

Universal Multiple-Octet Coded Character Set International Organization for Standardization

Doc Type: ISO/IEC JTC1/SC2/WG2/IRG

Title: UTC Submission for IRG Working Set 2024

Source: The Unicode Consortium

Status: Liaison Contribution

Action: For consideration by IRG

Date: 2024-06-26

Per IRG #62 Recommendation M62.14 on pp 4 and 5 of document [IRG N2670](#), this UTC (*Unicode Technical Committee*) submission for IRG Working Set 2024 includes a total of 244 ideographs, and consists of the following four files:

IRG N2687: This document, which includes a table of the proposed ideographs and their source references on pp 4 through 8, followed by the two-page Proposal Summary Form

IRGN2687.UTC_2024_sub_244_attributes.xlsx (PDF attachment): An Excel file that includes all of the required attributes for the 244 ideographs in this submission

IRGN2687.UTC_2024_sub_244_evidence.zip: A separate ZIP file containing 794 evidence images in JPEG (749), PNG (35), or PDF (10) format for the 244 ideographs in this submission

UTCHanWS2024-Regular.ttf (PDF attachment): A TrueType font that includes the representative glyphs for the 244 ideographs in this submission

Note that the two PDF attachments can be extracted by opening this PDF file using Adobe Acrobat, which will reveal the attachments in the Attachments panel. The latest version of Google Chrome and Firefox also allow PDF attachments to be extracted.

Inclusion Rationale

The ideographs in this submission are not from any one particular repertoire, and instead come from various sources. The table below lists the U-Source source references for the 244 ideographs in this submission, along with the source documents that were submitted to the UTC, if any, whose ideographs were accepted by the UTC for inclusion in [UAX #45](#) (*U-Source Ideographs*):

Source References	Source Documents
UTC-00358, UTC-00373	N/A
UTC-00777	L2/21-178

Source References	Source Documents
UTC-00792	L2/21-149
UTC-00910	N/A
UTC-01257	L2/15-177R , L2/22-040
UTC-01301	L2/15-177R , L2/22-040
UTC-03116	L2/17-204
UTC-03241 through UTC-03247	L2/21-101
UTC-03248	L2/21-149
UTC-03249, UTC-03250	L2/21-178
UTC-03251	L2/21-179
UTC-03252 through UTC-03254	L2/22-009
UTC-03255 through UTC-03257, UTC-03260, UTC-03261, UTC-03263, UTC-03266, UTC-03268 through UTC-03275, UTC-03277 through UTC-03285, UTC-03287 through UTC-03295	L2/22-040
UTC-03296, UTC-03297	L2/22-085
UTC-03298 through UTC-03331, UTC-03333 through UTC-03335	L2/22-206
UTC-03336	L2/22-282
UTC-03337	L2/23-110
UTC-03339	L2/23-124
UTC-03340 through UTC-03349	L2/23-126
UTC-03350 through UTC-03377, UTC-03379 through UTC-03384	L2/23-130
UTC-03385 through UTC-03393	L2/23-139R
UTC-03394	L2/23-202
UTC-03395	L2/23-213
UTC-03396	L2/23-214
UTC-03397	L2/23-226
UTC-03398	L2/23-285
UTC-03399 through UTC-03408	L2/24-041
UTC-03409 through UTC-03442	L2/24-047
UTC-03443 through UTC-03445	L2/24-056
UTC-03446	L2/24-075
UTC-03447 through UTC-03449	L2/24-076
UTC-03450 through UTC-03476	L2/24-092
UTC-03477	L2/24-095
UTC-03478 through UTC-03487	L2/24-099

Most of the ideographs in this submission are new additions to UAX #45, specifically UTC-03241 and above, but some have been in UAX #45 for some time and now have better or new evi-

dence. In particular, UTC-01257 ([#02145](#)) and UTC-01301 ([#04429](#)) were withdrawn from IRG Working Set 2015, and UTC-03116 ([#04899](#)) was withdrawn from IRG Working Set 2017.

That is all.

Source Reference	Glyph
UTC-00358	掀
UTC-00373	躑
UTC-00777	滋
UTC-00792	𨋖
UTC-00910	嘒
UTC-01257	澱
UTC-01301	鉤
UTC-03116	鵠
UTC-03241	霽
UTC-03242	禡
UTC-03243	霰
UTC-03244	𨀉
UTC-03245	𨀊
UTC-03246	𨀋
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UTC-03250	梳

Source Reference	Glyph
UTC-03251	𨀎
UTC-03252	𨀏
UTC-03253	𨀐
UTC-03254	𨀑
UTC-03255	𨀒
UTC-03256	𨀓
UTC-03257	𨀔
UTC-03260	𨀕
UTC-03261	𨀖
UTC-03263	𨀗
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Source Reference	Glyph
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Source Reference	Glyph
UTC-03295	花
UTC-03296	吧
UTC-03297	砒
UTC-03298	豈
UTC-03299	仇
UTC-03300	汨
UTC-03301	汨
UTC-03302	汨
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Source Reference	Glyph
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Source Reference	Glyph
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Source Reference	Glyph
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Source Reference	Glyph
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Source Reference	Glyph
UTC-03406	屍
UTC-03407	嘍
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UTC-03409	鮫
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Source Reference	Glyph
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Source Reference	Glyph
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Source Reference	Glyph
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Source Reference	Glyph
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Source Reference	Glyph
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**ISO/IEC JTC 1/SC 2/WG 2/IRG
PROPOSAL SUMMARY FORM TO ACCOMPANY SUBMISSIONS
FOR ADDITION OF CJK UNIFIED IDEOGRAPHS TO THE REPERTOIRE OF ISO/IEC 10646**

Submitters are reminded to:

1. Fill in all the sections below.

2. Read the Principles and Procedures Document (P & P) available at <https://appsrv.cse.cuhk.edu.hk/~irg/irg56/IRGN2424Confirmed.pdf>
for guidelines and details before filling in this form.

3. Use the latest Form from
<https://appsrv.cse.cuhk.edu.hk/~irg/irg56/IRGN2424SubmissionForm.xlsx>

See also <http://appsrv.cse.cuhk.edu.hk/~irg/irgwds.html> for the latest *Unifiable Component Variations*.

Administrative

1. IRG Project Code:	IRG Working Set 2024
2. Title:	UTC Submission for IRG Working Set 2024
3. Submitter's Region/Country Name:	USA / The Unicode Consortium
4. Submitter Type (National Body/Individual Contribution):	Liaison
5. Submission Date:	2024-06-26
6. Requested Ideograph Type (Unified or Compatibility Ideographs)	Unified Ideographs
If Compatibility, the submitter is strongly encouraged to instead register them as IVS in a new or an existing IVD collection(See UTS #37) with the IRG's approval (Registration fee will not be charged if authorized by the IRG.).	N/A
7. Proposal Type (Normal Proposal or Urgently Needed)	Normal Proposal
8. Choose one of the following:	
This is a complete proposal.	X
(or) More information will be provided later.	

B. Technical – General

1. Number of ideographs in the proposal:	244
2. Glyph format of the proposed ideographs is in TrueType?	Yes
Are all the proposed glyphs put into BMP PUA area?	Yes
Are data for source references vs. character codes provided?	Yes
3. Source references:	
Do all the proposed ideographs have a unique, proper source reference (member body/international consortium abbreviation followed by no more than 9 alphanumeric characters)?	Yes
4. Evidence:	
a. Do all the proposed ideographs have a separate evidence document which contains at least one scanned image of printed materials (preferably dictionaries)?	Yes
b. Do all the printed materials used for evidence provide enough information to track them by a third party (ISBN numbers, etc.)?	Yes
5. Attribute Data Format: (Excel file or CSV text)	Excel file

C. Technical - Checklist

Understanding of the Unification Principles

- | | |
|---|-----|
| 1. Has the submitter read ISO/IEC 10646 Annex S and does the submitter understand the unification principles? | Yes |
| 2. Has the submitter read the “Unifiable Component Variations” (contact the IRG technical editor through the IRG Convenor for the latest version) and does the submitter understand the unifiable variation examples? | Yes |
| 3. Has the submitter read the IRG PnP document and does the submitter understand the 5% Rule? | Yes |

Character-Glyph Duplication (<http://www.itscj.ipsj.or.jp/sc2/open/pow.htm> contains all the published ones and those under ballot)

- | | |
|---|-----------|
| 4. Has the submitter checked that the proposed ideographs are not unifiable with any of the unified or compatibility ideographs of the latest version of ISO/IEC 10646?

If the checking has been done against an earlier version of ISO/IEC 10646, please specify the version. (e.g. 10646:2012) | Yes |
| 5. Has the submitter checked that the proposed ideographs are not unifiable with any of the ideographs in the amendments, if any, of the latest version of ISO/IEC 10646?

If yes, which amendment(s) has the submitter checked? | N/A |
| 6. Has the submitter checked that the proposed ideographs are not unifiable with any of the ideographs in the proposed amendments, if any, of ISO/IEC 10646?

If yes, which draft amendment(s) has the submitter checked? | N/A |
| 7. Has the submitter checked that the proposed ideographs are not unifiable with any of the ideographs in the current working M-set and D-set of the IRG? (Contact IRG chief editor and technical editor through the IRG Convenor for the newest list)

If yes, which document(s) has the submitter checked? | Yes |
| 8. Has the submitter checked that the proposed ideographs are not unifiable with any of the over-unified or mis-unified ideographs in ISO/IEC 10646? (See Annex E of the IRG PnP document) | IRG N2678 |
| 9. Has the submitter checked whether the proposed ideographs have any similar ideographs in the current standardized or working sets mentioned above? | Yes |
| 10. Has the submitter checked whether the proposed ideographs have any variant ideographs in the current standardized or working sets mentioned above? | Yes |

Attribute Data

- | | |
|--|-----|
| 11. Do all the proposed ideographs have attribute data including the Kangxi radical code, stroke count, and first stroke(primary)? | Yes |
| 12. Do the proposed ideographs contain secondary radical code and their stroke count and first stroke are also provided? | No |
| 13. Are there any simplified ideographs (ideographs that are based on the policy described in簡化字總表) among the proposed ideographs?

If yes, does the proposal include proper simplified/traditional indication flag for each proposed ideograph in the attribute data? | |
| 14. Do all the proposed ideographs have the document page number of evidence documents in the attribute data? | Yes |
| 15. Do all the proposed ideographs have the proper Ideographic Description Sequence (IDS) in the attribute data?

If no, how many proposed ideographs do not have the IDS? | Yes |
| 16. If the answer to question 9 or 10 is yes, do the attribute data include any information on similar/variant ideographs for the proposed ideographs? | N/A |
| 17. Do all the proposed ideographs contain the total stroke count (kTotalStrokes)? | Yes |