Universal Coded Character Set
UCS

ISO/IEC JTC1/SC2/WG2/IRGN2767

Date: 2025-03-21

Source:	CJK editorial group
Title:	Editorial Report on Miscellaneous Issues
Meeting:	IRG#64, online
Status :	To be Approved by IRG plenary
Actions required	To be followed by IRG members
Distribution:	IRG
Medium :	Electronic
Page:	7
Appendix:	0

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 IRG Meeting #64.

1. Disunifications and unifications

● **Request to move the T source references of 16 characters (IRG N2778)**

This document requests moving the T source references of 16 characters encoded in the 2F compatibility zone. The meeting accepted the requests as below:

To move the following T-Source glyphs for horizontal extensions:
T6-5157 from U+2F85B to U+21533
T6-2267 from U+2F860 to U+216A7
T3-3565 from U+2F89C to U+22505
T6-3921 from U+2F905 to U+23D40
T6-4B42 from U+2F927 to U+2AEC5
T6-3279 from U+2F935 to U+24C36
T6-3331 from U+2F943 to U+2511A
T7-266A from U+2F96E to U+31E7C
T5-2129 from U+2F81D to U+20674
T6-2F38 from U+2F82D to U+2D161
T6-243B from U+2F85D to U+21587
T6-2D24 from U+2F92B to U+248FD
T5-4874 from U+2F97E to U+2659D
T6-4E3B from U+2F9A4 to U+26D06
T5-7A38 from U+2F9CB to U+4695

T3-607C from U+2F9D6 to U+25AD4
To update T-Source references correspondingly:
U+2F85B to TU-2F85B
U+2F860 to TU-2F860
U+2F89C to TU-2F89C
U+2F905 to TU-2F905
U+2F927 to TU-2F927
U+2F935 to TU-2F935
U+2F943 to TU-2F943
U+2F96E to TU-2F96E
U+2F81D to TU-2F81D
U+2F82D to TU-2F82D
U+2F85D to TU-2F85D
U+2F92B to TU-2F92B
U+2F97E to TU-2F97E
U+2F9A4 to TU-2F9A4
U+2F9CB to TU-2F9CB
U+2F9D6 to TU-2F9D6

- **Proposal to Disunify U+2A50D (IRG N2780, IRG N2804)**

Awaiting feedback from Japan. Take no action at this meeting.

- **Proposal to Disunify U+6138 (IRG N2782)**

IRG accepted to disunify 憸 (KP1-439A) from U+6138 to the new code point as

U+2B81E with KP-Source reference. China may do a horizontal extension to
U+2B81E in future.

- **Proposal to Disunify U+FACB and U+2F9FF (IRG N2786, IRG N2779R2, IRGN2782, IRGN2783)**

IRG accepted to disunify 顧 (KP1-869A for U+FACB and T6-6430 for U+2F9FF) to the new code point as U+2B81F. Note: T6-6430 glyph was also be requested to update in IRG N2779R2.

2. Horizontal extension

- **Issues about JMJ Horizontal Extension (IRG N2722 & IRG N2040)**

Awaiting feedback from Japan. Take no action at this meeting.

- **G-Source horizontal extensions for 2,145 characters (IRG N2729R3)**

IRG accepted China's horizontal extensions request for 2,145 characters.

- **T-Source Glyph Modification and Horizontal Extension (IRG N2779R2, IRGN2832, IRGN2833)**

This document proposes to fine-tune 222 glyphs and modify 141 glyphs in T3- through T7-Sources range, and addresses T-Source issues, including horizontal extensions for 12 glyphs in Sections 3.A (3 glyphs) and 3.C (9 glyphs), as well as T-Source revisions

for 6 glyphs in Sections 3.A (3 glyphs) and 3.B (3 glyphs). The IRG accepted the document.

3. Glyph change

- **Update of V-Source Representative Glyph in Extension J (IRG N2775)**

This V-source representative glyph change is reflected in the Unicode Version 17.0 Alpha review. See U+33368 in the CJK Unified Ideographs Extension J code chart.

- **Update of V-Source Representative Glyphs (IRG N2776)**

These eight V-Source representative glyph changes, along with three kRSUnicode and three kTotalStrokes property value changes, are reflected in the Unicode Version 17.0 Alpha review. See the CJK Unified Ideographs Extension B and CJK Unified Ideographs Extension C code charts.

- **Clarification Regarding the T-Glyph Issue of U+2B7C2 (IRG N2777)**

IRG accepted TCA's proposal of changing the T-glyph of U+2B7C2 (纏) to (⿰糹寒)，and updating the T-source to TB-7C6B.

- **Proposal to Normalize Radical #194 (IRG N2797R)**

This document proposes to normalize the component of "⿱田儿" as the common form of 鬼 for all encoded characters and for characters in WS2024. This meeting did not accept this proposal on glyph changes. China will submit a horizontal extension proposal on U+2D84F using ⿰扌鬼.

- **Update of Vietnamese Glyphs with U+620E (nhung) (IRG N2798)**

IRG accepted Vietnam's proposal of changing eight V-Source glyphs regarding the phonetic component 戎 (the previous form as 戍) and their related Unihan property data.

- **Request for consideration to normalize 4 V-source characters (IRG N2801, IRG N2795)**

This document proposes to update the V-source representative glyphs for U+2A7E6 (雎), U+2AC61 (腧), and WS2021-03268 (Extension J U+32EBE/VN-F1953). With response from Vietnam, the meeting accepted the document to update the representative glyphs of U+2A7E6 (雎), U+2AC61 (腧), and WS2021-03268 (Extension J U+32EBE/VN-F1953), and to update the RS/TS data for WS2021-03268 (Extension J U+32EBE/VN-F1953).

- **Revise 33 glyphs of G-source characters (IRG N2788/IRG N2800/IRGN2803R2/IRG N2805R2/IRG N2806/IRG N2807)**

The meeting approved China's glyph revision of 33 characters (please see page 4-5 of IRG N2803R2, page 3-4 of IRG N2805R2, and page 1 of IRG N2807). The suggestion to change the glyphs of the characters 鸥 U+9D56, 鸱 U+3125D, 濲 U+6FF2 and

the ones with components 􀀀卓􀀀亻/􀀀卓􀀀 needs further investigation and will be discussed in IRG#65.

The meeting also accepted 26 G-Source glyph updates proposed in IRGN2805R2 and 2 G-Source glyphs (U+3ADA 㫚, U+66F6 曶) in IRGN2807 (Feedback on IRG N2788/N2806).

4. UCV updates

● **Confirmation of UCV/NUCV lists (IRGN2746)**

IRG confirmed the updated UCV/NUCV lists, which merged new and revised UCV/NUCV examples produced in IRG Meeting #63.

● **New UCV/NUCV examples (IRGN2766 Appendix B)**

IRG accepted new UCV/NUCV examples concluded in IRG Meeting #64. The IWDS Editor will merge them into the next version of UCV/NUCV lists (IRG N2813).

5. PnP updates

● **Proposal to allow only one kTotalStrokes property value (IRG N2711)**

IRG agreed that the informative kTotalStrokes Unihan database property be changed to allow only a single property value, specifically the value that adheres to IRG's method of counting strokes. All other total stroke counts should be reflected in the provisional kAlternateTotalStrokes property.

● **Proposal to remove FS (first residual stroke) value from submissions (IRG N2713)**

IRG agreed that the inclusion of first residual stroke (aka FS) values be removed from the submission requirements for new CJK Unified Ideographs as stated in IRG PnP. Instead, the FS values will be automatically calculated by ORT, while IRG Chief Editor is responsible for fixing any incorrect values.

● **Proposal to remove IRG source prefixes from Annex D of IRG P&P (IRG N2714R)**

IRG agreed to modify Annex D of IRG PnP, removing the IRG source prefixes, and instead reference the "Current & Future IRG Source Prefixes" section of the IRG home page, the first table of which is synchronized with UAX #38 (Unicode Han Database [Unihan]). IRG will remain responsible for determining whether new prefixes are accepted.

● **Proposal to update Annex K of IRG P&P (IRG N2715R)**

IRG agreed to assign the value 6 to those whose residual stroke value is unclear. The modification will reflect in Annex K of IRG PnP.

- **Proposal on Revising PnP to Enhance the Work Efficiency of IRG (IRG N2734) & Feedback (IRG N2791)**

  1. Submission Quota for Characters

  The meeting discussed proposals to increase the submission quota for each working set, including two options:

  ➢ Allowing submission of a small number of high-quality characters per submission period, with approval completed within one year;

  ➢ Increasing the total submission quota for the next WS to 10,000 characters, allowing submitters to allocate their share based on actual needs.

  China will prepare a new document for further deliberations at the coming WG2 meeting 72.

  2. Review Speed for Working Sets

  Proposing experts noted the current slow review process and suggested reforms to expedite approvals for IRG Working Sets. These include reducing research-oriented feedback, prioritizing the integrity of necessary character attributes, removing some UCV rules, and establishing streamlined criteria for provisional status determinations. These measures aim to improve efficiency and increase the number of approved characters per unit time. IRG experts are invited to give feedback before IRG Meeting #65.

  3. Other Matters

  IRG agreed with the proposal that for contemporary characters in active use, both local readings and standardized official language readings should ideally be provided at submission. There was unanimous agreement on the need to address governmental requirements for personal and place name characters.

6. Urgently needed character (UNC) proposals

- **China — nine ideographs (IRG N2753) & three ideographs (IRG N2802R2)**

IRG accepted in total 12 ideographs proposed by China as UNCs. The recommended code points for these UNCs are shown below.

No.	UNC proposed in IRG N2753	Recommended code point	No.	UNC proposed in IRG N2802R2	Recommended code point

1	六	U+2CEA2	1	護	U+2CEAB
2	口	U+2CEA3	2	瓤	U+2CEAC
3	公	U+2CEA4	3	衙	U+2CEAD
4	章	U+2CEA5			
5	高	U+2CEA6			
6	光	U+2CEA7			
7	伍	U+2CEA8			
8	占	U+2CEA9			
9	玃	U+2CEAA			

- **US/Unicode — two ideographs (IRG N2789)**

Since IRG has not reached a consensus on how to handle "script-hybrid characters", the UNC proposal for 庆 and 庁 was not accepted in the meeting. The suggestions on stroke counts for Latin letters will be a good consideration for future encoding works.

7. Other Issues

- **Script-hybrid Han ideographs (IRG N2792, IRG N2793R, IRG N2789)**

These documents discuss whether script-hybrid Han ideographs should be encoded as CJK Unified Ideographs (CJKUI), and other related technical issues. Citing stability concerns of the ISO/IEC 10646 standard, IRG concluded that a premature decision should be avoided at this stage. Instead, further deliberations are required to define criteria for acceptable script-hybrid Han ideographs (e.g., timeframe of creation, presence of Han components) and to formalize a procedure for evaluating such characters.

- **Request for review and endorsement of a preliminary version of the CAAPH IVD collection (IRG N2796R2)**

The document requests a new IVD collection to ensure the accuracy of digital information for the publishing works of the Culture and Art Publishing House. The meeting reviewed this document and found no objection to creating the CAAPH IVD

collection. The IRG endorsed the request, and the IRG asked the author to submit the revised document to the UTC later, with some updated suggestions from IRG experts.

- **Updated proposal to encode CJKV components in UCS (IRG N2799)**

This document proposes to encode 468 CJKV components collected from China, HKSAR, and TCA's local specifications and other materials. The meeting reviewed the proposal, and asked authors to follow the future work plan listed in the document to prepare a revised version for further discussion at IRG Meeting #65.