

TO: UTC L2/14 - 170
FROM: Deborah Anderson, Ken Whistler, Rick McGowan, Roozbeh Pournader, and Laurentiu Iancu
SUBJECT: Recommendations to UTC #140 August 2014 on Script Proposals
DATE: 28 July 2014

The recommendations below are based on documents available to the members of this group at the time they met, and do not include documents submitted later to the document registry.

I. New Script and Character Proposals

SOUTH AND CENTRAL ASIA

Indic

Tamil

1. Documents:

[L2/14-160](#) Reply to [L2/14-048](#) on Tamil fractions – Shriramana Sharma

[L2/14-048](#) “Comments on the Proposals to Encode Tamil Symbols and Fractions” – ICTA Sri Lanka

Discussion: We reviewed [L2/14-160](#) (by Shriramana Sharma), which was a response to [L2/14-048](#) “Comments on the Proposals to Encode Tamil Symbols and Fractions” by ICTA Sri Lanka. The document by Sri Lanka advocated handling the Tamil fractions in the fonts, using FRACTION SLASH. We agree with Sharma’s analysis (on page 1) concerning the use of FRACTION SLASH, i.e., the Tamil fractions are not derived from its components, and hence should not be handled in fonts simply as the characters for the numerator and denominator separated by FRACTION SLASH (U+2044).

Recommendations: We recommend the UTC support the repertoire in PDAM2, which is currently under ballot. The UTC may, upon review, decide to make ballot comments on the Tamil fractions. (Note: A meeting of a committee in Tamil Nadu was scheduled 25 July to discuss Tamil names.)

Grantha

2. [L2/14-020](#) Plain-text ligating virama representation for Grantha script – Naga Ganesan

[L2/14-097](#) ZWJ Joiner for Chillu Consonants of Grantha Script – Naga Ganesan

[L2/14-110](#) Comments on L2/14-097 re using ZWJ for Grantha "chillus" - Shriramana Sharma

[L2/14-162](#) Control Characters (Joiners ZWNJ and ZWJ) in the Grantha Visible Virama and Chillu Consonants – Naga Ganesan

[L2/14-164](#) Chillu examples – Naga Ganesan

Discussion: The script group has already made recommendations on [L2/14-097](#) (see pages 1-2 of the script recommendations from May 2014, [L2/14-129](#)). Document [L2/14-020](#) has also been mentioned by this group in the context of discussion on the Grantha virama model (see page 2 of the January 2014 script recommendations, [L2/14-053](#)). We note that additional documents on the topic of viramas and chillus have been added recently ([L2/14-110](#), [L2/14-162](#) and [L2/14-164](#)).

Note: At meeting #138 from February 2014, an Action Item was created for Deborah Anderson and the Editorial Committee to incorporate information from L2/14-002, which finalized the virama model for Grantha, into Unicode 7.0 core spec text.

Recommendations: We recommend the UTC review these documents.

Kannada

3. [L2/14-153](#) Proposal to encode Kannada Sign Spacing Candrabindu – Vinodh Rajan

Discussion: We reviewed this document and find the character KANNADA SIGN SPACING CANDRABINDU to be well-documented and the proposal sound.

While the General Category property appears to be acceptable (gc=Lo), the UTC should consider the possibility of gc=Mc. (Compare the General Category property for other spacing candrabindus: U+0C01 TELUGU SIGN CANDRABINDU gc=Mc vs. U+A8F2 DEVANAGARI SIGN SPACING CANDRABINDU gc=Lo).

Recommendations: We recommend the UTC review the proposal and, after discussion, approve U+0C80 KANNADA SIGN SPACING CANDRABINDU, after making a decision on its General Category property.

Saurashtra

4. [L2/14-163](#) Proposal to encode Saurashtra Sign Candrabindu – Vinodh Rajan

Discussion: We reviewed this proposal for a combining candrabindu. The default glyph has the combining candrabindu on the right, but there was a question as to why the last example, which dated to 1876, has the glyph directly above the base character? (Note: The proposal mentions the glyph being “positioned slightly to the left”; this should be corrected to “positioned slightly to the *right*”.)

Recommendations: We recommend the UTC approve U+A8C5 SAURASHTRA SIGN CANDRABINDU, after first reviewing the proposal and discussing it.

MIDDLE EAST

Arabic

5. [L2/14-147](#) Proposal to encode seventeen Arabic honorifics – Roozbeh Pournader

Discussion: We reviewed this proposal for 17 characters, which were based on publicly available fonts. The proposal appears to be a legitimate request, though two characters need print examples (both are feminine singular forms).

Recommendations: We recommend the UTC review the proposal and, after discussion, approve the characters.

6. [L2/14-152](#) Proposal to encode two Arabic honorifics – Lateef Sagar Shaikh

Discussion: We reviewed this proposal, which does not include examples of the proposed two characters as atomic characters—it only includes examples of the conventional, honorific phrases upon which the proposed atomic characters are based. It should also be noted that not every honorific phrase will be separately encoded.

Recommendations: We recommend the UTC not approve these characters, but respond to the author.

7. [L2/14-148](#) Proposal to encode Quranic mark Ar-Rbaa used in Quran published in Pakistan – Lateef Sagar Shaikh

Discussion: We reviewed this proposal for one character for the Arabic Extended-A block. The proposal provided evidence of its use. We suggest the code point be U+08D4 and the name be revised to ARABIC SMALL HIGH WORD AR-RUB. We also suggest the properties be the same as those given for the Pakistani-Koranic marks in [L2/14-105](#), hence (with the suggested code point and name):
08D4;ARABIC SMALL HIGH WORD AR-RUB;Mn;230;NSM;;;;;N;;;;;

Recommendations: We recommend the UTC accept this character, with the name, code point, and properties as given above.

EUROPE

Greek

8. [L2/14-156](#) Proposal to encode GREEK BYZANTINE INDICTION SIGN – Dumbarton Oaks (Joel Kalvesmaki)

Discussion: We reviewed this proposal for one character, which had clear evidence of its usage. We agree with the proposal author that Ancient Greek Numbers block would be an appropriate location. The properties match those for U+1018C GREEK SINUSOID SIGN, which looked correct. We recommend the name be GREEK INDICTION SIGN (with an annotation, if necessary), and its code point be U+1018D.


Recommendations: We recommend the UTC discuss this proposal, and approve the character U+1018D GREEK INDICTION SIGN.

9. [L2/14-157](#) Proposal to encode GREEK BYZANTINE DOUBLE SUSPENSION MARK – Dumbarton Oaks (Joel Kalvesmaki)

Discussion: We reviewed this proposal. The name DOUBLE SUSPENSION MARK and General Category classification “Po” seem appropriate. The recommended code point would be U+2E44, located in the Supplemental Punctuation block. A question was raised whether the suspension marks in the default glyph should be so vertical.

Recommendations: We recommend the UTC discuss this proposal, and approve the character U+2E44 DOUBLE SUSPENSION MARK.

10. [L2/14-158](#) Proposal to encode GREEK BYZANTINE NOMISMA SIGN – Dumbarton Oaks (Joel Kalvesmaki)

Discussion: We reviewed this proposal for a single character, the *nomisma*, the standard gold coin used in the late Roman and Byzantine empire’s currency system. The character resembles Greek acrophonic characters, already encoded in the Ancient Greek Numbers block, and the *ounkia*, which is at U+10184 .

We recommend the NOMISMA SIGN be located in the Ancient Greek Numbers block at U+1018E, with the General Category So and probably ON (Other Neutral) rather than L for the Bidi Class. As with other,

similar characters, no decomposition will be given. (Note: It might be helpful to include a section in the Currency Symbols block into mentioning that currency characters are also contained in other blocks, such as Ancient Greek Numbers and Ancient Symbols.)

Recommendations: We recommend the UTC discuss this proposal, and approve the character U+1018E NOMISMA SIGN, with the property changes as noted above.

SYMBOLS

Emoji

11. [L2/14-144](#) Afrocentric Emoji – Nzewi Uchenna

Discussion: We reviewed this document, but did not find it actionable.

Recommendations: We recommend that the UTC discuss this document with other emoji issues.

12. [L2/14-145](#) African queen – Nzewi Uchenna

Discussion: We reviewed this document, but did not find it actionable.

Recommendations: We recommend that the UTC discuss this document with other emoji issues.

13. [L2/14-154](#) Report on Diversity Emoji Use in iDiversicons and Proposal to Add New Emoji from iDiversicons Collection to Unicode – Katrina Parrott, Shervin Afshar

Discussion: We reviewed this proposal.

Recommendations: We recommend this document be reviewed and discussed within the UTC.

Currency

14. [L2/14-161](#) Adding Georgian Lari currency sign – Giorgi Shermazanashvili

Discussion: We reviewed this proposal for the new Georgian currency sign.

Recommendations: We recommend the UTC approve the proposal, and discuss the name of the character (i.e., whether “Georgian” should be in the name, or in an annotation), and whether the symbol typically comes before or after a number. (The examples all show post-fix position.)

II. Character and Script Documents Carried Over from Prior Meetings

Latin

15. [L2/14-070](#) Revised proposal to encode Unifon characters – SEI, Everson

Discussion: We have discussed this proposal in its earlier versions.

Recommendations: We recommend the UTC review and prepare a position in advance of the WG2 meeting.

Khamti

16. [L2/14-108R](#) Proposal to Disunify Khamti Style Letters from Myanmar – Hosken, Morey

Discussion: We discussed this document and remain unconvinced.

Recommendations: We recommend the UTC review and discuss this proposal.

Nushu

17. Documents:

[L2/14-075](#) Nūshu ad hoc report (WG2 N4561) – Aalto, et al.

[L2/14-012](#) Comments on Nushu in WG2 N4484, /IEC 10646:2014/PDAM1 (WG2 N4513) – Suzuki Toshiya

Discussion: Nūshu is currently on the PDAM ballot, but members of this group did not have time to review all the documents.

Recommendations: We recommend UTC members review the relevant documents and any member who has time should prepare technical comments before the ballot closes (22 August 2014 is the INCITS deadline, the SC2 deadline is 5 September 2014).

Arabic

18. [L2/14-104](#) Supporting the Warsh orthography for Arabic script – Evans

Discussion: The script group had already considered this document, and our recommendations are contained in [L2/14-129](#). We understand Roozbeh Pournader is submitting a new document on this topic.

Recommendations: We recommend the UTC discuss this document and make a decision.

New Tai Lue

19. [L2/14-090](#) Proposal to deprecate and add 4 characters to the New Tai Lue block - Hosken

Discussion: The script group has already reviewed this document and has made recommendations in [L2/14-129](#)

Recommendations: We recommend the UTC discuss this document and make a decision.