

Title: CJK & Unihan Working Group Recommendations for UTC Meeting #185

Author: Ken Lunde

Date: 2025-10-20

This document provides the CJK & Unihan Working Group recommendations for UTC Meeting #185, based on a meeting that took place on 2025-10-10 from 6 to 7:30PM PDT, which was attended by Yi Bai, Eiso Chan, Peter Constable, Ned Holbrook, Jùnliàng Huáng, Kushim Jiang, Ken Lunde, William Nelson, CheonHyeong Sim, Hong Sng, Keong Khon Tan, Harald Tveiten, Yifán Wáng, and Chi Chung Woo via Webex. This document also includes recommendations from [IRG Meeting #65](#) that took place from 2025-10-13 through 2025-10-16 in Guangzhou, China as a hybrid meeting. The Chair of the [CJK & Unihan Working Group](#), Ken Lunde, chaired the CJK & Unihan Working Group meeting, and the Convenor of the [IRG](#), also Ken Lunde, chaired IRG Meeting #65.

The CJK & Unihan Working Group reviewed public feedback and documents that were received since UTC Meeting #184 took place, along with recommendations from IRG Meeting #65 in document [IRG N2826](#). Comments are marked in **green**, and Recommendations to the UTC are marked in **red**. A “plain text” Copy&Paste-ready version of the Recommendations is also provided as the PDF attachment named *recommendations-20251010.txt*.

Public Feedback

The 16 items of public feedback from document [L2/25-220](#) that are in this section were reviewed and discussed by the WG, and for convenience, the following data files, which are PDF attachments, include the recommended Unihan database additions, changes, and removals based on them, along with the recommended UAX #45 *USourceData.txt* data file changes:

- *kMandarin-changes-20251010.txt*
- *NamesList-20251010.txt*
- *Unihan_IRGSources-additions-20251010.txt*
- *Unihan_IRGSources-changes-20251010.txt*
- *Unihan-additions-20251010.txt*
- *USource-changes-20251010.txt*

With the exception of the proposed *kMandarin* property value changes, the recommended Unihan database additions, changes, and removals, along with the recommended UAX #45 *USourceData.txt* data file changes, are also shown inline, following the **Recommendations**.

01) ID20250716231648

Date/Time: Wed July 16 23:16:48 PT 2025

ReportID: ID20250716231648

Name: wwzrh

Report Type: Report Error in Publication/Data

Opt Subject: 关于Unihan_Readings中kMandarin读音问题

<https://www.unicode.org/reports/tr38/tr38-38.html> Modifications

Proposed Update Unicode Standard Annex 38

Unicode Han Database (Unihan)

Unicode 17.0.0

关于Unihan_Readings中kMandarin读音:

查对《通用规范汉字字典》[商务印书馆]2013、《新华字典》(第12版)[商务印书馆]2021、《现代汉语词典》[商务印书馆](2016_第7版)、《现代汉语规范词典》[语文出版社](2022_第4版)

V17.0.0中Unihan_Readings中kMandarin读音建议改为:

U+54BA 𠵹 xuǎn 建议改为: xuān

U+5594 囁 ō 建议改为: wō

U+574B 𡗗 bèn 建议改为: fèn

U+57E4 埤 pí 建议改为: pì

U+5895 塢 yàn 建议改为: yān

U+5B1B 嫵 huán 建议改为: xuān

U+5B56 孖 mā 建议改为: zī

U+5D74 嶠 jǐ 建议改为: jí

U+5FD2 忒 tè 建议改为: tēi

U+6014 怔 zhēng 建议改为: zhèng

U+696F 楯 dùn 建议改为: shǔn

U+6DB4 漣 wò 建议改为: yuān

U+6E51 湑 xū 建议改为: xù

U+6EE7 潑 yáo 建议改为: xiào

U+70FB 𤇗 yàn 建议改为: shān

U+752F 甯 níng 建议改为: nìng

U+753A 町 tǐng 建议改为: dīng

U+756C 畚 shē 建议改为: yú

U+7854 碣 hóng 建议改为: gǒng

U+787F 硿 kōng 建议改为: kòng

U+78CF 礧 lián 建议改为: qiān

U+7E47 繇 yáo 建议改为: yóu

U+7EE8 緋 tí 建议改为: tì

U+8274 𦨭 fú 建议改为: bó

U+84C2 莫 míng 建议改为: mì

U+9062 邋 ta 建议改为: tā

Comments: The WG reviewed and discussed this feedback, which are *kMandarin* property value changes that the CLDR-TC will first need to vet before the UTC can accept them. For reference, below are the readings that appear in 通用规范汉字表 (*Tōngyòng Guīfàn Hànzìbiǎo*; aka TGH 2013) if they differ from the suggested changes:

U+54BA 囁 xuān, xuǎn
U+57E4 埤 pí, pì
U+5895 塢 yān, yàn
U+5B1B 嫖 huán, xuān
U+5B56 孖 mā, zī
U+5FD2 忒 tè, tuī
U+6014 怔 zhēng, zhèng
U+696F 楯 dùn, shǔn
U+6DB4 浣 wǎn, wò, yuān
U+6E51 涓 xǔ, xù
U+70FB 埏 shān, yàn
U+753A 町 dīng, tǐng
U+756C 畚 shē, yú
U+787F 硃 kōng, kòng
U+78CF 礲 lián, qiān
U+7E47 繇 yáo, yóu, zhòu
U+7EE8 涕 tí
U+8274 艸 fú
U+84C2 莫 mì, míng
U+9062 邋 ta

Furthermore, the following *kMandarin* property value changes were made per UTC Consensus [178-C22](#):

U+574B 垧 bèn fèn
U+696F 楯 dùn shǔn
U+753A 町 tǐng dīng
U+756C 畚 shē yú
U+9062 邋 ta

Among the above five cases, only the *kMandarin* property value of U+9062 邋 should need to be revisited. This particular ideograph is used in the word 邋邋 whose reading is *lā·ta*. The WG believes that its current *kMandarin* property value, *ta*, is really *·ta*, which is treated as tone sandhi, meaning that its actual tone is contextual. Given CLDR's extensive use of this property, the WG hesitates to recommend a syntax change to accommodate the use of U+00B7 · MIDDLE DOT, so either its *kMandarin* property value should be changed to *tā* as recommended in the feedback (also see the entry for U+9062 邋 on page 18 of document [L2/23-269](#)) or we explicitly choose not to indicate tone sandhi.

Recommendations: The WG recommends to the UTC the following disposition ⇒

Action Item for Sharon Chen, CJK: Ask the CLDR-TC to check the proposed *kMandarin* property value changes, then report back to the UTC. See feedback [ID20250716231648] in document L2/25-220 and Section 01 of document L2/25-231.

Action Item for Ken Lunde, CJK: Convey to the feedback submitter the CJK & Unihan Working Group comments in Section 01 of document L2/25-231. See feedback [ID20250716231648] in document L2/25-220.

02) ID20250718232215

Date/Time: Fri July 18 23:22:15 PT 2025

ReportID: ID20250718232215

Name: wwzrh

Report Type: Report Error in Publication/Data

Subject: V17.0 Unihan中U+275C8 (𪚩) kMandarin错误

```
# Unihan_Readings.txt
```

日期: 2025-04-25 00:00:00 GMT [吉隆坡]

```
# Unicode 版本 17.0.0
```

查阅《汉语大字典》U+275C8 (𪔐) kMandarin错误:

U+275C8 k普通话 “n”读音应为“nú” (孥)

Comments: The WG reviewed and discussed this feedback, and noted that this particular case is already covered in PRI #483 feedback [ID20240222004423](#), and is associated with UTC Action Item [179-A17](#) that is assigned to Sharon Chen and the CLDR-TC, which is still in progress. In other words, no UTC action is necessary other than to convey to the feedback submitter the comments in this section.

Recommendations: The WG recommends to the UTC the following disposition ➡

Action Item for Ken Lunde, CJK: Convey to the feedback submitter the CJK & Unihan Working Group comments in Section 02 of document L2/25-231. See feedback [ID20250718232215] in document L2/25-220.

03) ID20250824122651

Date/Time: Sun Aug 24 12:26:51 PT 2025

ReportID: ID20250824122651

Name: Michel Mariani

Report Type: Report Error in Publication/Data

Subject: [Unihan/CJK] Incorrect representative glyph

In the code charts for Versions 6.1 through 17.0 of the Unicode Standard, the T-source representative glyph TC-3B23 for U+2AA90 is 𪛗 (duplicate of U+8654) but was actually 𪛗𪛗 before Unicode 6.1.

Local Font	G-Source	H-Source	T-Source	J-Source	K-Source	KP-Source	V-Source
虔 U+8654	虔 G0-722F	虔 HB1-B040	虔 T1-5825	虔 J0-694A	虔 K0-4B73	虔 KP0-CEDA	虔 V1-656D
虔 U+2AA90			虔 TC-3B23				
Local Font	G-Source	H-Source	T-Source	J-Source	K-Source	KP-Source	V-Source

If this duplication is deemed incorrect, then the glyph for U+2AA90 should probably be reverted to its Unicode 6.0 version, otherwise its kRSUnicode property value should be updated:

U+2AA90 kRSUnicode 53.6

would be:

U+2AA90 kRSUnicode 141.4

Comments: The WG reviewed and discussed this feedback, which was forwarded to TCA on 2025-08-26. TCA responded on 2025-08-29 to confirm that this is indeed a T-source representative glyph error. Its correction is included in document IRG N2880 (see Section 34 of this document). No UTC action is necessary other than to convey to the feedback submitter the comments in this section.

Recommendations: The WG recommends to the UTC the following disposition ➡

Action Item for Ken Lunde, CJK: Convey to the feedback submitter the CJK & Unihan Working Group comments in Section 03 of document L2/25-231. See feedback [ID20250824122651] in document L2/25-220.

04) ID20250903174924

Date/Time: Wed Sept 03 17:49:24 PST 2025

ReportID: ID20250903174924

Name: Eiso Chan

Report Type: Error Report

Opt Subject: UAX 45

There are some characters of UAX #45 have been encoded, so the following entries should be updated accordingly in USourceData file.

UTC-00794;ExtB;U+20B24;29.3;;;WL EFD1;;;

UTC-00804;ExtH;U+31F00;36.1;;;WL EFDC;;;

UTC-00805;ExtB;U+248E9;96.-1;;王;WL EF84;;;

UTC-00810;ExtB;U+27FB7;157.0;;;WL EF76;;;

UTC-00814;ExtB;U+20089;4.1;;;WL EFF6;;;

UTC-00822;UTC-00077;U+9FB4;3.1;;;WL EFF4;;;

UTC-00823;UTC-00079;U+9FB6;1.3;;;WL EFE3;;;

UTC-00824;UTC-00080;U+9FB7;1.3;;;WL EFE0;;;

UTC-00829;ExtB;U+201A2;9.0;;;WL EFA2;;;

On the other hand, UTC could do the horizontal extensions for U+20089 (UTC-00814), U+201A2 (UTC-00829), U+20B24 (UTC-00794), U+248E9 (UTC-00805), U+27FB7 (UTC-00810), U+31F00 (UTC-00804) in future.

Comments: The WG reviewed and discussed this feedback, and agreed that the changes to the UAX #45 records are appropriate, but that IDS, total strokes, and first residual stroke values could be improved or added as appropriate. The WG also noted that corresponding changes should also be made to the records for UTC-00077, UTC-00079, and UTC-00080 whose data should be synchronized with those of UTC-00822, UTC-00823, and UTC-00824, respectively. These UAX #45 changes, along with the suggested six-ideograph horizontal extension, should be targeted for Unicode Version 18.0.

The table below constitutes a proposal to horizontally extend U+20089 亅, U+201A2 人, U+20B24 𠂇, U+248E9 𠂇, U+27FB7 𠂇, and U+31F00 夕 by adding *kIRG_USource* property values and U-source representative glyphs:

Code Point	Code Chart Excerpt—Version 17.0	U-Source	
		Source Reference	Representative Glyph
U+20089	20089 亅 4.1 GU-20089 J4-2121 VN-20089	UTC-00814	亅
U+201A2	201A2 人 9.0 J4-2136	UTC-00829	人
U+20B24	20B24 𠂇 29.3 GHZR-10428.02 VN-20B24	UTC-00794	𠂇
U+248E9	248E9 𠂇 96.0 T5-214C JMJ-040931 H-8BD6	UTC-00805	𠂇
U+27FB7	27FB7 𠂇 157.0 J4-7939 VN-27FB7	UTC-00810	𠂇
U+31F00	31F00 夕 130.0 SAT-05603	UTC-00804	夕

Recommendations: The WG recommends to the UTC the following disposition ⇨

Consensus: Accept the proposal to horizontally extend U+20089, U+201A2, U+20B24, U+248E9, U+27FB7, and U+31F00 by adding new normative *kIRG_USource* property values, based on

feedback [ID20250903174924] in document L2/25-220 and Section 04 of document L2/25-231, for Unicode Version 18.0.

Action Item for Michel Suignard, CJK: Update ISO/IEC 10646's CJKSrc.txt data file to add new kIRG_USource property values to U+20089, U+201A2, U+20B24, U+248E9, U+27FB7, and U+31F00, based on feedback [ID20250903174924] in document L2/25-220 and Section 04 of document L2/25-231, and provide to Ken Lunde a Unihan18.txt data file, for Unicode Version 18.0.

Action Item for Ken Lunde, CJK: Use the Unihan18.txt data file to update the Unihan database to add new kIRG_USource property values to U+20089, U+201A2, U+20B24, U+248E9, U+27FB7, and U+31F00, based on feedback [ID20250903174924] in document L2/25-220 and Section 04 of document L2/25-231, for Unicode Version 18.0.

Action Item for Ken Lunde, CJK: Update the UAX #45 data file to reflect the changes to the records for UTC-00077, UTC-00079, UTC-00080, UTC-00794, UTC-00804, UTC-00805, UTC-00810, UTC-00814, UTC-00822, UTC-00823, UTC-00824, and UTC-00829, based on feedback [ID20250903174924] in document L2/25-220, and as amended in Section 04 of document L2/25-231, for Unicode Version 18.0.

Action Item for Ken Lunde, CJK: Update the UAX #45 TrueType font to map U+20089, U+201A2, U+20B24, U+248E9, U+27FB7, and U+31F00 to the glyphs for UTC-00814, UTC-00829, UTC-00794, UTC-00805, UTC-00810, and UTC-00804 respectively, then provide the updated UAX #45 TrueType font to Michel Suignard and the Charts Working Group, based on feedback [ID20250903174924] in document L2/25-220 and Section 04 of document L2/25-231, for Unicode Version 18.0.

Current—USourceData.txt:

```
UTC-00077;URO;U+9FB4;5.1;;;GB18030-2000;;2;4
UTC-00079;URO;U+9FB6;2.3;;;GB18030-2000;;4;
UTC-00080;URO;U+9FB7;2.3;;;GB18030-2000;;5;1
UTC-00794;Rejected;;29.3;;罊;WL EFD1;;;
UTC-00804;Rejected;;36.1;;肉;WL EFDC;;;
UTC-00805;Rejected;;96.-1;;王;WL EF84;;;
UTC-00810;Rejected;;157.0;;𠂔;WL EF76;;;
UTC-00814;Rejected;;4.1;;𠂔;WL EFF6;;;
UTC-00822;Rejected;;3.1;;;WL EFF4;;;
UTC-00823;Rejected;;1.3;;;WL EFE3;;;
UTC-00824;Rejected;;1.3;;;WL EFE0;;;
UTC-00829;Rejected;;9.0;;人;WL EFA2;;;
```

Adjusted—USourceData.txt:

```
UTC-00077;URO;U+9FB4;3.1;;𠂔、;GB18030-2000;;2;4
UTC-00079;URO;U+9FB6;32.1;;𠂔土一;GB18030-2000;;4;1
UTC-00080;URO;U+9FB7;140.1;;𠂔廿一;GB18030-2000;;5;1
UTC-00794;ExtB;U+20B24;29.3;;𠂔又丰;WL EFD1;;5;1
UTC-00804;ExtH;U+31F00;36.1;;𠂔夕、;WL EFDC;;4;3
UTC-00805;ExtB;U+248E9;96.-1;;𠂔;WL EF84;;4;0
UTC-00810;ExtB;U+27FB7;157.0;;𠂔口止;WL EF76;;7;0
UTC-00814;ExtB;U+20089;4.1;;𠂔ノ一;WL EFF6;;2;1
UTC-00822;UTC-00077;U+9FB4;3.1;;𠂔、;WL EFF4;;2;4
UTC-00823;UTC-00079;U+9FB6;32.1;;𠂔土一;WL EFE3;;4;1
UTC-00824;UTC-00080;U+9FB7;140.1;;𠂔廿一;WL EFE0;;5;1
UTC-00829;ExtB;U+201A2;9.0;;𠂔;WL EFA2;;2;0
```

New:

U+20089	kIRG_USource	UTC-00814
U+201A2	kIRG_USource	UTC-00829
U+20B24	kIRG_USource	UTC-00794
U+248E9	kIRG_USource	UTC-00805
U+27FB7	kIRG_USource	UTC-00810
U+31F00	kIRG_USource	UTC-00804

05) ID20250908072214

Date/Time: Mon Sep 08 07:22:14 PDT 2025

ReportID: ID20250908072214

Name: Ken Lunde

Report Type: Error report

Opt Subject: Additional kRSUnicode property values

Add the following as secondary kRSUnicode property values:

U+2D1DD: 46.5

U+301FF: 151.5

U+31465: 154'.5

U+32515: 29.5

U+32517: 33.5

U+32518: 32.5

U+32522: 140.5

U+32525: 82.5

U+32527: 67.5

U+32549: 132.5

Comments: The WG reviewed and discussed this feedback, and agreed that these are reasonable second *kRSUnicode* property values that will aid in discoverability, with Unicode Version 18.0 being the target.

Recommendations: The WG recommends to the UTC the following disposition ⇒

Consensus: Accept the proposal to change the informative kRSUnicode property values of 10 ideographs, based on feedback [ID20250908072214] in document L2/25-220 and Section 05 of document L2/25-231, for Unicode Version 18.0.

Action Item for Michel Suignard, CJK: Update ISO/IEC 10646's CJKSrc.txt data file to change the kRSUnicode property values of 10 ideographs, based on feedback [ID20250908072214] in document L2/25-220 and Section 05 of document L2/25-231, and provide to Ken Lunde a Unihan18.txt data file, for Unicode Version 18.0.

Action Item for Ken Lunde, CJK: Use the updated Unihan18.txt data file to update the Unihan database, based on feedback [ID20250908072214] in document L2/25-220 and Section 05 of document L2/25-231, for Unicode Version 18.0.

Current:

U+2D1DD	kRSUnicode	30.5
U+301FF	kRSUnicode	30.9
U+31465	kRSUnicode	28.7
U+32515	kRSUnicode	30.4
U+32517	kRSUnicode	30.5
U+32518	kRSUnicode	30.5
U+32522	kRSUnicode	30.6
U+32525	kRSUnicode	30.6
U+32527	kRSUnicode	30.6
U+32549	kRSUnicode	30.8

Adjusted:

U+2D1DD	kRSUnicode	30.5	46.5
U+301FF	kRSUnicode	30.9	151.5
U+31465	kRSUnicode	28.7	154'.5
U+32515	kRSUnicode	30.4	29.5
U+32517	kRSUnicode	30.5	33.5
U+32518	kRSUnicode	30.5	32.5
U+32522	kRSUnicode	30.6	140.5
U+32525	kRSUnicode	30.6	82.5
U+32527	kRSUnicode	30.6	67.5
U+32549	kRSUnicode	30.8	132.5

06) ID20250909205437

Date/Time: Tue Sep 09 20:54:37 PST 2025

ReportID: ID20250909205437

Name: Brian Guo

Report Type: Error Report

Opt Subject: Wrong radical in 995F 饌

The character 995F 饌 has two radicals listed: 食 184.17 and 馬 187.17. The latter is clearly an error.

995F	饌	饌	饌	饌	饌	饌
食 184.17 馬 187.17	GE-546A	HB2-F959	T2-7148	J14-7C6A	K2-6E54	KP1-8921

Comments: The WG reviewed and discussed this feedback, and noted that it is virtually identical to feedback ID20250909213548 in document L2/25-220, which is covered in Section 07 of this document. No UTC action is necessary other than to convey to the feedback submitter the comments in this section.

Recommendations: The WG recommends to the UTC the following disposition ➡

Action Item for Ken Lunde, CJK: Convey to the feedback submitter the CJK & Unihan Working Group comments in Section 06 of document L2/25-231. See feedback [ID20250909205437] in document L2/25-220.

07) ID20250909213548

Date/Time: Tue Sep 09 21:35:48 PST 2025

ReportID: ID20250909213548

Name: Eiso Chan

Report Type: Error Report

Opt Subject: RS values for U+995F

The *kRSUnicode* property value for U+995F 𪛗 is "184.17 187.17", The second one was added since Unicode, 16.0.0.

John Jenkins suggested adding the second one in L2/23-059 (p. 4), but he showed the form of the character is 𪛗, not 𪛗.

U+995F	𪛗	真 184.17	馬 187.17
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This suggestion had been accepted in CJK & Unihan WG meeting for UTC #175. See Section 22 of L2/23-082 (p. 31).

It looks a typo. This suggestion is cited from 《商務新字典》.

I suggested removing the second one tentatively. I will try to check this issue in 《商務新字典》 when I have the chance.

Comments: The WG reviewed and discussed this feedback, and agreed that the addition of 187.17 as a second *kRSUnicode* property value of U+995F 𪛗 per document [L2/23-059](#) was indeed an error. Upon checking the actual source, 商務新字典, the WG found no evidence of classifying this ideograph under Radical #187 (馬 or *horse*). Below is an excerpt from page 783 of 商務新字典 with the entry for U+995F 𪛗 highlighted:

12 饌 同‘膳’，見 561 頁。

13 饗 (yōng ㄩㄥ) 粵 jug¹ [翁] ① 熟食。② 早飯：～餐不繼(吃了上頓沒有下頓)。

13 饗 (tāo ㄊㄠ) 粵 tou¹ [滔] [饗] 饗] 古代傳說中的一種凶惡的獸，古代銅器上多刻它的頭部形狀作裝飾。① 凶惡的人。2. 貪吃的人。

13 饗 (饗) (zhān ㄓㄢ) 粵 dzin¹ [煎] 稠粥。

13 饗 同‘饗’，見 782 頁。

14 饗 (饗) (yàn ㄧㄢˋ) 粵 jim³ [厭] 吃飽。④ 滿足。

16 饗 同‘饗’，見 782 頁。

17 饗 (饗) (chán ㄔㄢˊ) 粵 tsam⁴ [慚] ① 貪吃，專愛吃好的：嘴～。～涎欲滴。② 貪，羨慕：眼～。

17 饗 同‘餉’，見 779 頁。

22 饗 (饗) ㊦ (nǎng ㄋㄤˇ) 粵 nɔŋ⁵ [囊] 拼命地往嘴裏塞食物。
㊦ (náng ㄋㄤˊ) 粵 nɔŋ⁴ [囊] (雜) 一種烤製成的麪餅。

首部

0 首 (shǒu ㄕㄡˇ) 粵 seu² [手] ① 頭，腦袋：昂～。～飾。
④ 初始，開端：篇～。歲～。[首領] ⑤ 某些團體等的主腦人物。② 領導的人，帶頭的：～長。罪魁禍～。③ 第一，最高的：～要人物。～席代表。④ 最先，最早：～次。～創。⑤ 出頭告發：自～。出～。⑥ 量詞，指詩歌：一～詩。

2 馘 (kuí ㄎㄨㄟˊ) 粵 kwei⁴ [葵] ① 同‘達’。通各方的道路。
② 用於人名。[鍾馘] 傳說中能捉鬼驅邪的人。

8 馘 ㊦ (guó ㄍㄨㄛˊ) 粵 gwok⁸ [國] 古代戰爭中割取敵人的左耳以計數獻功。
㊦ (xù ㄒㄩˋ) 粵 gwik⁷ [隙] 臉。

香部

0 香 (xiāng ㄒㄩㄤ) 粵 hœŋ¹ [鄉] ① 氣味好聞，跟‘臭’相反：～花。～水。～皂。② 1. 舒服：睡得～。吃得真～。2. 受歡迎：這種貨物現在很～。③ 食物味道好：飯很～。④ 稱

Recommendations: The WG recommends to the UTC the following disposition ⇒

Consensus: Accept the proposal to remove “187.17” from the informative kRSUnicode property value of U+995F, based on feedback [ID20250909213548] in document L2/25-220 and Section 07 of document L2/25-231, for Unicode Version 18.0.

Action Item for Michel Suignard, CJK: Update ISO/IEC 10646’s CJKSrc.txt data file to remove “187.17” from the kRSUnicode property value of U+995F, based on feedback [ID20250909213548] in document L2/25-220 and Section 07 of document L2/25-231, and provide to Ken Lunde a Unihan18.txt data file, for Unicode Version 18.0.

Action Item for Ken Lunde, CJK: Use the updated Unihan18.txt data file to update the Unihan database, based on feedback [ID20250909213548] in document L2/25-220 and Section 07 of document L2/25-231, for Unicode Version 18.0.

Current:

U+995F	kRSUnicode	184.17	187.17
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Adjusted:

U+995F	kRSUnicode	184.17
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08) ID20250916223143

Date/Time: Tue Sep 16 22:31:43 PT 2025

ReportID: ID20250916223143

Name: Eiso Chan

Report Type: Report Error in Publication/Data

Opt Subject: Annotations for U+2F81D and U+2F82D

In IRG N2778, TCA requested to move T5-2129 to U+20674 and modify the T glyph for U+2F81D. Currently, the glyphs for U+20674 and U+2F81D are the same. TCA also requested to move T6-2F38 to U+20161 and modify the T glyph for U+2F82D. Currently, the glyphs for U+20161 and U+2F82D are the same.

Suggest updating the Name List as below.

2F81D CJK COMPATIBILITY IDEOGRAPH-2F81D

x 20674

: 51F5

2F82D CJK COMPATIBILITY IDEOGRAPH-2F82D

x 20161

: 5351

Comments: The WG reviewed and discussed this feedback, and agreed that these are reasonable additions to the UCD's *NamesList.txt* data file. The WG noted that the following four pairs also share the same T-source representative glyph, so they should also be given similar treatment:

U+2F85D & U+21587

U+2F92B & U+248FD

U+2F97E & U+2659D

U+2F9A4 & U+26D06

The WG further noted that the two pairs, U+2F9CB/U+4695 and U+2F9D6/U+25AD4, also share the same T-source representative glyphs, but they already have such *NamesList.txt* annotations that were added in Unicode Version 4.0 (2003):

2F9CB CJK COMPATIBILITY IDEOGRAPH-2F9CB

x 4695

: 278AE

2F9D6 CJK COMPATIBILITY IDEOGRAPH-2F9D6

x 25AD4

: 8D1B

The WG recommends that these *NamesList.txt* data file annotations be targeted for Unicode Version 18.0.

Recommendations: The WG recommends to the UTC the following disposition ➡

Action Item for Ken Whistler, PAG: Update the UCD's NamesList.txt data file by adding annotations to U+2F81D, U+2F82D, U+2F85D, U+2F92B, U+2F97E, and U+2F9A4, based on feedback [ID20250916223143] in document L2/25-220, and as amended in Section 08 of document L2/25-231, for Unicode Version 18.0.

Current:

2F81D	CJK COMPATIBILITY IDEOGRAPH-2F81D : 51F5
2F82D	CJK COMPATIBILITY IDEOGRAPH-2F82D : 5351
2F85D	CJK COMPATIBILITY IDEOGRAPH-2F85D : 591A
2F92B	CJK COMPATIBILITY IDEOGRAPH-2F92B : 73A5
2F97E	CJK COMPATIBILITY IDEOGRAPH-2F97E : 265A8
2F9A4	CJK COMPATIBILITY IDEOGRAPH-2F9A4 : 26C36

Adjusted:

2F81D	CJK COMPATIBILITY IDEOGRAPH-2F81D x 20674 : 51F5
2F82D	CJK COMPATIBILITY IDEOGRAPH-2F82D x 20161 : 5351
2F85D	CJK COMPATIBILITY IDEOGRAPH-2F85D x 21587 : 591A
2F92B	CJK COMPATIBILITY IDEOGRAPH-2F92B x 248FD : 73A5
2F97E	CJK COMPATIBILITY IDEOGRAPH-2F97E x 2659D : 265A8
2F9A4	CJK COMPATIBILITY IDEOGRAPH-2F9A4 x 26D06 : 26C36

09) ID20250924032615

Date/Time: Wed Sep 24 03:26:15 PT 2025

ReportID: ID20250924032615

Name: M

Report Type: General Feedback

Opt Subject: Variant Suggestion for Unihan Data

Since these are

U+3A41 推 zVariant U+6409 推

U+6409 推 zVariant U+3A41 推

I think these should be too
U+5BC9 隹 zVariant U+96BA 隹
U+96BA 隹 zVariant U+5BC9 隹

Comments: The WG reviewed and discussed this feedback, and agreed that U+5BC9 隹 and U+96BA 隹 are reasonable additions to the provisional *kZVariant* property (though the actual characters provided in the feedback are incorrect). The WG recommends that these UniHan database adjustments be targeted for Unicode Version 18.0.

Recommendations: The WG recommends to the UTC the following disposition ⇒

Action Item for Ken Lunde, CJK: Update the UniHan database to add new *kZVariant* property values to U+5BC9 and U+96BA, based on feedback [ID20250924032615] in document L2/25-220 and Section 09 of document L2/25-231, for Unicode Version 18.0.

Action Item for Josh Hadley, Roozbeh Pournader, PAG: Add U+5BC9 and U+96BA as a new confusable pair, based on feedback [ID20250924032615] in document L2/25-220 and Section 09 of document L2/25-231, for a future version of the standard.

Action Item for Ken Lunde, CJK: Convey to the feedback submitter the CJK & UniHan Working Group comments in Section 09 of document L2/25-231. See feedback [ID20250924032615] in document L2/25-220.

New:

U+5BC9	kZVariant	U+96BA
U+96BA	kZVariant	U+5BC9

10) ID20250925115604

Date/Time: Thu Sep 25 11:56:04 PT 2025

ReportID: ID20250925115604

Name: Philippe Verdy

Report Type: Report Error in Publication/Data

Opt Subject: U+4724 - kstrokes=13 should be 9

U+4724 (诨) is the simplified version of U+9FC1 (誨); both are sorted as radical 149 (simplified in the first ideograph), with 6 residual strokes.

But both display *kTotalStrokes*=13 which is correct only for the traditional U+9FC1.

<https://www.unicode.org/cgi-bin/GetUniHanData.pl?codepoint=4724> (诨)

<https://www.unicode.org/cgi-bin/GetUniHanData.pl?codepoint=9FC1> (誨)

For the simplified U+4724, it should be *kTotalStrokes*=9 (with 4 strokes removed from the radical to use its simplified variant instead of the Kangxi variant)

This is an old bug in UniHan data for U+4724. Does the IRC has methods to check and review the strokes counts, notably for CJK characters that are encoded since long (like here in the first extension-A) ?

I have other inconsistent *kTotalStrokes* for various other ideographs that have been encoded in the past, notably because they mixed the stroke count from

the basic (traditional) Kangxi radical with the stroke count of the extended (simplified) radical, and computed a wrong total.

Additional feedback:

Note that i made an error, this should be probably 8, not 9, according to the standard stroke count of the extended radical, but in fact some variants where the z shaped stroke may be drawn as two strokes. Anyway such error occurs generally with ideographs whose radical is an extended radical and not a Kangxi radical. In Unicode charts these are indicated by one or more single quotes after the base Kangxi radical.

And frequently in that case there is a confusion between these radicals, and it really seems that `kTotalStrokes` were computed algorithmically using an incorrect assumption about the radical stroke count, by just adding the residual strokes to the Kangxi radical strokes.

I know also that `kTotalStrokes` is informative, not normative. But i also know that the IRG is working to add a new property for the first stroke, which is for now provisional and only present in the recently encoded ideographs. However i found also incoherent `kTotalStrokes` also in the latest CJK extension J in Unicode 17.0.

Such corrections for `kTotalStrokes` should not affect radical-stroke-index collation order, unlike the recently added provisional first stroke, which is still not usable for now in collation keys using the bit pattern described in the Unicode annex about it.

So even if this takes time to check again `kTotalStrokes` on all existing ideographs, at least you should start by those encoded using an extended non-Kangxi radical whose strokes count is different from base Kangxi radicals.

Comments: The WG reviewed and discussed this feedback, and noted that incorrect `kTotalStrokes` property values is a completely known issue, and that the IRG already has a long-term plan to adjust `kTotalStrokes` property values accordingly. The WG agreed that it is reasonable to correct the `kTotalStrokes` property value for U+4724 讲, which should be targeted for Unicode Version 18.0.

Recommendations: The WG recommends to the UTC the following disposition ➡

Consensus: Accept the proposal to change the informative `kTotalStrokes` property value of U+4724 from 13 to 8, based on feedback [ID20250925115604] in document L2/25-220 and Section 10 of document L2/25-231, for Unicode Version 18.0.

Action Item for Michel Suignard, CJK: Update ISO/IEC 10646's CJKSrc.txt data file to change the informative `kTotalStrokes` property value of U+4724 from 13 to 8, based on feedback [ID20250925115604] in document L2/25-220 and Section 10 of document L2/25-231, and provide to Ken Lunde a UniHan18.txt data file, for Unicode Version 18.0.

Action Item for Ken Lunde, CJK: Use the updated UniHan18.txt data file to update the UniHan database, based on feedback [ID20250925115604] in document L2/25-220 and Section 10 of document L2/25-231, for Unicode Version 18.0.

Action Item for Ken Lunde, CJK: Convey to the feedback submitter the CJK & Unihan Working Group comments in Section 10 of document L2/25-231. See feedback [ID20250925115604] in document L2/25-220.

Current:

U+4724	kTotalStrokes	13
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Adjusted:

U+4724	kTotalStrokes	8
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11) ID20250929183457

Date/Time: Mon Sept 29 18:34:57 PT 2025

ReportID: ID20250929183457

Name: Michel Mariani

Report Type: Report Error in Publication/Data

Opt Subject: [Unihan/CJK] List of KP-Source Mappings

Based on morphological considerations, the following entries could be added to the current list of KP-source suboptimal mappings in UTN #50:

Source Reference	Current	Better	Notes
KP0-CDA9	U+5609 嘉	U+2B158 嘉	Mentioned in 23041-kp-alpha-review.pdf, suggesting that U+2B158 should actually be reverted to its glyph before Unicode 6.1: 𪛗 茄
KP1-4AD6	U+23402 𪛗	U+233CB 𪛗	Especially relevant since the recent JMJ horizontal extension
KP1-8852	U+9907 飼	U+296B1 飼	Possible component error (confusion): 同 vs. 同
KP1-8FF5	U+2A279 𪛗	U+400B 𪛗	Layout difference: 𪛗①𪛗②③ • 𪛗①②③

Comments: The WG reviewed and discussed this feedback, and recommends the following disposition:

- For KP0-CDA9, remind TCA to correct the T-source representative glyph of U+2B158 嘉 with a reference to Section 1 of document [IRG N2519](#) (Sim). As noted in feedback ID20250824122651 in Section 03 of this document, the T-source representative glyph issue for U+2AA90 虔 in Section 2 of document IRG N2519 is being fixed via document IRG N2880 that is covered in Section 34 of this document.
- For KP1-4AD6 and KP1-8FF5, new entries were added to the first table in [UTN #50 Version 4](#) (published on 2025-10-04).
- For KP1-8852, document L2/25-222 (Sim) that is covered in Section 21 of this document proposes to move KP1-8852 from U+9907 飼 to U+296B1 飼.

Recommendations: The WG recommends to the UTC the following disposition ⇒

Action Item for Ken Lunde, CJK: Remind TCA to correct the T-source representative glyph of U+2B158, based on feedback [ID20250929183457] in document L2/25-220 and Section 11 of document L2/25-231.

Action Item for Ken Lunde, CJK: Convey to the feedback submitter the CJK & Unihan Working Group comments in Section 11 of document L2/25-231. See feedback [ID20250929183457] in document L2/25-220.

12) ID20251004044416

Date/Time: Sat Oct 04 04:44:16 PT 2025

ReportID: ID20251004044416

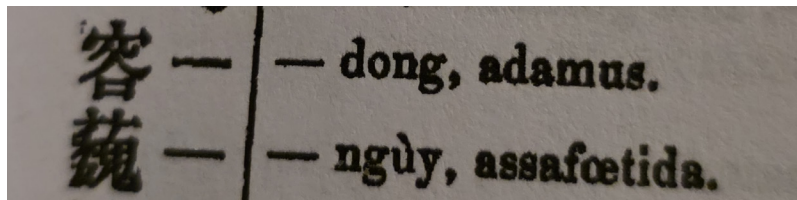
Name: Leah Hicks

Report Type: Report Error in Publication/Data

Opt Subject: kVietnamese value for 藜 is missing

Dear Consortium,

I have located the Vietnamese pronunciation of this character 藜 U+8636 in the book *Dictionarium Anamitico-Latinum*: *ngũy*. Please see image below for evidence. Apologies if this is the incorrect method for suggesting character edits, please let me know if there is another way.



Sincerely,

Leah Hicks

Comments: The WG reviewed and discussed this feedback, and noted that this ideograph lacks a *kIRG_VSource* (aka V-source) property value, which gave pause. Upon checking the latest version of the Unihan database, only the following 21 ideographs have a *kVietnamese* property value, but lack a *kIRG_VSource* one:

U+3C19	kVietnamese	nặng
U+43F4	kVietnamese	teo
U+4443	kVietnamese	mông
U+564F	kVietnamese	hấp
U+6174	kVietnamese	tiếp điệp
U+62D4	kVietnamese	bạt
U+633C	kVietnamese	nhôi noa noi nôi nổi nổi nổi nuôi
U+633F	kVietnamese	thọc
U+6492	kVietnamese	tát
U+6BBC	kVietnamese	xác
U+6BC0	kVietnamese	huỷ
U+6D9E	kVietnamese	thui
U+6E95	kVietnamese	trùng trụng
U+6F11	kVietnamese	ngấy
U+7130	kVietnamese	diễm
U+7353	kVietnamese	ngao ngáo
U+7968	kVietnamese	phiếu
U+7A0A	kVietnamese	đề thê
U+7B53	kVietnamese	kê

U+83EB	kVietnamese	ngắn
U+96CC	kVietnamese	thư

After consulting with Vietnam, their representative indicated that this ideograph will be included as part of their forthcoming 9,000-ideograph horizontal extension. Vietnam's representative furthermore indicated that the tone mark placement in the public feedback does not follow the newer orthography that places the tone mark on the main vowel, meaning that *nguyễn* would be the preferred property value. The WG therefore recommends that we do not add a *kVietnamese* property value to U+8636 巍 at this time, based on the understanding that Vietnam will submit a large batch of *kVietnamese* property values in conjunction with their forthcoming horizontal extension.

In addition, Vietnam indicated that among the 21 ideographs have a *kVietnamese* property value, but lack a *kIRG_VSource* one, all except for U+6E95 涿 will be included in said horizontal extension. The *kVietnamese* property value of U+6E95 涿 will be removed, and will instead be assigned to U+23E5E 涿 that already has a *kIRG_VSource* property value.

Recommendations: The WG recommends to the UTC the following disposition ➡

Action Item for Ken Lunde, CJK: Convey to the feedback submitter the CJK & Unihan Working Group comments in Section 12 of document L2/25-231. See feedback [ID20251004044416] in document L2/25-220.

13) ID20251007094419

Date/Time: Tue Oct 07 09:44:19 PT 2025

ReportID: ID20251007094419

Name: M

Report Type: Report Error in Publication/Data

Opt Subject: Variant Suggestion for Unihan Data

U+8EB1 kZVariant U+8EB2

U+8EB2 kZVariant U+8EB1

Comments: The WG reviewed and discussed this feedback, and agreed that U+8EB1 躲 and U+8EB2 躲 are reasonable additions to the provisional *kZVariant* property. The WG recommends that these Unihan database adjustments be targeted for Unicode Version 18.0.

Recommendations: The WG recommends to the UTC the following disposition ➡

Action Item for Ken Lunde, CJK: Update the Unihan database to add new *kZVariant* property values to U+8EB1 and U+8EB2, based on feedback [ID20251007094419] in document L2/25-220 and Section 13 of document L2/25-231, for Unicode Version 18.0.

Action Item for Josh Hadley, Roozbeh Pournader, PAG: Add U+8EB1 and U+8EB2 as a new confusable pair, based on feedback [ID20251007094419] in document L2/25-220 and Section 13 of document L2/25-231, for a future version of the standard.

Action Item for Ken Lunde, CJK: Convey to the feedback submitter the CJK & Unihan Working Group comments in Section 13 of document L2/25-231. See feedback [ID20251007094419] in document L2/25-220.

New:

U+8EB1	kZVariant	U+8EB2
U+8EB2	kZVariant	U+8EB1

14) ID20251007134830

Date/Time: Tue Oct 07 13:48:30 PT 2025

ReportID: ID20251007134830

Name: M

Report Type: Report Error in Publication/Data

Opt Subject: Variant Suggestion for Unihan Data

U+514C zVariant U+5151

U+5151 zVariant U+514C

Comments: The WG reviewed and discussed this feedback, and agreed that U+514C 兌 and U+5151 兂 are reasonable additions to the provisional *kZVariant* property. The WG recommends that these Unihan database adjustments be targeted for Unicode Version 18.0.

Recommendations: The WG recommends to the UTC the following disposition ➡

Action Item for Ken Lunde, CJK: Update the Unihan database to add new kZVariant property values to U+514C and U+5151, based on feedback [ID20251007134830] in document L2/25-220 and Section 14 of document L2/25-231, for Unicode Version 18.0.

Action Item for Josh Hadley, Roozbeh Pournader, PAG: Add U+514C and U+5151 as a new confusable pair, based on feedback [ID20251007134830] in document L2/25-220 and Section 14 of document L2/25-231, for a future version of the standard.

Action Item for Ken Lunde, CJK: Convey to the feedback submitter the CJK & Unihan Working Group comments in Section 14 of document L2/25-231. See feedback [ID20251007134830] in document L2/25-220.

New:

U+514C	kZVariant	U+5151
U+5151	kZVariant	U+514C

15) ID20251014110451

Date/Time: Tues Oct 14 11:04:51 PT 2025

ReportID: ID20251014110451

Name: Eiso Chan

Report Type: Report Error in Publication/Data

Opt Subject: RS for 鵠 U+26253

IRG discussed the RS issue for WS2024-03041:GCW-00191 鵠. <https://hc.jsecs.org/irg/ws2024/app/?id=03041>

IRG decided to use Rad. 𪗇 as the primary radical, and Rad. 𪗈 as the secondary radical.

The IRG experts hope to keep the RS rule consistent, so Rad. 𪗇 should be the primary radical and Rad. 𪗈 should be the secondary radical for 鵠 U+26253.

U+26253 kRSUnicode 196.6 121.11

Comments: The WG reviewed and discussed this feedback, and agreed that adding 196.6 as the first *kRSUnicode* property value of U+26253 鵠 is appropriate. The WG recommends that this Unihan database adjustment be targeted for Unicode Version 18.0.

Recommendations: The WG recommends to the UTC the following disposition ➡

Consensus: Accept the proposal to add “196.6” as the first informative *kRSUnicode* property value of U+26253, based on feedback [ID20251014110451] in document L2/25-220 and Section 15 of document L2/25-231, for Unicode Version 18.0.

Action Item for Michel Suignard, CJK: Update ISO/IEC 10646’s CJKSrc.txt data file to add “196.6” as the first *kRSUnicode* property value of U+26253, based on feedback [ID20251014110451] in document L2/25-220 and Section 15 of document L2/25-231, and provide to Ken Lunde a Unihan18.txt data file, for Unicode Version 18.0.

Action Item for Ken Lunde, CJK: Use the updated Unihan18.txt data file to update the Unihan database, based on feedback [ID20251014110451] in document L2/25-220 and Section 15 of document L2/25-231, for Unicode Version 18.0.

Current:

U+26253	kRSUnicode	121.11
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Adjusted:

U+26253	kRSUnicode	196.6 121.11
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16) ID20251014111126

Date/Time: Tues Oct 14 11:11:26 PT 2025

ReportID: ID20251014111126

Name: Eiso Chan

Report Type: Report Error in Publication/Data

Opt Subject: RS for U+2D04C 𪗇, U+2D051 𪗈, U+2D059 𪗉

IRG discussed WS2024-00324:VN-F2085 𪗇𪗈. <https://hc.jsecs.org/irg/ws2024/app/?id=00324>

IRG has confirmed the radical of the character with the left component 𪗇 should be 十 not 八.

U+2D04C kRSUnicode 24.7

U+2D051 kRSUnicode 24.9

U+2D059 kRSUnicode 24.12

Comments: The WG reviewed and discussed this feedback, and agreed that changing the *kRSUnicode* property values of U+2D04C 𪗇, U+2D051 𪗈, U+2D059 𪗉 to specify Radical #24

is appropriate. The WG recommends that these Unihan database adjustments be targeted for Unicode Version 18.0.

Recommendations: The WG recommends to the UTC the following disposition ➡

Consensus: Accept the proposal to change the informative *kRSUnicode* property values of U+2D04C, U+2D051, and U+2D059, based on feedback [ID20251014111126] in document L2/25-220 and Section 16 of document L2/25-231, for Unicode Version 18.0.

Action Item for Michel Suignard, CJK: Update ISO/IEC 10646's CJKSrc.txt data file to change the *kRSUnicode* property values of U+2D04C, U+2D051, and U+2D059, based on feedback [ID20251014111126] in document L2/25-220 and Section 16 of document L2/25-231, and provide to Ken Lunde a Unihan18.txt data file, for Unicode Version 18.0.

Action Item for Ken Lunde, CJK: Use the updated Unihan18.txt data file to update the Unihan database, based on feedback [ID20251014111126] in document L2/25-220 and Section 16 of document L2/25-231, for Unicode Version 18.0.

Current:

U+2D04C	<i>kRSUnicode</i>	12.7
U+2D051	<i>kRSUnicode</i>	12.9
U+2D059	<i>kRSUnicode</i>	12.12

Adjusted:

U+2D04C	<i>kRSUnicode</i>	24.7
U+2D051	<i>kRSUnicode</i>	24.9
U+2D059	<i>kRSUnicode</i>	24.12

UAX #38 / Unihan Database Documents

The five UTC documents in this section were reviewed and discussed by the WG, and for convenience, the following data files, which are PDF attachments, includes all of the recommended Unihan database additions, changes, and removals based on them:

- *Unihan-additions-20251010.txt*
- *Unihan-changes-20251010.txt*
- *Unihan_IRGSources-additions-20251010.txt*
- *Unihan_IRGSources-removals-20251010.txt*

The recommended Unihan database additions, changes, and removals are also shown inline, following the **Recommendations**.

17) L2/25-213: Katakana kun'yomi in Unihan Database kJapanese

Comments: The WG reviewed and discussed this document, and agreed that these are appropriate changes and additions to the provisional *kDefinition* and *kJapanese* properties, along with the single addition to the provisional *kStrange* property, with Unicode Version 18.0 being the target.

Recommendations: The group recommends to the UTC the following disposition ⇨

Action Item for Ken Lunde, CJK: Update the UniHan database to change kDefinition and kJapanese property values, and to add kDefinition, kJapanese, and kStrange property values, based on document L2/25-213 and Section 17 of document L2/25-231, for Unicode Version 18.0.

Action Item for Ken Lunde, CJK: Convey to the author of document L2/25-213 the CJK & UniHan Working Group comments in Section 17 of document L2/25-231.

Current:

U+3B8B	kJapanese	イタ
U+3BC9	kJapanese	クワ ゲ チョ
U+45B3	kJapanese	タ ダ タタ チャク
U+4787	kJapanese	シ ニエル
U+4ED9	kDefinition	Taoist super-being, transcendent, immortal
U+4ED9	kJapanese	セン セント
U+5161	kDefinition	mercury (chemical element)
U+542C	kDefinition	hear; understand; obey, comply
U+544E	kDefinition	foot
U+544F	kJapanese	ショウ ガロン
U+565A	kJapanese	ファゾム
U+56CD	kJapanese	ヨシ そうき
U+5A47	kJapanese	サイ ウネメ ウネベ
U+5C01	kDefinition	letter, envelope; feudal
U+5CC5	kJapanese	クラ
U+5E0B	kJapanese	シ カミ
U+5F17	kDefinition	not, negative
U+69CF	kJapanese	ケン タイ カネ かね
U+6CD5	kJapanese	ハウ ハッ ホッ フラン のっとる のり
U+6D6C	kDefinition	nautical mile
U+78B5	kJapanese	セキ ヒロ
U+7ACB	kJapanese	リツ リュウ イ リットル たつ たてる
U+7ACF	kDefinition	kiloliter
U+7C17	kJapanese	ヤナセ やな
U+7C75	kDefinition	decimeter
U+7D4B	kJapanese	ゲン ヒロシ ヒロム コウ ヒロ
U+8056	kDefinition	holy, sacred; sage
U+8422	kJapanese	ヤチ ヤツ
U+87CE	kJapanese	ダニ だに
U+203F9	kJapanese	ホトケ
U+204B2	kDefinition	Dg
U+237FF	kJapanese	ナギ
U+247F1	kJapanese	タジヒ ワ
U+25A95	kDefinition	classifier
U+2B7BF	kJapanese	ヤナセ やな
U+2B81D	kJapanese	ベツ ミノガメ
U+2CABF	kDefinition	a square meter; one hundredth of a 公畝
U+2D160	kJapanese	ヨシ よし
U+2E494	kJapanese	ツタ

Adjusted:

U+3B8B	kJapanese	いた
U+3BC9	kJapanese	ゲ チョ くわ
U+45B3	kJapanese	タ ダ チャク たた

U+4787	kJapanese	シ にえる
U+4ED9	kDefinition	Taoist super-being, transcendent, immortal; cent
U+4ED9	kJapanese	セン セント せんにな
U+5161	kDefinition	mercury (chemical element); hectogram
U+542C	kDefinition	hear; understand; obey, comply; one pound
U+544E	kDefinition	foot, twelve inches
U+544F	kJapanese	ショウ ガロン クオト
U+565A	kJapanese	ファゾム えいびろ
U+56CD	kJapanese	よし そうき
U+5A47	kJapanese	サイ うねめ うねべ
U+5C01	kDefinition	letter, envelope; feudal; one pound
U+5CC5	kJapanese	くら
U+5E0B	kJapanese	シ かみ
U+5F17	kDefinition	not, negative; dollar
U+69CF	kJapanese	ケン タイ かね
U+6CD5	kJapanese	ハウ ハッ ホッ フラン のっとる のり おきて
U+6D6C	kDefinition	nautical mile; knot, nautical mile per hour
U+78B5	kJapanese	セキ ひろ
U+7ACB	kJapanese	リツ リュウ イ リットル たつ たてる たちどころ
U+7ACF	kDefinition	kiloliter, cubic meter
U+7C17	kJapanese	やな やなせ
U+7C75	kDefinition	decameter, ten meters
U+7D4B	kJapanese	ゲン コウ ひろし ひろむ ひろ わた わたいれ
U+8056	kDefinition	holy, sacred; sage, saint
U+8422	kJapanese	やち やつ やぢ やじ
U+87CE	kJapanese	だに
U+203F9	kJapanese	ほとけ
U+204B2	kDefinition	decagram, ten grams
U+237FF	kJapanese	なぎ
U+247F1	kJapanese	ワ たじひ
U+25A95	kDefinition	kiloliter, cubic meter; classifier
U+2B7BF	kJapanese	やな やなせ
U+2B81D	kJapanese	ベツ みのがめ
U+2CABF	kDefinition	square meter, centiare; one hundredth of a 公畝
U+2D160	kJapanese	よし
U+2E494	kJapanese	つた

New:

U+561D	kDefinition	bushel (unit of measure)
U+74F2	kDefinition	ton
U+7C7F	kDefinition	decimeter, one tenth of a meter
U+7C80	kDefinition	decameter, ten meters
U+7C8C	kDefinition	hectometer
U+7CB4	kDefinition	kilometer
U+20490	kDefinition	milligram
U+20498	kDefinition	hectogram
U+20499	kDefinition	kilogram
U+204AD	kDefinition	milligram
U+204C8	kDefinition	myriagram, ten kilograms
U+21A5B	kDefinition	hectare
U+21AB8	kDefinition	square meter, centiare
U+24CBE	kDefinition	are, one hundredth of a hectare
U+25A58	kDefinition	centiliter
U+25A7B	kDefinition	deciliter
U+25AB3	kDefinition	milliliter
U+25E2F	kDefinition	myriameter, ten kilometers, Swedish mile

U+2B679	kDefinition	blizzard
U+2B877	kDefinition	hectare
U+2CF17	kDefinition	grain (unit of weight)
U+2CF17	kStrange	0:U+0047
U+2D505	kDefinition	hectare
U+2D516	kDefinition	square meter, centiare

18) L2/25-214: Proposal to remove the provisional kIRGDaeJaweon and kIRGKangXi properties

Comments: The WG reviewed and discussed this document, and agreed that removing the provisional *kIRGDaeJaweon* and *kIRGKangXi* properties, along with making the provisional *kDaeJaweon* property a proper superset of the provisional *kIRGDaeJaweon* property is appropriate, with Unicode Version 18.0 being the target.

Recommendations: The group recommends to the UTC the following disposition ➡

Consensus: Accept the proposal to remove the provisional *kIRGDaeJaweon* and *kIRGKangXi* properties, based on document L2/25-214 and Section 18 of document L2/25-231, for Unicode Version 18.0.

Action Item for Ken Lunde, CJK: Remove the provisional *kIRGDaeJaweon* and *kIRGKangXi* properties from the Unihan database, based on document L2/25-214 and Section 18 of document L2/25-231, for Unicode Version 18.0.

Action Item for Ken Lunde, CJK: Update the Unihan database to add “1314.201” as a new *kDaeJaweon* property value for U+7B7D, based on document L2/25-214 and Section 18 of document L2/25-231, for Unicode Version 18.0.

Action Item for Ken Lunde, CJK: Prepare a Proposed Update of UAX #38 to remove the provisional *kIRGDaeJaweon* and *kIRGKangXi* properties from UAX #38, based on document L2/25-214 and Section 18 of document L2/25-231, for Unicode Version 18.0.

Action Item for Michelle Perham, RMG: Post the Proposed Update of UAX #38 as a new PRI with 2025-12-31 as the closing date, based on document L2/25-214 and Section 18 of document L2/25-231.

New:

U+7B7D	kDaeJaweon	1314.201
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19) L2/25-216: On the Current Status of kCangjie Property

Comments: The WG reviewed and discussed this document, which was presented by two of its four authors (Tan and Woo), and agreed that is a welcomed contribution to improve and expand the coverage of the provisional *kCangjie* Unihan database property. The WG encourages the document authors to continue the work and submit it to the UTC when finished.

The improved and expanded property data is expected to include both third- and fifth-generation Cangjie input codes. If the input code is the same for both generations, there will be a single property value. If the input codes differ, the first property value will be the third-generation one,

and the second property value will be the fifth-generation one. In terms of coverage, the data for both generations is expected to cover up through the CJK Unified Ideographs Extension J block, meaning over 100,000 code points.

The WG noted that IDCs (*Ideographic Description Characters*) and some symbols have Cangjie input codes, but these characters cannot be covered by the UniHan database.

Recommendations: The group recommends to the UTC the following disposition ➡

No UTC action is required.

20) L2/25-217: UniHan numeric properties values additions for CJKUI Ext. J characters

Comments: The WG reviewed and discussed this document, and agreed that these are appropriate additions to the informative *kOtherNumeric* and provisional *kVietnameseNumeric* properties, with Unicode Version 18.0 being the target.

Recommendations: The group recommends to the UTC the following disposition ➡

Consensus: Accept the proposal to add “200” and “50” as the informative *kOtherNumeric* property values for U+32403 and U+324DF, respectively, based on document L2/25-217 and Section 20 of document L2/25-231, for Unicode Version 18.0.

Action Item for Ken Lunde, CJK: Update the UniHan database to add *kOtherNumeric* and *kVietnameseNumeric* property values, based on document L2/25-217 and Section 20 of document L2/25-231, for Unicode Version 18.0.

New:

U+32403	<i>kOtherNumeric</i>	200
U+32481	<i>kVietnameseNumeric</i>	6
U+324DF	<i>kOtherNumeric</i>	50
U+324E0	<i>kVietnameseNumeric</i>	10
U+324E8	<i>kVietnameseNumeric</i>	10
U+324E9	<i>kVietnameseNumeric</i>	10
U+3276D	<i>kVietnameseNumeric</i>	5
U+32C83	<i>kVietnameseNumeric</i>	100

21) L2/25-222: Request to Move KP1-8852 to U+296B1

Comments: The WG reviewed and discussed this document, and agreed that moving the *kIRG_KPSource* property value of U+9907 飼, KP1-8852, to U+296B1 飼, is appropriate, with Unicode Version 18.0 being the target. The author of [UTN #50](#), *KP-Source Property Value History*, will issue an update on or shortly after the release date of Unicode Version 18.0.

Recommendations: The group recommends to the UTC the following disposition ➡

Consensus: Accept the proposal to move the normative kIRG_KPSource property value of U+9907, KP1-8852, to U+296B1, based on document L2/25-222 (Sim) and Section 21 of document L2/25-231, for Unicode Version 18.0.

Action Item for Michel Suignard, CJK: Update ISO/IEC 10646's CJKSrc.txt data file to move the normative kIRG_KPSource property value of U+9907, KP1-8852, to U+296B1, based on document L2/25-222 and Section 21 of document L2/25-231, and provide to Ken Lunde a Unihan18.txt data file, for Unicode Version 18.0.

Action Item for Ken Lunde, CJK: Use the Unihan18.txt data file to update the Unihan database, based on document L2/25-222 and Section 21 of document L2/25-231, for Unicode Version 18.0.

Current:

U+9907	kIRG_KPSource	KP1-8852
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Remove:

U+9907	kIRG_KPSource	KP1-8852
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New:

U+296B1	kIRG_KPSource	KP1-8852
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UAX #45 / U-Source Documents

The single UTC document in this section was reviewed and discussed by the WG, and for convenience, the following data file, which is a PDF attachment, includes the recommended UAX #45 *USourceData.txt* data file additions based on it:

- *USource-additions-20251010.txt*

The recommended UAX #45 *USourceData.txt* data file additions are also shown inline, immediately following the **Recommendations**.

22) L2/25-221: Proposal to add three ideographs for Japanese place names to UAX #45

Comments: The WG reviewed and discussed this proposal, and agreed that adding the three ideographs to UAX #45 is reasonable, with an assigned status value of **FutureWS**, and with Unicode Version 18.0 being the target. The ideographs, whose representative glyphs are shown below, can therefore be considered as a candidates for inclusion in the UTC's submission for the next IRG working set:

碁 森 鯨

Recommendations: The WG recommends to the UTC the following disposition ⇒

Consensus: Accept three new U-source ideographs as UTC-03597 through UTC-03599 with a UAX #45 status value of FutureWS, based on document L2/24-221 (Tsukada) and Section 22 of document L2/25-231, for Unicode Version 18.0.

Action Item for Ken Lunde, CJK: Add three new records to the UAX #45 USourceData.txt data file and their representative glyphs to USourceGlyphs.pdf, based on document L2/24-221 and Section 22 of document L2/25-231, for Unicode Version 18.0.

Action Item for Ken Lunde, CJK: Convey to the author of document L2/24-221 the CJK & Unihan Working Group comments in Section 22 of document L2/25-231.

New:

UTC-03597;FutureWS;;112.7;;𪛇投石;UTCDoc L2/25-221 1;kJapanese なげ;12;1
UTC-03598;FutureWS;;119.12;;𪛈米糴;UTCDoc L2/25-221 2;kJapanese ひとぎ;18;4
UTC-03599;FutureWS;;195.3;;𪛉魚久;UTCDoc L2/25-221 3;kJapanese ひさ;14;3

IRG Documents

The 19 IRG documents in this section were reviewed and discussed by the WG, and for convenience, the following data files, which are PDF attachments, include the recommended Unihan database additions and changes based on them:

- *Unihan_IRGSources-additions-20251010.txt*
- *Unihan_IRGSources-changes-20251010.txt*

With the exception of the 1,719 *kIRG_GSource* property value changes recommended in Section 31, the recommended Unihan database additions and changes are also shown inline, following the **Recommendations**.

23) IRG N2824: US/Unicode Activity Report for IRG Meeting #65 [L2/25-215]

Comments: This document is the UTC's activity report as delivered during IRG Meeting #65 in October of 2025, and is therefore an FYI document for the UTC.

Recommendations: The WG recommends to the UTC the following disposition ⇒

No UTC action is required.

24) IRG N2826: IRG Meeting #65 Recommendations and Action Items

Comments: While this is mainly an FYI document for the UTC, because all of the necessary actions have been recommended under documents that are referenced later in this section of this document, it is important to point out the future IRG meeting schedule, the IRG Working Set 2024 review schedule, and other IRG-related activities, all of which impact UTC experts:

- Per **Recommendation IRG M65.01**, the next IRG meeting, **IRG Meeting #66 (2026-03-16 through 2026-03-20)** will be virtual (Webex) and hosted by Apple, **IRG Meeting #67 (2026-**

10-12 through 2026-10-16) will be hybrid and hosted by the SAT Daizōkyō Text Database Committee in Tōkyō, Japan, and **IRG Meeting #68 (2027-03-15 through 2027-03-19)** will be virtual (Webex) and hosted by Apple. The tentative host for **IRG Meeting #69 (Fall 2027)** is Fulbright University in Ho Chi Minh City, Vietnam.

- Per **Recommendation IRG M65.04**, the following is the review schedule for **IRG Working Set 2024 Version 4.0**:
 - **2025-11-28**: The IRG Chief Editor and ORT Manager fix all data; submitters that need to update representative glyphs provide updated fonts to the IRG Chief Editor and ORT Manager — 6 weeks
 - **2025-12-26**: The ORT Manager releases IRG Working Set 2024 Version 4.0 online via the ORT and as document IRG N2887 with an attached attributes file in Excel format — 4 weeks
 - **2026-02-06**: The IRG Editors submit comments online via the ORT — 6 weeks
 - **2026-02-27**: The ORT Manager releases Consolidated Comments online and as document IRG N2888 — 3 weeks
 - **2026-03-13**: Submitters provide responses to comments online via the ORT — Friday before IRG Meeting #66
- Per **Recommendation IRG M65.19**, the IRG is planning to establish a new IRG source for Singapore — meaning a new normative UniHan database property named *kIRG_SGSource* — that will be discussed during WG 2 Meeting #73 in June.
- Per **Recommendation IRG M65.22**, the IRG is preparing consolidated SC (*Stroke Count*) and FS (*First [Residual] Stroke*) guidelines that will replace and supplement all previous IRG documents that prescribed such values — documents IRG N954AR, IRG N1105, IRG N2171, and IRG N2221 — and expects to finalize it during IRG Meeting #66 in March.
- Per **Recommendation IRG M65.23**, the IRG is preparing two relatively small —by IRG standards — CJK Unified Ideographs extension blocks that include CJKV components — **CJK Unified Ideographs Jianzi Musical Notation Components** (121) and **CJK Unified Ideographs Components** (367) — and may have a final proposal ready for approval during UTC Meeting #186 in January. The suggested blocks are 2FA20..2FA9F and 2FAA0..2FC0F, respectively, which are contiguous and come immediately after the CJK Compatibility Ideographs Supplement block at the end of Plane 2 (aka SIP). Note that the proposed **CJK Unified Ideographs Jianzi Musical Notation Components** block in Plane 2 would replace the **Jianzi Musical Notation** block (1DB00..1DC8F) shown on the [Roadmap to the SMP](#) page, but that the **Jianzi F.C.** (short for **Jianzi Format Controls**) block (1DAE0..1DAFF) would be unchanged.
- Per **Recommendation IRG M65.24**, the consensus among IRG experts is to delegate the encoding of CJK hybrid characters — with the exception of the large number of well-attested Korean ideographs that include phonetic components based on Hangul — to WG 2 with oversight by the IRG. In other words, the IRG will determine whether a particular character is encoded in a CJK Unified Ideographs extension block or in a separate block for CJK hybrid characters.

Recommendations: The WG recommends to the UTC the following disposition ⇒

No UTC action is required.

25) IRG N2834: Feedback on the Unihan property values of U+980B
IRG N2865: Feedback to IRG N2834

Comments: Per **Recommendation M65.05** in document IRG N2826, the IRG recommended disunifying U+980B 頤, U+FACB 頤, and U+2F9FF 頤, as proposed in documents IRG N2834 and IRG N2865, and that their disunified forms, KP-source ideograph KP1-869A at U+FACB 頤 and T-source ideograph T6-6430 at U+2F9FF 頤, be encoded at the existing code point U+2EA07 頤 in the CJK Unified Ideographs Extension F block. A separate document, IRG N2861, includes as a PDF attachment a TrueType font that provides the new T-source representative glyph for U+2EA07 頤. The KP-source representative glyph will be provided by 2025-10-31. The WG therefore recommends that the UTC accept this proposal with Unicode Version 18.0 as the target.

The WG would also like to use this opportunity to once again point out that while most disunifications result in a new code point being assigned, usually at the end of a CJK Unified Ideographs extension block, if an existing code point in a CJK Unified Ideographs block can accommodate the disunified ideograph, which is the case in this proposal, a new code point is not assigned.

Recommendations: The WG recommends to the UTC the following disposition ⇒

Consensus: Accept the disunification of U+980B, U+FACB, and U+2F9FF with the disunified KP- and T-source ideographs at existing code point U+2EA07 in the CJK Unified Ideographs Extension F block, based on Recommendation M65.05 in document IRG N2826 (IRG) and Section 25 of document L2/25-231, for Unicode Version 18.0.

Action Item for Michel Suignard, CJK: Update ISO/IEC 10646's CJKSrc.txt data file to change the kIRG_KPSource property value of U+FACB, to change the kIRG_TSource property value of U+2F9FF, and to add kIRG_KPSource and kIRG_TSource property values to U+2EA07 in the CJK Unified Ideographs Extension F block, based on Recommendation M65.05 in document IRG N2826 and Section 25 of document L2/25-231, and provide to Ken Lunde an updated Unihan18.txt data file, for Unicode Version 18.0.

Action Item for Ken Lunde, CJK: Use the updated Unihan18.txt data file to update the Unihan database, based on Recommendation M65.05 in document IRG N2826 and Section 25 of document L2/25-231, for Unicode Version 18.0.

Action Item for Josh Hadley, Roozbeh Pournader, PAG: Add U+980B and U+2EA07 as a new confusable pair, based on Recommendation M65.05 in document IRG N2826 and Section 25 of document L2/25-231, for a future version of the standard.

Current:

U+FACB	kIRG_KPSource	KP1-869A
U+2F9FF	kIRG_TSource	T6-6430

Adjusted:

U+FACB	kIRG_KPSource	KPU-0FACB
U+2F9FF	kIRG_TSource	TU-2F9FF

New:

U+2EA07	kIRG_KPSource	KP1-869A
U+2EA07	kIRG_TSource	T6-6430

26) IRG N2889R2: Feedback on IRG N2884, IRG N2838, and IRG N2730

Comments: Per **Recommendation M65.06** in document IRG N2826, the IRG recommended disunifying U+6B25 𐀂, as proposed in Section 2 of document IRG N2889R2, and that its disunified form, G-source ideograph GCEI-00550, be encoded at a new code point, U+2B81E, at the end of the CJK Unified Ideographs Extension D block. Document IRG N2889R2 includes as a PDF attachment a TrueType font that provides the G-source representative glyph at GID+207. The WG noted that the *kTotalStrokes* property value of U+2B81E should be 8, not 6 as proposed in Section 2 of document IRG N2889R2. The WG therefore recommends that the UTC accept this proposal with Unicode Version 18.0 as the target.

The following two lines of code are useful for implementing the extension to the CJK Unified Ideographs Extension D block:

```
#define CJK_EXTD_FIRST (0x2B740)
#define CJK_EXTD_LAST (0x2B81E)
```

Recommendations: The WG recommends to the UTC the following disposition ⇒

Consensus: Accept the disunification of U+6B25 with the disunified G-source ideograph at new code point U+2B81E at the end of the CJK Unified Ideographs Extension D block, based on Recommendation M65.06 in document IRG N2826 (IRG) and as amended in Section 26 of document L2/25-231, for Unicode Version 18.0.

Action Item for Michel Suignard, CJK: Update ISO/IEC 10646's CJKSrc.txt data file to add U+2B81E to the CJK Unified Ideographs Extension D block, based on Recommendation M65.06 in document IRG N2826 and as amended in Section 26 of document L2/25-231, and provide to Ken Lunde an updated Unihan18.txt data file, for Unicode Version 18.0.

Action Item for Ken Lunde, CJK: Use the updated Unihan18.txt data file to update the Unihan database, based on Recommendation M65.06 in document IRG N2826 and as amended in Section 26 of document L2/25-231, for Unicode Version 18.0.

Action Item for Ken Whistler, EDC: Update Table 4-8 of the Core Specification to change 2B740..2B81D to 2B740..2B81E in the Range column, based on Recommendation M65.06 in document IRG N2826 and Section 26 of document L2/25-231, for Unicode Version 18.0.

Action Item for Ken Whistler, UTC: Update the pipeline to add U+2B81E, based on Recommendation M65.06 in document IRG N2826 and Section 26 of document L2/25-231, for Unicode Version 18.0.

Action Item for Ken Whistler, RMG: Add mention of the range extension of the CJK Unified Ideographs Extension D block to the Alpha review notes for Unicode Version 18.0, based on Recommendation M65.06 in document IRG N2826 and Section 26 of document L2/25-231.

Action Item for Ken Whistler, EDC: Document the range extension of the CJK Unified Ideographs Extension D block in the Core Specification, based on Recommendation M65.06 in document IRG N2826 and Section 26 of document L2/25-231, for Unicode Version 18.0.

Action Item for Josh Hadley, Roozbeh Pournader, PAG: Add U+6B25 and U+2B81E as a new confusable pair, based on Recommendation M65.06 in document IRG N2826 and Section 26 of document L2/25-231, for a future version of the standard.

New:

U+2B81E	kIRG_GSource	GCESI-00550
U+2B81E	kRSUnicode	72.4
U+2B81E	kTotalStrokes	8

27) IRG N2877R3: G-Source horizontal extensions for 597 characters

Comments: Per **Recommendation M65.07** in document IRG N2826, the IRG recommended that China's 597-ideograph horizontal extension, as proposed in document IRG N2877R3, be accepted. The document includes as a PDF attachment a TrueType font that provides the new G-source representative glyphs. The WG therefore recommends that the UTC accept this proposal with Unicode Version 18.0 as the target.

Recommendations: The WG recommends to the UTC the following disposition ➡

Consensus: Accept China's 597-ideograph horizontal extension, based on Recommendation M65.07 in document IRG N2826 (IRG) and Section 27 of document L2/25-231, for Unicode Version 18.0.

Action Item for Michel Suignard, CJK: Update ISO/IEC 10646's CJKSrc.txt data file to add 597 new kIRG_GSource property values, based on Recommendation M65.07 in document IRG N2826 and Section 27 of document L2/25-231, and provide to Ken Lunde an updated Unihan18.txt data file, for Unicode Version 18.0.

Action Item for Ken Lunde, CJK: Use the updated Unihan18.txt data file to update the Unihan database, based on Recommendation M65.07 in document IRG N2826 and Section 27 of document L2/25-231, for Unicode Version 18.0.

New:

U+342A	kIRG_GSource	GCA-K0050
U+3479	kIRG_GSource	GCA-T0016
U+34DB	kIRG_GSource	GCA-F0057
U+352B	kIRG_GSource	GCA-F0009
U+39DE	kIRG_GSource	GCA-J0313
U+3CDF	kIRG_GSource	GCA-J0353
U+3D7C	kIRG_GSource	GCA-F0045
U+3E03	kIRG_GSource	GCA-J0327
U+41FF	kIRG_GSource	GCA-F0031
U+4491	kIRG_GSource	GCA-J0312
U+44C1	kIRG_GSource	GCA-K0059
U+4616	kIRG_GSource	GCA-K0054
U+9FCC	kIRG_GSource	GCA-F0060
U+FA17	kIRG_GSource	GCA-J0250
U+FA19	kIRG_GSource	GCA-J0265

U+FA1B	kIRG_GSource	GCA-J0272
U+FA1C	kIRG_GSource	GCA-J0276
U+FA1D	kIRG_GSource	GCA-J0274
U+FA1E	kIRG_GSource	GCA-J0252
U+FA22	kIRG_GSource	GCA-J0263
U+FA26	kIRG_GSource	GCA-J0275
U+FA4C	kIRG_GSource	GCA-J0270
U+FA50	kIRG_GSource	GCA-J0269
U+FA51	kIRG_GSource	GCA-J0266
U+FA52	kIRG_GSource	GCA-J0277
U+FA5B	kIRG_GSource	GCA-J0262
U+FA5F	kIRG_GSource	GCA-J0268
U+FA61	kIRG_GSource	GCA-J0278
U+FA71	kIRG_GSource	GCA-J0249
U+FA7F	kIRG_GSource	GCA-J0338
U+FAA7	kIRG_GSource	GCA-J0261
U+FABC	kIRG_GSource	GCA-P0004
U+FAC1	kIRG_GSource	GCA-F0030
U+FAC7	kIRG_GSource	GCA-J0344
U+FACA	kIRG_GSource	GCA-F0052
U+200D4	kIRG_GSource	GWY-32007
U+201E6	kIRG_GSource	GCA-B0005
U+204FC	kIRG_GSource	GWY-44180
U+20779	kIRG_GSource	GWY-44103
U+207E4	kIRG_GSource	GWY-44177
U+20A44	kIRG_GSource	GCA-T0006
U+20B93	kIRG_GSource	GWY-32005
U+20C41	kIRG_GSource	GWY-44047
U+20C42	kIRG_GSource	GWY-44089
U+20C7E	kIRG_GSource	GCA-J0223
U+20CCF	kIRG_GSource	GWY-44074
U+20CD5	kIRG_GSource	GWY-44069
U+20CD6	kIRG_GSource	GWY-44088
U+20D48	kIRG_GSource	GWY-44156
U+20D9C	kIRG_GSource	GWY-44197
U+20E0A	kIRG_GSource	GWY-44191
U+20E0E	kIRG_GSource	GWY-44157
U+20E10	kIRG_GSource	GWY-44054
U+20E73	kIRG_GSource	GWY-44109
U+20E78	kIRG_GSource	GWY-44127
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U+30C47	kIRG_GSource	GCA-K0052
U+30C50	kIRG_GSource	GWY-11059
U+30C71	kIRG_GSource	GCA-I0072
U+30C7E	kIRG_GSource	GCA-J0308
U+30C85	kIRG_GSource	GWY-11030
U+30CB2	kIRG_GSource	GKJ-00482
U+30CE7	kIRG_GSource	GCA-Z0002
U+30D18	kIRG_GSource	GKJ-01031

U+30D55	kIRG_GSource	GCA-J0318
U+30D61	kIRG_GSource	GCA-K0047
U+30D62	kIRG_GSource	GCA-J0228
U+30D65	kIRG_GSource	GCA-J0224
U+30D82	kIRG_GSource	GWY-11021
U+30D84	kIRG_GSource	GWY-11053
U+30D9C	kIRG_GSource	GWY-64026
U+30DE5	kIRG_GSource	GCA-K0033
U+30DF5	kIRG_GSource	GWY-11058
U+30E04	kIRG_GSource	GWY-11045
U+30E10	kIRG_GSource	GCA-J0314
U+30E1C	kIRG_GSource	GWY-44149
U+30E8B	kIRG_GSource	GCA-B0009
U+30EA3	kIRG_GSource	GCA-J0310
U+30F3A	kIRG_GSource	GKJ-00505
U+30F55	kIRG_GSource	GKJ-00533
U+30F6D	kIRG_GSource	GCA-J0234
U+30F7C	kIRG_GSource	GWY-11016
U+30F94	kIRG_GSource	GCA-J0237
U+30F97	kIRG_GSource	GCA-J0232
U+30F9A	kIRG_GSource	GCA-J0241
U+30F9D	kIRG_GSource	GWY-44176
U+30FA3	kIRG_GSource	GCA-J0233
U+30FA4	kIRG_GSource	GWY-11049
U+30FA7	kIRG_GSource	GCA-K0037
U+30FB5	kIRG_GSource	GCA-K0036
U+30FBA	kIRG_GSource	GKJ-01032
U+30FBC	kIRG_GSource	GCA-J0239
U+30FFA	kIRG_GSource	GCA-J0306
U+31052	kIRG_GSource	GCA-K0038
U+3107A	kIRG_GSource	GCA-J0235
U+31088	kIRG_GSource	GCA-J0236
U+3108A	kIRG_GSource	GCA-B0004
U+31090	kIRG_GSource	GWY-44034
U+310A8	kIRG_GSource	GCA-J0307
U+310B1	kIRG_GSource	GCA-I0071
U+310F4	kIRG_GSource	GWY-32001
U+310F5	kIRG_GSource	GWY-11025
U+31142	kIRG_GSource	GCA-J0309
U+3115C	kIRG_GSource	GCA-J0365
U+31183	kIRG_GSource	GCA-J0369
U+31185	kIRG_GSource	GCA-J0370
U+311CD	kIRG_GSource	GWY-11017
U+311F8	kIRG_GSource	GCA-J0244
U+31204	kIRG_GSource	GCA-K0040
U+3124A	kIRG_GSource	GCA-J0281
U+31250	kIRG_GSource	GCA-J0282
U+31257	kIRG_GSource	GCA-P0001
U+3126F	kIRG_GSource	GCA-J0219
U+3127E	kIRG_GSource	GWY-32011
U+31283	kIRG_GSource	GCA-K0046
U+31316	kIRG_GSource	GWY-11035
U+3136B	kIRG_GSource	GCA-F0054
U+3139A	kIRG_GSource	GCA-J0324
U+31449	kIRG_GSource	GWY-44039

U+314AD	kIRG_GSource	GCA-J0359
U+314B8	kIRG_GSource	GWY-11048
U+314F8	kIRG_GSource	GWY-44015
U+3150D	kIRG_GSource	GWY-44092
U+31536	kIRG_GSource	GWY-44049
U+316B3	kIRG_GSource	GCA-K0045
U+316B6	kIRG_GSource	GWY-44045
U+31939	kIRG_GSource	GWY-11041
U+31978	kIRG_GSource	GCA-J0305
U+3197B	kIRG_GSource	GCA-J0245
U+319CA	kIRG_GSource	GCA-T0010
U+31B11	kIRG_GSource	GWY-11031
U+31C3A	kIRG_GSource	GCA-J0300
U+31C46	kIRG_GSource	GCA-J0226
U+31CF0	kIRG_GSource	GCA-J0255
U+31D53	kIRG_GSource	GKJ-00938
U+31F1A	kIRG_GSource	GWY-44076
U+32016	kIRG_GSource	GKJ-00444
U+320C5	kIRG_GSource	GWY-11055
U+320F4	kIRG_GSource	GWY-44019
U+321B2	kIRG_GSource	GWY-44048
U+32209	kIRG_GSource	GCA-K0034
U+32216	kIRG_GSource	GWY-11026
U+3224F	kIRG_GSource	GCA-J0227
U+3231B	kIRG_GSource	GWY-44044
U+32396	kIRG_GSource	GCA-J0243
U+323A8	kIRG_GSource	GWY-11037
U+323C0	kIRG_GSource	GCA-Y0022
U+32439	kIRG_GSource	GCA-K0001
U+32485	kIRG_GSource	GCA-Y0023
U+324D2	kIRG_GSource	GWY-44150
U+324E6	kIRG_GSource	GCA-Y0024
U+324ED	kIRG_GSource	GCA-K0060
U+32535	kIRG_GSource	GWY-64027
U+3258C	kIRG_GSource	GWY-44079
U+3259C	kIRG_GSource	GWY-44061
U+325BB	kIRG_GSource	GWY-44035
U+325C3	kIRG_GSource	GWY-44075
U+32609	kIRG_GSource	GWY-64028
U+32708	kIRG_GSource	GWY-44200
U+327C1	kIRG_GSource	GCA-K0032
U+327FB	kIRG_GSource	GXM-00170
U+3281D	kIRG_GSource	GCA-I0062
U+32844	kIRG_GSource	GWY-44175
U+3285B	kIRG_GSource	GWY-44072
U+32860	kIRG_GSource	GWY-44100
U+32867	kIRG_GSource	GWY-44097
U+32870	kIRG_GSource	GCA-J0216
U+32875	kIRG_GSource	GWY-44105
U+3288A	kIRG_GSource	GWY-44169
U+3289F	kIRG_GSource	GWY-44057
U+328B6	kIRG_GSource	GWY-44090
U+328B7	kIRG_GSource	GWY-44183
U+328B9	kIRG_GSource	GWY-44060
U+328E4	kIRG_GSource	GWY-44062

U+328FB	kIRG_GSource	GWY-44146
U+3290B	kIRG_GSource	GWY-44099
U+329A7	kIRG_GSource	GCA-F0022
U+329F1	kIRG_GSource	GCA-Y0025
U+32A0C	kIRG_GSource	GWY-44132
U+32A2F	kIRG_GSource	GWY-44141
U+32A52	kIRG_GSource	GWY-44161
U+32A64	kIRG_GSource	GWY-44185
U+32B0C	kIRG_GSource	GWY-44144
U+32B3B	kIRG_GSource	GWY-44194
U+32B47	kIRG_GSource	GWY-44170
U+32B7A	kIRG_GSource	GCA-K0007
U+32C13	kIRG_GSource	G5-426A
U+32C68	kIRG_GSource	GWY-44148
U+32C89	kIRG_GSource	GWY-44122
U+32C8B	kIRG_GSource	GWY-44070
U+32CB4	kIRG_GSource	GWY-44203
U+32CDD	kIRG_GSource	G7-462A
U+32D41	kIRG_GSource	GCA-K0042
U+32D45	kIRG_GSource	GWY-11010
U+32DD5	kIRG_GSource	GWY-11012
U+32DF2	kIRG_GSource	GCA-Y0026
U+32E0D	kIRG_GSource	GWY-44160
U+32E91	kIRG_GSource	GWY-11014
U+32EA4	kIRG_GSource	GCA-J0215
U+32F82	kIRG_GSource	GWY-44114
U+33069	kIRG_GSource	GCA-J0248
U+3306D	kIRG_GSource	GCA-Y0027
U+330D5	kIRG_GSource	GCA-J0218
U+33263	kIRG_GSource	GWY-44053
U+332EE	kIRG_GSource	GWY-11011
U+33471	kIRG_GSource	GWY-11013

28) IRG N2879R2: T-Source horizontal extensions for 163 characters

Comments: Per **Recommendation M65.08** in document IRG N2826, the IRG recommended that TCA's 163-ideograph horizontal extension, as proposed in document IRG N2879R2, be accepted. The document includes as a PDF attachment a TrueType font that provides the new T-source representative glyphs. The WG therefore recommends that the UTC accept this proposal with Unicode Version 18.0 as the target.

Recommendations: The WG recommends to the UTC the following disposition ➡

Consensus: Accept TCA's 163-ideograph horizontal extension, based on Recommendation M65.08 in document IRG N2826 (IRG) and Section 28 of document L2/25-231, for Unicode Version 18.0.

Action Item for Michel Suignard, CJK: Update ISO/IEC 10646's CJKSrc.txt data file to add 163 new kIRG_TSource property values, based on Recommendation M65.08 in document IRG N2826 and Section 28 of document L2/25-231, and provide to Ken Lunde an updated Unihan18.txt data file, for Unicode Version 18.0.

Action Item for Ken Lunde, CJK: Use the updated Unihan18.txt data file to update the Unihan database, based on Recommendation M65.08 in document IRG N2826 and Section 28 of document L2/25-231, for Unicode Version 18.0.

New:

U+22E4E	kIRG_TSource	TA-4A6E
U+27499	kIRG_TSource	T7-496B
U+28456	kIRG_TSource	T4-2524
U+291B9	kIRG_TSource	T3-6153
U+2C856	kIRG_TSource	T5-7C57
U+2EBF6	kIRG_TSource	TC-2263
U+2EBF7	kIRG_TSource	TC-2265
U+2EBFA	kIRG_TSource	TC-2837
U+2EBFB	kIRG_TSource	TC-277B
U+2EBFE	kIRG_TSource	TC-3679
U+2EC01	kIRG_TSource	TB-7A41
U+2EC08	kIRG_TSource	TD-357D
U+2EC0A	kIRG_TSource	TC-424D
U+2EC0B	kIRG_TSource	TD-362F
U+2EC0C	kIRG_TSource	TC-2F33
U+2EC12	kIRG_TSource	TD-5945
U+2EC18	kIRG_TSource	TB-6445
U+2EC1D	kIRG_TSource	TC-3941
U+2EC1E	kIRG_TSource	TB-517D
U+2EC24	kIRG_TSource	TC-5446
U+2EC26	kIRG_TSource	TD-2421
U+2EC27	kIRG_TSource	TD-2376
U+2EC2C	kIRG_TSource	TD-496B
U+2EC2E	kIRG_TSource	TD-6845
U+2EC30	kIRG_TSource	TC-257D
U+2EC32	kIRG_TSource	TC-3942
U+2EC37	kIRG_TSource	TC-235C
U+2EC39	kIRG_TSource	TC-2A43
U+2EC3C	kIRG_TSource	TC-2A46
U+2EC40	kIRG_TSource	TC-3A24
U+2EC42	kIRG_TSource	TC-3A27
U+2EC43	kIRG_TSource	TC-396B
U+2EC4C	kIRG_TSource	TC-552E
U+2EC4D	kIRG_TSource	TC-466D
U+2EC4E	kIRG_TSource	TD-245A
U+2EC53	kIRG_TSource	TD-3869
U+2EC58	kIRG_TSource	T9-7551
U+2EC5A	kIRG_TSource	TE-342E
U+2EC5B	kIRG_TSource	TB-4F60
U+2EC5D	kIRG_TSource	T9-7D75
U+2EC5E	kIRG_TSource	TC-7656
U+2EC62	kIRG_TSource	TC-3126
U+2EC67	kIRG_TSource	TC-312C
U+2EC6B	kIRG_TSource	TC-475F
U+2EC71	kIRG_TSource	TD-692F
U+2EC72	kIRG_TSource	TD-6934
U+2EC79	kIRG_TSource	TC-3166
U+2EC7C	kIRG_TSource	T13-2636
U+2EC88	kIRG_TSource	TD-272F
U+2EC89	kIRG_TSource	TD-266B

U+2EC8A	kIRG_TSource	TD-3A4E
U+2EC8F	kIRG_TSource	TC-2B70
U+2EC90	kIRG_TSource	TC-4874
U+2EC91	kIRG_TSource	TB-603C
U+2EC93	kIRG_TSource	TC-3C2D
U+2EC95	kIRG_TSource	TC-582E
U+2EC99	kIRG_TSource	TD-2844
U+2EC9D	kIRG_TSource	TC-3273
U+2EC9E	kIRG_TSource	TC-3C57
U+2ECA1	kIRG_TSource	TC-497A
U+2ECA2	kIRG_TSource	TC-503E
U+2ECA5	kIRG_TSource	TD-3B69
U+2ECA6	kIRG_TSource	TD-3B7B
U+2ECA7	kIRG_TSource	TD-4C6A
U+2ECAC	kIRG_TSource	TC-333E
U+2ECAD	kIRG_TSource	TC-334C
U+2ECAE	kIRG_TSource	TC-333A
U+2ECAF	kIRG_TSource	TC-7A4C
U+2ECB3	kIRG_TSource	TC-595A
U+2ECB4	kIRG_TSource	TD-753A
U+2ECBF	kIRG_TSource	TD-5D6F
U+2ECC3	kIRG_TSource	TB-4A6E
U+2ECC9	kIRG_TSource	TC-5B3A
U+2ECCA	kIRG_TSource	TC-5A3C
U+2ECD0	kIRG_TSource	TD-4E5D
U+2ECD1	kIRG_TSource	TD-4E4D
U+2ECD4	kIRG_TSource	TC-6E51
U+2ECDA	kIRG_TSource	TC-2C65
U+2ECE4	kIRG_TSource	TC-3E5F
U+2ECE5	kIRG_TSource	TC-4C35
U+2ECE6	kIRG_TSource	TC-4C2F
U+2ECE8	kIRG_TSource	TC-4C2C
U+2ECEE	kIRG_TSource	TD-2C60
U+2ECF3	kIRG_TSource	TD-3F4B
U+2ECF5	kIRG_TSource	TD-4F3A
U+2ED03	kIRG_TSource	TC-2D21
U+2ED04	kIRG_TSource	TC-6E4D
U+2ED09	kIRG_TSource	TC-3F45
U+2ED0B	kIRG_TSource	TC-3F50
U+2ED10	kIRG_TSource	TB-4C29
U+2ED19	kIRG_TSource	TC-5B7B
U+2ED1B	kIRG_TSource	TC-5B77
U+2ED1E	kIRG_TSource	TC-5C29
U+2ED1F	kIRG_TSource	TD-2D5A
U+2ED21	kIRG_TSource	TC-734B
U+2ED23	kIRG_TSource	TD-2D65
U+2ED24	kIRG_TSource	TD-2D4B
U+2ED26	kIRG_TSource	TD-405C
U+2ED27	kIRG_TSource	TD-404B
U+2ED29	kIRG_TSource	TD-5036
U+2ED2B	kIRG_TSource	TD-5038
U+2ED31	kIRG_TSource	TB-4C30
U+2ED37	kIRG_TSource	TE-2E2B
U+2ED3E	kIRG_TSource	TC-4D30
U+2ED44	kIRG_TSource	TB-5034

U+2ED4B	kIRG_TSource	TC-4049
U+2ED50	kIRG_TSource	TC-5D2A
U+2ED52	kIRG_TSource	TC-5D2C
U+2ED53	kIRG_TSource	TD-414F
U+2ED55	kIRG_TSource	TD-515D
U+2ED56	kIRG_TSource	TD-515F
U+2ED64	kIRG_TSource	TD-5237
U+2ED68	kIRG_TSource	TC-7475
U+2ED6A	kIRG_TSource	TE-6F56
U+2ED6C	kIRG_TSource	T9-7D7E
U+2ED6F	kIRG_TSource	TC-5D7E
U+2ED74	kIRG_TSource	TD-526A
U+2ED77	kIRG_TSource	TD-616C
U+2ED7A	kIRG_TSource	TD-5334
U+2ED7B	kIRG_TSource	TD-5337
U+2ED7D	kIRG_TSource	TE-2677
U+2ED88	kIRG_TSource	TC-3553
U+2ED8A	kIRG_TSource	TB-4D46
U+2ED8F	kIRG_TSource	TC-4F3C
U+2ED91	kIRG_TSource	TC-4C64
U+2ED92	kIRG_TSource	TB-7D43
U+2ED97	kIRG_TSource	TC-4156
U+2ED98	kIRG_TSource	TC-4F4A
U+2ED9B	kIRG_TSource	TC-2756
U+2ED9C	kIRG_TSource	TC-2D3C
U+2EDA0	kIRG_TSource	TC-4170
U+2EDA2	kIRG_TSource	TC-5F5D
U+2EDA3	kIRG_TSource	TC-5F63
U+2EDA4	kIRG_TSource	TC-5F31
U+2EDA6	kIRG_TSource	TD-3138
U+2EDA7	kIRG_TSource	TD-3176
U+2EDAD	kIRG_TSource	TD-7B68
U+2EDB8	kIRG_TSource	TE-373D
U+2EDBA	kIRG_TSource	TC-5F74
U+2EDBD	kIRG_TSource	TC-6022
U+2EDBE	kIRG_TSource	TD-4541
U+2EDC3	kIRG_TSource	TE-4535
U+2EDDF	kIRG_TSource	TC-4257
U+2EDE0	kIRG_TSource	TC-425E
U+2EDE2	kIRG_TSource	TD-333A
U+2EDE4	kIRG_TSource	TD-464F
U+2EDE7	kIRG_TSource	TD-653B
U+2EDE9	kIRG_TSource	TC-2C32
U+2EDEB	kIRG_TSource	TC-6121
U+2EDF0	kIRG_TSource	TD-6578
U+2EDF2	kIRG_TSource	TB-6F2E
U+2EDF3	kIRG_TSource	TD-7163
U+2EDF4	kIRG_TSource	TE-3E49
U+2EE28	kIRG_TSource	TC-6148
U+2EE29	kIRG_TSource	TD-343D
U+2EE2B	kIRG_TSource	TC-614F
U+2EE2C	kIRG_TSource	TD-4756
U+2EE32	kIRG_TSource	TD-4761
U+2EE33	kIRG_TSource	TD-4762
U+2EE41	kIRG_TSource	TD-583A

U+324D6	kIRG_TSource	TB-7D29
U+32B61	kIRG_TSource	T7-6658
U+32B8C	kIRG_TSource	T7-6660

29) IRG N2849R: Request for Horizontal Extension in the H column of the ISO/IEC 10646 Standard

Comments: Per **Recommendation M65.09** in document IRG N2826, the IRG recommended that Hong Kong SAR's horizontal extension of U+35E9 𪛗, as proposed in document IRG N2849R, be accepted. The document includes as a PDF attachment a TrueType font that provides the new H-source representative glyph for U+35E9 𪛗. The WG therefore recommends that the UTC accept this proposal with Unicode Version 18.0 as the target.

Recommendations: The WG recommends to the UTC the following disposition ➡

Consensus: Accept Hong Kong SAR's horizontal extension of U+35E9, based on Recommendation M65.09 in document IRG N2826 (IRG) and Section 29 of document L2/25-231, for Unicode Version 18.0.

Action Item for Michel Suignard, CJK: Update ISO/IEC 10646's CJKSrc.txt data file to add "HD-35E9" as a new kIRG_HSource property value of U+35E9, based on Recommendation M65.09 in document IRG N2826 and Section 29 of document L2/25-231, and provide to Ken Lunde an updated Unihan18.txt data file, for Unicode Version 18.0.

Action Item for Ken Lunde, CJK: Use the updated Unihan18.txt data file to update the Unihan database, based on Recommendation M65.09 in document IRG N2826 and Section 29 of document L2/25-231, for Unicode Version 18.0.

New:

U+35E9	kIRG_HSource	HD-35E9
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30) IRG N2873: A discussion of the glyph of K6-110B/U+25A2B/U+2B058 and the glyph of GZJW-01380/U+2B058

Comments: Per **Recommendation M65.10** in document IRG N2826, the IRG recommended that ROK's horizontal extension of U+2B058 𪛗 in the CJK Unified Ideographs Extension C block with K-source reference K6-1126, as proposed in Section 3.2 of document IRG N2873, be accepted. The new K-source representative glyph will be provided by 2025-10-31. The WG therefore recommends that the UTC accept this proposal with Unicode Version 18.0 as the target.

Recommendations: The WG recommends to the UTC the following disposition ➡

Consensus: Accept ROK's horizontal extension of U+2B058, based on Recommendation M65.10 in document IRG N2826 (IRG) and Section 30 of document L2/25-231, for Unicode Version 18.0.

Action Item for Michel Suignard, CJK: Update ISO/IEC 10646's CJKSrc.txt data file to add "K6-1126" as a new kIRG_KSource property value of U+2B058, based on Recommendation

M65.10 in document IRG N2826 and Section 30 of document L2/25-231, and provide to Ken Lunde an updated Unihan18.txt data file, for Unicode Version 18.0.

Action Item for Ken Lunde, CJK: Use the updated Unihan18.txt data file to update the Unihan database, based on Recommendation M65.10 in document IRG N2826 and Section 30 of document L2/25-231, for Unicode Version 18.0.

New:

U+2B058

kIRG_KSource

K6-1126

31) IRG N2808R2: G7-source references updates

IRG N2864R: G-Source references updates for 1,538 characters

IRG N2874R: Feedback on IRG N2840

IRG N2876R2: Feedback on IRG N2851/N2853/N2855/N2869/N2730/N2871

Comments: Per **Recommendation M65.11** in document IRG N2826, the IRG recommended that the 1,719 *kIRG_GSource* property value changes, as proposed in documents IRG N2808R2 (163), IRG N2864R (1,538), IRG N2874R (3), and IRG N2876R2 (15), be accepted. The IRG noted that document IRG N2874R includes two *kIRG_GSource* property value changes that are already covered in document IRG N2864R, so “3” is shown in parentheses, not “5.” As noted on page 2 of document IRG N2808R2, this includes changes to the Description of the “G7” source prefix of the *kIRG_GSource* property. And, as noted in Sections 2 and 3 of document IRG N2864R, this includes changes to the Descriptions of the “GCH,” “GCY,” “GHC,” and “GXC” source prefixes of the *kIRG_GSource* property, and changes to the Syntax of the “GCH,” “GCY,” and “GHC” source prefixes of the *kIRG_GSource* property, respectively. The WG therefore recommends that the UTC accept this proposal with Unicode Version 18.0 as the target.

Recommendations: The WG recommends to the UTC the following disposition ➡

Consensus: Accept 1,719 normative *kIRG_GSource* property value changes, based on Recommendation M65.11 in document IRG N2826 (IRG) and Section 31 of document L2/25-231, for Unicode Version 18.0.

Action Item for Michel Suignard, CJK: Update ISO/IEC 10646’s CJKSrc.txt data file to change 1,719 *kIRG_GSource* property values, based on Recommendation M65.11 in document IRG N2826 and Section 31 of document L2/25-231, and provide to Ken Lunde an updated Unihan18.txt data file, for Unicode Version 18.0.

Action Item for Ken Lunde, CJK: Use the updated Unihan18.txt data file to update the Unihan database, based on Recommendation M65.11 in document IRG N2826 and Section 31 of document L2/25-231, for Unicode Version 18.0.

Action Item for Ken Lunde, CJK: Further prepare the Proposed Update of UAX #38 to update the Descriptions of the “G7,” “GCH,” “GCY,” “GHC,” and “GXC” source prefixes of the *kIRG_GSource* property and to update the Syntax of the “GCH,” “GCY,” “GHC,” and “GXC” source prefixes of the *kIRG_GSource* property, based on Recommendation M65.11 in document IRG N2826 and Section 31 of document L2/25-231, for Unicode Version 18.0.

- 32) IRG N2844R: Feedback on IRG N2843**
IRG N2874R: Feedback on IRG N2840
IRG N2875: Feedback on IRG N2845
IRG N2876R2: Feedback on IRG N2851/N2853/N2855/N2869/N2730/N2871
IRG N2889R2: Feedback on IRG N2884, IRG N2838, and IRG N2730

Comments: Per **Recommendation M65.12** in document IRG N2826, the IRG recommended that the 114 G-source representative glyph changes, as proposed in documents IRG N2844R (18), IRG N2874R (4), IRG N2875 (16), IRG N2876R2 (19), and Section 1 of IRG N2889R2 (57), be accepted. The TrueType font that is a PDF attachment of all five documents is identical, and provides all of the updated G-source representative glyphs. The WG therefore recommends that the UTC accept this proposal with Unicode Version 18.0 as the target. The WG further recommends that blue highlighting be applied to U+20457 𐤇, U+211AE 𐤊, U+22843 𐤌, U+23326 𐤎, U+237E5 𐤐, U+246C9 𐤒, U+29167 𐤔, U+2A8D8 𐤖, U+30D12 𐤘, and U+312E7 𐤚 in the code charts.

Recommendations: The WG recommends to the UTC the following disposition ➡

Consensus: Accept the representative glyph changes for 114 G-source ideographs, based on Recommendation M65.12 in document IRG N2826 (IRG) and Section 32 of document L2/25-231, for Unicode Version 18.0.

Action Item for Michel Suignard, CHARTS: Apply the representative glyph changes to 114 G-source ideographs, and apply blue highlighting only to U+20457, U+211AE, U+22843, U+23326, U+237E5, U+246C9, U+29167, U+2A8D8, U+30D12, and U+312E7, based on Recommendation M65.12 in document IRG N2826 and as amended in Section 32 of document L2/25-231, for Unicode Version 18.0.

- 33) IRG N2861: Response on IRG N2860**
IRG N2880: T-Source and Glyph Updates

Comments: Per **Recommendation M65.13** in document IRG N2826, the IRG recommended that the nine T-source reference changes, as proposed in documents IRG N2861 (6) and IRG N2880 (3), be accepted. The WG therefore recommends that the UTC accept this proposal with Unicode Version 18.0 as the target.

Recommendations: The WG recommends to the UTC the following disposition ➡

Consensus: Accept nine normative kIRG_TSource property value changes, based on Recommendation M65.13 in document IRG N2826 (IRG) and Section 33 of document L2/25-231, for Unicode Version 18.0.

Action Item for Michel Suignard, CJK: Update ISO/IEC 10646's CJKSrc.txt data file to change nine kIRG_TSource property values, based on Recommendation M65.13 in document IRG N2826 and Section 33 of document L2/25-231, and provide to Ken Lunde an updated Unihan18.txt data file, for Unicode Version 18.0.

Action Item for Ken Lunde, CJK: Use the updated Unihan18.txt data file to update the Unihan database, based on Recommendation M65.13 in document IRG N2826 and Section 33 of document L2/25-231, for Unicode Version 18.0.

Current:

U+3862	kIRG_TSource	T3-4B6F
U+43DE	kIRG_TSource	T5-2B33
U+4A36	kIRG_TSource	T3-6153
U+4BCE	kIRG_TSource	T3-4F78
U+272F0	kIRG_TSource	T7-496B
U+28453	kIRG_TSource	T4-2524
U+2669C	kIRG_TSource	TF-2D2D
U+2F888	kIRG_TSource	T7-2D55
U+2FA08	kIRG_TSource	T7-2B55

Adjusted:

U+3862	kIRG_TSource	T7-2D55
U+43DE	kIRG_TSource	TF-2D2D
U+4A36	kIRG_TSource	TB-3926
U+4BCE	kIRG_TSource	T7-2B55
U+2669C	kIRG_TSource	T5-2B33
U+272F0	kIRG_TSource	TB-2347
U+28453	kIRG_TSource	TB-2D73
U+2F888	kIRG_TSource	T3-4B6F
U+2FA08	kIRG_TSource	T3-4F78

34) IRG N2842: Glyph issues of U+8FBC
IRG N2861: Response on IRG N2860
IRG N2880: T-Source and Glyph Updates

Comments: Per **Recommendation M65.14** in document IRG N2826, the IRG recommended that the 16 T-source representative glyph changes, as proposed in documents IRG N2842 (1), IRG N2861 (12), and IRG N2880 (3), be accepted. Document IRG N2861 includes as a PDF attachment a TrueType font that provides its 12 updated T-source representative glyphs, along with the one updated T-source representative glyph mentioned in document IRG N2842. Document IRG N2880 includes as a PDF attachment a TrueType font that provides its three updated T-source representative glyphs. The WG therefore recommends that the UTC accept this proposal with Unicode Version 18.0 as the target. The WG further recommends that blue highlighting be applied to U+2148D 壑, U+21502 壘, U+21636 峯, and U+2AA90 虔 in the code charts, and that an errata notice be issued for the T-source representative glyph of U+2AA90 虔.

Recommendations: The WG recommends to the UTC the following disposition ⇒

Consensus: Accept the representative glyph changes for 16 T-source ideographs, based on Recommendation M65.14 in document IRG N2826 (IRG) and Section 34 of document L2/25-231, for Unicode Version 18.0.

Action Item for Michel Suignard, CHARTS: Apply the representative glyph changes to 114 G-source ideographs, and apply blue highlighting only to U+2148D, U+21502, U+21636, and U+2AA90, based on Recommendation M65.14 in document IRG N2826 and as amended in Section 34 of document L2/25-231, for Unicode Version 18.0.

Action Item for Ken Lunde, CHARTS: Draft and post errata notices to the “Updates and Errata” page about the correction of the T-source representative glyphs for U+2AA90, based on Recommendation M65.14 in document IRG N2826 and as amended in Section 34 of document L2/25-231, for Unicode Version 18.0.

35) IRG N2872: KR Response to IRG N2858, Proposal to modify the references of 11 KC-source characters, Wenjie Dong

Comments: Per **Recommendation M65.15** in document IRG N2826, the IRG recommended that the 11 K-source reference changes, as proposed in document IRG N2872, be accepted. The WG therefore recommends that the UTC accept this proposal with Unicode Version 18.0 as the target.

Recommendations: The WG recommends to the UTC the following disposition ➡

Consensus: Accept 11 normative kIRG_KSource property value changes, based on Recommendation M65.15 in document IRG N2826 (IRG) and Section 35 of document L2/25-231, for Unicode Version 18.0.

Action Item for Michel Suignard, CJK: Update ISO/IEC 10646’s CJKSrc.txt data file to change 11 kIRG_KSource property values, based on Recommendation M65.15 in document IRG N2826 and Section 35 of document L2/25-231, and provide to Ken Lunde an updated Unihan18.txt data file, for Unicode Version 18.0.

Action Item for Ken Lunde, CJK: Use the updated Unihan18.txt data file to update the Unihan database, based on Recommendation M65.15 in document IRG N2826 and Section 35 of document L2/25-231, for Unicode Version 18.0.

Current:

U+2DA7A	kIRG_KSource	KC-01744
U+2DD24	kIRG_KSource	KC-02225
U+2E086	kIRG_KSource	KC-05501
U+2E2D5	kIRG_KSource	KC-05608
U+2E466	kIRG_KSource	KC-03669
U+302FC	kIRG_KSource	KC-04955
U+303D6	kIRG_KSource	KC-01086
U+30A0D	kIRG_KSource	KC-03032
U+30CEB	kIRG_KSource	KC-03812
U+30CF6	kIRG_KSource	KC-05473
U+31182	kIRG_KSource	KC-04771

Adjusted:

U+2DA7A	kIRG_KSource	KC-06356
U+2DD24	kIRG_KSource	KC-07062
U+2E086	kIRG_KSource	KC-08090
U+2E2D5	kIRG_KSource	KC-07116
U+2E466	kIRG_KSource	KC-05661
U+302FC	kIRG_KSource	KC-06163
U+303D6	kIRG_KSource	KC-01087
U+30A0D	kIRG_KSource	KC-03000
U+30CEB	kIRG_KSource	KC-03811
U+30CF6	kIRG_KSource	KC-07654

36) IRG N2873: A discussion of the glyph of K6-110B/U+25A2B/U+2B058 and the glyph of GZJW-01380/U+2B058

Comments: Per **Recommendation M65.16** in document IRG N2826, the IRG recommended that the K-source representative glyph change for U+25A2B 龜, as proposed in document IRG N2873, be accepted. The updated K-source representative glyph will be provided by 2025-10-31. The WG therefore recommends that the UTC accept this proposal with Unicode Version 18.0 as the target.

Recommendations: The WG recommends to the UTC the following disposition ⇒

Consensus: Accept the K-source representative glyph change for U+25A2B, based on Recommendation M65.16 in document IRG N2826 (IRG) and Section 36 of document L2/25-231, for Unicode Version 18.0.

Action Item for Michel Suignard, CHARTS: Apply the K-source representative glyph change to U+25A2B with an updated TrueType font provided by ROK, based on Recommendation M65.16 in document IRG N2826 and Section 36 of document L2/25-231, for Unicode Version 18.0.

Other Topics

37) IRG Document Migration Status

Comments: As of **2025-10-20**, the files associated with a total of **1,586** unique IRG document numbers have been migrated or posted to the new [IRG Document Register](#) that is hosted by the Unicode Consortium. All documents for **IRG Meeting #31 and later**—document IRG N1489 and higher—have been migrated. In addition, all available documents from IRG N001 through N750 have been migrated (618 document numbers in that range are not available). Together these figures represent approximately **76%** of the unique IRG document numbers.

Recommendations: The WG recommends to the UTC the following disposition ⇒

No UTC action is required.

38) Updated Provisional Unihan Database Properties

Comments: The purpose of this section is to provide a synopsis of adjustments that were made to provisional Unihan database properties by Ken Lunde since UTC Meeting #184, which are shown in the table below, all of which are reflected in Unicode Version 17.0:

Property	Additions	Removals	Changes	Notes
kPhonetic	213		10	Fine-tuning of property values with stakeholder via pull requests in the open source Unihan Database repository
kSemanticVariant	2			

Property	Additions	Removals	Changes	Notes
kSimplifiedVariant	6			
kSpoofingVariant	2			
kTraditionalVariant	6			

Recommendations: The WG recommends to the UTC the following disposition ➡

Action Item for Josh Hadley, Roozbeh Pournader, PAG: Add U+2EDB5 and U+32A8F as a new confusable pair, based on the kSpoofingVariant two additions specified in the table in Section 38 of document L2/25-231, for a future version of the standard.

That is all.