

Subject: A Horizontal Extension of 6 K6 (KS X 1027-5) chars

Date: 2021.02.26.; 2021.03.14. (b)

Author: KIM, Kyongsok (Republic of Korea)

Status: National Body position

1. 6 chars in IICORE which have K tag but do not have K source references

- In the 6th edition of ISO/IEC 10646:2020, there are 6 chars in IICORE which have K tag but do not have K source references as shown below.

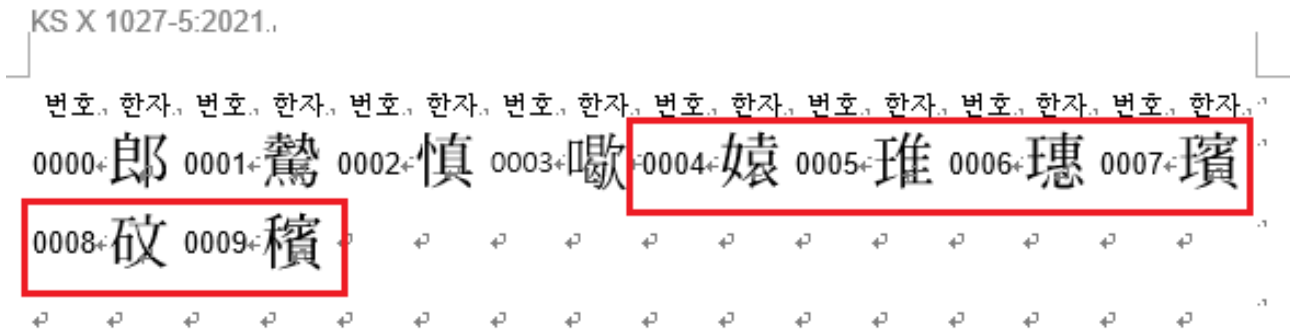
- Their UCS cp's are U+5AB4, U+741F, U+74A4, U+74B8, U+7807, and U+7A66.

5AB4 女 38.10	嬢 嬢 嬢	G5-4047 HB2-DD43 T2-4249	K6-0004
741F 玉 96.8	玊 玊 玊	G3-3F59 H-98CA T3-3D35	K6-0005
74A4 玉 96.12	璉 璉 璉	GE-4254 H-FC71 T3-6567	K6-0006
74B8 玉 96.14	璜 璜 璜	G3-3F71 HB2-F040 T2-622D	K6-0007
7807 石 112.4	砭 砭	G5-577A T3-2E3B	K6-0008
7A66 禾 115.14	穡 穡	GE-4542 T3-5A65	K6-0009

2. Revision of KS X 1027-5 in 2021

- In Feb. 2021, the revision of KS X 1027-5:2021 (referred to as "K6" in UCS CJK source) was approved and the revised standard will be published in a couple of months.

- Among other things, the six chars mentioned in 1 above are added to KS X 1027-5:2021 as shown below.



- A portion of the KS X 1027-5:2021 shown above is reproduced below using the font containing these 6 chars whose cp is UCS cp (i.e., not a temporary or PUA cp).

0004 媛 0005 璫 0006 璵 0007 璶
0008 斫 0009 穡

媛 5AB4
璫 741F
璵 74A4
璶 74B8
斫 7807
穡 7A66

3. A Request of a Horizontal Extension of these 6 chars to UCS

- Therefore, KR requests horizontal extension of these 6 chars to the next version or amendment of ISO/IEC 10646.

- KR suggests that the following six lines be added to CJKSrc.txt

```
U+5AB4 kIRG_KSource K6-0004
U+741F kIRG_KSource K6-0005
U+74A4 kIRG_KSource K6-0006
U+74B8 kIRG_KSource K6-0007
U+7807 kIRG_KSource K6-0008
U+7A66 kIRG_KSource K6-0009
```

- A TTF font for these 6 chars will be provided when requested.

- Comments from IRG experts are welcome.

Attachment 1. IRGN2468_2_mapping_table_6_K6_chars.txt (attached as a separate file)

```
# k2510_2_IRGN2468_2_mapping_table_6_K6_chars
U+5AB4      K6-0004
U+741F      K6-0005
U+74A4      K6-0006
U+74B8      K6-0007
U+7807      K6-0008
U+7A66      K6-0009
```

Attachment 2. k2396_33j_K6_v22_20200724_158_chars.ttf (font name = "K6_v22") (K6 font containing these 6 chars.)

* * *

Appendix 1. (FYI Only) Two issues related with KS X 1027-5

* Information in Appendix 1 is for your information only, and NOT directly related with the request of horizontal extension described in the main body of this document above.

1. Horizontal Extension of U+9ED9 for K6-1021

- U+9ED9 is a IICORE char which had a K tag but did not have K source reference until ISO/IEC 5th edition.

- K source reference "K6-1021" was added to U+9ED9 in ISO/IEC 10646:2020, 6th edition, as shown below.



2. Modification of the glyphs of the five existing chars in KS X 1027-5

- relevant documents:

IRG N2300, A proposal requesting a horizontal extension of 152 Hanja chars, 2018.04.18.

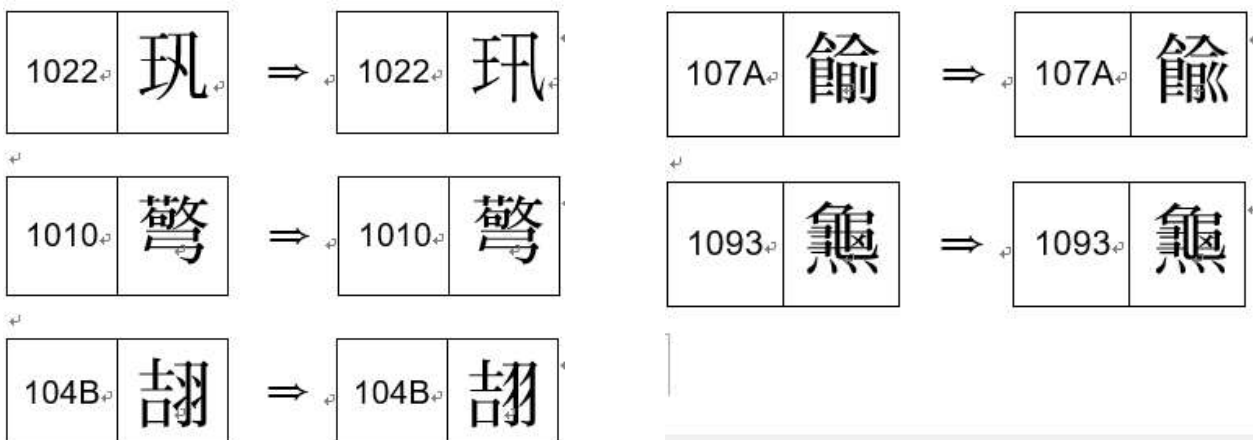
IRG N2300 Feedback on IRG N2300, Eiso Chan, 2018-06-05

WG2 N4968 (= IRG N2300_1c, =k2396_1gc), A proposal requesting a horizontal extension of 152 Hanja chars, data concerning K6 source, KIM Kyongsok, 2018-06-01

WG2 N5016 (= IRG N2349, k2396_21), Request to move character K6-1022 in Horizontal Extension of KS X 1027-5 from U+3EAC to U+248F2, SHIN Sanghyun, et al., 2018-12-13

WG2 N5067 (= k2396_31), Request to change 4 glyphs in Horizontal Extension of KS X 1027-5 (IRG N2300), ROK, 2019-06-07

- The glyphs of the five existing chars in KS X 1027-5 (K6-1022, K6-1010, K6-104B, K6-107A, K6-1093) have been modified in the revised KS X 1027-5:2021 as shown below:



* * *