

# Universal Coded Character Set

## UCS

ISO/IEC JTC1/SC2/WG2/IRGN2704

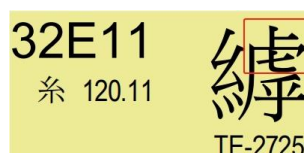
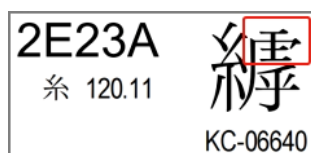
Date: 2024-10-24

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Meeting:	IRG#63, hybrid
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Editors from China, HKSAR, Macao SAR, ROK, SAT, TCA, UK, Unicode Consortium, USA, Vietnam, and individual experts attended the following discussions and made decisions during the IRG Meeting #63 .

## 1. Disunifications and unifications

- **Unification issue in CJK Ext.J draft (IRG N2723)**



The meeting agreed that the K-source glyph of U+2E23A (KC-06640) should change its up-right part to 疋, and the T-source glyph of U+32E11 (TE-2725) in CJK Ext.J (draft) should be unified to U+2E23A.

The meeting asked ROK to provide revised K-source glyph image (IRGN2745) for the IRG to review, and then submit updated font to WG2 before 2024-11-01.

The meeting asked China (representing TCA) to submit ballot comment about the request of removing the T-source glyph of U+32E11 (TE-2725) from CJK Ext.J, and then a horizontal extension of U+2E23A need to be made to include the T-source glyph (TE-2725).

- **Disunification of two Kangxi Characters (Redux) (IRG N2730)**

The meeting agreed to disunify U+2335F (冃), keeping glyphs with radical 月 and giving glyphs with radical 肉 a new codepoint U+2B73E. Therefore, the glyph of T6-287B (radical 肉) at U+2F980 would be given that new codepoint.

The meeting agreed to postpone the disunification of U+6B25 (𠂔) for further investigation. China will modify the G-source glyph of U+6B25, changing its left part to 冂 to match the semantics. The revised glyph and font will be submitted in IRG N2747, along with other G-source glyph changes.

China and TCA were requested to submit updated fonts by 2024-11-01.

## 2. Horizontal extension

- **K-source horizontal extension for 306 characters (IRG N2643R2)**

The meeting approved ROK's revised horizontal extension request for 306 characters.

- **Issues about JMJ Horizontal Extension (IRG N2722)**

The meeting reviewed the proposal, and asked the IRG Convenor to circulate the document to Japan for further feedback.

- **G-Source horizontal extension for 2,145 characters (IRG N2729R)**

The meeting reviewed China's request for horizontal extension for 2,145 characters. There are also 2 characters mentioned in IRG N2736, which require further investigation. The revised version is planned to be confirmed in IRG Meeting #64. One new IRG source (GWY) should be added to UCS correspondingly.

## 3. Glyph change

- **Normalization of some G- & V-source Characters (IRG N2727R)**

China has agreed to modify four G-source glyphs in the CJK Ext.J block (draft): specifically, GKJ-00571 (tentatively assigned U+32BA5), GKJ-00590 (tentatively assigned U+32BA6), GKJ-00589 (tentatively assigned U+32BD4), and GKJ-00736 (tentatively assigned U+33415). Additionally, seven G-source glyphs in other blocks will be changed: U+9FF9, U+3223B, U+2CE88, U+2CE8B, U+2CE8F, U+2CD98, U+6B25. The updated images of these G-source glyphs have been presented in IRG N2747.

Vietnam has agreed to modify three V-source glyphs in the CJK Ext.J block (draft): specifically, VN-F1B3E (tentatively assigned U+32FDC), VN-F0547 (tentatively assigned U+33065), VN-F1BB4 (tentatively assigned U+33142). The updated images of these V-source glyphs will be presented in IRG N2748.

The fonts of revised glyphs should be submitted to WG2 by 2024-11-01.

## 4. UCV updates

- **Confirmation of UCV/NUCV lists (IRGN2680)**

The meeting confirmed the updated UCV/NUCV lists, which merged new and revised UCV/NUCV examples produced in IRG Meeting #62.

- **New UCV/NUCV examples (IRGN2703 Appendix B)**

The meeting accepted new UCV/NUCV examples concluded in IRG Meeting #63. The IWDS Editor will merge them into the next version of UCV/NUCV lists (IRG N2746, also can be found at <https://hc.jsecs.org/irg/iwds/ucv.php>) .

## 5. PnP updates

- **Proposal to allow only one kTotalStrokes property value (IRG N2711)**
- **Proposal to remove FS (first residual stroke) value from submissions (IRG N2713)**
- **Proposal to remove IRG source prefixes from Annex D of IRG P&P (IRG N2714)**
- **Proposal to update Annex K of IRG P&P (IRG N2715)**
- **Proposal on Revising PnP to Enhance the Work Efficiency of IRG (IRG N2734)**

Due to time limitations, all proposals concerning the IRG PnP revision were not covered in IRG Meeting #63 and planned to be discussed in Meeting #64.

## 6. Normalization rules

- **ROK Normalization Rules V1.6 (IRGN2573)**
- **Vietnamese Han-Nom Normalization Guidelines V2 (IRGN2673R)**

These two normalization rules were approved by the meeting, and have been added to the IWDS.

## 7. Urgently needed character (UNC) proposals

- **One UNC proposed by China (IRG N2691)**

The meeting reviewed the document and accepted  $\frac{王王}{丁}$  as an UNC based on the variety of pieces of evidence and explanation. The recommended code point is U+2B73B. One new IRG source (GCA) should be added to UCS correspondingly.

- **Two UNCs proposed by TCA (IRG N2709)**

The meeting accepted  $\frac{出双}{出双}$  and  $\frac{耳休}{耳休}$  as UNCs based on the variety of pieces of

evidence and explanation. The recommended code point for 𠄎 is U+2B73C and for 𠄏 is U+2B73D.

## 8. Other Issues

- **Recommendation to solicit review of IRG working set submissions prior to submission (IRG N2712)**

The IRG member bodies should consider this recommendation for the next IRG working set.

- **Recommendation on flagging optional evidence images in ORT meeting mode (IRG N2720)**

Instead of adding a new comment type to the ORT, experts who wish to post additional evidence images on the ORT for characters that already have sufficient evidence and do not want these images to be displayed in the meeting mode are encouraged to use the ‘resolved’ button.

- **Request for Japan to return as an active member body of the IRG (IRG N2721)**

The IRG agreed with the proposal and welcome Japan to return as an active member body of the IRG.

- **Supplementary information on encoding Jianzi Musical Notation and format controls (IRG N2645, IRG N2728)**

The meeting reviewed IRG N2728, and confirmed the tables and evidence.

The meeting agreed to encode 9 characters mentioned in App. D as UNCs, and China needs to withdraw one duplicated character in WS2024. China will submit the UNC proposal for these 9 characters (IRG N2753) after IRG Meeting #63.

Besides, the meeting suggested that 6 CJK components mentioned in App. E and 119 Jianzi fingering letters mentioned in App. F should be merged to the new CJK components proposal (updated version of IRG N2733R).

- **Discussion on Daoist Character Encoding (IRG N2666, N2716R, N2718, N2719R, N2725, N2732)**

The meeting reviewed all proposals related to Daoist character encoding that were submitted after IRG Meeting #62. Due to a lack of time for discussion, no concrete decision was made during IRG Meeting #63.

Appendix 1 of IRG N2719R lists seventeen unusual Daoist characters in CJK Ext.J (draft). The IRG experts are invited to review the list and provide their opinions by 2024-12-31.

- **Proposal to accept script-hybrid Han ideographs in IRG working set submissions (IRG N2717)**

The meeting decided to continue the discussion on this specific issue at IRG Meeting #64. The IRG experts are invited to give their opinion before the next meeting.

- **Preliminary proposal to encode 131 CJK components for GF 3001-1997 and GF 0014-2009 (IRG N2733R)**

The meeting reviewed the proposal and appreciated its significant value for optimizing IDSeS. The IRG Convenor will take the preliminary proposal to the UTC meeting to get feedback. The meeting suggested that these proposed components may be encoded as CJK Unified Ideographs and encouraged HKSAR, TCA and China to work together on an updated proposal, which is planned to be discussed at IRG Meeting #64. The meeting also encouraged the merging of the Jianzi fingering letters into the updated proposal. IRG experts are invited to provide feedback to China.