TO: UTC
FROM: Deborah Anderson, IR
DATE: 3 July 2019
SUBJECT: Brief IR Report from WG2 Meeting #68 (Redmond, WA, June 2019)

WG2 #68 and SC2 #24 were held at Microsoft in Redmond, Washington, from June 17-21, 2019. In attendance were 9 national bodies and 2 external liaisons (TCA and the Unicode Consortium).

WG2
Ballot comments for the second Committee Draft (CD.2) of the sixth edition of 10646 were discussed and another ballot (CD 3) will be issued, with the tentative starting date of August 2019. The DIS ballot, which will include non-controversial content, is slated to begin November 2019, and the FDIS in July 2020. The draft additional repertoire for CD.3 is captured in L2/19-227 (=N 5100). The repertoire of Unicode 13.0 will be synchronized with the contents of the sixth edition.

The US did not change its vote to "yes" on CD.2, since two technical comments were not accommodated. As of this writing, TROLL has been reviewed by the Emoji Subcommittee, but has not yet been approved by the UTC. Although there was discussion about the proposed OVERCURL diacritic, no resolution was reached, and it remains in the ballot for CD 3.

The following highlights are of note (see WG2 Recommendations N5054):

- IRG
  - The IRG changed its name to Ideographic *Research* Group (from Ideographic *Rapporteur* Group) and will be an ad hoc under WG2, with Dr. LU as Convenor.
  - IRG process issues were raised by Japan (N 5097), with concerns about discussion at IRG on characters that are still under ballot. After the October 2019 IRG meeting, Michel will create a "working draft" of the repertoire, instead of a ballot, and seek expert feedback. Japan was encouraged to participate in IRG meetings in order for their comments to be heard.

- The new font for the CJK Radicals Supplement and Kangxi Radicals blocks, which was proposed by Ken Lunde in L2/19-212 (=N 5069), was accepted by WG2 participants. Use of a new font to replace the older Adlam font was also accepted.

- Extension G, with a total of 4939 characters, was finally approved.

- For Tangut, Dr. Sun reported there are many glyph errors in the current code chart. Hundreds of glyph corrections need to be made based on the new understanding of stroke counts for some components (which are explicitly mentioned in N 5031 and N 5064). Attendees requested documentation, including a datafile and list of the characters that need to be modified.

- Representatives from China (including Inner Mongolia) and Mongolia attended the WG2 meeting and actively participated in a Mongolian Ad Hoc. The outcome of the meeting is recorded in the meeting report L2/19-229 (=N5103). Key results include an agreement to remove the variant information from the names list in Unicode 13.0, posting of a snapshot of the 12.1 charts in UTR #54, and the creation of a UTN on the phonetic encoding model. The

Mongolian Ad Hoc became an official WG2 Ad Hoc, which will make it easier for China to participate. The next meeting is scheduled for April 1-3, 2020, tentatively located at Adobe in San Jose, CA.

- A proposal for the Seal script was submitted during the meeting (L2/19-228=N5105, with very large appended zip file of charts), and feedback was provided to the authors. See the report on the discussion: L2/19-245. A follow-up ad hoc meeting is planned for September 30-October 1, 2019, at Tatung University in Taipei, Taiwan, with logistics provided in L2/19-246 (=N5109). There was also a request for the Unicode Consortium to host a topical document list on Seal.

- An informal meeting on Shuishu was held (see N 5110 for a report) and Lisu Monosyllabic was also discussed.

SC2

The SC2 Secretariat announced that Amendment 2 (formally, ISO/IEC 10646:2017/AMD 2: 2019) was recently published. The Secretariat also noted that the ballot stage formerly referred to as "PDAM" is now called "Committee Draft Amendment" (CDAM).

The SC2 Chair will continue to communicate with ITTF on a dual copyright notice on the code charts.

The issue of electronic attachments was also discussed, with the outcome that the Editor will create two separate clauses in the text for the CD 3 ballot: one listing data files that would have been attached to the standard, and the other listing normative and informative references to items in common with the Unicode Standard. It was noted that prior to the meeting SC2 posted a document (SC2 N4667) from the ISO Central Secretariat entitled, "Guidance on electronic attachments for ISO/IEC publications." The document states that Project Editors need to provide information "so the TPM can verify the use of electronic inserts is the most appropriate solution (other options include registration authorities and maintenance agencies)." Such information can include "whether there is a specific technical reason that the electronic resource cannot be made available by hyperlink to ISO's URN." The Chair of SC2 noted in SC2 N4674 that this requirement has not yet been published, but is expected to appear in the new version of the ISO Directives. The wording suggests there may be a way to use links outside of ISO's jurisdiction.

SORT AD HOC

A new edition of ISO 14651 to include all the characters in Unicode 13 is planned, with target dates for the CD ballot to be October 31, 2019, DIS ballot February 1, 2020, and FDIS ballot July 15, 2020.

Future Meetings

The next meeting of WG2 and SC2 will be in Japan from June 15-19, 2020, with location to be announced. The 2021 meeting will be held in Dundee, Scotland, in June 2021, with Waterloo, Canada, as back-up. Future IRG meetings will be held in Shenzhen, China from October 21-25, 2019, in Los Gatos, CA from May 18-22, 2020, and New Haven, CT, from October 19-23, 2020.

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