

Ideographic Research Group

Title: Summary Report of IRG Meetings #65 and #66

Source: Ken Lunde, IRG Convenor

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Meeting Dates: 2025-10-13/17 & 2026-03-16/20

This document is a summary report of the recommendations for IRG Meeting #65 (see document IRG N2826, WG 2 N5345, or SC 2 N5004) and IRG Meeting #66 (see document IRG N2909, WG 2 N5352, or SC 2 N5023) that were attended by experts from China, Hong Kong SAR, Macao SAR, Republic of Korea (ROK), SAT Daizōkyō Text Database Committee, TCA, UK, US, UTC, and Vietnam, along with individual experts.

01) Future IRG Meetings

Recommendations: [M65.01](#) & [M66.01](#)

For Information & Approval

The following is the future IRG meeting schedule:

- IRG Meeting #67: Tōkyō, Japan (hybrid), 2026-10-12/16 — **host (SAT Daizōkyō Text Database Committee) and location confirmed — approved by WG 2**
- IRG Meeting #68: Virtual (Webex), 2027-03-15/19 — **approved by WG 2**
- IRG Meeting #69: Ho Chi Minh City, Vietnam (hybrid), 2027-10-11/15 — **host (Fulbright University) and location confirmed — for approval by WG 2**
- IRG Meeting #70: Virtual (Webex), 2028-03-13/17 — **for approval by WG 2**
- IRG Meeting #71: Fall 2028 — **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 Fall meeting shall be virtual (Webex).

02) IRG Document Migration Status

Recommendations: [M66.02](#)

For Information & Action

The current IRG Convenor began the process of migrating available documents from the previous IRG document register to the current one on 2024-07-08, and finished on 2026-02-14. Approximately 700 early IRG documents were not available, and therefore could not be migrated.

WG 2 member bodies and experts—both former and current—who have in their printed or digital archives any early IRG documents are strongly encouraged to provide them to the IRG Convenor for posting to the current IRG document register.

03) UCV & NUCV Lists Updates

Recommendations: [M65.02](#), [M65.03](#), [M66.03](#) & [M66.04](#)

For Information

The IRG has been expanding the UCV (*Unifiable Component Variations*) and NUCV (*Non-Unifiable Component Variations*) lists in its IRG Working Document Series (IWDS), specifically IWDS Series 2, based

on the reviews of IRG working sets during each meeting. As a result, the IRG has confirmed two updates since the previous summary report: document IRG N2813 during IRG Meeting #65, and document IRG N2886 during IRG Meeting #66. The next update is expected to be confirmed during IRG Meeting #67 as document IRG N2931.

04) IRG P&P Update

Recommendations: [M65.21](#) & [M66.20](#)

For Information

The IRG confirmed IRG Principles & Procedures Version 18, Draft 2 (aka document IRG N2850R) during IRG Meeting #66, and instructed the IRG Convenor to prepare IRG Principles & Procedures Version 18 for publication, which was done shortly after the meeting. The actual publication date was 2026-04-17. The deployment format transitioned from a PDF file exported from Microsoft Word to an HTML file whose URL always resolves to the current version (the [index.html](#) file is implied):

<https://www.unicode.org/irg/pp/>

The permanent—and explicit—URL for IRG Principles & Procedures Version 18 is shown below:

<https://www.unicode.org/irg/pp/PPv18.html>

05) Consolidated FS & SC Guidelines

Recommendations: [M65.22](#) & [M66.18](#)

For Information

The IRG confirmed document IRG N2862R2 as a replacement for all previous documents that prescribed FS (*First Stroke*) and SC (*Stroke Count*) values—documents IRG N954AR, IRG N1105, IRG N2171, and IRG N2221—and instructed the document author to prepare a final version as document IRG N2951 (entitled “Consolidated FS & SC Guidelines”). This new document was posted to the IRG document register on 2026-04-02, was added to IWDS Series 1, and is referenced in IRG Principles & Procedures Version 18.

06) Rules for Assigning Radicals

Recommendations: [M66.19](#)

For Information

The IRG recommended that the author of document IRG N2925 prepare a new document, IRG N2952 (to be entitled “Rules for Assigning Radicals”), which includes condensed versions of the rules as specified on pp 5 through 7 of that document. Once accepted by the IRG, which may happen as early as IRG Meeting #67, document IRG N2952 is expected to be added to IWDS Series 1.

07) IRG Working Set 2024

Recommendations: [M65.04](#) & [M66.07](#)

For Information

Seven IRG member bodies—China, ROK, SAT, TCA, UK, UTC, and Vietnam—submitted a total of 4,674 ideographs for IRG Working Set 2024. The IRG has conducted two rounds of review of IRG Working Set 2024, for Versions 3.0 and 4.0, since the previous summary report. The review of IRG Working Set 2024 Version 5.0 is scheduled to begin on 2026-05-29. The IRG may submit IRG Working Set 2024 to WG 2 to be standardized as a new CJK Unified Ideographs extension block as early as next year.

08) Next IRG Working Set Submission Estimates

Recommendations: [M66.08](#)

For Information

In preparation for announcing the submission deadline for the next IRG working set, which may be as early as next year, the IRG Convenor requested that active IRG member bodies include as an item in their activity report for IRG Meeting #67 an estimate of how many ideographs they would ideally submit. The size of the next IRG working set is targeted to be approximately 10,000 ideographs. Note that some IRG member bodies may submit a smaller number of ideographs or none at all.

09) Disunifications

Recommendations: [M65.05](#) & [M65.06](#)

For Information

The IRG recommended during IRG Meeting #65 that the following disunifications be accepted:

- The disunification of U+980B, U+FACB, and U+2F9FF, as proposed in documents IRG N2834 and IRG N2865, with the disunified form encoded at **U+2EA07**, which is an existing code point in the CJK Unified Ideographs Extension F block
- The disunification of U+6B25, as proposed in Section 2 of document IRG N2889R2, with the disunified form encoded at **U+2B81E**, which is a new code point at the end of the CJK Unified Ideographs Extension D block

These disunifications are reflected in ISO/IEC 10646 7th Edition CD.4, and are also recorded in the first table on the new “IRG Disunified Ideographs” web page that is linked from the IRG home page (see Section 10 of this document).

10) IRG Disunified Ideographs

Recommendations: [M65.20](#) & [M66.05](#)

For Information

The IRG maintains a list of disunified ideographs from IRG Meeting #45 to present as IWDS Series 4. Document IRG N2892, which recorded disunified ideographs from IRG Meetings #45 through #65, was approved during IRG Meeting #66. Between IRG Meeting #65 and IRG Meeting #66, the IRG Convenor established the following new “IRG Disunified Ideographs” web page that is linked from the IRG home page that provides the same information, and is easier to view and maintain:

<https://www.unicode.org/irg/disunified.html>

The IRG agreed to supercede IWDS Series 4 with this new web page.

11) Horizontal Extensions

Recommendations: [M65.07](#), [M65.08](#), [M65.09](#) & [M65.10](#)

For Information

The IRG recommended during IRG Meeting #65 that the following horizontal extensions be accepted:

- The 597-ideograph horizontal extension as proposed by China in document IRG N2877R3
- The 163-ideograph horizontal extension as proposed by TCA in document IRG N2879R2
- The horizontal extension of U+35E9 as proposed by Hong Kong SAR in document IRG N2849R
- The horizontal extension of U+2B058 as proposed by ROK in document IRG N2873

These horizontal extensions are reflected in ISO/IEC 10646 7th Edition CD.4.

12) Representative Glyph & Source Reference Changes

Recommendations: [M65.11](#), [M65.12](#), [M65.13](#), [M65.14](#), [M65.15](#), [M65.16](#), [M66.10](#), [M66.12](#) & [M66.13](#)

For Information

The IRG recommended during IRG Meeting #65 and IRG Meeting #66 that following representative glyph, source reference, and *kRSUnicode* property value changes be accepted:

- The 114 G-source representative glyph changes as proposed in documents IRG N2844R (18), IRG N2874R (4), IRG N2875 (16), IRG N2876R2 (19), and Section 1 of IRG N2889R2 (57)
- The 22 T-source representative glyph changes as proposed in documents IRG N2842 (1), IRG N2861 (18), and IRG N2880 (3) — **NOTE:** *Recommendation IRG M65.14 mistakenly excluded six T-source representative glyph changes that were specified in Table 2 of document IRG N2861, so the figure was changed from 12 to 18 in this document*
- **The T-source representative glyph change for U+2976E in the CJK Unified Ideographs Extension B block as proposed in document IRG N2927R**
- The K-source representative glyph change for U+25A2B in the CJK Unified Ideographs Extension B block as proposed in document IRG N2873
- **The K-source representative glyph change for U+2DB7C in the CJK Unified Ideographs Extension F block as proposed in document IRG N2916**
- The 1,719 *kIRG_GSource* property value changes as proposed in documents IRG N2808R2 (163), IRG N2864R (1,538), IRG N2874R (3), and IRG N2876R2 (15)
- **The three *kIRG_GSource* property value changes as proposed in document IRG N2930**
- The nine *kIRG_TSource* property value changes as proposed in documents IRG N2861 (6) and IRG N2880 (3)
- The 11 *kIRG_KSource* property value changes as proposed in document IRG N2872
- The *kRSUnicode* property value change for U+204F2 in the CJK Unified Ideographs Extension B block as proposed in document IRG N2874R — **NOTE:** *Recommendation IRG M65.11 mistakenly excluded this change*
- **The *kRSUnicode* property value change for U+2DB7C in the CJK Unified Ideographs Extension F block as proposed in document IRG N2916**

With the exception of the items in **green**, all of which were recommended during IRG Meeting #66, these representative glyph, source reference, and *kRSUnicode* property value changes are reflected in ISO/IEC 10646 7th Edition CD.4. The items in **green** will be included in Unicode Version 18.0 Beta and in the subsequent ISO/IEC 10646 7th Edition CD.

The representative glyph changes are also recorded in the first table on the new “Representative Glyph Changes” web page that is linked from the IRG home page, which the IRG Convenor established between IRG Meeting #64 and IRG Meeting #65.

13) Establishing a Normative IRG Source for Singapore (SG)

Recommendations: [M65.19](#) & [M66.16](#)

For Information & Action

The IRG recommended that a new normative IRG source for Singapore (SG), *kIRG_SGSource*, as proposed in document IRG N2926, be established, and that the existing G-source references and representative glyphs with the “GS” source prefix be moved to the new *kIRG_SGSource* property with the “SG” source prefix as proposed in the document.

Per the second Action Item of Recommendation IRG M65.19 in document IRG N2826, the IRG Convenor forwarded document IRG N2926 to SSC (*Singapore Standards Council*) on 2026-02-26 to solicit their feedback, but has not yet received a reply. At the request of the IRG Convenor, the Committee Manager of ISO/IEC JTC 1/SC 2 also forwarded the document to SCC on 2026-03-17.

The IRG requests that WG 2 experts discuss whether a new normative IRG source for Singapore, as proposed in document IRG N2926, can be established without any feedback from Singapore. The final decision should be made by SC 2.

14) CJKV Components Blocks

Recommendations: [M65.23](#) & [M66.17](#)

For Information & Action

The IRG recommends that the “CJK Unified Ideographs Components-A” (2FA20..2FA96; block: 2FA20..2FA9F) and “CJK Unified Ideographs Components-B” (2FAA0..2FC16; block: 2FAA0..2FC1F) blocks with 119 and 375 CJKV components, respectively, as proposed in document IRG N2878R3, be accepted. The document includes as PDF attachments the required normative and informative metadata and TrueType fonts, along with a Proposal Summary Form at the end.

The IRG recommends that these two new CJK Unified Ideographs blocks, which are placed immediately after the CJK Compatibility Ideographs Supplement block, be accepted for a future edition or amendment of the ISO/IEC 10646 standard.

15) CJK Hybrid Characters

Recommendations: [M65.24](#)

For Information & Action

The consensus among IRG experts is to delegate the encoding of CJK hybrid characters—with the exception of the large number of well-attested Korean ideographs that include phonetic components based on Hangeul—to WG 2 with oversight by the IRG. In other words, the IRG is better equipped to determine whether a particular character is encoded in a CJK Unified Ideographs extension block or in a separate block for CJK hybrid characters.

The definition of CJK hybrid character includes, but is not limited to, Han-like characters that include Latin, Hiragana, Katakana, or Bopomofo characters as components, even if such components are manifested as Han components. The IRG recommends that such characters be encoded in a block that is separate from CJK Unified Ideographs extension blocks, meaning not in Plane 2 nor in Plane 3. Furthermore, if the Unicode Technical Committee wishes to assign properties to such characters in the Unihan database, the subsequent IRG review process can include discussions about the rules for assigning property values, such as IRG source references, Kangxi radical assignments, number of strokes, readings, and so on.

The IRG Convenor requests that WG 2 experts discuss the recommendation that CJK hybrid characters be encoded in blocks that are not in Plane 2 nor in Plane 3.

16) UTS #37 Update

For Information & Action

Version 7.0 (Revision 16) of UTS #37, *Unicode Ideographic Variation Database*, was published on 2026-04-30. This update removed the requirement that the registrant establish a stable URL that describes their collection. Instead, that requirement was shifted to the IVD Registrar, specifically to establish on the registration authority’s website a permanent URL that describes each registered IVD collection. Among the six registered IVD collections, only the registered *Moji_Joho* IVD collection does not yet have a permanent URL on the registration authority’s website.

ISO/IEC 10646 normatively references a previous version of UTS #37 in Section 2, and also references a previous version of the IVD in Section 17.6.4. Those references should be updated to reflect the latest versions.

17) In Memoriam

For Information

IRG Meeting #65 and IRG Meeting #66 noted with great sadness the passing of two notable IRG experts, Mr Andrew West and Professor Nguyễn Quang Hồng, both of whom had a very long list of contributions to IRG and WG 2 matters. May they rest in peace.

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