

Title: CJK & Unihan Working Group Recommendations for UTC Meeting #186

Author: Ken Lunde

Date: 2026-01-08

This document provides the CJK & Unihan Working Group recommendations for UTC Meeting #186, based on a meeting that took place on 2026-01-02 from 6 to 7:15PM PST, which was attended by Yi Bai, Eiso Chan, Peter Constable, Ned Holbrook, Ken Lunde, William Nelson, CheonHyeong Sim, Stephan Hyeonjun Stiller, 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 #185 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-20260102.txt*.

Public Feedback

The single item of public feedback from document [L2/26-005](#) that is in this section was reviewed and discussed by the WG, and for convenience, the following data file, which is a PDF attachment, includes the recommended UAX #45 *USourceData.txt* data file changes:

- *USource-changes-20260102.txt*

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

01) [ID20251226021118](#)

Date/Time: Fri Dec 26 02:11:18 PT 2025

ReportID: ID20251226021118

Name: Eiso Chan

Report Type: Report Error in Publication/Data

Opt Subject: **UTC-01301 on USourceData.txt**

UTC-01301 has been discussed during IRG meeting, and IRG experts have confirm it is the variant of U+28AB5.

The current entry is below.

UTC-01301;WS-2024;;167.9;;金胸;UTCDoc L2/15-177 100;;17;3

It is better to modify as below.

UTC-01301;Variant;U+28AB5;167.9;;金胸;UTCDoc L2/15-177 100;;17;3

Comments: The WG reviewed and discussed this feedback, and agreed that the changes to the UAX #45 record for UTC-01301 are appropriate. These UAX #45 data file 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 UAX #45 data file to reflect the changes to the record for UTC-01301, based on feedback [ID20251226021118] in document L2/26-005 and Section 01 of document L2/26-009, for Unicode Version 18.0.

Current—*USourceData.txt*:

UTC-01301;WS-2024;;167.9;;金胸;UTCDoc L2/15-177 100;;17;3

Adjusted—*USourceData.txt*:

UTC-01301;**Variant;U+28AB5**;167.9;;金胸;UTCDoc L2/15-177 100;;17;3

PRI #534 Feedback

The five 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 and changes based on them, along with the recommended UAX #45 *USourceData.txt* data file changes:

- *Unihan_IRGSources-additions-20260102.txt*
- *Unihan_IRGSources-changes-20260102.txt*
- *USource-changes-20260102.txt*
- *kMandarin-changes-vetted-20260102.txt*

The recommended Unihan database additions and changes, along with the recommended UAX #45 *USourceData.txt* data file changes, are also shown inline, following the **Recommendations**.

02) ID20251021010122

Date/Time: Tue Oct 21 01:01:22 PT 2025

ReportID: ID20251021010122

Name: Eiso Chan

Report Type: Report Error in Publication/Data

Opt Subject: **UTC-00733**

The current information is below.

UTC-00733;Variant;U+81A5;130.11;;未;成肉;kCheungBauerIndex 453.09;;;

But, this one should be mapped to U+31F1A 積 in CJK Ext. H.

Comments: The WG reviewed and discussed this feedback, and agreed that the changes to the UAX #45 record for UTC-00733, along with horizontally extending U+31F1A 積, are appropriate, but that the number of residual strokes should be changed to 12, and that total strokes and first residual stroke values should be added. These UAX #45 data file changes, along with the suggested horizontal extension, should be targeted for Unicode Version 18.0.

The table below constitutes a proposal to horizontally extend U+31F1A 積 by adding a *kIRG_USource* property value and a U-source representative glyph:

Code Point	Code Chart Excerpt—Version 17.0	U-Source	
		Source Reference	Representative Glyph
U+31F1A	31F1A 未成肉 肉 130.12 UK-10674	UTC-00733	未成肉

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

Consensus: Accept the proposal to horizontally extend U+31F1A by adding UTC-00733 as its new normative kIRG_Usource property value, based on PRI #534 feedback [ID20251021010122], and as amended in Section 02 of document L2/26-009, for Unicode Version 18.0.

Action Item for Ken Lunde, CJK: Update the Unihan database to add UTC-00733 as a new kIRG_Usource property value of U+31F1A, based on PRI #534 feedback [ID20251021010122], and as amended in Section 02 of document L2/26-009, for Unicode Version 18.0.

Action Item for Ken Lunde, CJK: Update the UAX #45 data file to reflect the changes to the record for UTC-00733, based on PRI #534 feedback [ID20251021010122], and as amended in Section 02 of document L2/26-009, for Unicode Version 18.0.

Action Item for Ken Lunde, CJK: Update the UAX #45 TrueType font to map U+31F1A to the glyph for UTC-00733, then provide the updated UAX #45 TrueType font to Michel Suignard and the Charts Working Group, based on PRI #534 feedback [ID20251021010122], and as amended in Section 02 of document L2/26-009, for Unicode Version 18.0.

Current—*USourceData.txt*:

UTC-00733;Variant;U+81A5;130.11;;未成肉;kCheungBauerIndex 453.09;;;

Adjusted—*USourceData.txt*:

UTC-00733;**ExtH;U+31F1A;130.12;**;未成肉;kCheungBauerIndex 453.09;;**18;1**

New:

U+31F1A kIRG_Usource UTC-00733

03) ID20251112195042

Date/Time: Wed Nov 12 19:50:42 PT 2025

ReportID: ID20251112195042

Name: Eiso Chan

Report Type: Report Error in Publication/Data

Opt Subject: G-Source references for U+3A36 捣 and U+6440 捣

As what I wrote for WS2024-01574 on the IRG WS2024 ORT (<https://hc.jsecs.org/irg/ws2024/app/?id=01574>). I suggest update the G-Source references as below and the G glyphs should be kept as-is.

U+3A36 kIRG_GSource GKX-0450.19

U+6440 kIRG_GSource G5-4B63

The kGB5 property value under U+3A36 捣 should be removed and move the corresponding value to U+6440 捣

U+6440 kGB5 4367

Comments: The WG reviewed and discussed this feedback, and agreed with the suggested *kIRG_GSource* and *kGB5* property values changes, which should be targeted for Unicode Version 18.0. In particular, China agreed with the changes to the *kIRG_GSource* property values. In addition, the suggested *kGB5* property value changes were already applied to the Unihan database (see the table in Section 15 of this document).

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

Consensus: Accept the proposal to change the normative *kIRG_GSource* property values of U+3A36 and U+6440, based on PRI #534 feedback [ID20251112195042] and Section 03 of document L2/26-009, for Unicode Version 18.0.

Action Item for Ken Lunde, CJK: Update the Unihan database to change the *kIRG_GSource* property values of U+3A36 and U+6440, based on PRI #534 feedback [ID20251112195042] and Section 03 of document L2/26-009, for Unicode Version 18.0.

Current:

U+3A36	<i>kIRG_GSource</i>	G5-4B63
U+6440	<i>kIRG_GSource</i>	GE-3A69

Adjusted:

U+3A36	<i>kIRG_GSource</i>	GKX-0450.19
U+6440	<i>kIRG_GSource</i>	G5-4B63

04) ID20251119093117

Date/Time: Wed Nov 19 09:31:17 PT 2025

ReportID: ID20251119093117

Name: Ken Lunde

Report Type: Report Error in Publication/Data

Opt Subject: **kTotalStrokes property value changes**

The informative *kTotalStrokes* property values of the following two ideographs, which are also used as components of other ideographs, should be changed as follows to conform to IRG stroke-counting conventions:

U+4E9F *kTotalStrokes* 9 (currently 8)

U+268DE *kTotalStrokes* 7 (currently 6)

Comments: The WG reviewed and discussed this feedback, and agreed that the informative *kTotalStrokes* property values of U+4E9F 𠂇 and U+268DE 𠂇 should be changed to conform to IRG stroke-counting conventions, and that these changes should be targeted for Unicode Version 18.0.

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

Consensus: Accept the proposal to change the informative *kTotalStrokes* property values of U+4E9F and U+268DE, based on PRI #534 feedback [ID20251119093117] and Section 04 of document L2/26-009, for Unicode Version 18.0.

Action Item for Ken Lunde, CJK: Update the Unihan database to change the kTotalStrokes property values of U+4E9F and U+268DE, based on PRI #534 feedback [ID20251119093117] and Section 04 of document L2/26-009, for Unicode Version 18.0.

Current:

U+4E9F	kTotalStrokes	8
U+268DE	kTotalStrokes	6

Adjusted:

U+4E9F	kTotalStrokes	9
U+268DE	kTotalStrokes	7

05) ID20251209085946

Date/Time: Tue Dec 09 08:59:46 PT 2025

ReportID: ID20251209085946

Name: Ken Lunde

Report Type: PRI Feedback

Opt Subject: **PRI 534**

I received a report that five kMandarin property values in the Extension I block that were added in Unicode Version 17.0 are incorrect, which I was able to trace to a one-off error on pp 2 and 3 of document L2/25-029 in which the CLDR-TC responded to proposed kMandarin property values in document L2/23-209. What caused this issue is that the code point in the referenced URL in the eighth (and final) column is one higher than the code point in the first column, and the glyph in the second column is for the character that is one code point higher than that in the first column.

The CLDR-TC confirmed the errors and the following corrections on 2025-12-08:

U+2EC3D kMandarin yuè (currently lǎn)

U+2EC3E kMandarin lǎn (currently qiè)

U+2EC3F kMandarin qiè (currently xíng)

U+2EC41 kMandarin jìn (currently yǔ)

U+2EC52 kMandarin niǎo (currently yàn)

Comments: The WG reviewed and discussed this feedback, and agreed that the *kMandarin* property value errors should be corrected as suggested, and that these corrections should be targeted for Unicode Version 18.0.

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

Consensus: Accept the proposal to correct five informative kMandarin property values, based on PRI #534 feedback [ID20251209085946] and Section 05 of document L2/26-009, for Unicode Version 18.0.

Action Item for Ken Lunde, CJK: Update the Unihan database to correct five kMandarin property values, based on PRI #534 feedback [ID20251209085946] and Section 05 of document L2/26-009, for Unicode Version 18.0.

Current:

U+2EC3D	kMandarin	lǎn
U+2EC3E	kMandarin	qiè
U+2EC3F	kMandarin	xíng
U+2EC41	kMandarin	yǔ
U+2EC52	kMandarin	yàn

Adjusted:

U+2EC3D	kMandarin	yuè
U+2EC3E	kMandarin	lǎn
U+2EC3F	kMandarin	qiè
U+2EC41	kMandarin	jìn
U+2EC52	kMandarin	niǎo

06) ID20251223125237

Date/Time: Tue Dec 23 12:52:37 PT 2025

ReportID: ID20251223125237

Name: Llinos Evans

Report Type: PRI Feedback

Opt Subject: kTang information

The data in kTang does not seem sufficient;

The Tang dynasty pronunciation(s) of this ideograph, derived from or consistent with *T'ang Poetic Vocabulary* by Hugh M. Stimson, Far Eastern Publications, Yale University 1976. An asterisk indicates that the word or morpheme represented in toto or in part by the given ideograph with the given reading occurs more than four times in the seven hundred poems covered.

Specifically, it does not denote where the pronunciations come from in that text. Are they Pulleyblank/Karlgren/etc reconstructions? Is it based on the *Qieyun*, *Guangyun*, etc? It would be extremely handy if this were noted if only to make it a little more comprehensive, otherwise it isn't very useful to an outsider like myself.

I did try to track down the book but the only listing I could find is £100 and it isn't on any shadow libraries.

Mind lending a hand?

Comments: The WG reviewed and discussed this feedback, and noted that Ken Lunde responded to the feedback submitter on 2025-12-30 to provide the front matter of *T'ang Poetic Vocabulary* for the purpose of soliciting a revised Description of this provisional property for UAX #38 based on it. The response, which was received on the same date, suggested that the following sentence shown in red be inserted as the second sentence of the Description of this provisional property (edited for accuracy and consistency):

The Tang dynasty pronunciation(s) of this ideograph, derived from or consistent with *T'ang Poetic Vocabulary* by Hugh M. Stimson, Far Eastern Publications, Yale University 1976. **The given pronunciation was reconstructed from the *Qieyun* 切韻, compiled in 601 AD, refined based on work by Bernhard Karlgren (for example, *Grammata Serica Recensa*).** An asterisk indicates that the word or morpheme represented in toto or in part

by the given ideograph with the given reading occurs more than four times in the seven hundred poems covered.

The WG recommends that this improvement to the Description of the provisional *kTang* property be targeted for Unicode Version 18.0.

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

Action Item for Ken Lunde, CJK: Update PRI #534 (aka Proposed Update UAX #38) to insert a new sentence after the first sentence of the Description of the *kTang* property, based on PRI #534 feedback [ID20251223125237], and as amended in Section 06 of document L2/26-009, 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 L2/26-009. See PRI #534 feedback [ID20251223125237].

UAX #38 / Unihan Database Documents

The single UTC document in this section was reviewed and discussed by the WG, and for convenience, the following data file, which is a PDF attachment, includes the recommended Unihan database change based on it:

- *Unihan_IRGSources-changes-20260102.txt*

The recommended Unihan database change is also shown inline, following the **Recommendations**.

07) L2/25-272: Descriptions vs. usage of the “GU”, “TU” and former “G9” Unihan source prefixes

Comments: The WG reviewed and discussed this document, and noted that Ken Lunde consulted with China and TCA on the issues that were presented. In particular, China agreed that inserting the following text “*or removed*” shown in red into the Description of the “GU” source prefix of the *kIRG_GSource* property is the best solution:

The source reference for this ideograph has been moved **or removed**; the value is its code point.

In addition, the WG noted that the *kIRG_TSource* property value of U+2B089 節, **TD-5278**, was removed in Unicode Version 6.2 (2012) without explanation, and that **TU-2B089** was subsequently added as its *kIRG_TSource* property value in Unicode Version 13.0 (2020). The [CNS 11643 standard](#) clearly shows that the *kIRG_TSource* property value of U+2B089 節 should be **TD-5278**. TCA agreed with restoring **TD-5278** as the *kIRG_TSource* property value of U+2B089 節.

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

Consensus: Accept the proposal to change the normative kIRG_TSource property value of U+2B089, TU-2B089, to TD-5278, based on document L2/25-272 (HarJIT) and Section 07 of document L2/26-009, for Unicode Version 18.0.

Action Item for Ken Lunde, CJK: Update the Unihan database to change the normative kIRG_TSource property value of U+2B089, TU-2B089, to TD-5278, based on document L2/25-272 and Section 07 of document L2/26-009, for Unicode Version 18.0.

Action Item for Ken Lunde, CJK: Update PRI #534 (aka Proposed Update UAX #38) to insert the text “ or removed” into the Description of the “GU” source prefix of the kIRG_GSource property, based on document L2/25-272 and Section 07 of document L2/26-009, for Unicode Version 18.0.

Action Item for Ken Lunde, CJK: Convey to the author of document L2/25-272 the CJK & Unihan Working Group comments in Section 07 of document L2/26-009.

Current:

U+2B089	kIRG_TSource	TU-2B089
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Adjusted:

U+2B089	kIRG_TSource	TD-5278
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UAX #45 / U-Source Documents

The three 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-20260102.txt*

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

08) L2/25-270: Proposal to add two ideographs to UAX #45

Comments: The WG reviewed and discussed this proposal, and agreed that adding the two 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 first ideograph is a variant of U+6BD8 犀 per [Wikipedia](#), and that its *kJapanese* property value should be ⿶ based on the evidence, both of which should be reflected in its UAX #45 data file record. 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:

召 蘭

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

Consensus: Accept two new U-source ideographs as UTC-03600 and UTC-03601 with a UAX #45 status value of FutureWS, based on document L2/25-270 (Chiang), and as amended in Section 08 of document L2/26-009, for Unicode Version 18.0.

Action Item for Ken Lunde, CJK: Add two new records to the UAX #45 USourceData.txt data file and their representative glyphs to USourceGlyphs.pdf, based on document L2/25-270, and as amended in Section 08 of document L2/26-009, for Unicode Version 18.0.

Action Item for Ken Lunde, CJK: Convey to the author of document L2/25-270 the CJK & Unihan Working Group comments in Section 08 of document L2/26-009.

New:

UTC-03600;FutureWS;;18.4;;刀比;UTCDoc L2/25-270 1;kJapanese ピ:kSemanticVariant U+6BD8;6;1
UTC-03601;FutureWS;;140.8;;阿;UTCDoc L2/25-270 2;kJapanese 力;12;5

09) L2/25-274: Proposal to add 1 ideograph used in Japanese ancient books

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 WG noted that the TS (aka *kTotalStrokes*), FS, and RS (aka *kRSUnicode*) values that were provided in the proposal should be changed to 15, 2, and 94.12, respectively. The *kJapanese* property value should also be changed to 力 (クワハ) is incorrect: クワ is the older reading for 力, and ハ is the particle は expressed in katakana). 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:

羣

In addition, one of the WG members noticed that the *kJapanese* property values of U+21CB2 履 and U+2E0F0 穢 include クワ, and upon further investigation, it was determined that they should also be changed to 力. The former is a variant of U+97BE 韢 (*kJapanese*: 力くつ) per 大漢和辞典 (aka *kMorohashi*), so changing クワ to 力 makes sense. The latter is a variant of U+9FA2 穢 (*kJapanese*: 力ワ やわらぐ) per the [Moji Jōhō Kiban database](#), so changing クワ to 力 also makes sense. These *kJapanese* property value changes were already applied to the Unihan database (see the table in Section 15 of this document).

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

Consensus: Accept one new U-source ideograph as UTC-03602 with a UAX #45 status value of FutureWS, based on document L2/25-274 (Lin), and as amended in Section 09 of document L2/26-009, 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 L2/25-274, and as amended in Section 09 of document L2/26-009, for Unicode Version 18.0.

Action Item for Ken Lunde, CJK: Convey to the author of document L2/25-274 the CJK & Unihan Working Group comments in Section 09 of document L2/26-009.

New:

UTC-03602;FutureWS;;94.12.;; 狩 華; UTC Doc L2/25-274; k Japanese 力; 15; 2

10) L2/25-275: Proposal to add 1 ideograph used in Japanese ancient books

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 WG noted that this ideograph should also be assigned the *kSpecializedSemanticVariant* property value of U+5072 in the future, because it is a specialized variant of U+5072 値. 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:

𠙴

Recommendations: The WG recommends to the UTC the following disposition

Consensus: Accept one new U-source ideograph as UTC-03603 with a UAX #45 status value of FutureWS, based on document L2/25-275 (Chan), and as amended in Section 10 of document L2/26-009, 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 L2/25-275, and as amended in Section 10 of document L2/26-009, for Unicode Version 18.0.

New:

UTC-03603;FutureWS;;9.5;;电;UTCDoc L2/25-275;kSpecializedSemanticVariant
U+5072;7;2

11) L2/26-014: Proposal to add 56 ideographs used in Singapore and Malaysia to UAX#45

Comments: The WG reviewed and discussed this proposal, and agreed that adding the 56 ideographs for Malaysia and Singapore to UAX #45 is reasonable, with an assigned status value of **FutureWS**, and with Unicode Version 18.0 being the target. The only changes that were necessary were to add FS (first residual stroke) values to the new UAX #45 records. 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:

歌里玄以伎俩，倚仗宿焉。圉卖丝，庇庆所心。怒，敲故题，柂些，蹇。

発符纵綫練續繩纵腰芸街誅誤讀 賄賄賄蹕迄迹遑遲鉛隕駕騷

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

Consensus: Accept 56 new U-source ideographs as UTC-03604 through UTC-03659 with a UAX #45 status value of FutureWS, based on document L2/26-014 (Wang & Wang), and as amended in Section 11 of document L2/26-009, for Unicode Version 18.0.

Action Item for Ken Lunde, CJK: Add 56 new records to the UAX #45 USourceData.txt data file and their representative glyphs to USourceGlyphs.pdf, based on document L2/26-014, and as amended in Section 11 of document L2/26-009, for Unicode Version 18.0.

New:

UTC-03604;FutureWS;;71.10;;哥无;UTCDoc L2/26-014 1;kMandarin huò:U+7978 U+798D
U+65E4 U+23138 U+2C025;14;1
UTC-03605;FutureWS;;1.5;;占一;UTCDoc L2/26-014 2;kMandarin diǎn:U+70B9
U+9EDE;6;2
UTC-03606;FutureWS;;1.8;;黑一;UTCDoc L2/26-014 3;kMandarin hēi:U+9ED1;9;2
UTC-03607;FutureWS;;4.5;;去一;UTCDoc L2/26-014 4;kMandarin wú:U+65E0
U+7121;6;1
UTC-03608;FutureWS;;9.2;;人;UTCDoc L2/26-014 5;kMandarin wò:U+5367 U+81E5;4;2
UTC-03609;FutureWS;;9.4;;丈一东小;UTCDoc L2/26-014 6;kMandarin
shǐ:U+4F7F;6;1
UTC-03610;FutureWS;;9.4;;一世;UTCDoc L2/26-014 7;kMandarin jiǎ:U+5047
U+4EEE;6;1
UTC-03611;FutureWS;;9.6;;缶;UTCDoc L2/26-014 8;kMandarin xiàng:U+50CF;8;3
UTC-03612;FutureWS;;9.7;;占;UTCDoc L2/26-014 9;kMandarin jiàn:U+5065;9;2
UTC-03613;FutureWS;;12.3;;节;UTCDoc L2/26-014 10;kMandarin dì:U+5F1F
U+3427;5;5
UTC-03614;FutureWS;;14.5;;旧;UTCDoc L2/26-014 11;kMandarin xiě:U+5199 U+5BEB
U+2D081;7;2
UTC-03615;FutureWS;;29.3;;又与;UTCDoc L2/26-014 12;kMandarin yān:U+7109
U+31AB7;5;1
UTC-03616;FutureWS;;31.3;;千;UTCDoc L2/26-014 13;kMandarin quān:U+5708;6;3
UTC-03617;FutureWS;;31.4;;专;UTCDoc L2/26-014 14;kMandarin tuán:U+56E2 U+5718
U+56E3;7;1
UTC-03618;FutureWS;;33.5;;土头;UTCDoc L2/26-014 15;kMandarin mài:U+5356 U+8CE3
U+58F2;8;4
UTC-03619;FutureWS;;52.1;;幺一;UTCDoc L2/26-014 16;kMandarin sī:U+7CF8
U+221AF;4;1
UTC-03620;FutureWS;;53.4;;广毛;UTCDoc L2/26-014 17;kMandarin mó:U+9B54;7;3
UTC-03621;FutureWS;;53.4;;广犬;UTCDoc L2/26-014 18;kMandarin qìng:U+5E86
U+6176;7;1
UTC-03622;FutureWS;;53.7;;广听;UTCDoc L2/26-014 19;kMandarin tīng:U+5385 U+3554
U+5EF3 U+539B;10;2
UTC-03623;FutureWS;;61.1;;一心;UTCDoc L2/26-014 20;kMandarin dé:U+5FB7
U+226F3;kMandarin yì:U+610F U+3043A;5;1
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U+6232;10;1
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U+3C51 U+4E97 U+2DB5A U+3036A;6;1
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U+7D44;8;3
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U+7DAB;11;1
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U+31EA7;11;1
UTC-03637;FutureWS;;120.8;;𦥑;UTCDoc L2/26-014 34;kMandarin xù:U+7EED
U+7E8C;14;1
UTC-03638;FutureWS;;120.12;;𦥑;UTCDoc L2/26-014 35;kMandarin lǎn:U+7F06 U+7E9C
U+432B;18;2
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U+7D44;5;3
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U+2B35D;12;1
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UTC-03648;FutureWS;;154'.4;;貝;UTCDoc L2/26-014 45;kMandarin gòu:U+8D2D U+8CFC
U+27DA5 U+27DA9 U+30DCB;8;1
UTC-03649;FutureWS;;157.8;;𢂁;UTCDoc L2/26-014 46;kMandarin liū:U+8E53;15;4
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U+33117;5;4
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U+904B;9;4

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U+9A57;17;3

IRG Documents

12) IRG N2878R2: Final proposal to encode CJK Unified Ideographs Components

Comments: As mentioned in the fifth bullet of Section 24 of document [L2/25-231](#), which was this WG’s recommendations for UTC Meeting #185, and per **Recommendation IRG M65.23** of document [IRG N2826](#), the IRG is preparing two relatively small blocks that include CJK components. The two blocks, which were tentatively named **CJK Unified Ideographs Jianzi** **Musical Notation Components** and **CJK Unified Ideographs Components**, included 121 and 367 CJK components, respectively, per document [IRG N2878R](#). The revised document, IRG N2878R2, changed the names of the blocks to **CJK Unified Ideographs Components-A** and **CJK Unified Ideographs Components-B** based on feedback from the UTC. These blocks now include 121 and 375 CJK components, respectively. Note that the representative glyphs of the first block, all of which are G-source, were improved in the revised document, and that the non-G-source representative glyphs of the second block were also improved.

The intent is to propose targeting the standardization of these two blocks in Unicode Version 19.0 (2027). The Convenor of the IRG is therefore requesting feedback on this document from UTC WGs and UTC experts so that there can be a productive and meaningful discussion during IRG Meeting #66 (2026-03-16 through 2026-03-20).

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

Action Item for Ken Lunde, CJK: Convey to the authors of document IRG N2878R2 any feedback from UTC WGs and UTC experts on the two proposed new blocks tentatively named CJK Unified Ideographs Components-A and CJK Unified Ideographs Components-B, based on Section 12 of document L2/26-009.

Other Topics

13) Questionable Simplified/Traditional Pairs

Comments: The CLDR-TC received [Pull Request #5257](#), based on [CLDR-19171](#), for adding 1,894 new simplified/traditional mappings to *Simplified-Traditional.xml*, and asked this WG to review it. The initial review was conducted by Ken Lunde who determined that virtually all of the

mappings were either highly questionable or out-of-scope of the provisional *kSimplifiedVariant* and *kTraditionalVariant* properties, both of which are intended only for Chinese. The WG agreed with this assessment, and therefore recommends that the PR be rejected.

While discussing this PR, the WG recognized the lack of Unihan database properties that reflect simplified/traditional pairs per Japanese conventions, and therefore recommends that these relationships be added as two new provisional properties. For example, U+5263 劍 is the Japanese simplified form of U+528D 剣, but the Unihan database does not reflect this relationship. The table below shows the simplified forms of U+528D 剑 and how only the Chinese relationships are reflected in the Unihan database:

Traditional Form	Chinese	Simplified Form Japanese	Unihan Database
U+528D 劍	U+5251 剑	U+5263 劍	U+528D kSimplifiedVariant U+5251 U+5251 kTraditionalVariant U+528D

The WG further recommends that the Japan NB be contacted to solicit property data for these two new provisional properties.

Once a proposal has been prepared and submitted, the final naming of the new properties should be discussed by the UTC, perhaps to better reflect how simplified and traditional forms are expressed in Japanese, specifically as 新字体 (*shinjitai*; aka *new form*) and 旧字体 (*kyūjitai*; aka *old form*), respectively.

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

Action Item for Mark Davis, CLDR-TC: Reject CLDR Pull Request #5257, based on Section 13 of document L2/26-009.

Action Item for Ken Lunde, CJK: Contact the Japan NB to solicit property data for Japanese equivalents of the provisional *kSimplifiedVariant* and *kTraditionalVariant* properties, and to prepare and submit a proposal to add two new provisional properties to the Unihan database, based on Section 13 of document L2/26-009, for a future version of the standard.

14) IRG Document Migration Status

Comments: As of **2026-01-08**, the files associated with **1,678** unique IRG document numbers have been migrated or posted to the new [IRG Document Register](#) that is hosted by the Unicode Consortium. All documents for **IRG Meeting #31 and later**—document IRG N1489 and higher—have been migrated. In addition, all available documents from IRG N001 through N900 have been migrated (673 document numbers in that range are not available). Together these figures represent approximately **81%** of the unique IRG document numbers.

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

No UTC action is required.

15) Updated Provisional Unihan Database Properties

Comments: The purpose of this section is to provide a synopsis of adjustments that were made to provisional Unihan database properties by Ken Lunde since UTC Meeting #185 took place, which are shown in the table below:

Property	Additions	Removals	Changes	Notes
kGB3	1	1	18	
kGB5	4,176	2	9	See UTC Action Item 184-A113
kJapanese			2	
kSimplifiedVariant	21			
kStrange	9		7	
kTraditionalVariant	21			

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

No UTC action is required.

That is all.