

Ideographic Research Group

Title: IRG Meeting #64 Recommendations and Action Items

Source: Ken Lunde, IRG Convenor

Location: Virtual (Webex)

Date: 2025-03-21

Meeting Dates: 2025-03-17/21

IRG Meeting #64, which was attended by experts from China, Republic of Korea (ROK), Hong Kong SAR, Macao SAR, SAT Daizōkyō Text Database Committee, TCA, UK, US, UTC, and Vietnam, along with individual experts, has made the following recommendations and action items:

Recommendation IRG M64.01: Future Meeting Schedule

Unanimous

The following is the future IRG meeting schedule:

- IRG Meeting #65: Guangzhou, China (hybrid), 2025-10-13/17 — *approved by WG 2*
- IRG Meeting #66: Virtual (Webex), 2026-03-16/20 — *approved by WG 2*
- IRG Meeting #67: Japan (hybrid), Fall 2026 — *tentative hosting by SAT — to be approved by WG 2*
- IRG Meeting #68: Virtual (Webex), 2027-03-15/19 — *to be approved by WG 2*
- IRG Meeting #69: Fall 2027 — *seeking host*

As a reminder, the Spring meeting is virtual (Webex), and the Fall meeting is hybrid, which requires a host for in-person attendees. If there is no host, the meeting shall be virtual.

Recommendation IRG M64.02: Confirmation of UCV and NUCV Lists

Document References: [IRG N2746](#) & [IRG N2767](#)

Unanimous

The IRG confirmed the updated or revised UCV and NUCV examples in document IRG N2746 that was produced after IRG Meeting #63. The confirmed document was posted to the IWDS page by the IRG Convenor on 2025-03-17.

Recommendation IRG M64.03: Updated UCV and NUCV Lists

Document References: [IRG N2766](#) & [IRG N2767](#)

Unanimous

The IRG accepts the new and updated UCV and NUCV examples in Appendix B of document IRG N2766, with three cases requiring further discussion.

Action Items:

- 2025-04-25: The IWDS Editor prepares updated UCV and NUCV lists as document IRG N2813
- 2025-07-25: IRG experts review document IRG N2813 and submit feedback to the IRG Convenor and IWDS Editor
- 2025-08-29: The IWDS Editor submits document IRG N2813R, if necessary, based on feedback from IRG experts, for approval during IRG Meeting #65

- 2025-09-26: IRG experts provide to the IRG Convenor and IWDS Editor any remaining feedback on document IRG N2813 for confirmation during IRG Meeting #65.

Recommendation IRG M64.04: IRG Working Set 2024

Document References: [IRG N2750](#), [IRG N2751](#), [IRG N2766](#), [IRG N2770R](#) & [IRG N2785](#)

Unanimous

The IRG reviewed the feedback and responses in IRG Working Set 2024 Version 2.0, and agreed to produce IRG Working Set 2024 Version 3.0 based on conclusions that are recorded in document IRG N2766.

Action Items:

- 2025-05-02: The IRG Chief Editor and ORT Manager fix all data; submitters that need to update representative glyphs provide updated fonts to the IRG Chief Editor and ORT Manager — 6 weeks
- 2025-05-30: The ORT Manager releases IRG Working Set 2024 Version 3.0 online via the ORT and as document IRG N2809 with an attached attributes file in Excel format — 4 weeks
- 2025-07-18: ORT editors submit comments via the ORT — 7 weeks
- 2025-08-15: The ORT Manager releases Consolidated Comments via the ORT and as document IRG N2810 — 4 weeks
- 2025-09-26: Submitters provide responses to comments via the ORT—3 weeks before IRG Meeting #65

Recommendation IRG M64.05: 12 Urgently Needed Characters—China

Document References: [IRG N2753](#), [IRG N2767](#) & [IRG N2802R2](#)

Unanimous

The IRG recommends that the 12 urgently needed characters in documents IRG N2753 and IRG N2802R2 be accepted, with U+2CEA2 through U+2CEAD at the end of the Extension E block as the recommended code points.

Action Items:

- 2025-04-25: China submits documents IRG N2753 and IRG N2802R2 to WG 2, which include as a PDF attachment a TrueType font with the new G-source representative glyphs

Recommendation IRG M64.06: Disunification of 16 T-Source Ideographs

Document References: [IRG N2767](#) & [IRG N2778](#)

Unanimous

The IRG recommends that TCA’s proposal to disunify 16 T-source ideographs in the CJK Compatibility Ideographs Supplement block in document IRG N2778 be accepted, and that their disunified forms be horizontally extended to the proposed code points in the Extension A (one ideograph), Extension B (12 ideographs), Extension C (one ideograph), Extension F (one ideograph), and Extension H (one ideograph) blocks.

Action Items:

- 2025-04-25: TCA submits document IRG N2778 to WG 2, along with a TrueType font that includes the new T-source representative glyphs

Recommendation IRG M64.07: Disunification of U+6138

Document References: [IRG N2767](#) & [IRG N2782](#)

Unanimous

The IRG recommends that the proposal to disunify U+6138 in document IRG N2782 be accepted, and that its disunified form, KP-source ideograph KP1-439A, be encoded at code point U+2B81E at the end

of the Extension D block.

Action Items:

- 2025-04-25: CheonHyeong SIM submits document IRG N2782 to WG 2, along with a TrueType font that includes a KP-source representative glyph for U+2B81E

Recommendation IRG M64.08: Disunification of U+980B, U+FACB & U+2F9FF

Document References: [IRG N2767](#) & [IRG N2786](#)

Unanimous

The IRG recommends that the proposal to disunify U+980B, U+FACB, and U+2F9FF in document IRG N2786 be accepted, and that its disunified forms, KP-source ideograph KP1-869A and T-source ideograph T6-6430, be encoded at code point **U+2B81F** at the end of the Extension D block. The IRG further recommends that the Unihan database property data for U+980B, such as dictionary references and readings, be reviewed and adjusted accordingly.

Action Items:

- 2025-04-25: CheonHyeong SIM submits document IRG N2782 to WG 2, along with a TrueType font that includes a KP-source representative glyph for U+2B81F
- 2025-04-25: TCA submits to WG 2 a TrueType font that includes a T-source representative glyph for U+2B81F

Recommendation IRG M64.09: Disunification of U+2A50D

Document References: [IRG N2767](#), [IRG N2780](#) & [IRG N2804](#)

Unanimous

The IRG discussed the proposal to disunify U+2A50D in document IRG N2780, and China’s feedback in document IRG N2804 that supports the proposal. Feedback from Japan is required before the IRG can recommend this disunification proposal. The IRG Convenor forwarded the documents to Japan to solicit their feedback.

Recommendation IRG M64.10: China Horizontal Extensions

Document References: [IRG N2729R3](#), [IRG N2730](#), [IRG N2736](#), [IRG N2743](#), [IRG N2747](#), [IRG N2767](#), [IRG N2794](#) & [IRG N2805R2](#)

Unanimous

The IRG recommends that China’s two horizontal extensions—2,145 ideographs as proposed in document IRG N2729R3, and one ideograph as proposed in document IRG N2805R2—be accepted.

Action Items:

- 2025-04-25: China submits documents IRG N2729R3 and IRG N2805R2 to WG 2, which include as PDF attachments TrueType fonts with the new G-source representative glyphs

Recommendation IRG M64.11: Japan Horizontal Extension Issues

Document References: [IRG N2040](#), [IRG N2702](#), [IRG N2704](#), [IRG N2722](#) & [IRG N2767](#)

Unanimous

Per **Recommendation IRG M63.10** in document IRG N2702, the IRG Convenor forwarded documents IRG N2040 and IRG N2722 to Japan to solicit their feedback, but there has been no reply. The IRG Convenor followed up with Japan to once again solicit their feedback.

Recommendation IRG M64.12: TCA Horizontal Extension

Document References: [IRG N2767](#) & [IRG N2779R2](#)

Unanimous

The IRG recommends that TCA's 12-ideograph horizontal extension as proposed in Sections 3.A (three ideographs) and 3.C (nine ideographs) of document IRG N2779R2 be accepted.

Action Items:

- 2025-04-25: TCA submits document IRG N2779R2 to WG 2, along with a TrueType font that includes the new T-source representative glyphs

Recommendation IRG M64.13: Vietnam Horizontal Extension

Document References: [IRG N2767](#) & [IRG N2798](#)

Unanimous

The IRG recommends that Vietnam's horizontal extension of U+2CACD as proposed in document IRG N2798 be accepted.

Action Items:

- 2025-04-25: Vietnam submits document IRG N2798 to WG 2, along with a TrueType font that includes the new V-source representative glyph

Recommendation IRG M64.14: Revised G-Source Representative Glyphs & Sources

Document References: [IRG N2730](#), [IRG N2743](#), [IRG N2747](#), [IRG N2767](#), [IRG N2772R](#), [IRG N2787](#), [IRG N2788](#), [IRG N2790](#), [IRG N2800](#), [IRG N2803R2](#), [IRG N2805R2](#), [IRG N2806](#), [IRG N2807](#) & [IRG N2812](#)

Unanimous

The IRG recommends that the 33 proposed G-source representative glyph changes in documents N2803R2 (five ideographs, which excludes U+9D56), IRG N2805R2 (26 ideographs), and IRG N2807 (two ideographs), 12 of the 13 proposed *kIRG_GSource* property value changes in document IRG N2803R2 (excluding U+6FF2), the two *kRSUnicode* and two *kTotalStrokes* property value changes in document IRG N2805R2, and the one *kRSUnicode* and two *kTotalStrokes* property value changes in document IRG N2800, be accepted. The possible disunifications of U+9D56 and U+3125D that are discussed in documents IRG N2800 and IRG N2812, along with issues with U+6FF2, will be discussed in a future IRG meeting.

Action Items:

- 2025-04-25: China submits to WG 2 a TrueType font that includes the revised G-source representative glyphs

Recommendation IRG M64.15: Revised T-Source Representative Glyphs & Sources

Document References: [IRG N2767](#), [IRG N2777](#), [IRG N2778](#) & [IRG N2779R2](#)

Unanimous

The IRG recommends that the 372 proposed T-source representative glyph changes in documents IRG N2777 (one ideograph), IRG N2778 (eight ideographs), and IRG N2779R2 (363 ideographs), the six proposed *kIRG_TSource* property values changes in Sections 3.A (three ideographs) and 3.B (three ideographs) of document IRG N2779R2, and the four *kRSUnicode* and three *kTotalStrokes* property value changes in Appendix 3 of document IRG N2779R2, be accepted. In addition, the IRG recommends that the *kIRG_TSource* property value of U+2B7C2, whose representative glyph change was proposed in document IRG N2777, be changed to TB-7C6B per the discussion of that document.

Action Items:

- 2025-04-25: TCA submits to WG 2 a TrueType font that includes the revised T-source representative glyphs

Recommendation IRG M64.16: Revised V-Source Representative Glyphs & Sources

Document References: [IRG N2767](#), [IRG N2795](#), [IRG N2798](#) & [IRG N2801](#)

Unanimous

The IRG recommends that the 11 proposed V-source representative glyph changes in documents IRG N2798 (eight ideographs) and IRG N2801 (three ideographs), the three proposed *kIRG_VSource* property value changes in document IRG N2798, and the *kRSUnicode* and *kTotalStrokes* property value changes for U+32EBE (VN-F1953) in the Extension J block in document IRG N2798, be accepted.

Action Items:

- 2025-04-25: Vietnam submits to WG 2 a TrueType font that includes the revised V-source representative glyphs

Recommendation IRG M64.17: Updated IRG Disunified Ideographs

Document References: [IRG N2767](#) & [IRG N2710R](#)

Unanimous

The IRG requests the IRG Chief Editor to prepare document IRG N2811 as a draft of the list of IRG disunified ideographs since IRG Meeting #45, and further requests that IRG experts review the document and submit feedback.

Action Items:

- 2025-05-30: The IRG Chief Editor submits document IRG N2811 for review by IRG experts
- 2025-08-29: IRG experts review document IRG N2811 and submit feedback to the IRG
- 2025-09-26: The IRG Chief Editor submits document IRG N2811R, if necessary, based on feedback from IRG experts, for approval during IRG Meeting #65

Recommendation IRG M64.18: IRG P&P Update

Document References: [IRG N2652](#), [IRG N2711](#), [IRG N2713](#), [IRG N2714R](#), [IRG N2715R](#), [IRG N2734](#), [IRG N2767](#) & [IRG N2791](#)

Unanimous

The IRG recommends that the IRG Convenor prepare a draft of IRG P&P Version 18 for review during IRG Meeting #65 that incorporates the proposed changes in documents IRG N2711, IRG N2713, IRG N2714R, and IRG N2715R. The IRG also requests IRG experts to review the proposal in Section 2.c of document IRG N2791 to move 17 UCVs to NUCVs, which will be discussed during IRG Meeting #65. The speed and efficiency improvements in documents IRG N2734 and IRG N2791 were discussed, and the IRG recommends that China prepare a document for discussion at WG 2 Meeting #72.

Action Items:

- 2025-09-26: The IRG Convenor posts a draft of IRG P&P Version 18 for review during IRG Meeting #65

Recommendation IRG M64.19: Encoding CJKV Components

Document References: [IRG N2704](#), [IRG N2733R](#), [IRG N2739](#), [IRG N2740](#), [IRG N2767](#) & [IRG N2799](#)

Unanimous

The IRG briefly reviewed document IRG N2799 that details the current status of encoding CJKV components in a new block tentatively named **CJK Unified Ideographs Components**, and encourages its

authors to continue developing the repertoire according to the plan that is outlined in the document. TCA also provided a short demo of CMEX's [CJK Components Review Tool](#), and stated that any IRG experts who would like an account, which is necessary to add comments or to add new CJKV components, should contact Selena (HOD of TCA) to request credentials.

Recommendation IRG M64.20: Script-Hybrid Han Ideographs

Document References: [IRG N2620](#), [IRG N2637](#), [IRG N2704](#), [IRG N2717](#), [IRG N2731](#), [IRG N2738R](#), [IRG N2741](#), [IRG N2742](#), [IRG N2744](#), [IRG N2767](#), [IRG N2789](#), [IRG N2792](#) & [IRG N2793R](#)

Unanimous

The IRG discussed the contributions from ROK in documents IRG N2792 and IRG N2793R, along with the UNC proposal in document IRG N2789, and the consensus among IRG experts is to continue discussing the topic of encoding script-hybrid Han ideographs based on proposals submitted for discussion during future IRG meetings.

Recommendation IRG M64.21: CAAPH IVD Collection

Document References: [IRG N2767](#) & [IRG N2796R2](#)

Unanimous

The IRG supports and endorses the registration of the new CAAPH IVD collection whose preliminary version is proposed in document IRG N2796R2, and recommends that the document author work with the IVD Registrar to prepare and submit the IVD collection and its sequences to the Unicode Consortium for public review and subsequent registration.

Appreciation

The IRG expresses its sincere thanks to the Unicode Consortium for hosting the IRG home page and document register, to Apple for hosting the virtual meeting using Webex, and to Mr Henry CHAN for developing and continuing to improve the Online Review Tool (ORT) that has proven to be crucial for reviewing IRG working sets in a very efficient and effective manner.

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