Script Encoding Working Group

Recommendations to UTC #181 (November 2024) on Script Proposals

Date: 2024-11-01

From: Jan Kučera, Deborah Anderson, Manish Goregaokar, Ken Whistler, Roozbeh Pournader, and Peter Constable
Based on notes by: Manish Goregaokar with assistance from Debbie Anderson, Jan Kučera, Robin Leroy, and Quinn Dombrowski

Also participating: Basit Ali, Craig Cummings, Quinn Dombrowski, Lorna Evans, Audrey Gao, Liang Hai, Ned Holbrook, Anushah Hossain, Gavin Jared, Kushim Jiang, James Kirby, Robin Leroy, Steph Toyofuku Maclean, Kirk Miller, Denis Moyogo Jacquerye, Anshuman Pandey, Cheon Hyeong Sim, Lawrence Wolf-Sonkin, Ben Yang, Oreen Yousuf.

The Script Encoding Working Group met on August 16, September 20, and October 18, 2024, in order to review proposals. This document represents feedback on proposals that were available when the group met.

Table of Contents

1. New Scripts

1.1 Koré Sébèli #29

Documents:

L2/24-246: Proposal for the encoding of « KORE SEBELI » — Bangoura et al.

Related:

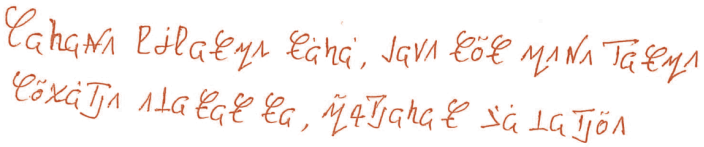
L2/22-222: Proposal for the encoding of « KORE SEBELI » — Bangoura et al.

Recommendation:

1. **[181-A??] Action Item** for V.S. Umamaheswaran, RMP: Add Kore Sebeli to the Roadmap at the following location: U+15B00..U+15B6F. [Ref: 1.1 in L2/24-228]

Comments:

We have received an updated proposal to encode Kore Sebeli, a recently invented script for the Soso language of West Africa. This version largely addresses comments made by the group, most notably adopting the Arabic model for diacritics. While this proposal is not yet ready for encoding or provisional code point assignment, we think it is sound enough to warrant a roadmap allocation.



Feedback on the updated version include:

- Re-order the characters with the uppercase first, then lowercase, then numbers and punctuation. Ensure consistent order throughout the proposal.
- Clarify that the characters with dots are not canonically decomposable.
- Note in the proposal that a second DA is not proposed, but may be in the future. Furthemore, the glyph in FFFBC is in error and should be removed, while the list of characters on page 43 misses FFFD9 NGUE
- The encoding of mathematical signs and punctuation had limited consensus. This included:
    - Remove EQUALS SIGN and FINAL POINT and replace them with existing characters, namely U+003A and sequence of U+002E, U+002F, U+002E, respectively.
    - Consider U+2ADF, U+2AE0 or U+22A5, U+22A4 instead of the proposed MINUS and PLUS signs. Provide additional examples.
    - DIVISION SIGN might need a higher-level protocol, provide examples in running text.
- Use only one ISO submission form and refer to the previous proposal in it (L2/22-222).
- Include page numbers.

This script will need to have IP cleared from the inventor, despite him being a co-author of the proposal.

2. New Characters

2.1 Cyrillic for Romanian Transitional Script #465

Documents:

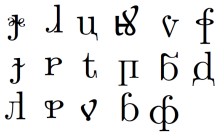
L2/24-215: Proposal to include transitional Cyrillic characters invented by I.H. Rădulescu in his proposal of the 19th Century Romanian Transitional Script — Frincu et al.

Recommendation:

1. **[181-A??] Action Item** for Denis Moyogo Jacquerye, SAH: Respond to the authors of L2/24-215, and point them to the FAQ on Latin and Cyrillic scripts. [Ref: 2.1 in L2/24-228]
2. **[181-A??] Action Item** for Debbie Anderson, SAH: Update the FAQ on Latin and Cyrillic script to apply to experimental orthographies. [Ref: 2.1 in L2/24-228]

Comments:

This is a proposal for transitional forms of letters used for some decades when the Romanian orthography switched from Cyrillic to Latin. For example, publishers used forms where Cyrillic b was made to look like Latin b or the other way around. Transitional alphabets are generally not the purview of Unicode, as is already stated in our FAQ page. Text using the transitional forms can be accurately represented using existing Cyrillic characters and an appropriate font.



2.2 Latin Capital R with Long Leg #527

Documents:

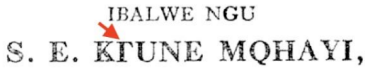
L2/24-237: Capital r with long leg — Jacquerye

Recommendation:

1. **[181-C??] Consensus** : Provisionally assign one code point U+A7E2 LATIN CAPITAL LETTER R WITH LONG LEG as described in L2/24-237, for a future version of the standard. [Ref: 2.2 in L2/24-228]
2. **[181-A??] Action Item** for Ken Whistler, RMG: Update the Pipeline to include one provisionally assigned code point U+A7E2 LATIN CAPITAL LETTER R WITH LONG LEG as described in L2/24-237. [Ref: 2.2 in L2/24-228]
3. **[181-A??] Action Item** for Ken Whistler, EDC: Add annotations for U+A7E2 LATIN CAPITAL LETTER R WITH LONG LEG and for U+0194, U+027C, U+A784, U+A785 as described in L2/24-237. [Ref: 2.2 in L2/24-228]

Comments:

This is a proposal for a capital letter "r" with a long leg, used in Xhosa from 1930s to 1955. A similar casepair also appeared in Pitman's Phonetic Journal and was adopted in 1945 by IPA to represent a voiced alveolar fricative trill (withdrawn in 1989). This is a character intended for historic use.



The existing glyph for U+0393 GREEK CAPITAL LETTER GAMMA can be used as the representative glyph for this character.

2.3 Latin Script R Glyphs and Capitals #529

Documents:

L2/24-243: Changing Latin script r glyphs and adding their capital characters — Jacquerye

Related:

L2/11-202: Revised proposal to encode "Teuthonista" phonetic characters — Everson et al.

Recommendation:

1. **[181-C??] Consensus** : Provisionally assign 2 code points U+AB6C LATIN CAPITAL LETTER SCRIPT R and U+AB6D LATIN CAPITAL LETTER SCRIPT R WITH RING as described in L2/24-237. [Ref: 2.3 in L2/24-228]
2. **[181-A??] Action Item** for Ken Whistler, RMG: Update the Pipeline to include 2 provisionally assigned code points U+AB6C LATIN CAPITAL LETTER SCRIPT R and U+AB6D LATIN CAPITAL LETTER SCRIPT R WITH RING as described in L2/24-243. [Ref: 2.3 in L2/24-228]
3. **[181-A??] Action Item** for Ken Whistler, EDC: Add annotations for U+AB6C LATIN CAPITAL LETTER SCRIPT R and U+218A TURNED DIGIT TWO as described in L2/24-243. [Ref: 2.3 in L2/24-228]
4. **[181-A??] Action Item** for Denis Moyogo Jacquerye, SAH: Send a font for U+AB6C LATIN CAPITAL LETTER SCRIPT R and U+AB6D LATIN CAPITAL LETTER SCRIPT R WITH RING to Michel Suignard. [Ref: 2.3 in L2/24-228]
5. **[181-A??] Action Item** for Denis Moyogo Jacquerye, SAH: Send a font with updated glyphs for U+AB4B LATIN SMALL LETTER SCRIPT R and U+AB4C LATIN SMALL LETTER SCRIPT R WITH RING to Michel Suignard. [Ref: 2.3 in L2/24-228]

Comments:

This is a request to change the glyphs for U+AB4B LATIN SMALL LETTER SCRIPT R and U+AB4C LATIN SMALL LETTER SCRIPT R WITH RING and to add the corresponding capital letters. The lowercase versions of the characters were originally proposed as part of the Teuthonista set of characters in L2/11-202, which shows them in their italic form only.

This proposal puts forward additional evidence that the letters are used beyond Teuthonista transcription in both uppercase and lowercase form and in roman style, which should be the starting point for font designers.

	AB4B	AB4C	*AB6C*	*AB6D*
Current	ꞁ	ꞓ		
Proposed	ꭹ	ꭻ	ꭹ	ꭻ

2.4 Archaic Cuneiform Numerals #542

Documents:

L2/24-210: Archaic cuneiform numerals — Leroy et al.

Related:

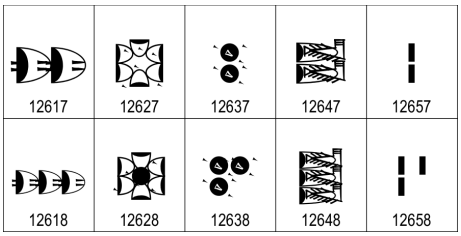
L2/24-239: Numeric annotations and properties for cuneiform signs — Leroy
L2/04-189: Final proposal to encode Cuneiform script — Everson et al.

Recommendation:

1. **[181-C??] Consensus** : Provisionally assign 311 code points U+12550..U+12686 in a new Archaic Cuneiform Numerals block at U+12550..U+1268F, as described in L2/24-210. [Ref: 2.4 in L2/24-228]
2. **[181-A??] Action Item** for Ken Whistler, RMG: Update the Pipeline to include 311 provisionally assigned code points U+12550..U+12686 in a new Archaic Cuneiform Numerals block at U+12550..U+1268F, as described in L2/24-210. [Ref: 2.4 in L2/24-228]
3. **[181-A??] Action Item** for Robin Leroy, EDC: Improve the documentation of the existing characters and their properties in section 11.1.2 (Cuneiform Numerals) of the Core Specification as suggested in L2/24-210, section 2.1. [Ref: 2.4 in L2/24-228]
4. **[181-A??] Action Item** for V.S. Umamaheswaran, RMP: Add Archaic Cuneiform Numerals to the Roadmap at the following location: U+12550..U+1268F. [Ref: 2.4 in L2/24-228]

Comments:

This document proposes encoding 311 numerals used during the Uruk IV and Uruk III periods, as well as Early Dynastic period in conjunction with the Sumero-Akkadian cuneiform script and the proto-cuneiform script. The proposed set is comprised of 164 proto-cuneiform characters (used in the fourth millennium), 147 cuneiform characters (used in the third millennium), and 61 cuneiform characters extended to proto-cuneiform via script extensions.



The proposal notes that the characters in Cuneiform script were provisionally treated as unifiable with the ones that are now already encoded in the original cuneiform proposal (L2/04-189). However, the document provides an extensive rationale for the disunification, demonstrating multiple kinds of contrastive usage between the proposed characters and the existing ones, both in historical texts and modern publications. The proposal also addresses compatibility concerns: the unification was effectively not used, so encoding the proposed characters poses no compatibility issues.

Annotations and Core Specification texts are proposed to clarify the usage, including documentation of the Numeric_Value property assignments to existing cuneiform numerals.

2.5 Two Tangut Ideographs #555

Documents:

L2/24-236: Proposal to encode two Tangut ideographs (WG2 N5286) — Chan et al.

Recommendation:

1. **[181-C??] Consensus** : Provisionally assign 2 code points U+18D1D TANGUT IDEOGRAPH-18D1D and U+18D1E TANGUT IDEOGRAPH-18D1E as described in L2/24-236. [Ref: 2.5 in L2/24-228]
2. **[181-A??] Action Item** for Ken Whistler, RMG: Update the Pipeline to include 2 provisionally assigned code points U+18D1D TANGUT IDEOGRAPH-18D1D and U+18D1E TANGUT IDEOGRAPH-18D1E as described in L2/24-236. [Ref: 2.5 in L2/24-228]
3. **[181-A??] Action Item** for Debbie Anderson, SAH: Work with the proposal author to send a font for U+18D1D TANGUT IDEOGRAPH-18D1D and U+18D1E TANGUT IDEOGRAPH-18D1E to Michel Suignard. [Ref: 2.5 in L2/24-228]

Comments:

This document proposes two Tangut characters found in a recently-published Tangut dictionary, and checked against original texts. This proposal has been reviewed by Andrew West, Dr. Sun Bojun, and other Tangut experts in China.

2.6 Phonetic: Barred Letters #510

Documents:

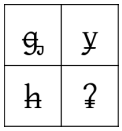
L2/24-234: Unicode request for barred letters — Miller et al.

Recommendation:

1. **[181-C??] Consensus** : Provisionally assign 23 code points U+1DF40..U+1DF56 to barred letters and 6 code points U+1DFD2..U+1DFD7 to modifier letters as described in L2/24-234. [Ref: 2.6 in L2/24-228]
2. **[181-A??] Action Item** for Ken Whistler, RMG: Update the Pipeline to include 29 provisionally assigned code points U+1DF40..U+1DF56 for barred letters and U+1DFD2..U+1DFD7 for modifier letters as described in L2/24-234. [Ref: 2.6 in L2/24-228]
3. **[181-A??] Action Item** for Kirk Miller, SAH: Send a font for U+1DF40..U+1DF56 and U+1DFD2..U+1DFD7 (barred letters) to Michel Suignard. [Ref: 2.6 in L2/24-228]

Comments:

This document proposes 29 code points for barred and modifier barred letters, historically used to represent fricatives in phonetic notation and attested in fieldnotes. There were some reservations against the naming but no alternative was proposed. The evidence was found satisfactory.



2.7 Phonetic: Compound Tone Diacritics #528

Documents:

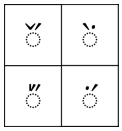
L2/24-232: Unicode request for compound tone diacritics III — Miller

Recommendation:

1. **[181-C??] Consensus** : Provisionally assign 7 code points U+1ADE..U+1ADF and U+1AEC..U+1AF0 to combining diacritical marks as described in L2/24-232. [Ref: 2.7 in L2/24-228]
2. **[181-A??] Action Item** for Ken Whistler, RMG: Update the Pipeline to include 7 provisionally assigned code points U+1ADE..U+1ADF and U+1AEC..U+1AF0 for combining diacritical marks as described in L2/24-232. [Ref: 2.7 in L2/24-228]
3. **[181-A??] Action Item** for Kirk Miller, SAH: Send a font for U+1ADE..U+1ADF and U+1AEC..U+1AF0 (compound tone diacritics III) to Michel Suignard. [Ref: 2.7 in L2/24-228]

Comments:

This document proposes 7 code points for diacritical marks to represent various tone marks used in some phonetic transcription systems. There were no objections to encoding the proposed set of characters.



2.8 Phonetic: Subscript w y z and ɣ #553

Documents:

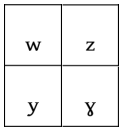
L2/24-219: Unicode request for subscript w y z and ɣ — Miller

Recommendation:

1. **[181-C??] Consensus** : Provisionally assign 4 code points U+209D..U+209F and U+1DFD0 to Latin subscript letters as described in L2/24-219. [Ref: 2.8 in L2/24-228]
2. **[181-A??] Action Item** for Ken Whistler, RMG: Update the Pipeline to include 4 provisionally assigned code points U+209D..U+209F and U+1DFD0 for Latin subscript letters as described in L2/24-219. [Ref: 2.8 in L2/24-228]
3. **[181-A??] Action Item** for Kirk Miller, SAH: Send a font for U+209D..U+209F and U+1DFD0 (w y z and gamma) to Michel Suignard. [Ref: 2.8 in L2/24-228]

Comments:

This document proposes 4 code points for Latin subscript letters w, y, z and gamma used in several phonetic transcription systems. The evidence was found satisfactory.



2.9 Phonetic: Modifier Small Capital P #553 · #521 · #511

Documents:

L2/24-231: Unicode request for modifier small capital P — Miller and Jacquerye
L2/02-141: Uralic Phonetic Alphabet characters for the UCS

Recommendation:

1. **[181-C??] Consensus** : Provisionally assign one code point U+1DFD1 MODIFIER LETTER SMALL CAPITAL P as described in L2/24-231. [Ref: 2.9 in L2/24-228]
2. **[181-A??] Action Item** for Ken Whistler, RMG: Update the Pipeline to include one provisionally assigned code point U+1DFD1 MODIFIER LETTER SMALL CAPITAL P as described in L2/24-231. [Ref: 2.9 in L2/24-228]
3. **[181-A??] Action Item** for Kirk Miller, SAH: Send a font for U+1DFD1 MODIFIER LETTER SMALL CAPITAL P to Michel Suignard. [Ref: 2.9 in L2/24-228]

Comments:

This document proposes a modifier letter version of U+1D18 LATIN LETTER SMALL CAPITAL P, a common convention for trilled release. Earlier versions of the proposal contained several small capital letters for phonetic or linguistic transcriptions, but the group felt these were not used contrastively and the need for plain text interchange was not justified. The modifier small capital P was found to be used in a couple of recent documents.

Unicode already has U+1D3E MODIFIER LETTER CAPITAL P, added by L2/02-141 for the Uralic Phonetic Alphabet.

3. New Symbols

3.1 Currency: Pridnestrovian Ruble #228

Documents:

L2/24-134R: Proposal to Encode a Pridnestrovian Ruble Sign in the Unicode Standard — Adrianov

Related:

L2/23-022: Proposal to encode Transnistrian Ruble Sign — Manulov
L2/19-291: Currency signs missing in Unicode — Silva

Recommendation:

1. **[181-C??] Consensus** : Provisionally assign one code point for U+20C1 RUBLE SIGN WITH DOUBLE VERTICAL STEM as described in L2/24-134R. [Ref: 3.1 in L2/24-228]
2. **[181-A??] Action Item** for Ken Whistler, RMG: Update the Pipeline to include one provisionally assigned code point U+20C1 RUBLE SIGN WITH DOUBLE VERTICAL STEM as described in L2/24-134R. [Ref: 3.1 in L2/24-228]
3. **[181-A??] Action Item** for Debbie Anderson, SAH: Work with the proposal author to send a font for U+20C1 RUBLE SIGN WITH DOUBLE VERTICAL STEM to Michel Suignard. [Ref: 3.1 in L2/24-228]

Comments:

This proposes a new code point for an in-use currency, with textual evidence of this symbol provided. The character was proposed earlier by others (e.g., L2/23-022 and it was mentioned in L2/19-291), but this revised proposal now includes additional evidence that was deemed sufficient to the group.

Of the two glyphs proposed, we prefer the slanted variant on the right on page 3, since it aligns better with other glyphs in the Currency Symbols block.

3.2 Music: Triple and Quadruple Flat #446

Documents:

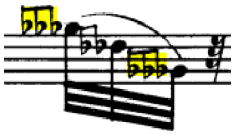
L2/24-214: Unicode request for triple and quadruple flat — Bala and Miller

Recommendation:

1. **[181-C??] Consensus** : Provisionally assign one code point U+1D260 MUSICAL SYMBOL TRIPLE FLAT as described in L2/24-214. [Ref: 3.2 in L2/24-228]
2. **[181-A??] Action Item** for Ken Whistler, RMG: Update the Pipeline to include one provisionally assigned code point U+1D260 MUSICAL SYMBOL TRIPLE FLAT as described in L2/24-214. [Ref: 3.2 in L2/24-228]
3. **[181-A??] Action Item** for Kirk Miller, SAH: Send a font for U+1D260 MUSICAL SYMBOL TRIPLE FLAT to Michel Suignard. [Ref: 3.2 in L2/24-228]

Comments:

We reviewed a proposal for encoding triple- and quadruple-flat musical symbols. The triple-flat accidental was found to be quite well attested in printed sheet music and included in SMuFL, however the evidence for quadruple-flat seems to be much weaker and only found in educational context.



We therefore recommend encoding the triple-flat accidental only at this time.

3.3 Music: Additional Tremoli #447

Documents:

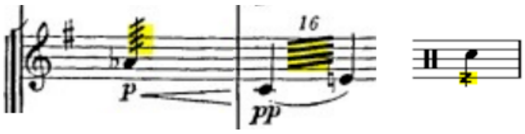
L2/24-213: Unicode request for additional tremoli — Bala and Miller

Recommendation:

1. **[181-C??] Consensus** : Provisionally assign 5 code points U+1D25B..U+1D25F to musical symbols as described in L2/24-213. [Ref: 3.3 in L2/24-228]
2. **[181-A??] Action Item** for Ken Whistler, RMG: Update the Pipeline to include 5 provisionally assigned code points U+1D25B..U+1D25F for musical symbols as described in L2/24-213. [Ref: 3.3 in L2/24-228]
3. **[181-A??] Action Item** for Kirk Miller, SAH: Send a font for U+1D25B..U+1D25F (additional tremoli) to Michel Suignard. [Ref: 3.3 in L2/24-228]

Comments:

We reviewed a proposal for encoding four- and five-slash tremolo musical symbols in both combining and fingered variants, as well as a buzz roll for use by percussionists. We already have up-to three-slash tremolo signs, where the number of slashes indicates the speed of repetition. Higher number of slashes were found in several printed sheet music.



All the characters are available in Standard Music Font Layout (SMuFL) and the group was satisfied with the provided evidence.

3.4 Japanese traditional calendar symbols #515

Documents:

L2/24-151: Proposal for two geometric shapes for Japanese traditional calendars — Kojitani

Recommendation:

1. **[181-C??] Consensus** : Provisionally assign 2 code points U+1F1AE TOMOBIKI SYMBOL and U+1F7DA BLACK CIRCLE WITH WHITE VERTICAL BAR as described in L2/24-151. [Ref: 3.4 in L2/24-228]
2. **[181-A??] Action Item** for Ken Whistler, RMG: Update the Pipeline to include 2 provisionally assigned code points U+1F1AE TOMOBIKI SYMBOL and U+1F7DA BLACK CIRCLE WITH WHITE VERTICAL BAR asd described in L2/24-151. [Ref: 3.4 in L2/24-228]
3. **[181-A??] Action Item** for Ken Whistler, EDC: Annotate all six rokuyō symbols with their names as documented in L2/24-151. Furthermore, document that U+1F1AE TOMOBIKI SYMBOL may occasionally take on a Y shape. [Ref: 3.4 in L2/24-228]
4. **[181-A??] Action Item** for Debbie Anderson, SAH: Work with the proposal author to send a font for U+1F1AE TOMOBIKI SYMBOL and U+1F7DA BLACK CIRCLE WITH WHITE VERTICAL BAR to Michel Suignard. [Ref: 3.4 in L2/24-228]

Comments:

This document introduces rokuyō, one of the calendar annotations used in the traditional Japanese calendar. It consists of six types of "days of the week" represented each by their own symbol. Our current set of characters can be used for 4 of these symbols, and this document proposes the 2 missing characters.

One of the two proposed characters behaves like a geometric shape and has been proposed as U+1F7DA BLACK CIRCLE WITH WHITE VERTICAL BAR in the Geometric Shapes-Extended block. The other one varies in shape, with some sources showing a circled "Y" shape rather than circled "T" shape, and is therefore proposed with a semantic name and placed in the Enclosed Alphanumeric Supplement block (which already includes a few non-alphanumeric symbols, such as U+1F16F CIRCLED HUMAN FIGURE).

The Japanese national body has been informed of the recommendations here and expressed no opposition to encoding these characters, provided the tomobiki symbol comes with annotation on the shape variants.

3.5 Cossic characters #545 · #289

Documents:

L2/24-244: Proposal to encode 11 cossic characters — Mayer et al.

Related:

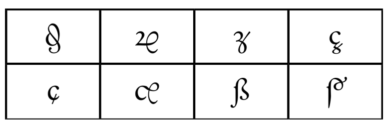
L2/24-141: Proposal to add historic scientific characters — Mayer et al.

Recommendation:

1. **[181-A??] Action Item** for Robin Leroy, SAH: Send comments to the authors of the cossic characters proposal L2/24-244. [Ref: 3.5 in L2/24-228]

Comments:

In our last report, we suggested to authors of L2/24-141 to split out the proposal for historic scientific characters into several smaller proposals, and this document is proposing one of the subsets from the original proposal.



We briefly reviewed this proposal and agreed that some of the characters might be eligible for encoding, but not in the way they are currently proposed. This was already part of our feedback for the original proposal, which does not seem to have been addressed.

4. Changes to Characters

4.1 Adlam Glyphs Updates #379

Documents:

L2/24-205: Replacement of Adlam Reference Font in Codesheet to Updated Design — Patel et al.

Related:

UTN #58: Evolution of Adlam Characters Since Encoding
L2/19-119R: Replacement of Adlam Reference Font in Codesheet to Updated Design — Patel et al.

Recommendation:

1. **[181-C??] Consensus** : Change the chart font for the Adlam script to a new version of the Ebrima font as shown in L2/24-205, for Unicode 17.0 [Ref: 4.1 in L2/24-228]
2. **[181-A??] Action Item** for Michel Suignard, Charts: Update the reference glyphs in the Adlam charts using a new font for Unicode 17.0 as per L2/24-205. [Ref: 4.1 in L2/24-228]
3. **[181-A??] Action Item** for Debbie Anderson, SAH: Create a glyph erratum for the Adlam script for Unicode 17.0, pointing to UTN 58 for details, based on L2/24-205. [Ref: 4.1 in L2/24-228]
4. **[181-A??] Action Item** for Lawrence Wolf-Sonkin, SAH: Clarify the behavior of the Adlam Alif Lengthener in the Core Specification. [Ref: 4.1 in L2/24-228]

Comments:

We discussed another request to change the font of the representative glyphs in the Adlam block (the previous one being L2/19-119R), despite past assurances about the changes being final, which raised concerns amongst the group. Questions were raised about stability, evidence of the proposed changes, whether the changes constitute new characters (which some part of the community could decide not to adopt), equal treatment of similar scripts, and setting an undesirable precedence for encoding in the future.

Current	𞤀	𞤄	𞤇	𞤊	𞤍	𞤑	𞤕	𞤘
Proposed	𞤐	𞤔	𞤗	𞤚	𞤝	𞤡	𞤥	𞤨

The proposal author explained that currently only 4 fonts exist for Adlam, of which two are shipped by members of Unicode and at least one vendor indicated that glyph changes would need to be accepted by the UTC first to update the fonts accordingly. It is in the best interest of the community to adapt all changes unanimously.

Adlam is a very unique case in the Unicode repertoire by being a cursive, connected script that is cased. It is still undergoing development, and the changes are a result of the community trying to get the connected form of letters readable and usable. This also means our standard requirements for such proposals do not work well. The existence of these proposals indicates that stability cannot be guaranteed and any new evidence is unlikely to meet our bar.

However, we did encode Adlam and we now need to ensure not to cause harm and damage to the community and to support them in their orthography efforts. We recognize that the community is putting significant work into making the writing system serve their needs and therefore to be used as much as possible, which is what we usually look for in evidence.

Given the history of changes in glyphs for Adlam, we have no objections to implementing the proposed changes, and we would like to issue glyph erratum for these changes. In order for users to be able to identify characters in documents written in one of the earlier published glyphs, we have asked the proposal author to document all the changes to glyphs since encoding of the script and this is now available as UTN #58.

Some concerns were raised about U+1E944 ADLAM ALIF LENGTHENER in contrast to U+1E945 ADLAM VOWEL LENGTHENER and the fact that it does not seem to be used on the letter alif. We would like to see some clarification on this character added to the Core Specification.

4.2 Tifinagh and Combining Diacritics #535

Related:

UTN #59: Representing Tifinagh in Unicode

Recommendation:

1. **[181-C??] Consensus** : Revise entries in ScriptExtensions.txt file to add Tfng to U+0306, U+0308, and U+0323, for Unicode 17.0. [Ref: 4.2 in L2/24-228]
2. **[181-A??] Action Item** for Roozbeh Pournader, PAG: Revise entries in ScriptExtensions.txt file to add Tfng to U+0306, U+0308, and U+0323, for Unicode 17.0 [Ref: 4.2 in L2/24-228]

Comments:

It was brought to our attention by Roozbeh Pournader and Lorna Evans that U+0306 COMBINING BREVE, U+0308 COMBINING DIAERESIS, and U+0323 COMBINING DOT BELOW are attested in Tifinagh documents as documented in UTN #59, and we would like to update the script extensions data to reflect these findings.

4.3 Vietnamese Apex Annotation #415

Documents:

L2/24-111: Annotation request for Vietnamese apex — Nguyen and Miller

Related:

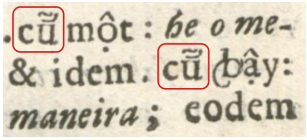
L2/24-103: Clarification of use and forms of certain combining characters — Wills

Recommendation:

1. **[181-A??] Action Item** for Ken Whistler, EDC: Annotate U+1DC4 COMBINING MACRON-ACUTE to mention that it can be used for the Middle Vietnamese Apex, as documented in L2/24-111, for Unicode 17.0. [Ref: 4.3 in L2/24-228]
2. **[181-A??] Action Item** for Robin Leroy, EDC: Propose text for sections 7.1 (Latin) and 7.2 (Greek) of the Core Specification briefly summarizing the diachrony of tildes in Greek, Vietnamese, and Portuguese, and documenting appropriate encoding of these marks in diplomatic editions of historical documents. [Ref: 4.3 in L2/24-228]

Comments:

This proposal originally requested a new character for a diacritical mark called "apex" used in Vietnamese orthography and that is said to have derived from the tilde (unrelated to the Latin apex used in Classical Latin). The word "apex" was used for tilde in Portuguese dictionaries of 16th and 17th centuries.



The group felt there was already a good character to represent the mark in question, U+1DC4 COMBINING MACRON-ACUTE, which is already used for this purpose on several occasions in Wikisource and Wiktionary.

During the course of discussions, several other characters were considered and rejected:

- U+0303 COMBINING TILDE: Both shapes are used contrastively at the same time, sometimes even on top of each other.
- U+0483 COMBINING CYRILLIC TITLO: Currently assigned script usage is Cyrillic and Old Permic. Additionally, it looks somewhat distinct from this glyph.
- U+1DD1 COMBINING UR ABOVE (current proposal): It takes a variety of forms only one of which is similar to the apex. The L2/24-103 describes the forms and argues against such unification.

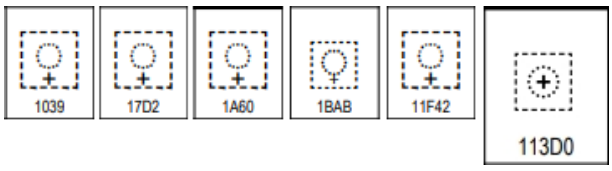
4.4 Tulu-Tigalari Conjoiner Glyph #540

Recommendation:

1. **[181-C??] Consensus** : Update the reference glyph for U+113D0 TULU-TIGALARI CONJOINER to have the plus element underneath the dotted circle, for Unicode 17.0. [Ref: 4.4 in L2/24-228]
2. **[181-A??] Action Item** for Peter Constable, SAH: Send a font with an updated reference glyph for U+113D0 TULU-TIGALARI CONJOINER to Michel Suignard. [Ref: 4.4 in L2/24-228]

Comments:

We received an internal feedback from Peter Constable about the inconsistency of the representative glyph of U+113D0 TULU-TIGALARI CONJOINER, having a plus sign inside a dotted circle, with glyphs for similar characters in other scripts, having the plus sign below the dotted circle. The group agreed to align the Tulu-Tigalari representative glyphs with the others.



4.5 Alchemical Symbols Annotations #455

Documents:

L2/24-218: Annotations for the alchemical block — Miller

Recommendation:

1. **[181-A??] Action Item** for Ken Whistler, EDC: Update annotations for U+26E2, U+1F71E, U+1F75D, U+1F761, U+1F765, and U+1F768 as described in L2/24-218, for Unicode 17.0. [Ref: 4.5 in L2/24-228]

Comments:

This document proposes various cross-references for characters in the Alchemical Symbols block, and an annotation for U+26E2 ASTRONOMICAL SYMBOL FOR URANUS. It also suggests to fix a typo in an annotation for U+1F765 and to remove a cross-reference from U+1F768, alchemical symbols for crucible.

The group agreed that making the proposed changes would be helpful to users.

4.6 Indic_Syllabic_Category of vowel carriers #526

Documents:

L2/24-203: On the Indic_Syllabic_Category of vowel carriers — Leroy

Recommendation:

1. **[181-C??] Consensus** : Change the Indic_Syllabic_Category of U+11A50 SOYOMBO LETTER A and U+11A00 ZANABAZAR SQUARE LETTER A from Vowel_Independent to Consonant, and that of U+1900 LIMBU VOWEL-CARRIER LETTER from Consonant_Placeholder to Consonant, for Unicode 17.0 [Ref: 4.6 in L2/24-228]
2. **[181-A??] Action Item** for Roozbeh Pournader, PAG: Change the Indic_Syllabic_Category of U+11A50 SOYOMBO LETTER A and U+11A00 ZANABAZAR SQUARE LETTER A from Vowel_Independent to Consonant, and that of U+1900 LIMBU VOWEL-CARRIER LETTER from Consonant_Placeholder to Consonant, for Unicode 17.0. [Ref: 4.6 in L2/24-228]
3. **[181-A??] Action Item** for Robin Leroy, PAG: Propose text for comments on IndicSyllabicCategory.txt in the description of InSC=Consonant and InSC=Consonant_Placeholder to clarify the classification of the group of characters mentioned in L2/24-203, including a specific mention of U+0F68 TIBETAN LETTER A, for Unicode 17.0. [Ref: 4.6 in L2/24-228]

Comments:

We have reviewed this document, which arose from discussions in the Properties and Algorithms Group while determining property assignments for Unicode 16.0.

The document proposes a systematic assignment of InSC=Consonant to vowel-carriers in scripts that would otherwise have a single independent vowel, so as to avoid putting the UTC in the position of deciding on a case-by-case basis whether to analyse something as a null consonant or a glottal stop. The group agreed with this recommendation. Documentation in IndicSyllabicCategory.txt should be updated accordingly.

4.7 Greek letters with palatal hook #486

Documents:

L2/24-202: Phonetic characters: Greek and Latin? — Jacquerye

Related:

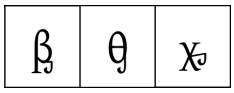
L2/24-146: Unicode request for Greek letters with palatal hook — Miller
L2/24-145: Unicode request for modifier psi and omega — Miller

Recommendation:

1. **[181-C??] Consensus** : Change the name of provisionally assigned characters from UTC-180-C35 U+1DF3B GREEK SMALL LETTER BETA WITH PALATAL HOOK, U+1DF3C GREEK SMALL LETTER THETA WITH PALATAL HOOK, U+1DF3D GREEK SMALL LETTER CHI WITH PALATAL HOOK to U+1DF3B LATIN SMALL LETTER BETA WITH PALATAL HOOK, U+1DF3C LATIN SMALL LETTER THETA WITH PALATAL HOOK, U+1DF3D LATIN SMALL LETTER CHI WITH PALATAL HOOK with a new script property of Latn. [Ref: 4.7 in L2/24-228]
2. **[181-A??] Action Item** for Ken Whistler, RMG: Update the Pipeline to reflect the renaming of provisionally assigned characters U+1DF3B..U+1DF3D from GREEK to LATIN. [Ref: 4.7 in L2/24-228]
3. **[181-A??] Action Item** for Robin Leroy, PAG: Update draft data to change the name of provisionally assigned characters U+1DF3B..U+1DF3D from GREEK to LATIN. [Ref: 4.7 in L2/24-228]
4. **[181-A??] Action Item** for Robin Leroy, PAG: Update draft data to change the Script property of provisionally assigned characters U+1DF3B..U+1DF3D from Greek to Latin. [Ref: 4.7 in L2/24-228]

Comments:

L2/24-146 proposed 3 Greek letters with palatal hook for phonetic transcription, which were provisionally assigned to U+1DF3B..U+1DF3D by UTC-180-C35. The group had decided these be named as Greek letters, but kept in a Latin Extended block, similar to some other Greek-derived phonetic transcription letters already encoded.



However, the existing Greek-derived phonetic transcription letters in the Latin Extended blocks are modifier letters, like U+1D5D MODIFIER LETTER SMALL BETA. Modifier letters have an additional constraint: they must under NFkD produce the original letter, and with that in mind it makes more sense for them to be termed as Greek letters. Furthermore, these modifier letters were added before the introduction of disunifications like U+A7B5 LATIN SMALL LETTER BETA.

We have other Greek-derived non-modifier phonetic transcription letters like U+AB54 LATIN SMALL LETTER CHI WITH LOW RIGHT RING and U+AB55 LATIN SMALL LETTER CHI WITH LOW LEFT SERIF, which are named as Latin letters.

These new phonetic transcription letters are primarily intended to be used with IPA, a Latin-based phonetic system, so barring further constraints they ought to be named Latin and of Latin script

5. Other

5.1 Egyptian Hieroglyphs rotations #551 · #378

Documents:

L2/24-238: Additional Variation Selectors for Rotations of Ancient Egyptian Hieroglyphic Texts Daniel — Werning et al.

Related:

L2/24-177: Additional Variation Selectors as Substitutes for Legacy v5.2–v15 Hieroglyphs — Werning
L2/21-248: Additional control characters for Ancient Egyptian hieroglyphic texts — Glass et al.

Recommendation:

1. **[181-C??] Consensus** : Accept the variation sequences for Egyptian hieroglyph rotations as described in L2/24-238, for Unicode 17.0. [Ref: 5.1 in L2/24-228]
2. **[181-A??] Action Item** for Ken Whistler, PAG: Add the variation sequences for Egyptian hieroglyph rotations to StandardizedVariants.txt as described in L2/24-238 for Unicode 17.0. [Ref: 5.1 in L2/24-228]
3. **[181-A??] Action Item** for Roozbeh Pournader, SAH: Propose additions to Unikemet for equivalent sequences for legacy characters and send to Michel Suignard. [Ref: 5.1 in L2/24-228]

Comments:

In accordance with L2/21-248, we encoded rotated Egyptian hieroglyphics signs with semantic distinction as separate characters, while non-meaningful rotations are facilitated using variation selectors. In previous proposals, VS1-3 were assigned to the rotations of 90, 180 and 270 degrees and VS4-7 to the angles in-between.

It should be noted that these variation selectors are not format controls intended to rotate glyphs generically, but rather are used in variation sequences that specify particular glyphs with rotated or reflected glyph shapes.

This document proposes 42 new standardized variation sequences based on evidence from numerous hieroglyphic text databases, following discussion in the academic community. It is noted that this set contains the first sequences utilizing VS5 and VS6.

5.2 Mandaic Letter Kad #425

Documents:

L2/24-133: On the future of MANDAIC LETTER KAD — Yang

Related:

L2/20-049: Mandaic KAD — Al-Sabti
L2/20-043: The Non-Joining U+0856 in the Mandaic Unicode Standard — Al-Sabti

Recommendation:

1. **[181-A??] Action Item** for Ben Yang, SAH, Robin Leroy, SAH: Clarify the guidance regarding the use of KAD vs. AK + DUSHENNA in the Core Specification, section 9.5 (Mandaic). [Ref: 5.2 in L2/24-228]

Comments:

The analysis in this document was prompted by comments sent in by David Corbett, questioning the difference between 𐡍 U+0857 MANDAIC LETTER KAD and the sequence 𐡊𐡍 U+084A MANDAIC LETTER AK, U+0856 MANDAIC LETTER DUSHENNA. The document proposed adding KAD to DoNotEmit.txt, based on the two being visually identical in a font implementing joining behavior introduced in Unicode 13.0 and limited usage of Unicode Mandaic in existing texts.

However, further investigation showed these assumptions to be incorrect: a widely used Noto font shows a visual difference and significant encoded corpora were found having hundred instances of KAD. Furthermore, the evidence presented in L2/20-049 shows an unligated AK + DUSHENNA (Figure 5), so neither the sequence should be added to DoNotEmit.txt. Instead, the Core Specification should be updated to clarify the usage, i.e. using the sequence where unligated appearance is desired.

5.3 Consonant_With_Stacker vs. Consonant_Prefixed #428

Related:

L2/24-100: Proposal to Encode the Box-Headed script in Unicode — Mandal

Recommendation:

1. **[181-A??] Action Item** for Roozbeh Pournader, SAH: Update comments in IndicSyllabicCategory.txt to better reflect the meaning of InSC values Consonant_With_Stacker, Consonant_Prefixed, Consonant_Preceding_Repha, Consonant_Initial_Postfixed, and Consonant_Succeeding_Repha, for Unicode 17.0. [Ref: 5.3 in L2/24-228]

Comments:

We received feedback from Norbert Lindenberg, asking for clarification on the difference between `Consonant_With_Stacker` ("Consonants that may make stacked ligatures with the next consonant without the use of a virama") and `Consonant_Prefix` ("Cluster-initial consonants"). This was raised in the context of L2/24-100, which proposes `Consonant_Prefixed` for several consonants that are shown as stacking in the evidence provided.

We propose to change the descriptions in comments for the Indic syllabic categories as follows:

- `Consonant_With_Stacker`: Consonants that may cause conjunct formation or consonant stacking with the next consonant, without the use of a stacker.
- `Consonant_Preceding_Repha`: Cluster-initial "r" consonants in the form of a dependent sign (also known as "repha") that precede the base character in the encoding order, but are reordered to be somewhere after the base in display. Reanalyzed in some orthographies to be a final consonant.
- `Consonant_Prefixed`: Other consonants that behave like a Consonant_Preceding_Repha.
- `Consonant_Succeeding_Repha`: Cluster-initial "r" consonants that behave like a `Consonant_Preceding_Repha` but succeeding the base character in the encoding order, and are thus not reordered in display. Reanalyzed in some orthographies to be a final consonant.
- `Consonant_Initial_Postfixed`: Other consonants that behave like a Consonant_Succeeding_Repha.

6. Public Feedback

6.1 Tulu-Tigalari #520

Documents:

ID20240701114531: Comments on Public Review Issues (July 2, 2024 - Oct 16, 2024)

Related:

L2/22-068: Recommendations to UTC #171 April 2022 on Script Proposals
L2/22-031: Updated proposal to encode the Tulu-Tigalari script in Unicode — Murthy et al.

Recommendation:

1. **[181-A??] Action Item** for Manish Goragaokar, SAH: Respond to Guru Prasad regarding their feedback dated Mon Jul 01 11:45:31 CDT 2024 with comments from SEW report. [Ref: 6.1 in L2/24-228]

Comments:

We received feedback asking for the use of a nukta or another character for visible virama in Tulu-Tigalari, which has separate characters for conjunct formation and implicit vowel removal.

As covered in Section 7 of L2/22-068, a distinction between a visible virama and conjoiner was made to avoid problems that scripts like Malayalam have faced with the ISCII model, problems which have negatively impacted end users of those scripts and have taken a lot of ad-hoc workarounds to fix in the model.

Automatic transliterations are still possible with slightly more complex algorithms. The encoding is designed to best serve the end users: software developers wishing to perform transliterations needing to do a bit of extra work is an acceptable cost.

A visible virama is not a nukta: it is not a means of indicating new (often foreign) sounds that are otherwise not present in the script. The mark removes the inherent vowel, which in an Indic context makes it a virama. It would confuse implementations if it were marked as something else.

6.2 Khitan Small Script Glyph U+18CFF #522

Documents:

ID20240719094815: Comments on Public Review Issues (July 2, 2024 - Oct 16, 2024)

Related:

L2/23-065: Proposal to encode a blank character for Khitan Small Script — West

Recommendation:

1. **[181-A??] Action Item** for Debbie Anderson, SAH: Respond to Philippe Verdy regarding their feedback dated Fri Jul 19 09:48:15 CDT 2024 with comments from SEW report. [Ref: 6.2 in L2/24-228]

Comments:

In this feedback, the submitter recommended changing the Khitan Small Script glyph for U+18CFF, since it is a square and resembles "tofu." The current glyph is attested in actual use, so the group does not recommend switching to any unattested glyph.

Note that the proposal for this character, L2/23-065, states on page 5: “For fonts that implement clustering behaviour, rectangular variants of this character should be applied as appropriate. Examples from my test font are shown below [which show variable width and height when part of a cluster].” However, the representative glyph was a square and should be represented in the code chart as proposed.

6.3 ExtIPA cartouche #525

Documents:

ID20240715142900: Comments on Public Review Issues (July 2, 2024 - Oct 16, 2024)

Related:

L2/24-182: Unicode request for ExtIPA cartouche — Miller and Ball

Comments:

This is feedback received on a proposal before it was reviewed by the group and that eventually wasn't been recommended for UTC action. The feedback was forwarded to the proposal author.

6.4 Hiragana ligature #530 · #514 · #276

Documents:

ID20240809155424: Comments on Public Review Issues (July 2, 2024 - Oct 16, 2024)

Related:

L2/24-165: CJK & Unihan Working Group Recommendations for UTC #180 Meeting (section 15)
L2/24-150: Proposal for missing three Kana-Ligatures — Kojitani
L2/23-112: Proposal for missing Kana-Ligatures — Kojitani

Recommendation:

1. **[181-A??] Action Item** for Manish Goragaokar, SAH: Respond to Eduardo Marín Silva regarding their feedback dated Fri Aug 09 15:54:24 CDT 2024 with comments from SEW report. [Ref: 6.4 in L2/24-228]

Comments:

This feedback is asking to move a recently assigned Hiragana ligature from the Kana Extended-A block to the main Hiragana block.

However, the code points for 1 Hiragana and 2 Katakana ligatures were assigned to the Kana Extended-A block for better discoverability and should be kept together. The block already contains a Hiragana character.

6.5 Greek Letters and Modifiers in Latin Block #531

Documents:

ID20240809154445: Comments on Public Review Issues (July 2, 2024 - Oct 16, 2024)

Related:

L2/24-202: Phonetic characters: Greek and Latin? — Jacquerye
L2/24-146: Unicode request for Greek letters with palatal hook — Miller
L2/24-145: Unicode request for modifier psi and omega — Miller

Recommendation:

1. **[181-A??] Action Item** for Manish Goragaokar, SAH: Respond to Eduardo Marin Silva regarding their feedback dated Fri Aug 09 15:44:45 CDT 2024 with comments from SEW report. [Ref: 6.5 in L2/24-228]

Comments:

This feedback is asking to move recently assigned Greek and modifier letters for phonetic use from the Latin Extended-G block to the Greek blocks, due to the concern of creating a precedent mixing Greek and Latin letters in a block named Greek or Latin.

In the case of the Greek letters, we have recommended in section 4.7 of this report to rename them to Latin.

In the case of modifier letters, the group is opposed to putting them in the Greek block, since this will hinder its discoverability. There are no other modifiers in the Greek blocks and we consider keeping modifiers together to be of higher value than keeping Greek and Greek-like characters together.

6.6 Name of IPA diacritic COMBINING LEFT ANGLE CENTERED ABOVE #532

Documents:

ID20240814061638: Comments on Public Review Issues (July 2, 2024 - Oct 16, 2024)

Related:

L2/24-080: Unicode request for IPA diacritics above and one below — Miller

Recommendation:

1. **[181-C??] Consensus** : Change the name of provisionally assigned character U+1AE9 COMBINING LEFT ANGLE CENTERED ABOVE to COMBINING LEFT ANGLE CENTRED ABOVE. [Ref: 6.6 in L2/24-228]
2. **[181-A??] Action Item** for Ken Whistler, RMG: Update the Pipeline to change the name of provisionally assigned character U+1AE9 COMBINING LEFT ANGLE CENTERED ABOVE to COMBINING LEFT ANGLE CENTRED ABOVE. [Ref: 6.6 in L2/24-228]
3. **[181-A??] Action Item** for Robin Leroy, PAG: Update the draft data to change the name of provisionally assigned character U+1AE9 COMBINING LEFT ANGLE CENTERED ABOVE to COMBINING LEFT ANGLE CENTRED ABOVE. [Ref: 6.6 in L2/24-228]

Comments:

We received feedback that U+1AE9 was provisionally assigned with a character name using the American spelling "centered" rather than the British spelling "centred". Unicode uses British spellings in character names where possible. The group agrees with the feedback that the names should be updated.

7. No Action Required

7.1 Vexillology #319

Documents:

L2/24-245: Proposal to Encode Vexillology Symbols in Unicode — Pandey

Related:

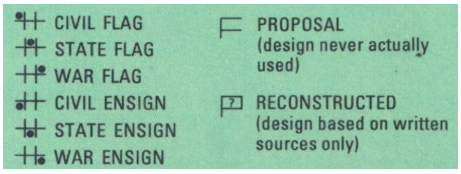
L2/17-089: Preliminary proposal to encode Vexillology Symbols in Unicode — Pandey

Recommendation:

No action is requested of the UTC.

Comments:

We reviewed a revision of a proposal to encode vexillology symbols, to which we had provided feedback in L2/17-153.



The evidence does not demonstrate the need for interchange in plain text, and this comment was forwarded to the proposal author.

7.2 Top right spacing anusvara in Bengali #482

Documents:

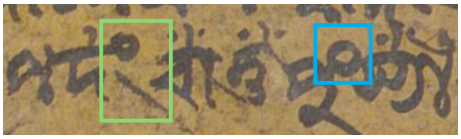
L2/24-240: Top Right Spacing Anusvara in Bengali/Assamese — Kučera and Li

Recommendation:

No action is requested of the UTC.

Comments:

This document presents a form of Bengali anusvara without the bottom stroke found on some coins and manuscripts. This could be viewed as a font or contextual variation. While there is some contrastive evidence, it is unclear whether any users are trying to represent this contrast in digital text.



We are seeking feedback from the wider community on this document and practice.

7.3 128 User-Defined Variation Selectors #495

Documents:

L2/24-199: A Letter in Support of N5266 "Proposal to Encode a Set of 128 User-Defined Variation Selectors" — Yacob

Related:

L2/24-148: Proposal to Encode a Set of 128 User-Defined Variation Selectors - Everson and West

Recommendation:

This is an FYI to the UTC.

Comments:

The group received a document L2/24-199 in support of the L2/24-148 Proposal to Encode a Set of 128 User-Defined Variation Selector.

The author has been sent the comments given by the group on the original proposal (which was discussed at UTC #180), given in our previous report (section 33 of L2/24-166).

7.4 Preliminary presentation of constellation symbols #502

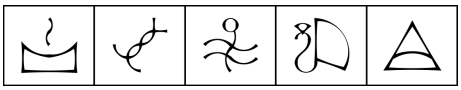
Documents:

L2/24-235: Preliminary presentation of constellation symbols — Miller

Recommendation:

This is an FYI to the UTC.

Comments:
This document details symbols designed to represent non-Zodiac constellations according to the Bayer designation system, where the symbols are used to represent the constellation names.



The document does not contain any textual attestation, but provides a preliminary overview of the symbols as they currently exist. The author seeks feedback from users.

7.5 Kuji symbol used in Shugendō #518

Documents:

L2/24-216: Proposal for Kuji symbol (dōman) used in Shugendō — Kojitani

Recommendation:

We recommend the UTC take no action.

Comments:
This proposes the encoding of a talismanic "Kuji" symbol.

We reviewed this proposal and could not find examples of this symbol as plain text. We expect in running CJK text that inline elements will conform to the size of the surrounding characters. This is not the case in any of the textual examples in this document: the symbol seems to be used more as an image than as a plain text symbol.

We would like to highlight that varieties of images may have conventional meanings. They may be symbols or signifiers, but not all symbols or icons or graphic images are appropriate for encoding as characters.

This document has been shared with the Japanese national body, which expressed a neutral stance with regard to encoding it.

7.6 Tifinagh UTN #524

Documents:

UTN #59: Representing Tifinagh In Unicode

Recommendation:

This is an FYI to the UTC that Lorna Evans has published UTN #59.

Comments:
The UTN gives guidance on the encoding of modern orthographies using the Tifinagh script. It also gives guidance on font development for the different modern orthographies and languages. The UTN can be revised based on additional feedback received.

8. In Process

Documents:

L2/23-222: Proposal to Encode the Pabuchi Script in Unicode — Mandal
L2/24-233: Unicode request for additional Baroque ornament — Bala and Miller
L2/24-241: Mwangwego Unicode Proposal — Yousuf and Yacob
L2/24-242: Preliminary proposal to encode Wagindara letters for the Mongolian script — Yehenara et al.
L2/24-247: Submission Dossier for the Libyc Script to Unicode — SHNA
L2/24-248: Proposal for encoding the Masaba script in the UCS — Yousuf

Appendix

List of documents covered by this proposal:

UTN #59: Representing Tifinagh In Unicode
L2/02-141: Uralic Phonetic Alphabet characters for the UCS
L2/23-222: Proposal to Encode the Pabuchi Script in Unicode — Mandal
L2/24-111: Annotation request for Vietnamese apex — Nguyen and Miller
L2/24-133: On the future of MANDAIC LETTER KAD — Yang
L2/24-134R: Proposal to Encode a Pridnestrovian Ruble Sign in the Unicode Standard — Adrianov
L2/24-151: Proposal for two geometric shapes for Japanese traditional calendars — Kojitani
L2/24-199: A Letter in Support of N5266 "Proposal to Encode a Set of 128 User-Defined Variation Selectors" — Yacob
L2/24-202: Phonetic characters: Greek and Latin? — Jacquerye
L2/24-203: On the Indic_Syllabic_Category of vowel carriers — Leroy
L2/24-205: Replacement of Adlam Reference Font in Codesheet to Updated Design — Patel et al.
L2/24-210: Archaic cuneiform numerals — Leroy et al.
L2/24-213: Unicode request for additional tremoli — Bala and Miller
L2/24-214: Unicode request for triple and quadruple flat — Bala and Miller
L2/24-215: Proposal to include transitional Cyrillic characters invented by I.H. Rădulescu in his proposal of the 19th Century Romanian Transitional Script — Frincu et al.
L2/24-216: Proposal for Kuji symbol (dōman) used in Shugendō — Kojitani
L2/24-218: Annotations for the alchemical block — Miller
L2/24-219: Unicode request for subscript w y z and ɣ — Miller
L2/24-231: Unicode request for modifier small capital P — Miller and Jacquerye
L2/24-232: Unicode request for compound tone diacritics III — Miller
L2/24-233: Unicode request for additional Baroque ornament — Bala and Miller
L2/24-234: Unicode request for barred letters — Miller et al.
L2/24-235: Preliminary presentation of constellation symbols — Miller
L2/24-236: Proposal to encode two Tangut ideographs (WG2 N5286) — Chan et al.
L2/24-237: Capital r with long leg — Jacquerye
L2/24-238: Additional Variation Selectors for Rotations of Ancient Egyptian Hieroglyphic Texts Daniel — Werning et al.
L2/24-240: Top Right Spacing Anusvara in Bengali/Assamese — Kučera and Li
L2/24-241: Mwangwego Unicode Proposal — Yousuf and Yacob
L2/24-242: Preliminary proposal to encode Wagindara letters for the Mongolian script — Yehenara et al.
L2/24-243: Changing Latin script r glyphs and adding their capital characters — Jacquerye
L2/24-244: Proposal to encode 11 cossic characters — Mayer et al.
L2/24-245: Proposal to Encode Vexillology Symbols in Unicode — Pandey
L2/24-246: Proposal for the encoding of « KORE SEBELI » — Bangoura et al.
L2/24-247: Submission Dossier for the Libyc Script to Unicode — SHNA
L2/24-248: Proposal for encoding the Masaba script in the UCS — Yousuf

List of feedback covered by this proposal:

ID20240701114531: Comments on Public Review Issues (July 2, 2024 - Oct 16, 2024)
ID20240715142900: Comments on Public Review Issues (July 2, 2024 - Oct 16, 2024)
ID20240719094815: Comments on Public Review Issues (July 2, 2024 - Oct 16, 2024)
ID20240809154445: Comments on Public Review Issues (July 2, 2024 - Oct 16, 2024)
ID20240809155424: Comments on Public Review Issues (July 2, 2024 - Oct 16, 2024)
ID20240814061638: Comments on Public Review Issues (July 2, 2024 - Oct 16, 2024)