Section 4.2.1 below).

Code point U+9DC0 is included, as required to complete a variant set (see MSR-2).

Questions from the Integration Panel:

- The IP would like to know the rationale for adding the 22 IICORE characters that are not used in existing IDN tables (see Section 4.22). We note that over half of them are included in IICORE for support of Korean.
- The IP would like to learn the reasoning by the CGP with regards to deciding which code points from the JO set to include. We were unable to identify a pattern to distinguish the 94 that were selected from the 50 that were excluded. For example, we can see that a few of these 50 have glyph shapes are distinctively 'Japanese' but on the other hand, many are shared with other IRG sources.
- The IP wonders whether it is wise not to include the 7 characters that were deemed useful by DotAsia for Singapore and other Chinese constituencies (listed explicitly in Section 4.1).
- The IP would like to see a more detailed analysis of the 62 characters IICORE encoded in the block: CJK UNIFIED IDEOGRAPHS EXTENSION B and which are not included in the CLGR draft. These are all HKSCS characters and are specific to Cantonese. The main reason that they are encoded in Extension B (instead of the main block or Extension A) is because they were processed later by the IRG. The IP feels that any rationale for excluding them (whether or not this is because of their encoding in a Supplementary Plane), would need to be specifically documented by the Chinese Generation Panel.

4.2.1. J0 code points not included in CLGR5 (50 code points)

List of JO core Japanese characters that are excluded from CLGR5 (50 code points):



616F 心 61.11	傷 G5-535D	傷 H-A074	傷	傷 J0-5853	傷 K2-333C	815F 肉 130.9	<u>房</u> G5-4F54		月 <u>室</u> T3-437E	膳室 J0-6735]室 K2-5560
6282 手 64.4	### GE-2B23	H-9FF4	T3-262A	J0-5930	1	822E _{舟 137.4}	GE-3A27			分 J0-6764	
65D9 _{方 70.12}	活 GE-2C55		扩 TF-5464	播 J0-5A5A		84AD 艸 140.10	高 G5-6764	易 H-9AF2	与 T34942	弱 J0-685A	分 K1-704B
67A9 _{木 75.4}	GE-2D50			太 J0-5B40		8C7C	新 GE-3E4B		新上 T3-392E	新 上 J0-6C41	新 K2-623C
6859 木 75.6	样 GE-2D75		样 T3-3160	样 J0-5B62	样 K2-3A6B	8C8E ∄ 153.8	貌 GE-3E4F		3兒 T3-4E7A	親 JO-6C3F	貌 K2-6247
68BA 木 75.7	本木 GE-2E28			林 J0-5B72		8CCD 貝 154.6	則 GE-3E5C	<u></u> H-9E48	<u>其</u>	<u></u> <u></u> <u></u> <u></u> <u> </u>	<u></u> <u> </u>
69F9 木 75.11	槹 GE-2E67	橰	槹 T3-4C5F	槹 J0-5C5F	槹 K1-5871	8EE3 車 159.4	更 GE-3F67	11-52-40	134407	J0-6D44	112-0200
6A0C 木 75.11	貫 G5-444A	慣 H-986C	慣 T3-4C50	樌 J0-5C6E	樌 K2-3C62	8F5C 車 159.14	事 G5-477D	丰宗 H-9F78	事 下 T3-5E67	10-6D5F	丰 K2-6544
6BB1 罗 78.15	<u>戴</u> GE-2F60			娥 J0-5D54		900E ^{走 162.7}	<u></u> G3-7164		<u>适</u>	<u></u> 近 50-6E25	迺 K2-6567
6E76 水 85.9	淚 G5-5630	凉 H-92B3	凉 T3-3C6C	浪 J0-5E59		91D6 金 167.2	釘 G5-7537	釖 H-FC5E	金 刀 T3-3430	釖 J0-6E5B	釖 K2-675B
76B9 皮 107.9	集 GE-3457		万 T3-482E	輝 J0-6231		91E1 金 167.2	会 GE-4131			金 J0-6E5D	
7724	FE-3468	肥 H-A0C1	T3-3265	尼 J0-6242	尼 K2-4B2B	91F6 金 167.3	釶	釶	釶	釶	
799D 示 113.10	樱 G5-5768	複 H-FEF5	逻 T3-4D50	一 腹 J0-6335	一 爬 K1-6E2A	91FC 金 167.3	G5-7539	H-8C50	T3-3959	J0-6E61	
7B7A 竹 118.7	<u>宝</u> GE-3723			宝 J0-6421		922C 金 167.4	GE-413B GE-414C			J0-6E5F J0-6E65	鈬
7BCF 竹 118.9	恢 G5-635A	管 H-9F5D		管欠 J0-643D		93E5 金 167.11	鏥		鏥	鏥	NZ-0628
7CAB ※ 119.6	### GE-3769		米 TF-3E21	H 11 J0-6468		941A 金 167.12	GE-427A 企恶		T3-5B4A 金蕊	J0-6F35 金融	鐚
7DE4 糸 120.9	禁 G5-6C40	女世 六木 H-8EAE	集 T3-4E24	集 J0-654A	糕 K2-5268	95A0 門 169.5	GE-4332	閨	T3-5D44	J0-6F3C	K2-6A57
80AC 肉 130.4	F. G5-4E73		T3-2A59	月尤 J0-666F	K 2-547D	9764 面 176.5	GE-4368 G5-7761	H-90B5	TF-457B TO-457B T3-4A4E	J0-6F60 J0-7052	E K2-6C59

9D2A 鳥 196.5	六島 GE-4761	六 <u>鳥</u> T3-5432	穴鳥 J0-7272		9E95 鹿 198.8	屋 G5-7A22	H-91AB	宝 T3-5C29	J0-734B	震 K2-7379
9DC6 鳥 196.10	<u>自</u> GE 4837		息,0.7336	<u> </u>	9F21 鼠 208.0	鼡 GE-487D)H J0-736B	

4.2.2. IICORE code points not included in CLGR5 repertoire (22 code points)

By design, MSR-2 set contains the full IICORE set. Of the 9 810 IICORE code points, these 22 are the only ones not part of the union of the two DotAsia repertoires investigated as part of MSR-2. A bit over half of this set is included in IICORE to support Korean.

Extension A (3400-4DBF):

	nt, Radica	l, Stroke	count, S	Sources	Priority-Source(s)
3960 心 61.9	情 G5-5435	何 T3-3B5F	肾 JA-2329	肾 K3-2554	C-K
4137 禾 115.5	乔石 G5-5B24	和 T3-3275	括 K3-2D4F		C-K
48B5 邑 163.4	<u></u>	元[5 T3-2736	式 J4-7A27	元 [5 K3-3368	C-G
48BC 邑 163.6	式了 G3-706A	## T4-2B56			C-G
48C5 邑 163.7	F S G3-6F29	辰了 T4-3034			C-G
48D3 邑 163.10	哥 区 G3-7B67	哥 区 T4-4134			C-G
49D1 阜 170.8	定 GKX-1352.16	『定 T3-395D			C-G
4A12 雨 173.6	万 万 G5-734C	河 フ T3-4A4A	K3-3455		C-K
4CB3 鳥 196.4	京島 GKX-1484.04	<u> </u>	戊島 JA-282A		C-T
4D08 鳥 196.13	奥烏 G3-5E36	東島 T4-6C52	知 大河 V2-8A27		C-T

^{*} In this column, '-K' stands for K source

Main block (4E00-9FFF)

	Code point, Radical, Stroke count, Sources	Priority-Source(s)*
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Code poi	nt, Radical, S	Stroke count, Sou	rces	Priority-Source(s)*
5368 - 25.9	G3-3055	T4-3064	K0-6059	A-KP
576E ± 32.5	G5-3575	始 始 T3-2828 J1-3747	拾 K0-535D	A-KP
5817 ± 32.9	<u>埃</u> G5-364F	文 T4-3669	<u>埃</u> K1-5D50	C-P
5СС0 _{Щ 46.5}	GE-2835	T4-2634	K0-617C	A-KP
5E3F † 50.9	快 GE-287A	候 T5-377C	候 K0-7D2C	А-КР
663B	F F GE-2C64	T3-2D22	K0-6469	А-КР
6E7A 水 85.9	 GE-305B	深 TF-3C5D	湺 K0-5C48	А-КР
7807 石 112.4	万文 G5-577A	石文 T3-2E3B		С-К
784F 石 112.6	GE-3534	T3-3761 J3-7923	TIT K0-665A	А-КР
7A36 禾 115.10	穫 GE-3634	不 践 T4-4B6B	移 K0-6973	А-КР
7AD7 立 117.4	GE-365E	TF-2C76	K0-595F	А-КР
974D 雨 173.19	信息 GE-4464	信 第 13-666F J3-7D68		C-J

^{*} In this column, '-K' stands for K source, and '-P' stands for KP source. Therefore here '-KP' means both North and South Korea sources. In other instances, such as source references, the term 'KP' refers to North Korea (DPRK) originated characters.

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