

Title: CJK & Unihan Working Group Recommendations for UTC Meeting #187

Author: Ken Lunde

Date: 2026-04-11

This document provides the CJK & Unihan Working Group recommendations for UTC Meeting #187, based on a meeting that took place on 2026-04-03 from 6 to 8:30PM PDT, which was attended by Yi Bai, Eiso Chan, Ken Lunde, William Nelson, Roozbeh Pournader, CheonHyeong Sim, Stephan Hyeonjun Stiller, Yang Tao, Harald Tveiten, Xieyang Wang, Yifán Wáng, and Jiping Zhao via Webex. The Chair of the [CJK & Unihan Working Group](#), Ken Lunde, chaired the meeting.

The CJK & Unihan Working Group reviewed public feedback and documents that were received since UTC Meeting #186 took place. 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-20260403.txt*.

Public Feedback

The single item of public feedback from document [L2/25-220](#) that is in this section was re-reviewed and re-discussed by the WG, and for convenience, the following data file, which is a PDF attachment, includes the recommended Unihan database changes:

- *Unihan_IRGSources-changes-20260403.txt*

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

01) 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
KP1-4AD6	U+23402 糸	U+233CB 糸	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 鹽	U+400B 鹽	Layout difference: ①②③ • ①②③

Comments: This feedback was discussed during UTC Meeting #185, and all points were covered in Section 11 of this WG’s recommendations for that meeting, specifically in document [L2/25-231](#). However, when executing the following Action Item that was assigned during that meeting, it was determined that the disposition of U+2B158 should be revisited:

[185-A42] **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](#).

Based on email exchanges between the Chair of the WG and TCA in January, which included another ideograph with a T-source representative glyph change that dates back to earlier versions of the Unicode Standard, specifically U+2B25D 慧, it was agreed that the T-source representative glyphs should remain as-is, but that their metadata should be changed to match the current T-source representative glyphs. See their records on the CNS 11643 website for confirmation:

- U+2B158 嘉: <https://www.cns11643.gov.tw/wordView.jsp?ID=873319>
- U+2B25D 慧: <https://www.cns11643.gov.tw/wordView.jsp?ID=880496>

The WG therefore recommends that the *kRSUnicode* property value of U+2B158 嘉 be changed to 30.12 (currently 123.9), and that the *kRSUnicode* and *kTotalStrokes* property values of U+2B25D 慧 be changed to 140.13 (currently 140.12) and 17 (currently 16), respectively, with Unicode Version 18.0 as the target.

With regard to the disposition of KP-source KP0-CDA9 in the same Public Feedback item, [UTN #50 \(KP-Source Property Value History\) Version 5](#) was published on 2026-01-28 to add the following new entry to the beginning of the first table that documents suboptimal mappings:

KP-Source	Current	Better	Notes
KP0-CDA9	U+5609	U+2B158	Reported by Michel Mariani via ReportID ID20250929183457

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

Consensus: Accept the informative *kRSUnicode* property value change for U+2B158 and the informative *kRSUnicode* and informative *kTotalStrokes* property value changes for U+2B25D, based on feedback [[ID20250929183457](#)] in document [L2/25-220](#) and as amended in Section 01 of document [L2/26-099](#), for Unicode Version 18.0.

Action Item for Ken Lunde, CJK: Update the Unihan database to change the *kRSUnicode* property value of U+2B158 and the *kRSUnicode* and *kTotalStrokes* property values of U+2B25D, based on feedback [[ID20250929183457](#)] in document [L2/25-220](#) and as amended in Section 01 of document [L2/26-099](#), for Unicode Version 18.0.

Action Item for Ken Lunde, CJK: Convey to the feedback submitter the CJK & Unihan Working Group comments in Section 01 of document [L2/26-099](#). See feedback [[ID20250929183457](#)] in document [L2/25-220](#).

Current:

U+2B158	<i>kRSUnicode</i>	123.9
U+2B25D	<i>kRSUnicode</i>	140.12
U+2B25D	<i>kTotalStrokes</i>	16

Adjusted:

U+2B158	kRSUnicode	30.12
U+2B25D	kRSUnicode	140.13
U+2B25D	kTotalStrokes	17

PRI #520 Feedback

The single item of [PRI #520](#) (*Draft UAX #60*) feedback that is in this section was reviewed and discussed by the WG.

02) ID20260212205052

Date/Time: Thur Feb 12 20:50:52 PDT 2026

ReportID: ID20260212205052

Name: John Wilcock

Report Type: Public Review Issue

Opt Subject: **520 - Syntax issues for <https://www.unicode.org/reports/>**

kSEAL_Rad has Delimiter = N/A; however, the header of SealSources.txt notes that "In some rare cases, there may be several space-separated radical values." This is indeed the case (e.g., U+3D3AB kSEAL_Rad 22.3D374 320.3E8E6). Therefore Delimiter should be "Space".

The syntax for kSEAL_THXSrc is

```
TH-(\d{5}|X\d{3}|Y\d{3})
```

However, the closing) is missing:

```
TH-(\d{5}|X\d{3}|Y\d{3})
```

Comments: The WG reviewed and discussed this feedback, and agreed that the Delimiter of *kSEAL_Rad* should be changed from “N/A” to “space,” and that the Syntax of *kSEAL_THXSrc* requires a closing parenthesis. The WG also noted that the “space” in the string “額勒 布藤花樹本” in the Description of *kSEAL_THXSrc* should be removed. These changes should be targeted for Unicode Version 18.0.

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

Action Item for Michel Suignard, SAH: Update Draft UAX #60 to change the Delimiter of *kSEAL_Rad* to “space,” to append a closing parenthesis to the Syntax of *kSEAL_THXSrc*, and to remove the space in the string “額勒 布藤花樹本” in the Description of *kSEAL_THXSrc*, based on PRI #520 feedback [ID20260212205052], and as amended in Section 02 of document L2/26-099, for Unicode Version 18.0.

Action Item for Ken Lunde, CJK: Convey to the feedback submitter the CJK & Unihan Working Group comments in Section 02 of document L2/26-099. See PRI #520 feedback [ID20260212205052].

PRI #534 Feedback

The 15 items of [PRI #534](#) (*Proposed Update UAX #38*) feedback 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:

- *Unihan_IRGSources-changes-20260403.txt*
- *Unihan-additions-20260403.txt*
- *Unihan-changes-20260403.txt*
- *Unihan-removals-20260403.txt*
- *USource-changes-20260403.txt*

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**.

03) ID20260121215518

Date/Time: Wed Jan 21 21:55:18 PT 2026

ReportID: ID20260121215518

Name: Maximilien Mellen

Report Type: PRI Feedback

Opt Subject: **Error in kFourCornerCode for U+71AF (燠)**

I would like to report what I believe is an error in the Unihan database property kFourCornerCode for U+71AF (燠).

Current Value: 9403.4

Expected Value: 9483.4

Reasoning:

Left Component: I note that U+706F (灯) is currently listed as 9182.0. Based on this, I would expect any character with the Fire radical on the left to follow the pattern 9_8_._. I believe the third digit 0 in the current value for 燠 is an error, as the bottom of the Fire radical is typically encoded as 8.

Right Component: The right-hand side is identical to U+6F22 (漢), which is encoded as 3413.4. Therefore, I believe 燠 should logically match the pattern _4_3.4.

Reference: My understanding is supported by Shirakawa Shizuka's dictionary Jitsū (字通), accessed via JapanKnowledge.com, which lists it under the code 9483.

Thank you for your time and for reviewing this correction.

Comments: The WG reviewed and discussed this feedback, and noted that the Chair of the WG checked the 索引 volume of 大漢和辭典, which includes a Four-Corner code index, and 四角號碼新詞典, both of which confirmed that “9483.4” is the correct Four-Corner code for U+71AF

爨. The WG therefore recommends making this change to the provisional *kFourCornerCode* property value of U+71AF 爨 with Unicode Version 18.0 as the target.

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

Action Item for Ken Lunde, CJK: Update the Unihan database to change the *kFourCornerCode* property value of U+71AF, based on PRI #534 feedback [ID20260121215518] and Section 03 of document L2/26-099, for Unicode Version 18.0.

Action Item for Ken Lunde, CJK: Convey to the feedback submitter the CJK & Unihan Working Group comments in Section 03 of document L2/26-099. See PRI #534 feedback [ID20260121215518].

Current:

U+71AF *kFourCornerCode* 9403.4

Adjusted:

U+71AF *kFourCornerCode* 9483.4

04) ID20260131173247

Date/Time: Sat Jan 31 17:32:47 PT 2026

ReportID: ID20260131173247

Name: Eiso Chan

Report Type: PRI Feedback

Opt Subject: **kRSUnicode value for U+2A7EE**

The current *kRSUnicode* value for U+2A7EE is 22.5, which is derived from the Chinese surname 欧阳/歐陽. The radical of 区 and 區 are both R23. The corresponding traditional form (WS2024-00318:GXM-00530 區易) has been included in IRG WS2024 project, and the radical has been confirmed as R23.

Therefore, I suggest updating the *kRSUnicode* value for U+2A7EE as 23.5.

Comments: The WG reviewed and discussed this feedback, and agreed with the suggested *kRSUnicode* property value change, which should be targeted for Unicode Version 18.0.

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

Consensus: Accept the informative *kRSUnicode* property value change for U+2A7EE, based on PRI #534 feedback [ID20260131173247] and Section 04 of document L2/26-099, for Unicode Version 18.0.

Action Item for Ken Lunde, CJK: Update the Unihan database to change the *kRSUnicode* property value of U+2A7EE, based on PRI #534 feedback [ID20260131173247] and Section 04 of document L2/26-099, for Unicode Version 18.0.

Current:

U+2A7EE *kRSUnicode* 22.5

Adjusted:

U+2A7EE *kRSUnicode* **23.5**

05) ID20260205121605

Date/Time: Thur Feb 05 12:16:05 PT 2026

ReportID: ID20260205121605

Name: Michel Mariani

Report Type: PRI Feedback

Opt Subject: **PRI 534 - kSemanticVariant issues**

- In the Unihan_Variants.txt data file for Unicode 17.0, the following entries contain "asymmetrical" kSemanticVariant properties; normally, if A is a semantic variant of B, then it is assumed that B is also a semantic variant of A:

```
U+34C1 kSemanticVariant U+7F51<kMatthews
U+604B kSemanticVariant U+6200<kMatthews
U+7684 kSemanticVariant U+65F3<kSMSZD2003Index:T
U+76D7 kSemanticVariant U+76DC<kMatthews
U+7F54 kSemanticVariant U+7F51<kFenn
U+8AE9 kSemanticVariant U+8B5C
U+9F8D kSemanticVariant U+9F92<kHanYu:T U+2028B<kKangXi:T U+2215B<kKangXi:T
U+20487 kSemanticVariant U+5152
U+2174F kSemanticVariant U+5B2A<kKangXi:TZ
U+244B9 kSemanticVariant U+7217
U+2CEA2 kSemanticVariant U+4E0C
U+2CEA3 kSemanticVariant U+65E6 U+8DB3
U+2CEA4 kSemanticVariant U+6EDA U+6EFE U+7384 U+78D9 U+886E U+889E
U+2CEA5 kSemanticVariant U+5353
U+2CEA6 kSemanticVariant U+9AD8
U+2CEA7 kSemanticVariant U+5149 U+6C34
U+2CEA8 kSemanticVariant U+50CF U+8C61
U+2CEAA kSemanticVariant U+2DE30
U+2CEAC kSemanticVariant U+3F16 U+74E5 U+24B24
U+2CEAD kSemanticVariant U+5E72 U+5E79
U+2EC63 kSemanticVariant U+5C35
```

- This can be fixed by adding these new entries:

```
U+3F16 kSemanticVariant U+2CEAC
U+4E0C kSemanticVariant U+2CEA2
U+50CF kSemanticVariant U+2CEA8
U+5149 kSemanticVariant U+2CEA7
U+5152 kSemanticVariant U+20487
U+5353 kSemanticVariant U+2CEA5
U+5C35 kSemanticVariant U+2EC63
```

U+5E72 kSemanticVariant U+2CEAD
 U+5E79 kSemanticVariant U+2CEAD
 U+65E6 kSemanticVariant U+2CEA3
 U+6EDA kSemanticVariant U+2CEA4
 U+6EFE kSemanticVariant U+2CEA4
 U+7217 kSemanticVariant U+244B9
 U+74E5 kSemanticVariant U+2CEAC
 U+78D9 kSemanticVariant U+2CEA4
 U+8B5C kSemanticVariant U+8AE9
 U+8C61 kSemanticVariant U+2CEA8
 U+8DB3 kSemanticVariant U+2CEA3
 U+24B24 kSemanticVariant U+2CEAC
 U+2DE30 kSemanticVariant U+2CEAA

- And also update (extend) these entries to:

U+5B2A kSemanticVariant U+2174F U+21D13<kKangXi:T
 U+6200 kSemanticVariant U+604B U+24548<kKangXi:T
 U+65F3 kSemanticVariant U+5DA9<kSMSZD2003Index:T U+7684
 U+6C34 kSemanticVariant U+6C35<kMatthews U+2CEA7
 U+7384 kSemanticVariant U+4F2D<kMatthews U+2CEA4
 U+76DC kSemanticVariant U+76D7 U+20A81<kKangXi:T
 U+7F51 kSemanticVariant U+34C1 U+7F54 U+2627D<kKangXi:T
 U+886E kSemanticVariant U+889E<kMatthews U+2CEA4
 U+889E kSemanticVariant U+886E<kMatthews U+2CEA4
 U+9AD8 kSemanticVariant U+9AD9<kFenn U+2CEA6
 U+2028B kSemanticVariant U+6566<kKangXi:TZ U+9F8D

- Note that additional data separated from the added code points by a less-than sign (<) may be needed, but this would require appropriate linguistic expertise then...

- As a side note, be warned that the contact form has been replacing all original tabulation characters by spaces in this report...

Comments: The WG reviewed and discussed this feedback, and agreed that the provisional *kSemanticVariant* property values should be changed and added accordingly, and that these changes and additions should 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 change and add *kSemanticVariant* property values, based on PRI #534 feedback [ID20260205121605] and Section 05 of document L2/26-099, for Unicode Version 18.0.

Action Item for Ken Lunde, CJK: Convey to the feedback submitter the CJK & Unihan Working Group comments in Section 05 of document L2/26-099. See PRI #534 feedback [ID20260205121605].

Current:

U+5B2A	kSemanticVariant	U+21D13<kKangXi:T
U+6200	kSemanticVariant	U+24548<kKangXi:T
U+65F3	kSemanticVariant	U+5DA9<kSMSZD2003Index:T
U+6C34	kSemanticVariant	U+6C35<kMatthews
U+7384	kSemanticVariant	U+4F2D<kMatthews
U+76DC	kSemanticVariant	U+20A81<kKangXi:T
U+7F51	kSemanticVariant	U+2627D<kKangXi:T
U+886E	kSemanticVariant	U+889E<kMatthews
U+889E	kSemanticVariant	U+886E<kMatthews
U+9AD8	kSemanticVariant	U+9AD9<kFenn
U+2028B	kSemanticVariant	U+6566<kKangXi:TZ

Adjusted:

U+5B2A	kSemanticVariant	U+2174F U+21D13<kKangXi:T
U+6200	kSemanticVariant	U+604B U+24548<kKangXi:T
U+65F3	kSemanticVariant	U+5DA9<kSMSZD2003Index:T U+7684
U+6C34	kSemanticVariant	U+6C35<kMatthews U+2CEA7
U+7384	kSemanticVariant	U+4F2D<kMatthews U+2CEA4
U+76DC	kSemanticVariant	U+76D7 U+20A81<kKangXi:T
U+7F51	kSemanticVariant	U+34C1 U+7F54 U+2627D<kKangXi:T
U+886E	kSemanticVariant	U+889E<kMatthews U+2CEA4
U+889E	kSemanticVariant	U+886E<kMatthews U+2CEA4
U+9AD8	kSemanticVariant	U+9AD9<kFenn U+2CEA6
U+2028B	kSemanticVariant	U+6566<kKangXi:TZ U+9F8D

New:

U+3F16	kSemanticVariant	U+2CEAC
U+4E0C	kSemanticVariant	U+2CEA2
U+50CF	kSemanticVariant	U+2CEA8
U+5149	kSemanticVariant	U+2CEA7
U+5152	kSemanticVariant	U+20487
U+5353	kSemanticVariant	U+2CEA5
U+5C35	kSemanticVariant	U+2EC63
U+5E72	kSemanticVariant	U+2CEAD
U+5E79	kSemanticVariant	U+2CEAD
U+65E6	kSemanticVariant	U+2CEA3
U+6EDA	kSemanticVariant	U+2CEA4
U+6EFE	kSemanticVariant	U+2CEA4
U+7217	kSemanticVariant	U+244B9
U+74E5	kSemanticVariant	U+2CEAC
U+78D9	kSemanticVariant	U+2CEA4
U+8B5C	kSemanticVariant	U+8AE9
U+8C61	kSemanticVariant	U+2CEA8
U+8DB3	kSemanticVariant	U+2CEA3
U+24B24	kSemanticVariant	U+2CEAC
U+2DE30	kSemanticVariant	U+2CEAA

06) ID20260206121043

Date/Time: Fri Feb 06 12:10:43 PT 2026

ReportID: ID20260206121043

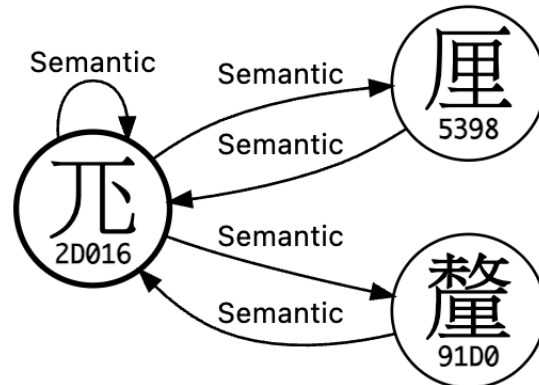
Name: Michel Mariani

Report Type: PRI Feedback

Opt Subject: **PRI 534 - "self-variant" issues in Unihan DB**

In the Unihan_Variants.txt data file, only two entries show unexpected "self-variants":

- U+2D016 𠄎

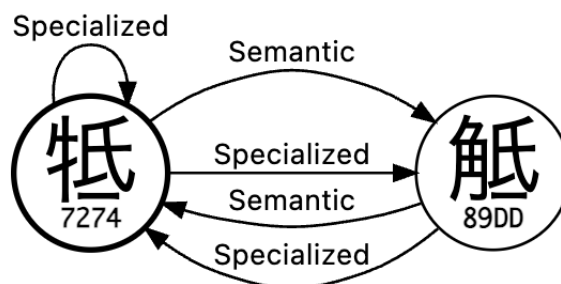


U+2D016 kSemanticVariant U+5398<kFennIndex:T U+91D0<kFennIndex:T
U+2D016<kFennIndex:T

should probably be changed to:

U+2D016 kSemanticVariant U+5398<kFennIndex:T U+91D0<kFennIndex:T

- U+7274 𠄎



U+7274 kSpecializedSemanticVariant U+7274 U+89DD

should probably be changed to:

U+7274 kSpecializedSemanticVariant U+89DD

or, perhaps, the variant U+62B5 𠄎 was intended instead of U+7274 𠄎, in which case more changes would be needed across several entries...

Comments: The WG reviewed and discussed this feedback, and agreed that “U+2D016<kFennIndex:T” should be removed from the provisional *kSemanticVariant* property value of U+2D016 𠄎, that “U+7274” should be removed from the provisional *kSpecializedSemanticVariant* property value of U+7274 𠄎, and that these changes should 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 change the kSpecializedSemanticVariant property value of U+7274 and to change the kSemanticVariant property value of U+2D016, based on PRI #534 feedback [ID20260206121043] and Section 06 of document L2/26-099, for Unicode Version 18.0.

Action Item for Ken Lunde, CJK: Convey to the feedback submitter the CJK & Unihan Working Group comments in Section 06 of document L2/26-099. See PRI #534 feedback [ID20260206121043].

Current:

U+7274	kSpecializedSemanticVariant	U+7274 U+89DD
U+2D016	kSemanticVariant	U+5398<kFennIndex:T U+91D0<kFennIndex:T U+2D016<kFennIndex:T

Adjusted:

U+7274	kSpecializedSemanticVariant	U+89DD
U+2D016	kSemanticVariant	U+5398<kFennIndex:T U+91D0<kFennIndex:T

07) ID20260212212316

Date/Time: Thu Feb 12 21:23:16 PT 2026

ReportID: ID20260212212316

Name: John Wilcock

Report Type: PRI Feedback

Opt Subject: **PRI 534 - Mismatches between delimiter and UCD for UAX38**

Here is a list of properties for where the delimiter attribute is listed as space, but the property only contains a single value. In some cases, this might be desirable for future extensibility, but in other cases, such as kKarlrgren, the property is only single-valued and will not change.

kOtherNumeric

kTayNumeric

kIBMJapan

kIICore

kIRGDaeJaweon

kIRGHanyuDaZidian

kIRGKangXi

kJIS0213

kJis0

kJis1

kKangXi

kKarlrgren

kMainlandTelegraph

kMatthews

kMorohashi

kTaiwanTelegraph
kXerox
kZVariant

Comments: The WG reviewed and discussed this feedback, and noted that the editor of UAX #38 discussed this issue in detail with the feedback submitter, which concluded in agreeing that the Delimiter of the following 23 Unihan database properties can be changed from “space” to “N/A,” because the chances of multiple property values being added in the future is effectively zero:

kCCII
kCheungBauer
kHKGlyph
kIBMJapan
kIICore
kIRGHanyuDaZidian
kJinmeiyōKanji
kJis0
kJIS0213
kJis1
kJoyoKanji
kKarlGren
kKoreanEducationHanja
kKoreanName
kMainlandTelegraph
kMatthews
kOtherNumeric
kTayNumeric
kTGH
kVietnameseNumeric
kXerox
kZhuang
kZhuangNumeric

Among these 23 Unihan database properties, *kIICore* is normative and *kOtherNumeric* is informative, thus requiring a UTC Consensus to make changes to them.

And, among these 23 Unihan database properties, only the Description of the *kOtherNumeric* property in UAX #38 requires an adjustment, specifically to change “One or more values” to “The value” in its first sentence, which is a change that should be made without regard to this feedback.

The following Unihan database properties have the potential to include multiple property values, so the WG recommends rejecting the suggested Delimiter change:

kAlternateTotalStrokes
kCantonese

Once its coverage is expanded, the *kAlternateTotalStrokes* property is guaranteed to have multiple property values. Coming up with the data is time-consuming, hence the reason why its coverage is limited at this time. Also, the *kCantonese* property is in the process of being revamped and expanded, and may end up being like the *kMandarin* property in that it can specify multiple property values.

These changes to UAX #38 should be targeted for Unicode Version 18.0.

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

Consensus: Accept the Delimiter change for the normative kllCore and informative kOtherNumeric properties, from “space” to “N/A,” in UAX #38, and the Description change for the informative kOtherNumeric property in UAX #38, based on PRI #534 feedback [ID20260212212316], and as amended in Section 07 of document L2/26-099, for Unicode Version 18.0.

Action Item for Ken Lunde, CJK: Update PRI #534 (aka Proposed Update UAX #38) to change the Delimiter of 23 Unihan database properties from “space” to “N/A,” and to update the Description of the kOtherNumeric property, based on PRI #534 feedback [ID20260212212316], and as amended in Section 07 of document L2/26-099, for Unicode Version 18.0.

Action Item for Ken Lunde, CJK: Convey to the feedback submitter the CJK & Unihan Working Group comments in Section 07 of document L2/26-099. See PRI #534 feedback [ID20260212212316].

08) ID20260217194501

Date/Time: Tue Feb 17 19:45:01 PT 2026

ReportID: ID20260217194501

Name: Harriet Riddle

Report Type: PRI Feedback

Opt Subject: **PRI 534**

UTC-00882 can be horizontally extended to U+32562, and UTC-00891 can be horizontally extended to U+327F2.

Comments: The WG reviewed and discussed this feedback, and agreed that U+32562 𠄎 and U+327F2 𠄎 can be horizontally extended as suggested:

U+32562	kIRG_USource	UTC-00882
U+327F2	kIRG_USource	UTC-00891

The Chair of the WG added these horizontal extension suggestions to a list of pending horizontal extensions that will be submitted to the IRG in the future. As a side note, the WG is tracking the following three horizontal extensions that can be made after IRG Working Set 2024 has been standardized as a new CJK Unified Ideographs extension block:

- UTC-00881 → IRG Working Set 2024 #04294
- UTC-00886 → IRG Working Set 2024 #00349
- UTC-03118 → IRG Working Set 2024 #02106

In other words, no UTC action is necessary other than to convey these comments to the feedback submitter.

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 08 of document L2/26-099. See PRI #534 feedback [ID20260217194501].

09) ID20260218191747

Date/Time: Wed Feb 18 19:17:47 PT 2026

ReportID: ID20260218191747

Name: Harriet Riddle

Report Type: PRI Feedback

Opt Subject: **PRI 534**

UTC-00531's "General comments" field in USourceData.txt states that it is "Unifiable with U+51E8", while UTC-00595's general comments field states that "U+36EE is a z-variant". Does this imply that UTC-00531 and UTC-00595 could be horizontally extended to U+51E8 and U+36EE, respectively? And if not, would that mean that those fields would need amending?

Comments: The WG reviewed and discussed this feedback, and noted that shape- and component-wise, the closest ideograph to UTC-00531 is U+2F867 嫪, which is a CJK Compatibility Ideograph whose canonical equivalent is U+36EE 嫪. While UTC-00531 and UTC-00595 may be unifiable with U+51E8 and U+36EE, respectively, the WG could not find a UCV (*Unifiable Component Variations*) that would cover these cases. The WG recommends that the wording in the Comments field be adjusted to indicate *possible* unification, and to remove the Y-variant references as they are implied by the Status field and code point. This is also an opportunity to add an IDS, total number of strokes, and first residual stroke value to UTC-00531, and to add the total number of strokes to UTC-00595. These changes should be targeted for Unicode Version 18.0.

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

Action Item for Ken Lunde, CJK: Change the UAX #45 records for UTC-00531 and UTC-00595, based on PRI #534 feedback [ID20260218191747], and as amended in Section 09 of document L2/26-099, for Unicode Version 18.0.

Action Item for Ken Lunde, CJK: Convey to the feedback submitter the CJK & Unihan Working Group comments in Section 09 of document L2/26-099. See PRI #534 feedback [ID20260218191747].

Current:

UTC-00531;Variant;U+98A8;16.3;;;kFennIndex 136.08;Unifiable with U+51E8—both are y-variants of U+98A8;;

UTC-00595;Variant;U+5AC2;38.10;;𡗗女𡗗穴人夕;kFennIndex 430.07;U+5AC2 is a y-variant and U+36EE is a z-variant;;4

Adjusted:

UTC-00531;Variant;U+98A8;16.3;;𡗗𡗗、𡗗;kFennIndex 136.08;**Possibly unifiable with U+51E8;5;4**

UTC-00595;Variant;U+5AC2;38.10;;𠄎女𠄎穴人夕;kFennIndex 430.07;**Possibly unifiable with U+36EE;13;4**

10) ID20260301085627

Date/Time: Sun Mar 01 08:56:27 PT 2026

ReportID: ID20260301085627

Name: Harriet Riddle

Report Type: PRI Feedback

Opt Subject: **PRI 534**

Due to J-source homoglyphy, adding the following might be appropriate.

U+4DB9 kSpoofingVariant U+5C6E

U+5C6E kSpoofingVariant U+4DB9

Comments: The WG reviewed and discussed this feedback, and agreed that these are reasonable additions to the provisional *kSpoofingVariant* property with Unicode Version 18.0 as the target. The WG also noted that they should also be added to UTS #39 as a new confusable pair.

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

Action Item for Ken Lunde, CJK: Update the Unihan database to add *kSpoofingVariant* property values to U+4DB9 and U+5C6E, based on PRI #534 feedback [ID20260301085627] and Section 10 of document L2/26-099, for Unicode Version 18.0.

Action Item for Josh Hadley, Roozbeh Pournader, PAG: Update the UTS #39 confusables.txt data file by adding U+4DB9 and U+5C6E as a new confusable pair, based on PRI #534 feedback [ID20260301085627], and as amended in Section 10 of document L2/26-099, 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 10 of document L2/26-099. See PRI #534 feedback [ID20260301085627].

New:

U+4DB9 kSpoofingVariant U+5C6E

U+5C6E kSpoofingVariant U+4DB9

11) ID20260306032016

Date/Time: Fri Mar 06 03:20:16 PT 2026

ReportID: ID20260306032016

Name: Judith Chen

Report Type: PRI Feedback

Opt Subject: **PRI 534**

Per IRG N2826 and L2/26-009, the G-source representative glyphs for U+211AE and U+2B536 have been updated using the font provided in IRG N2844R. I suggest also updating their source reference values to GHZR-10766.06 and GGFZ-026700, as proposed in IRG N2843, for these values better align with the new glyphs.

Comments: The WG reviewed and discussed this feedback, and China, whose representative attended the meeting, agreed that Unihan database should be updated to apply these normative *kIRG_GSource* property value changes to U+211AE 囧 and U+2B536 凵. The WG therefore recommends making these changes with Unicode Version 18.0 as the target.

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

Consensus: Accept the normative *kIRG_GSource* property value changes for U+211AE and U+2B536, based on PRI #534 feedback [ID20260306032016] and Section 11 of document L2/26-099, for Unicode Version 18.0.

Action Item for Ken Lunde, CJK: Update the Unihan database change the *kIRG_GSource* property values of U+211AE and U+2B536, based on PRI #534 feedback [ID20260306032016] and Section 11 of document L2/26-099, for Unicode Version 18.0.

Action Item for Ken Lunde, CJK: Convey to the feedback submitter the CJK & Unihan Working Group comments in Section 11 of document L2/26-099. See PRI #534 feedback [ID20260306032016].

Current:

U+211AE	<i>kIRG_GSource</i>	GHZ-10711.06
U+2B536	<i>kIRG_GSource</i>	GGH-1022.18

Adjusted:

U+211AE	<i>kIRG_GSource</i>	GHZR-10766.06
U+2B536	<i>kIRG_GSource</i>	GGFZ-026700

12) ID20260316182957

Date/Time: Mon Mar 16 18:29:57 PT 2026

ReportID: ID20260316182957

Name: Harriet Riddle

Report Type: PRI Feedback

Opt Subject: **PRI 534**

The “Property Types § Radical-Stroke Counts” section (section 3.6) lists both ``kRSAdobe_Japan1_6`` and ``kRSUnicode``. Only ``kRSAdobe_Japan1_6`` is actually in the ``RadicalStrokeCounts`` datafile: ``kRSUnicode`` is in ``IRGSources`` (presumably because it's a constituent datafile of ISO10646?).

``kCheungBauer`` provides radical-stroke counts and other info, and is in ``DictionaryLikeData``. ``kRSAdobe_Japan1_6`` also provides Adobe-Japan1 CIDs, analogous to ``kMojjiJoho`` in ``DictionaryLikeData``. ``kRSJapanese``, ``kRSKanWa``, ``kRSKorean`` and ``kRSKangXi`` have been removed.

``RadicalStrokeCounts`` is currently the only Unihan datafile with only one property, and the second-smallest. Section 4.3 (“Listing by Location within Unihan.zip”) specifically disclaims that which properties appear in which Unihan file is not stabilised. Section 2.2 (“Unihan.zip”) states the same.

Question 1: is having a separate ``RadicalStrokeCounts`` datafile which contains only ``kRSAdobe_Japan1_6`` (and does not include ``kRSUnicode``, presumably for

ISO10646-related reasons as mentioned?) potentially causing more confusion than utility?

Question 2: is a `kRSMojiJoho` property worth proposing, since the Moji Jōhō Kiban does contain such data, and they sometimes differ by IVS, e.g. `74.8` for `U+440B+E0100` and `130.8` for `U+440B+E0101`?

Comments: The WG reviewed and discussed this feedback, and responds to the two questions as follows:

1. No. The primary utility of the provisional *kRSAdobe_Japan1_6* property is to provide accurate radical, residual stroke count, and total stroke count data for Adobe-Japan1-6 (currently *Adobe-Japan1-7* that includes no additional glyphs for ideographs) ideographs, and the primary utility of the provisional *kMojiJoho* property is to provide mappings to the *Moji Jōhō Kiban* (文字情報基盤) database. Moving the *kRSAdobe_Japan1_6* property to the *Unihan_DictionaryLikeData.txt* data file, which means removing the *Unihan_RadicalStrokeCounts.txt* data file from *Unihan.zip* in the UCD, would likely cause more confusion than maintaining the *status quo*.
2. No. The Unicode Consortium had limited access to the Moji Jōhō Kiban database that specifically allowed the provisional *kMojiJoho* and *kJapanese* properties to be added to the Unihan database, and the provisional *kMorohashi* property to be updated and expanded. This was done via a special license agreement with *CITPC*. This access does not extend to the radical/stroke data.

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 L2/26-099. See PRI #534 feedback [ID20260316182957].

13) ID20260317200812

Date/Time: Tue Mar 17 20:08:12 PT 2026

ReportID: ID20260317200812

Name: Ken Lunde

Report Type: PRI Feedback

Opt Subject: **PRI #534 Feedback for U+2789F**

To match the discussion record for IRG Working Set 2024 #4670, the *kRSUnicode* property value of U+2789F should be changed from:

147.15

to:

211.7 147.15

The original radical should be kept, because it was used for sorting the Extension B block.

Comments: The WG reviewed and discussed this feedback, and agreed that the *kRSUnicode* property value of U+2789F 覯 should be changed as suggested with Unicode Version 18.0 as the target.

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

Consensus: Accept the informative kRSUnicode property value change for U+2789F, based on PRI #534 feedback [ID20260317200812] and Section 13 of document L2/26-099, for Unicode Version 18.0.

Action Item for Ken Lunde, CJK: Update the UniHan database to change the kRSUnicode property value of U+2789F, based on PRI #534 feedback [ID20260317200812] and Section 13 of document L2/26-099, for Unicode Version 18.0.

Current:

U+2789F kRSUnicode 147.15

Adjusted:

U+2789F kRSUnicode **211.7** 147.15

14) ID20260318141943

Date/Time: Wed Mar 18 14:19:43 PT 2026

ReportID: ID20260318141943

Name: Harriet Riddle

Report Type: PRI Feedback

Opt Subject: **PRI 534**

The line for UK-01430 in USourceData.txt notes that it was resubmitted as WS2021 as UK-20437.

UK-20437 is now encoded at U+32F6B.

Presumably, its status could be changed to ExtJ, although I do not know what that would imply for its source-references. Maybe it could be horizontally extended as UTC-01430, or maybe its source-references ought to be left as they are. In any case, the codepoint U+32F6B could be added to the UK-01430 line in USourceData.txt

Comments: The WG reviewed and discussed this feedback, and noted that the Status field of the UAX #45 data file can refer to another source reference if it is considered identical, and recommends using this convention for this case. In this particular case, the source reference is outside the scope of UAX #45, but the WG considers this to be okay, mainly because both are UK-source ideographs. Also, the Comments field becomes redundant with this change, so it should be cleared as part of this update. These changes should be targeted for Unicode Version 18.

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

Action Item for Ken Lunde, CJK: Change the UAX #45 record for UK-01430, based on PRI #534 feedback [ID20260318141943] and Section 14 of document L2/26-099, for Unicode Version 18.0.

Action Item for Ken Lunde, CJK: Convey to the feedback submitter the CJK & UniHan Working Group comments in Section 14 of document L2/26-099. See PRI #534 feedback [ID20260318141943].

Current:

UK-01430;NoAction;;140.16;;𠄎𠄎龜;UTCDoc L2/15-260 118;**IRG Working Set 2021 03467 UK-20437**;20;3

Adjusted:

UK-01430;**UK-20437**;U+32F6B;140.16;;𠄎𠄎龜;UTCDoc L2/15-260 118;;20;3

15) ID20260321180458

Date/Time: Sat Mar 21 18:04:58 PT 2026

ReportID: ID20260321180458

Name: Harriet Riddle

Report Type: PRI Feedback

Opt Subject: **PRI 534**

UTC-00492 can be horizontally extended to U+3B6E.

UTC-00477 matches two of U+51A4's reference glyphs, and could be horizontally extended.

Some possible IDS sequences for some entries which lack one in USourceData.txt:

UTC-00086: 𠄎𠄎𠄎𠄎𠄎𠄎𠄎𠄎

UTC-00147: 𠄎𠄎𠄎𠄎𠄎𠄎𠄎𠄎

UTC-00148: 𠄎𠄎𠄎𠄎

UTC-00149: 𠄎𠄎𠄎𠄎𠄎𠄎𠄎𠄎

UTC-00158: 𠄎𠄎𠄎𠄎𠄎𠄎𠄎𠄎

UTC-00282: 𠄎𠄎𠄎𠄎𠄎𠄎𠄎𠄎

UTC-00288: 𠄎𠄎𠄎𠄎𠄎𠄎𠄎𠄎

UTC-00336: 𠄎𠄎𠄎𠄎𠄎𠄎𠄎𠄎

UTC-00487: 𠄎𠄎𠄎𠄎𠄎𠄎𠄎𠄎

UTC-00813: 𠄎𠄎𠄎𠄎𠄎𠄎𠄎𠄎

Probably an appropriate addition considering how similar their glyphs are:

U+5F56 kSpoofingVariant U+27C32

U+27C32 kSpoofingVariant U+5F56

Maybe also level-2 UCV candidates: UTC-00133 and UTC-00155 are very similar to U+6B1A and U+25BF5.

The following 17 codepoints could be horizontally extended with existing U-source references.

Most of these already have a kSBGY property matching the value from USourceData.txt.

U+4E12: UTC-00128 (compare UCV #103)

U+6BA9: UTC-00166 (matches G-glyph; kSBGY)

U+748F: UTC-00178 (UCV #373; kSBGY; IDS sequence needs correction to 𠄎𠄎𠄎𠄎𠄎𠄎𠄎𠄎 矢匕)

U+206F1: UTC-00127 (analogous to unifications at U+62F6)

U+2263F: UTC-00283 (UCV #96; kSBGY)

U+228D9: UTC-00269 (UCV #252; kSBGY)
 U+2354D: UTC-00164 (UCV #305; kSBGY)
 U+23742: UTC-00228 (UCV #441; kSBGY)
 U+250A9: UTC-00221 (UCV #390; kSBGY)
 U+26087: UTC-00184 (UCV #194; kSBGY)
 U+26B83: UTC-00212 (analogous to UCV #440; kSBGY)
 U+26C2B: UTC-00171 (UCV #307c; kSBGY)
 U+27B93: UTC-00202 (UCV #441; kSBGY)
 U+27E29: UTC-00204 (UCV #306; kSBGY)
 U+2A4E8: UTC-00157 (UCV #355)
 U+2E0A0: UTC-00238 (matches G-glyph; closer than U+79B6 despite kSBGY)
 U+3011A: UTC-00259 (matches G-glyph; closer than U+206A5 despite kSBGY; G5-342E vs G5-337C)

Some newly-possible U-source horizontal extensions arising from IRGN2910 Appendix B entry 1.7.

Some of these already have a kSBGY property matching the value from USourceData.txt.

U+6550: UTC-00206
 U+22FAB: UTC-00195 (already has matching kSBGY)
 U+23037: UTC-00216
 U+2837F: UTC-00205 (already has matching kSBGY and matching J-glyph)
 U+2D8EF: UTC-00162 (closer than U+22F0B despite kSBGY)

Also, UTC-00188 could be given Variant status for U+3A9C (matching kSBGY, but already UTC-03133).

Comments: The WG reviewed and discussed this feedback, and agreed that 25 of the 26 ideographs can be horizontally extended as suggested (UTC-00128 was deemed too different from U+4E12 𠄎, and was therefore excluded):

U+3B6E	kIRG_USource	UTC-00492
U+51A4	kIRG_USource	UTC-00477
U+6550	kIRG_USource	UTC-00206
U+6B1A	kIRG_USource	UTC-00133
U+6BA9	kIRG_USource	UTC-00166
U+748F	kIRG_USource	UTC-00178
U+206F1	kIRG_USource	UTC-00127
U+2263F	kIRG_USource	UTC-00283
U+228D9	kIRG_USource	UTC-00269
U+22FAB	kIRG_USource	UTC-00195
U+23037	kIRG_USource	UTC-00216
U+2354D	kIRG_USource	UTC-00164
U+23742	kIRG_USource	UTC-00228
U+250A9	kIRG_USource	UTC-00221
U+25BF5	kIRG_USource	UTC-00155
U+26087	kIRG_USource	UTC-00184
U+26B83	kIRG_USource	UTC-00212
U+26C2B	kIRG_USource	UTC-00171

U+27B93	kIRG_USource	UTC-00202
U+27E29	kIRG_USource	UTC-00204
U+2837F	kIRG_USource	UTC-00205
U+2A4E8	kIRG_USource	UTC-00157
U+2D8EF	kIRG_USource	UTC-00162
U+2E0A0	kIRG_USource	UTC-00238
U+3011A	kIRG_USource	UTC-00259

The Chair of the WG added these horizontal extension suggestions to the list of pending horizontal extensions that will be submitted to the IRG in the future.

The WG agreed that the IDS additions (10) and change (1) made sense, and also noted that total stroke values should be added to all of them, including UTC-00188 whose Status should be changed to Variant and U+3A9C as the code point, and that first residual stroke values should be added to the last four. The WG also noted that the radical-stroke value of UTC-00813 should also be changed to 75.7 to follow the IRG’s stroke-counting conventions. The WG also agreed that the suggested *kSpoofingVariant* property value additions for U+5F56 彖 and U+27C32 彖 are reasonable, and that they should also be added to UTS #39 as a new confusable pair. With the exception of the confusable pair, these changes and additions should be targeted for Unicode Version 18.0.

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

Action Item for Ken Lunde, CJK: Change 12 UAX #45 records, based on PRI #534 feedback [ID20260321180458], and as amended in Section 15 of document L2/26-099, for Unicode Version 18.0.

Action Item for Ken Lunde, CJK: Update the Unihan database to add *kSpoofingVariant* property values to U+5F56 and U+27C32, based on PRI #534 feedback [ID20260321180458] and Section 15 of document L2/26-099, for Unicode Version 18.0.

Action Item for Josh Hadley, Roozbeh Pournader, PAG: Update the UTS #39 confusables.txt data file by adding U+5F56 and U+27C32 as a new confusable pair, based on PRI #534 feedback [ID20260321180458], and as amended in Section 15 of document L2/26-099, 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 15 of document L2/26-099. See PRI #534 feedback [ID20260321180458].

Current—*USourceData.txt*:

```

UTC-00086;NoAction;;12.8;;;DYC 627.111;;;2
UTC-00147;NoAction;;31.0;;;DYC 575.112;;;2
UTC-00148;NoAction;;83.1;;;DYC 627.110;;;1
UTC-00149;NoAction;;63.2;;;DYC 627.111;;;3
UTC-00158;NoAction;;32.13;;;DYC 694.212;;;1
UTC-00178;NoAction;;96.13;;;王彘;kSBGY 375.20,378.42;;;5
UTC-00188;NoAction;;65.9;;;耑支;kSBGY 246.15;;;2
UTC-00282;NoAction;;70.3;;;DYC 308.441;;;3
UTC-00288;Rejected;;27.23;;;WL E09E;;;
UTC-00336;NoAction;;18.4;;;kLau 1027a;;;
UTC-00487;NoAction;;4.2;;;kMeyerWempe 3370;;;
UTC-00813;Rejected;;75.6;;;WL E180;;;

```

Adjusted—USourceData.txt:

UTC-00086;NoAction;;;12.8;;𠄎𠄎𠄎𠄎𠄎;DYC 627.111;;**10**;2
UTC-00147;NoAction;;;31.0;;𠄎𠄎𠄎𠄎𠄎;DYC 575.112;;**5**;2
UTC-00148;NoAction;;;83.1;;𠄎𠄎;DYC 627.110;;**5**;1
UTC-00149;NoAction;;;63.2;;𠄎𠄎𠄎𠄎𠄎;DYC 627.111;;**5**;3
UTC-00158;NoAction;;;32.13;;𠄎𠄎𠄎;DYC 694.212;;**16**;1
UTC-00178;NoAction;;;96.13;;𠄎𠄎𠄎𠄎𠄎𠄎𠄎;kSBGY 375.20,378.42;;**17**;5
UTC-00188;**Variant**;U+3A9C;65.9;;𠄎𠄎;kSBGY 246.15;;**13**;2
UTC-00282;NoAction;;;70.3;;𠄎𠄎;DYC 308.441;;**7**;3
UTC-00288;Rejected;;;27.23;;𠄎𠄎𠄎𠄎𠄎;WL E09E;;**25**;2
UTC-00336;NoAction;;;18.4;;𠄎𠄎;kLau 1027a;;**6**;5
UTC-00487;NoAction;;;4.2;;𠄎𠄎;kMeyerWempe 3370;;**3**;3
UTC-00813;Rejected;;;75.**7**;;𠄎𠄎𠄎;WL E180;;**11**;3

New:

U+5F56	kSpooingVariant	U+27C32
U+27C32	kSpooingVariant	U+5F56

16) ID20260328173209

Date/Time: Sat Mar 28 17:32:09 PT 2026

ReportID: ID20260328173209

Name: Harriet Riddle

Report Type: PRI Feedback

Opt Subject: **PRI 534**

Some consolidated observations from analysis of some more entries in the U-source ideographs database, mostly those with NoAction status and no related codepoint listed:

UTC-00607 is identical to UK-01490 (U+30BA4); UK-01490 is also in the U-source database, so UTC-00607's status could be changed from Rejected to UK-01490.

UTC-03076 has Rejected status, presumably because it's a variant of UTC-03075? (The two even have the same IDS sequence listed, although 𠄎𠄎𠄎 might be a more accurate IDS for UTC-03076.) If so, its status could be changed to Variant with reference to U+322B9, now that UTC-03075 has been encoded.

UTC-00088's kHanYu value points to a virtual position after U+6291's entry, and the UTC-00088 glyph closely resembles one of the ancient script forms shown in that HDZ entry. So UTC-00088 could be changed to Variant status with reference to U+6291 (its IDS could also be simplified to 𠄎𠄎, with U+2244F).

UTC-00687's kHanYu value of 20920.050 is one of U+5B9C's two kHanYu values, so its status could be changed to Variant with reference to U+5B9C.

The following U-source ideographs which contain U+26E4C as a component could have their status changed from NoAction to Variant with reference to an existing Unicode character containing U+8806 or U+27363:

UTC-00138 (U+24EF9 variant); UTC-00141 (U+21FCB variant); UTC-00319 (U+2865A variant)

kSBGY's documentation (in UAX #38) notes that the mappings to Unicode codepoints are sometimes approximate (i.e. potentially to a close variant) in cases where the exact form doesn't exist in Unicode. Thus, the following U-source ideographs could have their status changed from NoAction to Variant based on which existing (non-unifiable) Unicode character they share a kSBGY value with (which might be the only kSBGY value of the existing codepoint, or it might be one of multiple):

UTC-00176, UTC-00177, UTC-00179, UTC-00180, UTC-00187, UTC-00190, UTC-00201, UTC-00207, UTC-00209, UTC-00211, UTC-00218, UTC-00219, UTC-00222, UTC-00223, UTC-00224, UTC-00226, UTC-00227, UTC-00229, UTC-00230, UTC-00232, UTC-00236, UTC-00239, UTC-00240, UTC-00241, UTC-00243, UTC-00244, UTC-00251, UTC-00253, UTC-00254, UTC-00256, UTC-00260, UTC-00263, UTC-00267, UTC-00270, UTC-00272, UTC-00273, UTC-00274, UTC-00276, UTC-00277, UTC-00280, UTC-00284.

Additionally, UTC-00163 and U+4153 have the same kSBGY, but UTC-00163 also seems like it might be a U+2354C variant, so I've cautiously not included it in the list above. Similarly, UTC-00261 has one of U+63E9's kSBGY values, but UTC-00261 also seems like it might be a U+22777 variant, so I've cautiously not included it in the list above.

U+29921 and UTC-00265 both have kSBGY of 140.27 despite extremely different glyphs, and U+220F3 and UTC-00266 both have kSBGY of 149.18 despite extremely different glyphs; those two do not seem to fit the criteria for U-source "Variant" status as described in UAX #45 (although that needn't necessarily preclude referencing those as the related codepoint without changing the status), and so I have not included them in the list above.

Some further possible U-source horizontal extensions:

U+3FBF: UTC-00488 (UCV #355)
U+6EFA: UTC-00438 (UCV #305)
U+8803: UTC-00341 (matches some of the existing glyphs)
U+8D0B: UTC-00480 (matches the existing glyphs)
U+202AC: UTC-00257 (UCV #343)
U+27355: UTC-00194 (UCV #343)
U+28AD1: UTC-00432 (matches the existing glyphs)
U+2ED7D: UTC-00347
U+3191C: UTC-00672
U+31DB5: UTC-00719
U+31F0D: UTC-00731
U+31FA4: UTC-00321 (UCV #179, UCV #305)

A few NoAction status U-source ideographs, without kSBGY or kHanYu, where it might be possible to reference a related codepoint and/or change to Variant status:

UTC-00124 (maybe related to U+268FC?), UTC-00130 (maybe related to U+22029?), UTC-00134 (U+672C variant), UTC-00139 (U+24D67 variant?), UTC-00140 (U+5169 variant?), UTC-00151 (U+7D78 variant?), UTC-00153 (U+7DDA variant?).

Also: UTC-01237 may be related to U+3049B (UTC L2/15-098R3 and the original UTC L2/15-177 state simply "Couldn't find printed evidence", and UTC L2/15-177R omits it).

Comments: The WG reviewed and discussed this feedback, and agreed that the 12 ideographs can be horizontally extended as suggested:

U+3FBF	kIRG_USource	UTC-00488
U+6EFA	kIRG_USource	UTC-00438
U+8803	kIRG_USource	UTC-00341
U+8D0B	kIRG_USource	UTC-00480
U+202AC	kIRG_USource	UTC-00257
U+27355	kIRG_USource	UTC-00194
U+28AD1	kIRG_USource	UTC-00432
U+2ED7D	kIRG_USource	UTC-00347
U+3191C	kIRG_USource	UTC-00672
U+31DB5	kIRG_USource	UTC-00719
U+31F0D	kIRG_USource	UTC-00731
U+31FA4	kIRG_USource	UTC-00321

The Chair of the WG added these horizontal extension suggestions to the list of pending horizontal extensions that will be submitted to the IRG in the future.

In addition, the WG recommends changing the records of 53 U-source ideographs based on this feedback, along with adding total stroke values to all of them, adding first residual stroke values to UTC-00687 and UTC-03076, correcting the first residual stroke values of UTC-00207, UTC-00211, UTC-00219, UTC-00232, UTC-00251, and UTC-00319, and correcting the radical-stroke values of UTC-00222, UTC-00232, and UTC-00274. These changes should be targeted for Unicode Version 18.0.

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

Action Item for Ken Lunde, CJK: Change 53 UAX #45 records, based on PRI #534 feedback [ID20260328173209], and as amended in Section 16 of document L2/26-099, for Unicode Version 18.0.

Action Item for Ken Lunde, CJK: Convey to the feedback submitter the CJK & Unihan Working Group comments in Section 16 of document L2/26-099. See PRI #534 feedback [ID20260328173209].

Current:

UTC-00088;NoAction;;;64.6;;𠄎; kHanYu 31841.071;;;3
UTC-00124;NoAction;;;1.6;;𠄎; 𠄎; 𠄎; 人; DYC 137.221;;;3
UTC-00138;NoAction;;;104.15;;𠄎; 𠄎; DYC 350.310;;;2
UTC-00140;NoAction;;;1.7;;𠄎; 𠄎; DYC 354.410;;;2
UTC-00141;NoAction;;;46.15;;𠄎; 山; DYC 440.410;;;2
UTC-00151;NoAction;;;147.4;;𠄎; 冬; DYC 643.321;;;5
UTC-00153;NoAction;;;52.10;;𠄎; 冬; DYC 656.121;;;2
UTC-00176;NoAction;;;108.7;;𠄎; 𠄎; kSBGY 051.09;;;4
UTC-00177;NoAction;;;106.11;;𠄎; 𠄎; kSBGY 351.48;;;4
UTC-00179;NoAction;;;116.11;;𠄎; 𠄎; kSBGY 510.22;;;4

UTC-00180;NoAction;;;118.20;;竹瀝;kSBGY 132.10;;;4
 UTC-00187;NoAction;;;124.6;;羽戎;kSBGY 474.50;;;1
 UTC-00190;NoAction;;;132.12;;臭奈;kSBGY 387.15;;;1
 UTC-00201;NoAction;;;149.9;;言牽;kSBGY 430.21;;;1
 UTC-00207;NoAction;;;167.10;;金兔;kSBGY 115.19;;;3
 UTC-00209;NoAction;;;173.15;;霽晶;kSBGY 465.55;;;2
 UTC-00211;NoAction;;;182.10;;風荔;kSBGY 374.54;;;1
 UTC-00218;NoAction;;;76.17;;龜欠;kSBGY 535.60;;;1
 UTC-00219;NoAction;;;47.4;;亡爪;kSBGY 181.11;;;5
 UTC-00222;NoAction;;;120.14;;咸次糸;kSBGY 229.38;;;1
 UTC-00223;NoAction;;;184.7;;土食 𠂔;kSBGY 390.04;;;1
 UTC-00224;NoAction;;;37.6;;大二日;kSBGY 375.04,495.45;;;1
 UTC-00226;NoAction;;;62.12;;戕春;kSBGY 278.06;;;1
 UTC-00227;NoAction;;;41.6;;日八寸;kSBGY 390.30;;;2
 UTC-00229;NoAction;;;75.17;;木罨;kSBGY 430.07;;;4
 UTC-00230;NoAction;;;75.11;;末 目目;kSBGY 074.33;;;1
 UTC-00232;NoAction;;;85.16;;𠂔 闕;kSBGY 524.14;;;5
 UTC-00236;NoAction;;;19.14;;男力男;kSBGY 296.35;;;2
 UTC-00239;NoAction;;;118.15;;竹贊;kSBGY 286.11;;;1
 UTC-00240;NoAction;;;69.15;;竹臭斤;kSBGY 376.02,376.39;;;3
 UTC-00241;NoAction;;;18.9;;𠂔 止 𠂔;kSBGY 180.15;;;2
 UTC-00243;NoAction;;;140.16;;𠂔 椎木;kSBGY 147.29;;;1
 UTC-00244;NoAction;;;37.12;;𠂔 𠂔 𠂔 𠂔;kSBGY 093.28;;;2
 UTC-00251;NoAction;;;128.9;;𠂔 𠂔 𠂔 𠂔 𠂔 𠂔;kSBGY 386.06;;;1
 UTC-00253;NoAction;;;44.15;;𠂔 尼木棄;kSBGY 250.31;;;3
 UTC-00254;NoAction;;;119.15;;𠂔 禾 𠂔 𠂔 果米;kSBGY 310.06;;;3
 UTC-00256;NoAction;;;27.8;;𠂔 阜;kSBGY 097.50;;;3
 UTC-00260;NoAction;;;18.3;;𠂔 刃 𠂔;kSBGY 175.34;;;5
 UTC-00263;NoAction;;;39.8;;𠂔 姁子;kSBGY 193.14;;;5
 UTC-00267;NoAction;;;50.10;;𠂔 帚旬;kSBGY 439.41;;;5
 UTC-00270;NoAction;;;62.7;;𠂔 戍各;kSBGY 512.17;;;3
 UTC-00272;NoAction;;;69.5;;𠂔 斤皮;kSBGY 511.46;;;5
 UTC-00273;NoAction;;;140.16;;𠂔 𠂔 𠂔;kSBGY 243.32;;;2
 UTC-00274;NoAction;;;42.8;;𠂔 小兒;kSBGY 411.09;;;3
 UTC-00276;NoAction;;;44.6;;𠂔 尸禿;kSBGY 407.42;;;1
 UTC-00277;NoAction;;;46.4;;𠂔 山六;kSBGY 454.30;;;4
 UTC-00280;NoAction;;;32.16;;𠂔 土聯;kSBGY 103.44;;;1
 UTC-00284;NoAction;;;140.4;;𠂔 𠂔 𠂔;kSBGY 162.20;;;2
 UTC-00319;NoAction;;;162.15;;𠂔 𠂔 𠂔;DYC 070.231;;;1
 UTC-00607;Rejected;;;130.6;;𠂔 月关;kFennIndex 507.04;;;4
 UTC-00687;NoAction;;;40.4;;𠂔 𠂔 互;kHanYu 20920.050;;;1
 UTC-01237;NoAction;;;75.14;;𠂔 木慤;UTCDoc L2/15-177 36;;;1
 UTC-03076;Rejected;;;181'.3;;𠂔 𠂔 𠂔;UTCDoc L2/17-062 96;;;1

Adjusted:

UTC-00088;**Variant;U+6291**;64.6;;𠂔 𠂔 𠂔;kHanYu 31841.071;;;7;3
 UTC-00124;**Variant;U+268FC**;1.6;;𠂔 一 𠂔 𠂔 𠂔 人 一 一;DYC 137.221;;;7;3
 UTC-00138;**Variant;U+24EF9**;104.15;;𠂔 𠂔 𠂔;DYC 350.310;;;20;2
 UTC-00140;**Variant;U+5169**;1.7;;𠂔 一 𠂔 𠂔;DYC 354.410;;;8;2
 UTC-00141;**Variant;U+21FCB**;46.15;;𠂔 山 𠂔;DYC 440.410;;;18;2
 UTC-00151;**Variant;U+7D78**;147.4;;𠂔 𠂔 𠂔;DYC 643.321;;;11;5
 UTC-00153;**Variant;U+7DDA**;52.10;;𠂔 𠂔 𠂔;DYC 656.121;;;13;2
 UTC-00176;**Variant;U+2507C**;108.7;;𠂔 𠂔 𠂔;kSBGY 051.09;;;12;4
 UTC-00177;**Variant;U+26922**;106.11;;𠂔 𠂔 𠂔;kSBGY 351.48;;;16;4
 UTC-00179;**Variant;U+259EE**;116.11;;𠂔 𠂔 𠂔;kSBGY 510.22;;;16;4
 UTC-00180;**Variant;U+25DF0**;118.20;;竹瀝;kSBGY 132.10;;;26;4

UTC-00187; **Variant; U+4380**; 124.6; ; 羽戎; kSBGY 474.50; ; **12**; 1
 UTC-00190; **Variant; U+26927**; 132.12; ; 臭奈; kSBGY 387.15; ; **18**; 1
 UTC-00201; **Variant; U+27A2B**; 149.9; ; 言牵; kSBGY 430.21; ; **16**; 1
 UTC-00207; **Variant; U+4949**; 167.10; ; 金冤; kSBGY 115.19; ; **18**; 4
 UTC-00209; **Variant; U+2915F**; 173.15; ; 霁晶; kSBGY 465.55; ; **23**; 2
 UTC-00211; **Variant; U+29621**; 182.10; ; 風荔; kSBGY 374.54; ; **19**; 2
 UTC-00218; **Variant; U+23936**; 76.17; ; 鼃欠; kSBGY 535.60; ; **22**; 1
 UTC-00219; **Variant; U+5DDF**; 47.4; ; 亡爪; kSBGY 181.11; ; **7**; 4
 UTC-00222; **Variant; U+4320**; 120.15; ; 咸次糸; kSBGY 229.38; ; **21**; 1
 UTC-00223; **Variant; U+296E5**; 184.7; ; 土食 𠂔; kSBGY 390.04; ; **16**; 1
 UTC-00224; **Variant; U+369B**; 37.6; ; 大二日; kSBGY 375.04, 495.45; ; **9**; 1
 UTC-00226; **Variant; U+229E8**; 62.12; ; 戕春; kSBGY 278.06; ; **16**; 1
 UTC-00227; **Variant; U+3775**; 41.6; ; 日八寸; kSBGY 390.30; ; **9**; 2
 UTC-00229; **Variant; U+3867**; 75.17; ; 木簪; kSBGY 430.07; ; **21**; 4
 UTC-00230; **Variant; U+2368F**; 75.11; ; 未 目目; kSBGY 074.33; ; **15**; 1
 UTC-00232; **Variant; U+2410E**; 85.17; ; 𠂔 𠂔; kSBGY 524.14; ; **20**; 2
 UTC-00236; **Variant; U+5B32**; 19.14; ; 男力男; kSBGY 296.35; ; **16**; 2
 UTC-00239; **Variant; U+7C6B**; 118.15; ; 竹贊; kSBGY 286.11; ; **21**; 1
 UTC-00240; **Variant; U+230CD**; 69.15; ; 竹臭斤; kSBGY 376.02, 376.39; ; **19**; 3
 UTC-00241; **Variant; U+34FB**; 18.9; ; 𠂔 止 𠂔; kSBGY 180.15; ; **11**; 2
 UTC-00243; **Variant; U+6AF5**; 140.16; ; 𠂔 椎木; kSBGY 147.29; ; **20**; 1
 UTC-00244; **Variant; U+21685**; 37.12; ; 𠂔 𠂔 𠂔 大; kSBGY 093.28; ; **15**; 2
 UTC-00251; **Variant; U+265A5**; 128.9; ; 𠂔 𠂔 𠂔 又耳; kSBGY 386.06; ; **15**; 2
 UTC-00253; **Variant; U+21CED**; 44.15; ; 𠂔 尼木棄; kSBGY 250.31; ; **18**; 3
 UTC-00254; **Variant; U+42AC**; 119.15; ; 𠂔 禾 𠂔 厂果米; kSBGY 310.06; ; **21**; 3
 UTC-00256; **Variant; U+22239**; 27.8; ; 𠂔 厂阜; kSBGY 097.50; ; **10**; 3
 UTC-00260; **Variant; U+206C2**; 18.3; ; 𠂔 刃 𠂔; kSBGY 175.34; ; **5**; 5
 UTC-00263; **Variant; U+217A6**; 39.8; ; 𠂔 姁子; kSBGY 193.14; ; **11**; 5
 UTC-00267; **Variant; U+22107**; 50.10; ; 𠂔 帚句; kSBGY 439.41; ; **13**; 5
 UTC-00270; **Variant; U+39B4**; 62.7; ; 𠂔 戍各; kSBGY 512.17; ; **11**; 3
 UTC-00272; **Variant; U+3FED**; 69.5; ; 𠂔 斤皮; kSBGY 511.46; ; **9**; 5
 UTC-00273; **Variant; U+8624**; 140.16; ; 𠂔 𠂔 𠂔; kSBGY 243.32; ; **20**; 2
 UTC-00274; **Variant; U+21B6A**; 42.9; ; 𠂔 小兒; kSBGY 411.09; ; **12**; 3
 UTC-00276; **Variant; U+21C42**; 44.6; ; 𠂔 尸𠂔; kSBGY 407.42; ; **9**; 1
 UTC-00277; **Variant; U+21D06**; 46.4; ; 𠂔 山六; kSBGY 454.30; ; **7**; 4
 UTC-00280; **Variant; U+58E3**; 32.16; ; 𠂔 土聯; kSBGY 103.44; ; **19**; 1
 UTC-00284; **Variant; U+2263F**; 140.4; ; 𠂔 𠂔 𠂔; kSBGY 162.20; ; **8**; 2
 UTC-00319; **Variant; U+2865A**; 162.15; ; 𠂔 𠂔 𠂔; DYC 070.231; ; **19**; 2
 UTC-00607; **UK-01490; U+30BA4**; 130.6; ; 𠂔 月关; kFennIndex 507.04; ; **10**; 4
 UTC-00687; **Variant; U+5B9C**; 40.4; ; 𠂔 𠂔 互; kHanYu 20920.050; ; **7**; 1
 UTC-01237; **Variant; U+3049B**; 75.14; ; 𠂔 木𠂔; UTCDoc L2/15-177 36; ; **18**; 1
 UTC-03076; **Variant; U+322B9**; 181'.3; ; 𠂔 又页; UTCDoc L2/17-062 96; ; **9**; 3

17) ID20260331115134

Date/Time: Tue Mar 31 11:51:34 PT 2026

ReportID: ID20260331115134

Name: Judith Chen

Report Type: PRI Feedback

Opt Subject: **PRI 534**

IRG N2855 proposed a series of changes to the Unihan database, but they are not reflected in Unicode 18.0 Alpha. Therefore, based on the analysis in IRG N2855, I would like to repropose the following changes:

- U+6287
 - kGSR: (empty) -> 0304e
 - kHanYu: 31837.020 -> 31837.030
 - kIRGHanyuDaZidian: 31837.020 -> 31837.030
 - kHanyuPinyin: (empty) -> 31837.030:hú,gǔ
- U+22A8F
 - kGSR: 0304e -> (empty)
 - kHanYu: 31837.030 -> 31837.020
 - kIRGHanyuDaZidian: 31837.030 -> 31837.020
 - kKangXi: 0420.170 -> 0420.160
 - kHanyuPinyin: 31837.030:hú,gǔ -> (empty)

In addition, I recommend that the V-source reference values and representative glyphs for U+6287 and U+22A8F be swapped, and the J-source reference value and representative glyph for U+22A8F be moved to U+6287, based on the analysis in IRG N2855.

Should Vietnam agree with the changes proposed above, I suggest the following further updates:

- U+6287
 - kVietnamese: nhật -> vét
- U+22A8F
 - kVietnamese: (empty) -> nhật

Should Japan agree with the change proposed above, I suggest the following further updates:

- U+6287
 - kMojiJoho: (empty) -> MJ036722
 - kJapanese: (empty) -> コツ ゴチ コチ ケツ ガチ ほる
- U+22A8F
 - kMojiJoho: MJ036722 -> (empty)
 - kJapanese: コツ ゴチ コチ ケツ ガチ ほる -> (empty)

That is all.

Comments: The WG reviewed and discussed this feedback, and agreed that the first set of removals, changes, and additions can be made with Unicode Version 18.0 as the target. The remaining proposed changes, which involve IRG source reference changes and representative glyph changes, should be deferred to IRG Meeting #67. Vietnam indicated that they need more time to discuss the proposed changes, and Japan is unlikely to be willing to make any changes, which is understandable based on prior exchanges.

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

Action Item for Ken Lunde, CJK: Update the Unihan database to remove, change, and add various property values, based on PRI #534 feedback [ID20260331115134], and as amended in Section 17 of document L2/26-099, for Unicode Version 18.0.

Action Item for Ken Lunde, CJK: Convey to the feedback submitter the CJK & Unihan Working Group comments in Section 17 of document L2/26-099. See PRI #534 feedback [ID20260331115134].

Current:

U+6287	kHanYu	31837.020
U+6287	kIRGHanyuDaZidian	31837.020
U+22A8F	kGSR	0304e
U+22A8F	kHanYu	31837.030
U+22A8F	kIRGHanyuDaZidian	31837.030
U+22A8F	kKangXi	0420.170
U+22A8F	kHanyuPinyin	31837.030:hú,gǔ

Remove:

U+22A8F	kGSR	0304e
U+22A8F	kHanyuPinyin	31837.030:hú,gǔ

Adjusted:

U+6287	kHanYu	31837. 030
U+6287	kIRGHanyuDaZidian	31837. 030
U+22A8F	kHanYu	31837. 020
U+22A8F	kIRGHanyuDaZidian	31837. 020
U+22A8F	kKangXi	0420. 160

New:

U+6287	kGSR	0304e
U+6287	kHanyuPinyin	31837.030:hú,gǔ

PRI #536 Feedback

The two items of [PRI #536](#) (*Unicode 18.0 Alpha Review*) feedback that are in this section were reviewed and discussed by the WG.

18) ID20260305122505

Date/Time: Thur Mar 05 12:25:05 PT 2026

ReportID: ID20260305122505

Name: Judith Chen

Report Type: Public Review Issue

Opt Subject: **PRI 536 [CJK]**

Per IRG N2826 and L2/26-009, the G-source representative for U+2A917 should be updated using the font attached in IRG N2844R. However, this is not reflected in the Code Charts of Unicode 18.0 Alpha.

Comments: The WG reviewed and discussed this feedback, and noted that the Chair of the WG forwarded this feedback to Michel Suignard on 2026-03-10, and he replied on 2026-03-22 to confirm that this was an error on his part, but that the issue has been corrected for the code charts that will be included in the Unicode Version 18.0 Beta review. In other words, no UTC action is necessary other than to convey these comments to the feedback submitter.

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 18 of document L2/26-099. See PRI #536 feedback [ID20260305122505].

19) ID20260306034911

Date/Time: Fri Mar 06 03:49:11 PT 2026

ReportID: ID20260306034911

Name: Judith Chen

Report Type: Public Review Issue

Opt Subject: **PRI 536 [CJK]**

The current G-source glyph for U+2B876 does not follow China's regional conventions or the original evidence in IRG N1519. Therefore, I recommend that the G-source glyph be normalised.

Comments: The WG reviewed and discussed this feedback, and China, whose representative attended the meeting, agreed that the G-source representative glyph of U+2B876 𪛗 should be changed per the feedback. The issue is with its last two strokes, which should be detached and look more like 𠃉 / 𠃊. For reference, the current G-source representative glyph in the code charts for Unicode Version 17.0 is shown below:

2B876

二 7.11



GGH-1000.16

China will provide the updated G-source representative glyph by 2026-04-30. The WG therefore recommends that the UTC accept this G-source representative glyph change with Unicode Version 18.0 as the target.

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

Consensus: Accept the G-source representative glyph change for U+2B876, based on PRI #536 feedback [ID20260306034911] and Section 19 of document L2/26-099, for Unicode Version 18.0.

Action Item for Michel Suignard, CHARTS: Apply the G-source representative glyph change to U+2B876 with an updated TrueType font provided by China, based on PRI #536 feedback [ID20260306034911] and Section 19 of document L2/26-099, for Unicode Version 18.0.

Action Item for Ken Lunde, CJK: Convey to the feedback submitter the CJK & Unihan Working Group comments in Section 19 of document L2/26-099. See PRI #536 feedback [ID20260306034911].

PRI #540 Feedback

PRI #540 (*Other Feedback for UTC #187*) was issued shortly after UTC Meeting #186, but no feedback that required this WG's attention was received prior to its closing date of 2026-03-31.

PRI #541 Feedback

PRI #541 (*Proposed Update UTS #37*) was issued shortly after UTC Meeting #186, but no feedback was received prior to its closing date of 2026-03-31.

UAX #38 / Unihan Database Documents

The three UTC 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-changes-20260403.txt*
- *kJapaneseNewVariant-20260403.txt*
- *kJapaneseOldVariant-20260403.txt*
- *kMandarin-additions-vetted-20260403.txt*
- *kMandarin-changes-vetted-20260403.txt*

With the exception of the *kJapaneseNewVariant*, *kJapaneseOldVariant*, and *kMandarin* property value additions and changes, the recommended Unihan database changes are also shown inline, following the **Recommendations**.

20) L2/26-068: Changes to V-Source Character U+2B8A0

Comments: The WG reviewed and discussed this document, and agreed that the V-source representative glyph of U+2B8A0 𪗇 should be changed to become 𪗇𪗇, along with corresponding changes to its *kRSUnicode* and *kTotalStrokes* property values. Vietnam will provide the updated V-source representative glyph by 2026-04-30. The WG therefore recommends that the UTC accept these changes with Unicode Version 18.0 as the target.

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

Consensus: Accept the informative *kRSUnicode* and *kTotalStrokes* property value changes for U+2B8A0, based on document L2/26-068 (Vietnam) and Section 20 of document L2/26-099, for Unicode Version 18.0.

Consensus: Accept the V-source representative glyph change for U+2B8A0, based on document L2/26-068 (Vietnam) and Section 20 of document L2/26-099, for Unicode Version 18.0.

Action Item for Ken Lunde, CJK: Update the Unihan database to change the *kRSUnicode* and *kTotalStrokes* property values of U+2B8A0, based on document L2/26-068 (Vietnam) and Section 20 of document L2/26-099, for Unicode Version 18.0.

Action Item for Michel Suignard, CHARTS: Apply the V-source representative glyph change to U+2B8A0 with an updated TrueType font provided by Vietnam, based on document L2/26-068 (Vietnam) and Section 20 of document L2/26-099, for Unicode Version 18.0.

Current:

U+2B8A0	kRSUnicode	9.7
U+2B8A0	kTotalStrokes	8

Adjusted:

U+2B8A0	kRSUnicode	9.9
U+2B8A0	kTotalStrokes	11

21) L2/26-074: Proposal to add two new provisional Unihan database properties

Comments: The WG reviewed and discussed this proposal, and agreed that the provisional *kJapaneseNewVariant* and *kJapaneseOldVariant* properties, along with their associated property data, should be added to the Unihan database and to UAX #38 with Unicode Version 18.0 as the target. The initial set of property data covers over 400 ideographs. The WG noted that any future additions to these properties should be carefully vetted.

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

Consensus: Accept the two new provisional Unihan database properties, *kJapaneseNewVariant* and *kJapaneseOldVariant*, based on document L2/26-074 (Lunde) and Section 21 of document L2/26-099, for Unicode Version 18.0.

Action Item for Ken Lunde, CJK: Update the Unihan database to add the *kJapaneseNewVariant* and *kJapaneseOldVariant* properties and their property data, based on document L2/26-074 and Section 21 of document L2/26-099, for Unicode Version 18.0.

Action Item for Ken Lunde, CJK: Update PRI #534 (aka Proposed Update UAX #38) to add the *kJapaneseNewVariant* and *kJapaneseOldVariant* properties, based on document L2/26-074 and Section 21 of document L2/26-099, for Unicode Version 18.0.

Action Item for John Wilcock, PAG: Add the *kJapaneseNewVariant* and *kJapaneseOldVariant* properties to UAX #42, based on document L2/26-074 and Section 21 of document L2/26-099, for Unicode Version 18.0.

22) L2/26-084: Feedback on year-2024 proposed kMandarin changes and additions for 169 characters (per ten UTC actions)

Comments: This document completes the following 10 UTC Action Items from 2024 by vetting the recommended informative *kMandarin* property value additions and changes:

178-A54 per L2/24-012 Section 12

179-A8 per L2/24-067 Section 01

179-A15 per L2/24-067 Section 04

179-A17 per L2/24-067 Section 05

179-A27 per L2/24-067 Section 11

179-A38 per L2/24-067 Section 16

180-A5 per L2/24-165 Section 01

180-A6 per L2/24-165 Section 02

180-A7 per L2/24-165 Section 03

180-A13 per L2/24-165 Section 06

The WG therefore recommends that these *kMandarin* property value additions and changes be accepted and targeted for Unicode Version 18.0.

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

Consensus: Accept the informative *kMandarin* property value additions and changes as reviewed and amended by the CLDR-TC, based on document L2/26-084 (Chen) and Section 22 of document L2/26-099, for Unicode Version 18.0.

Action Item for Ken Lunde, CJK: Update the UniHan database to add and change *kMandarin* property values, based on document L2/26-084 and Section 22 of document L2/26-099, for Unicode Version 18.0.

Action Item for Ken Lunde, CJK: Convey to the author of document L2/26-084 the CJK & UniHan Working Group comments in Section 22 of document L2/26-099.

UAX #45 / U-Source Documents

The nine UTC documents in this section were 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 them:

- *USource-additions-20260403.txt*

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

23) L2/26-043: Proposal to add one ideograph to UAX #45

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

宀

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

Consensus: Accept one new U-source ideograph as UTC-03660 with a UAX #45 Status value of FutureWS, based on document L2/26-043 (Chiang) and Section 23 of document L2/26-099, for Unicode Version 18.0.

Action Item for Ken Lunde, CJK: Add one new record to the UAX #45 USourceData.txt data file and its representative glyph to USourceGlyphs.pdf, based on document L2/26-043 and Section 23 of document L2/26-099, for Unicode Version 18.0.

Action Item for Ken Lunde, CJK: Convey to the author of document L2/26-043 the CJK & Unihan Working Group comments in Section 23 of document L2/26-099.

New:

UTC-03660;FutureWS;;40.6;;𠩺𠩻𠩼;UTCDoc L2/26-043;kSemanticVariant U+5BB6;9;3

24) L2/26-044: Proposal to add one ideograph for Japanese place names to UAX #45

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

山入

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

Consensus: Accept one new U-source ideograph as UTC-03661 with a UAX #45 Status value of FutureWS, based on document L2/26-044 (Tsukada) and Section 24 of document L2/26-099, for Unicode Version 18.0.

Action Item for Ken Lunde, CJK: Add one new record to the UAX #45 USourceData.txt data file and its representative glyph to USourceGlyphs.pdf, based on document L2/26-044 and Section 24 of document L2/26-099, for Unicode Version 18.0.

Action Item for Ken Lunde, CJK: Convey to the author of document L2/26-044 the CJK & Unihan Working Group comments in Section 24 of document L2/26-099.

New:

UTC-03661;FutureWS;;46.2;;𠩺山入;UTCDoc L2/26-044;kJapanese はさま はざま;5;3

25) L2/26-057: Proposal to add 8 ideographs to UAX #45

Comments: The WG reviewed and discussed this proposal, and agreed that adding the eight ideographs to UAX #45 is reasonable, with an assigned Status value of **FutureWS**, and with Unicode Version 18.0 being the target. The document author later contacted the Chair of the WG to indicate that the first ideograph has two additional semantic variants, U+26325 𠩺 and U+29F04 𠩺, which should be added to its UAX #45 record. The ideographs, whose representative

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

Consensus: Accept one new U-source ideograph as UTC-03670 with a UAX #45 Status value of FutureWS, based on document L2/26-064 (Lin), and as amended in Section 26 of document L2/26-099, for Unicode Version 18.0.

Action Item for Ken Lunde, CJK: Add one new record to the UAX #45 USourceData.txt data file and its representative glyph to USourceGlyphs.pdf, based on document L2/26-064, and as amended in Section 26 of document L2/26-099, for Unicode Version 18.0.

Action Item for Ken Lunde, CJK: Convey to the author of document L2/26-064 the CJK & Unihan Working Group comments in Section 26 of document L2/26-099.

New:

UTC-03670;FutureWS;;149'.4;;𠄎 尺;UTCDoc L2/26-064;U+8A33 U+8B6F U+8BD1;6;5

27) L2/26-071: Proposal to add 3 ideographs

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 WG noted that the IDS of the second ideograph should be changed to 𠄎 | 𠄎 长 (the data file that was attached to the proposal, *metadata.txt*, was corrected prior to posting the document to the UTC document register). The ideographs, whose representative glyphs are shown below, can therefore be considered as candidates for inclusion in the UTC's submission for the next IRG working set:

涨 账 临

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

Consensus: Accept three new U-source ideographs as UTC-03671 through UTC-03673 with a UAX #45 Status value of FutureWS, based on document L2/26-071 (Lin), and as amended in Section 27 of document L2/26-099, 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 L2/26-071, and as amended in Section 27 of document L2/26-099, for Unicode Version 18.0.

Action Item for Ken Lunde, CJK: Convey to the author of document L2/26-071 the CJK & Unihan Working Group comments in Section 27 of document L2/26-099.

New:

UTC-03671;FutureWS;;85.6;;𠄎 𠄎 | 𠄎 长;UTCDoc L2/26-071 1;kMandarin zhǎng:U+6DA8 U+6DB1 U+6F32;9;2

UTC-03672;FutureWS;;4.5;;𠄎 | 𠄎 长;UTCDoc L2/26-071 2;kMandarin zhǎng:U+5F20 U+5F35;6;3

UTC-03673;FutureWS;;4.12;;𠄎 | 𠄎 𠄎 品;UTCDoc L2/26-071 3;kMandarin lín:U+4E34 U+81E8;13;3

28) L2/26-072: Proposal to add five ideographs to UAX #45

Comments: The WG reviewed and discussed this proposal, and agreed that adding the five 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 candidates for inclusion in the UTC's submission for the next IRG working set:

齧 拐 稔 稿 稔

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

Consensus: Accept five new U-source ideographs as UTC-03674 through UTC-03678 with a UAX #45 Status value of FutureWS, based on document L2/26-072 (Chiang) and Section 28 of document L2/26-099, for Unicode Version 18.0.

Action Item for Ken Lunde, CJK: Add five new records to the UAX #45 USourceData.txt data file and their representative glyphs to USourceGlyphs.pdf, based on document L2/26-072 and Section 28 of document L2/26-099, for Unicode Version 18.0.

Action Item for Ken Lunde, CJK: Convey to the author of document L2/26-072 the CJK & Unihan Working Group comments in Section 28 of document L2/26-099.

New:

UTC-03674;FutureWS;;;155.9;;;𪗇赤相;UTCDoc L2/26-072 1;kJapanese ソウ;16;1

UTC-03675;FutureWS;;;64.5;;;𪗈𪗉己力;UTCDoc L2/26-072 2;kSemanticVariant U+2AB87;8;5

UTC-03676;FutureWS;;;115.11;;;𪗊禾盒;UTCDoc L2/26-072 3;;;16;3

UTC-03677;FutureWS;;;115.11;;;𪗋禾𪗌合同;UTCDoc L2/26-072 4;;;16;3

UTC-03678;FutureWS;;;115.13;;;𪗍禾𪗎合辛;UTCDoc L2/26-072 5;;;18;3

29) L2/26-080: Proposal to add 1 ideograph to UAX #45

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



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

Consensus: Accept one new U-source ideograph as UTC-03679 with a UAX #45 Status value of FutureWS, based on document L2/26-080 (Wang) and Section 29 of document L2/26-099, for Unicode Version 18.0.

Action Item for Ken Lunde, CJK: Add one new record to the UAX #45 USourceData.txt data file and its representative glyph to USourceGlyphs.pdf, based on document L2/26-080 and Section 29 of document L2/26-099, for Unicode Version 18.0.

Action Item for Ken Lunde, CJK: Convey to the author of document L2/26-080 the CJK & Unihan Working Group comments in Section 29 of document L2/26-099.

New:

UTC-03679;FutureWS;;;45.7;;;𠄎𠄎^卅;UTCDoc L2/26-080;U+7678:kMandarin guǐ;10;5

30) L2/26-083: Proposal to add 5 ideographs

Comments: The WG reviewed and discussed this proposal, and agreed that adding the five 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 candidates for inclusion in the UTC's submission for the next IRG working set:

𠄎 𠄎 𠄎 𠄎 𠄎

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

Consensus: Accept five new U-source ideographs as UTC-03680 through UTC-03684 with a UAX #45 Status value of FutureWS, based on document L2/26-083 (Lin) and Section 30 of document L2/26-099, for Unicode Version 18.0.

Action Item for Ken Lunde, CJK: Add five new records to the UAX #45 USourceData.txt data file and their representative glyphs to USourceGlyphs.pdf, based on document L2/26-083 and Section 30 of document L2/26-099, for Unicode Version 18.0.

Action Item for Ken Lunde, CJK: Convey to the author of document L2/26-083 the CJK & Unihan Working Group comments in Section 30 of document L2/26-099.

New:

UTC-03680;FutureWS;;;108.10;;;𠄎虫𠄎𠄎 𠄎𠄎、𠄎;UTCDoc L2/26-083 1;kSemanticVariant U+8831:kMandarin gǔ;15;2

UTC-03681;FutureWS;;;149.6;;;𠄎言𠄎火𠄎;UTCDoc L2/26-083 2;kSemanticVariant U+8AC7;13;4

UTC-03682;FutureWS;;;120.8;;;𠄎糸𠄎双𠄎𠄎 𠄎𠄎、;UTCDoc L2/26-083 3;kSemanticVariant U+7DB4:kJapanese デイ;14;5

UTC-03683;FutureWS;;;64.1;;;𠄎扌、;UTCDoc L2/26-083 4;kSemanticVariant U+7B49:kJapanese トウ;kMandarin dǒng;4;4

UTC-03684;FutureWS;;;143.2;;;𠄎血ト;UTCDoc L2/26-083 5;kSemanticVariant U+8846:kJapanese シュウ;kMandarin zhòng;8;2

31) L2/26-085: Proposal to add 5 abbreviated ideographs to UAX #45

Comments: The WG reviewed and discussed this proposal, and agreed that adding the five 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 candidates for inclusion in the UTC’s submission for the next IRG working set:

夂 夂 夂 夂 夂

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

Consensus: Accept five new U-source ideographs as UTC-03685 through UTC-03689 with a UAX #45 Status value of FutureWS, based on document L2/26-085 (Chiang) and Section 31 of document L2/26-099, for Unicode Version 18.0.

Action Item for Ken Lunde, CJK: Add five new records to the UAX #45 USourceData.txt data file and their representative glyphs to USourceGlyphs.pdf, based on document L2/26-085 and Section 31 of document L2/26-099, for Unicode Version 18.0.

Action Item for Ken Lunde, CJK: Convey to the author of document L2/26-085 the CJK & Unihan Working Group comments in Section 31 of document L2/26-099.

New:

UTC-03685;FutureWS;;16.1;;𠄎;UTCDoc L2/26-085 1;kSemanticVariant U+98A8;3;3

UTC-03686;FutureWS;;38.4;;𠄎;UTCDoc L2/26-085 2;kSemanticVariant U+59E6;7;4

UTC-03687;FutureWS;;112.4;;𠄎;UTCDoc L2/26-085 3;kSemanticVariant U+78CA;9;4

UTC-03688;FutureWS;;167.10;;𠄎;UTCDoc L2/26-085 4;kSemanticVariant U+9477;18;1

UTC-03689;FutureWS;;57.9;;𠄎;UTCDoc L2/26-085 5;kSemanticVariant U+767C;12;2

UTC Documents

The two UTC documents in this section were reviewed and discussed by the WG, and for convenience, the following data file, which is a PDF attachment, includes the recommended UCD *StandardizedVariants.txt* data file additions based on them:

- *StandardizedVariants-20260403.txt*

The recommended UCD *StandardizedVariants.txt* data file additions are also shown inline, immediately following the **Consensus**.

32) L2/26-073R: Proposal to Add Standardised Variation Sequences for CJK Strokes

Comments: The WG reviewed and discussed this proposal, and agreed that adding the 17 Standardized Variation Sequences for CJK strokes is appropriate with Unicode Version 18.0 as the target. The document includes as PDF attachments updated SVG files for Appendix F of the Core Specification, along with a TrueType font that provides the representative glyphs.

The table below shows the default representative glyphs for the 14 CJK strokes in the first row, followed by the 17 Standardized Variation Sequences in the second and third rows:

	31C0	31C6	31C9	31CF	31D0	31D1	31D2	31D4	31D5	31D7	31DB	31DC	31DD	31E5
	㇀	㇁	㇂	㇃	㇄	㇅	㇆	㇇	㇈	㇉	㇊	㇋	㇌	㇍
VS1	㇎	㇏	㇐	㇑	㇒	㇓	㇔	㇕	㇖	㇗	㇘	㇙	㇚	㇛
VS2		㇜		㇝									㇞	

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

Consensus: Accept the following 17 new standardized variation sequences, based on document L2/26-073R (Koo) and Section 32 of document L2/26-099, for Unicode Version 18.0:

- 31C0 FE00; dotted T form; # CJK STROKE T
- 31C6 FE00; curved Z form; # CJK STROKE HZG
- 31C6 FE01; rising H form; # CJK STROKE HZG
- 31C9 FE00; slanted S form; # CJK STROKE SZWG
- 31CF FE00; curved starting N form; # CJK STROKE N
- 31CF FE01; flat N form; # CJK STROKE N
- 31D0 FE00; rising H form; # CJK STROKE H
- 31D1 FE00; slanted S form; # CJK STROKE S
- 31D2 FE00; flat P form; # CJK STROKE P
- 31D4 FE00; to bottom left form; # CJK STROKE D
- 31D5 FE00; slanted Z form; # CJK STROKE HZ
- 31D7 FE00; slanted S form; # CJK STROKE SZ
- 31DB FE00; slanted SD form; # CJK STROKE PD
- 31DC FE00; upwards T form; # CJK STROKE PZ
- 31DD FE00; horizontal H curved N form; # CJK STROKE TN
- 31DD FE01; upwards T flat N form; # CJK STROKE TN
- 31E5 FE00; slanted S form; # CJK STROKE SZP

Action Item for Ken Whistler, RMG: Update the Pipeline page to add 17 standardized variation sequences, based on document L2/26-073R and Section 32 of document L2/26-099, for Unicode Version 18.0.

Action Item for Markus Scherer, PAG: Add 17 variation sequences to StandardizedVariants.txt, based on document L2/26-073R and Section 32 of document L2/26-099, for Unicode Version 18.0.

Action Item for Michel Suignard, CHARTS: Add 17 variation sequences and their representative glyphs to the code chart for the CJK Strokes block, based on document L2/26-073R and Section 32 of document L2/26-099, for Unicode Version 18.0.

Action Item for Ken Lunde, EDC: Update Appendix F of the Core Specification using updated SVG files, based on document L2/26-073R and Section 32 of document L2/26-099, for Unicode Version 18.0.

Action Item for Ken Lunde, CJK: Convey to the author of document L2/26-073R the CJK & Unihan Working Group comments in Section 32 of document L2/26-099.

33) L2/26-082: Request for review of CJK confusables

Comments: The WG reviewed and discussed this proposal, and agreed that adding all of the new confusable pairs to UTS #39, except for U+3A36 搗 and U+6440 搗, is reasonable. That pair

is considered distinct, and therefore not confusable, because U+9CE5 鳥 (bird) and U+70CF 烏 (crow) are considered distinct despite the one-stroke difference.

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

Action Item for Josh Hadley, Roozbeh Pournader, PAG: Update the UTS #39 confusables.txt data file by adding all of the new confusable pairs except for U+3A36 and U+6440, based on document L2/26-082 and Section 33 of document L2/26-099, for a future version of the standard.

IRG Documents

The six IRG documents in this section were reviewed and discussed by the WG, and for convenience, the following data file, which is a PDF attachment, includes the recommended Unihan database changes based on them:

- *Unihan_IRGSources-changes-20260403.txt*

The recommended Unihan database changes are also shown inline, immediately following the **Recommendations**.

34) IRG N2907: US/Unicode Activity Report for IRG Meeting #66 [L2/26-069]

Comments: This document is the UTC's activity report as delivered during IRG Meeting #66 in March of 2026, and is therefore an FYI document for the UTC.

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

No UTC action is required.

35) IRG N2909: IRG Meeting #66 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 M66.01**, the next IRG meeting, **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 M66.07**, the following is the review schedule for **IRG Working Set 2024 Version 5.0**:

- **2026-05-01:** 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
- **2026-05-29:** The ORT Manager releases IRG Working Set 2024 Version 5.0 online via the ORT and as document IRG N2932 with an attached attributes file in Excel format — 4 weeks
- **2026-07-17:** ORT Editors submit comments online via the ORT — 7 weeks
- **2026-08-14:** The ORT Manager releases Consolidated Comments online and as document IRG N2933 — 4 weeks
- **2026-10-09:** Submitters provide responses to comments online via the ORT — Friday before IRG Meeting #67
- Per **Recommendation IRG M66.08**, the IRG Convenor requests that active IRG member bodies include as an item in their activity report for IRG Meeting #67 an estimate of how many ideographs they would ideally submit.
- Per **Recommendation IRG M66.09**, China's 9,156-ideograph horizontal extension is expected to be accepted during IRG Meeting #67.
- Per **Recommendation IRG M66.16**, the IRG is still planning to establish a new IRG source for Singapore — meaning a new normative Unihan database property named *kIRG_SGSource* — that is expected to be discussed during WG 2 Meeting #73 in June.
- Per **Recommendation IRG M66.17**, the IRG submitted document IRG N2878R3 to WG 2 for consideration during WG 2 Meeting #73 in June, which proposes to standardize two new CJK Unified Ideographs extension blocks that include CJKV components: **CJK Unified Ideographs Components-A** (119) and **CJK Unified Ideographs Components-B** (375). The suggested blocks are 2FA20..2FA9F and 2FAA0..2FC1F, 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 Components-A** 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 M66.18**, the IRG has new consolidated FS (*First [Residual] Stroke*) and SC (*Stroke Count*) guidelines, published as document [IRG N2951](#), that replaces and supplements all previous IRG documents that prescribed such values: documents IRG N954AR, IRG N1105, IRG N2171, and IRG N2221.

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

No UTC action is required.

36) IRG N2916: Glyph Correction for KC-05216 (U+2DB7C) in CJKUI Extension F

Comments: Per **Recommendation M66.13** in document IRG N2909, the IRG recommended that the K-source representative glyph change for U+2DB7C 𪛗, along with its *kRSUnicode* property value change, as proposed in document IRG N2916, be accepted. The updated

K-source representative glyph will be provided by 2026-04-30. 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 informative `kRSUnicode` property value change for U+2DB7C, based on Recommendation M66.13 in document IRG N2909 (IRG) and Section 36 of document L2/26-099, for Unicode Version 18.0.

Consensus: Accept the K-source representative glyph change for U+2DB7C, based on Recommendation M66.13 in document IRG N2909 (IRG) and Section 36 of document L2/26-099, for Unicode Version 18.0.

Action Item for Ken Lunde, CJK: Update the UniHan database to change the `kRSUnicode` property value of U+2DB7C, based on Recommendation M66.13 in document IRG N2909 (IRG) and Section 36 of document L2/26-099, for Unicode Version 18.0.

Action Item for Michel Suignard, CHARTS: Apply the K-source representative glyph change to U+2DB7C with an updated TrueType font provided by ROK, based on Recommendation M66.13 in document IRG N2909 and Section 36 of document L2/26-099, for Unicode Version 18.0.

Current:

U+2DB7C	<code>kRSUnicode</code>	77.23
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Adjusted:

U+2DB7C	<code>kRSUnicode</code>	77.24
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37) IRG N2927R: Clarification on Pending Characters in IRG N2861

Comments: Per **Recommendation M66.12** in document IRG N2909, the IRG recommended that the T-source representative glyph change for U+2976E 鮓, as proposed in document IRG N2927R, be accepted. Document IRG N2927R includes as a PDF attachment a TrueType font that provides its updated T-source representative glyph. 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 T-source representative glyph change for U+2976E, based on Recommendation M66.12 in document IRG N2909 (IRG) and Section 37 of document L2/26-099, for Unicode Version 18.0.

Action Item for Michel Suignard, CHARTS: Apply the T-source representative glyph change to U+2976E, based on Recommendation M66.12 in document IRG N2909 and Section 37 of document L2/26-099, for Unicode Version 18.0.

38) IRG N2930: Proposal for changing 3 GU-source references to GHC-source references

Comments: Per **Recommendation M66.10** in document IRG N2909, the IRG recommended that the `kIRG_GSource` property value changes for U+236AC, U+24A1E, and U+24E82, as proposed

in document IRG N2930, 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 the normative `kIRG_GSource` property value changes for U+236AC, U+24A1E, and U+24E82, based on Recommendation M66.10 in document IRG N2909 (IRG) and Section 38 of document L2/26-099, for Unicode Version 18.0.

Action Item for Ken Lunde, CJK: Update the Unihan database to change the `kIRG_GSource` property values of U+236AC, U+24A1E, and U+24E82, based on Recommendation M66.10 in document IRG N2909 (IRG) and Section 38 of document L2/26-099, for Unicode Version 18.0.

Current:

U+236AC `kIRG_GSource` GU-236AC
U+24A1E `kIRG_GSource` GU-24A1E
U+24E82 `kIRG_GSource` GU-24E82

Adjusted:

U+236AC `kIRG_GSource` **GHC-0500150**
U+24A1E `kIRG_GSource` **GHC-1109650**
U+24E82 `kIRG_GSource` **GHC-0302880**

39) IRG N2861: Response on IRGN2860

Comments: Based on unsubmitted [PRI #536](#) (*Unicode 18.0 Alpha Review*) feedback from TCA, **Recommendation M65.14** in document [IRG N2826](#), along with Section 34 of document [L2/25-231](#) that referenced it, failed to capture TCA's intent to swap not only the normative `kIRG_TSource` property values of the three pairs of ideographs in Table 2 of document IRG N2861, but also their T-source representative glyphs. Based on this feedback, the WG recommends that the representative glyphs for the following T-source ideograph pairs be swapped with Unicode Version 18.0 as the target:

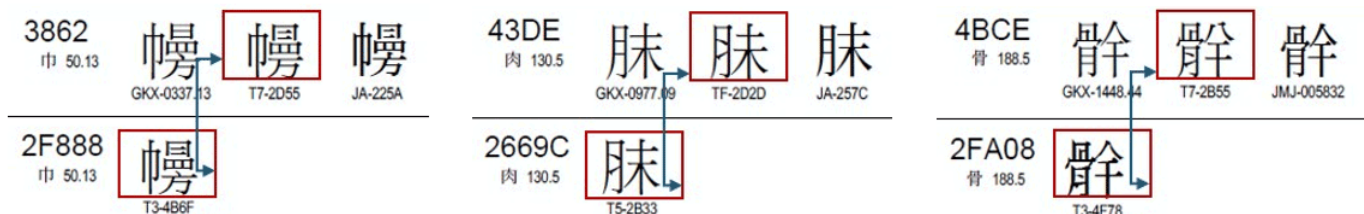
U+3862/U+2F888

U+43DE/U+2669C

U+4BCE/U+2FA08

Their `kIRG_TSource` property values should remain as reflected in Unicode Version 18.0 Alpha.

The image shown below, which was constructed from Unicode Version 18.0 Alpha code chart excerpts, reflects the correctly swapped `kIRG_TSource` property values, and indicates which representative glyphs should be swapped:



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

Consensus: Accept the T-source representative glyph changes for U+3862/U+2F888, U+43DE/U+2669C, and U+4BCE/U+2FA08, based on Table 2 of document IRG N2861 and Section 39 of document L2/26-099, for Unicode Version 18.0.

Action Item for Michel Suignard, CHARTS: Swap the T-source representative glyphs of U+3862/U+2F888, U+43DE/U+2669C, and U+4BCE/U+2FA08, based on Table 2 of document IRG N2861 and Section 39 of document L2/26-099, for Unicode Version 18.0.

Other Topics

40) UAX #45 Additions, Unicode Version 19.0 & the Next IRG Working Set

Comments: The WG recommends that the UTC’s submission for the next IRG working set be limited to approximately 200 ideographs, mainly because the UTC is not in the business of encoding Han ideographs other than what the IRG submits through WG 2. With the new ideographs being added during this meeting, we will have over 200 ideographs whose UAX #45 Status value is **FutureWS**. To this end, the Chair of the WG added the following special note to the [CJK & Unihan Working Group](#) home page to this effect, and also proactively notified recent submitters:

The CJK & Unihan Working Group will not consider proposals to add ideographs to UAX #45 until after Unicode Version 19.0 has been released, or the next IRG working set has been opened for review, whichever occurs later.

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

No UTC action is required.

41) IRG Document Migration Status

Comments: The process of migrating the available IRG documents to the [current IRG document register](#) began on **2024-07-08**, and was completed on **2026-02-14**. The rows for unavailable documents are highlighted in yellow. The status of an estimated 700 early IRG documents, generally those below IRG N1061, is unknown. Those documents are marked as “(unknown).” Some document numbers were never used, which are marked as “(unused).” Some older documents correspond to WG 2 documents, but because the migration of WG 2 documents is incomplete, those documents are not available (the corresponding WG 2 document numbers are shown in brackets).

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

No UTC action is required.

42) 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 the Chair of the WG since UTC Meeting #186 took place, which are shown in the table below:

Property	Additions	Removals	Changes	Notes
kDefinition			2	
kMorohashi	1,317			
kPhonetic	66		4	Fine-tuning of property values with stakeholder via pull requests in the open source Unihan Database repository

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

No UTC action is required.

That is all.