

Universal Multiple-Octet Coded Character Set UCS

ISO/IEC JTC1/SC2/WG2/IRGN2393

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Editors from China, HKSAR, Japan, R.O.Korea, SAT, TCA, USA, Unicode Consortium and some individuals met during IRG#50. The editorial group discussed the following issues.

1. Duplicate character in Extension F

Reference:

- IRGN2237: Duplicate character in Extension F
 - Henry Chan's response
 - Korea's response

Korea provided evidences showing different shapes of U+2DE17, and confirmed that U+2DE17 and U+247EC are non-cognate. Since U+2DE17 is a K only character, the editorial group agreed that Korea will change the glyph of U+2DE17 to match the shape initially suggested in proposal.

2. Radical 月 and Radical 肉

Reference:

- IRGN2239: Comments on Radical Moon & Radical Meat

This document points out many issues related to Radical #74 月 and Radical #130 肉.

The editorial group noticed there might be some errors in UCS as listed in this document, and asked related IRG members to review this document and submit the feedback. The following characters were specially raised:

G Source: 2B785(GIDC-706) 23391(GCH) 26657(GHZ-32047.01)
26849(GHZ-32116.05) 2AC60(GZFY-00830) 2AC65(GCH-2006.68)

2AC69(GCYY-00725) 2C073(GZFY-00886) 2C075(GZFY-00828)
2C078(GZFY-00900) 2C07A(GZFY-00826) 2C07D(GZFY-00878)
2C080(GZFY-00883) 2C081(GZFY-00889) 2C082(GZFY-00877)
2C085(GZFY-00903) 2C08C(GZFY-00851) 267C3(GHZ-32105.13)
26877(GKX-0997.06)
H Source: 6721(HB2-DF7A) 80BC(H-89AE) 80BD(H-9DE8) 266E8(H-8ED8)
T Source: 43D9(T4-2765) 2F8D7(T5-264A) 440B(T6-497E) 2F984(T5-3B50)
671C(T4-3829) 6721(T2-4641) 2F8DA(T5-3F66) 2F8D6(T6-2C23) 6711(T3-6632)
26657(T4-2664) 2AC66(TD-4421) 2AC69(TD-4D28) 2B1C3(TE-4724)
26877(T5-636E)
J Source: 2AC69(JK-65540) 2B786(JH-JTB8DA) 2B787(JH-JTB8D8)
V Source: 80CB(V3-324D) 2338A(V2-8154) 233A3(V2-816E) 2666B(V2-787E)
26744(V3-367C)
U Source: 3B3F(UTC-00732) 2C095(UTC-00683)

3. Horizontal Extensions

Reference:

- IRGN 2300: ROK request Horizontal Extension
- IRGN2301: TCA request of Horizontal Extension
- IRGN2238: Request for consideration to add kIRG_GSource value to U+9FD4 as China's horizontal extension

The editorial group generally accepted the proposed 152 K characters in IRGN2300 and 23 T characters in IRGN2301, and asked editors to review and feedback before IRG#51. China will consider the IRGN2238 which requests adding kIRG_GSource value to U+9FD4 𐄀 哥.

4. Change of 11 G Glyphs

Reference:

- IRGN2257: Glyph Update for 11 G chars in Ext. A

The editors reviewed and accepted the proposed 11 modified G glyphs in IRGN2257. China will propose the document to WG2.

5. Corrections of G4K Sources and Glyphs

Reference:

- IRGN2267: Request to Update G4K Source and Glyphs

This document shows some possible source errors and glyph errors of the G4K characters in UCS. The editorial group asked China to review and feedback before IRG#51.

6. Process of Some Encoded T Source Characters

Reference:

- IRGN2272: TCA responses to Glyph Issue in Published Standard
 - Henry Chan's Feedback

➤ IRGN2272R

This document shows some possible errors of T source characters and gives suggested solutions of TCA. Discussed with editors,

TCA agreed to correct fonts (most in CJK_B) mentioned in IRGN2272. TCA also confirmed the mapping change suggested in IRGN2272.

U+3B9D and others, China will submit corrected font to UCS project editor.

U+22E3F、U+23A26、U+24120、U+24662、U+26C16、U+281AF, T fonts will be corrected.

U+2F8FD, T font will be corrected and T source will be moved to U+2DC09.

U+38E3, T source will be changed to T5-2D48.

U+2F89B, T source will be changed to TF-2F3E.

U+5284, T source will be changed to TE-656C.

U+7B9A, T source will be changed to T2-4C61.

U+21FD2, it is confirmed that HKSAR had submitted font (like G shape) to UCS Project Editor.

U+2F879, no change.

U+2F936 will be disunified with U+753E, and will be recorded to Annex P.

The editor suggested recording UCS2003 errors in UCS Annex P.

All modified fonts will be reviewed by IRG before submitting to WG2.

7. Proposed 4 IDCs

Reference:

- IRGN2273R: Proposal to add 4 Ideograph Description Characters

The editors accepted the proposed U+2FFC and U+2FFD. The authors of IRGN2273R were required to consider editors' concerns on the proposed U+2FFE and U+2FFF, and to provide further information.

8. Issue with G8 source

Reference:

- IRGN2276: Pseudo-G8 characters

This document points out there are several characters which aren't included in the original G8 source: GB/T 8565.2-88. China confirmed that the G references for the characters mentioned in IRGN2276 are needed to update. China will provide the new sources as suggested in IRGN2276 or other new sources.

9. China's Telegraph Codebook

Reference:

- IRGN2294: Proposal to add G source references to characters in China's telegraph codebook

China will review and feedback.

10. Normalization of 4 K glyphs

Reference:

- IRGN2295: Request for consideration to normalize 4 K glyphs
 - Korea's response

This document requests to modify 4 K-Source glyphs according to ROK normalization rule 168-1 & 168-2, but ROK did not apply the normalization rules in Ext. F. The 4 K-Source glyphs should be not changed. And the editorial group didn't encourage ROK to change the glyphs on an ad-hoc basis since these characters were published.

11. Representative Glyphs of Extension B

Reference:

- IRGN2296: Proposal to Remove Representative Glyphs of Extension B
 - China Feedback

The editors noticed the concerns in IRGN2296. However, the removal of them will cause confusion to current users. Therefore, the editors concluded to keep UCS2003 representative glyphs as they are until there are better solutions.

12. kIICore Property Changes

Reference:

- IRGN2298: Proposed kIICore Changes & Additions
 - Jaemin Chung's comments
 - IRGN2298R
 - Korea's response

Korea's comments (N2298_KR_Resp1) were discussed and accepted. The editorial group asked the related IRG members to review and feedback before IRG#51.

13. Encoding of Gongche Characters

Reference:

- IRGN2299: Request to discuss how to handle seven unencoded Gongche characters for Kunqu Opera

The editors acknowledged the needs of these characters. The editor considered these characters to be symbols for musical notations and should not be in the CJK Unified Ideographs blocks.

14. Issues with G3 and G5 characters

Reference:

- IRGN2302: Issues with G3 and G5

This document raises some possible errors of G3 and G5 characters, and suggests corrections. The discussion concluded:

IRGN2302 Part 1: China agreed to the suggested mapping changes. Sources of glyphs that can not be found from G3 and G5 will be changed to G9.

IRGN2302 Part 2: China agreed to change glyphs of 3B9D and 4A76.

IRGN2302 Part 3: The "unencoded" characters will be checked and proposed to IRG

later.

IRGN2302 Part 4: China noticed. No action was required to China.

15. CJK Regional Supplementary Ideographs

Reference:

- IRGN2305: CJK Regional Supplementary Ideographs
- IRGN2306: Proposal to Streamline IRG Processes

Mr. Suzuki explained IRGN2305 (SC2 N4601), a proposal to start the development of CJK Regional Supplementary Ideographs. The document proposes to apply the proposed scheme using CJK Regional Supplementary Ideographs to the development of WS2017.

Henry Chan expressed his opposing opinion using IRGN 2306 that he prepared in response to IRGN 2305.

The IRG experts discussed the proposed idea and found several points which the document has not clarified;

- the document does not mention about what to do with the 2 % of unifiable characters
- the characters from same source but multiple submitters (e.g. SAT may submit a character from a reference, which China may also need.)
- WG2 first needs to decide whether CJK ideographs can have multiple identical glyphs if we take this kind of approach
- The counting method used by IRGN2305 does not take the upcoming horizontal extensions into account. This evaluation would be incorrect and underestimating the number of unified codepoints.
- It is unclear how the scheme speed up the process, because, for recent extensions, more time has been spent in IRG for discussions on the unification with the existing characters, not the character within the same working set.

In summary, the majority of IRG experts regarded that IRG N2305 is not matured to implement and cannot apply to the current working set, WS2017. IRG experts suggest JNB to revise IRG N2305, and also suggest the experts to submit their feedbacks by London SC2 meeting, because SC2 N4601 would be discussed at there.

16. Process of Future CJK submissions

Reference:

- IRGN2306: Proposal to Streamline IRG Processes

For variants, the character submitters are encouraged to submit “normalized glyphs” rather than the “vulgar variants” which shape exactly matches the original material. The original “vulgar variants” shapes are encouraged to be implemented with IVS (Ideographic Variation Sequences) which is specified in UCS2017.

For variants used as personal names, submitters are encouraged to use IVSes for representing them. The editorial group recognized the needs for strict clear instructions from SC2 on the matter.

IRG members are reminded that the postponed/pending characters of WS2015 and

previous working sets can be resubmitted to IRG if additional information to warrant good quality.

17. PnP updates

Reference:

- IRGN2310

During the discussion on WS2017, IRG realized the need for keeping track of the submitted glyph images. The proposed change for each glyph image, the file name of image will include its source reference and submission date.