

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 2021

Source: The Unicode Consortium

Status: Liaison Contribution

Action: For consideration by IRG

Date: 2021-04-29

Per IRG #56 [Recommendation M56.6](#), this UTC (*Unicode Technical Committee*) submission for IRG Working Set 2021 includes a total of 153 ideographs, and consists of the following four parts:

IRG N2488: This document, which includes a table of the proposed ideographs and their source references on pp 3 through 5, followed by the two-page Proposal Summary Form

IRGN2488.UTC_2021_sub_153_attributes.xlsx (**PDF attachment**): An Excel file that includes all of the required attributes for the 153 ideographs in this submission

IRGN2488.UTC_2021_sub_153_evidence.zip: A ZIP file containing 239 evidence images in JPEG or PNG format for the 153 ideographs in this submission

UTCHanWS2021-Regular.ttf (**PDF attachment**): A TrueType font that includes the representative glyphs for the 153 ideographs in this submission

Note that the two PDF attachments can be extracted by opening this PDF file using Adobe Acrobat (or Firefox), which will reveal the attachments in the Attachments panel.

Inclusion Rationale

The ideographs in this submission are not from any one particular repertoire, and instead come from various sources, most of which are Cantonese-specific ideographs. The table below lists the U-Source source references for the 153 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-00258, UTC-00281, UTC-00328, UTC-00329, UTC-00332, UTC-00339, UTC-00345, UTC-00359, UTC-00365, UTC-00372, UTC-00380, UTC-00385, UTC-00390, UTC-00394, UTC-00398, UTC-00400, UTC-00402, UTC-00403, UTC-00405, UTC-00416, UTC-00423, UTC-00427, UTC-00431, UTC-00441, UTC-00445, UTC-00446, UTC-00450, UTC-00455, UTC-00456, UTC-00459, UTC-00481, UTC-00498, UTC-00536, UTC-00563, UTC-00566, UTC-00602, UTC-00609, UTC-00623, UTC-00625, UTC-00630 through UTC-00633, UTC-00636 through UTC-00638, UTC-00647, UTC-00651 through UTC- 00653, UTC-00656, UTC-00657, UTC-00659 through UTC-00662, UTC- 00664, UTC-00665, UTC-00667, UTC-00671, UTC-00682, UTC-00684, UTC-00686, UTC-00689, UTC-00692, UTC-00697, UTC-00699, UTC- 00701, UTC-00703 through UTC-00705, UTC-00709, UTC-00711, UTC- 00712, UTC-00714, UTC-00717, UTC-00723, UTC-00738, UTC-00740, UTC-00742, UTC-00766, UTC-00768, UTC-00770, UTC-00778, UTC-00787	N/A
UTC-03167	L2/18-045
UTC-03168, UTC-03169	L2/18-064
UTC-03170 through UTC-03174, UTC-03176 through UTC-03178	L2/18-097
UTC-03179 through UTC-03188, UTC-03190 through UTC-03193	L2/18-288
UTC-03194 through UTC-03204	L2/18-290
UTC-03205 through UTC-03208	L2/19-089
UTC-03209	L2/19-043
UTC-03210	L2/19-011
UTC-03211 through UTC-03214	L2/20-074
UTC-03215 through UTC-03218	L2/20-093
UTC-03219	L2/20-096
UTC-03221	L2/20-126
UTC-03222 through UTC-03224	L2/20-139
UTC-03225 through UTC-03227	L2/20-145
UTC-03228 through UTC-03233	L2/20-206
UTC-03235 through UTC-03238	L2/21-025

Some of the ideographs in this submission are new additions to UAX #45, such as UTC-03167 and above, and some have been in UAX #45 for some time and now have better or new evidence.

That is all.

Source Reference	Glyph
UTC-00258	齧
UTC-00281	齧
UTC-00328	齧
UTC-00329	攪
UTC-00332	啗
UTC-00339	𪗇
UTC-00345	𪗈
UTC-00359	𪗉
UTC-00365	𪗊
UTC-00372	𪗋
UTC-00380	𪗌
UTC-00385	𪗍
UTC-00390	𪗎
UTC-00394	𪗏
UTC-00398	𪗐
UTC-00400	𪗑
UTC-00402	𪗒
UTC-00403	𪗓

Source Reference	Glyph
UTC-00405	𪗔
UTC-00416	𪗕
UTC-00423	𪗖
UTC-00427	𪗗
UTC-00431	𪗘
UTC-00441	𪗙
UTC-00445	𪗚
UTC-00446	𪗛
UTC-00450	𪗜
UTC-00455	𪗝
UTC-00456	𪗞
UTC-00459	𪗟
UTC-00481	𪗠
UTC-00498	𪗡
UTC-00536	𪗢
UTC-00563	𪗣
UTC-00566	𪗤
UTC-00602	𪗥

Source Reference	Glyph
UTC-00609	𪗦
UTC-00623	𪗧
UTC-00625	𪗨
UTC-00630	𪗩
UTC-00631	𪗪
UTC-00632	𪗫
UTC-00633	𪗬
UTC-00636	𪗭
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UTC-00647	𪗰
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UTC-00659	𪗶
UTC-00660	𪗷

Source Reference	Glyph
UTC-00661	擻
UTC-00662	擻
UTC-00664	熾
UTC-00665	熾
UTC-00667	熾
UTC-00671	榨
UTC-00682	毫
UTC-00684	氳
UTC-00686	泥
UTC-00689	掣
UTC-00692	攣
UTC-00697	辣
UTC-00699	疍
UTC-00701	瓠
UTC-00703	瘖
UTC-00704	臧
UTC-00705	瘳
UTC-00709	飩

Source Reference	Glyph
UTC-00711	爍
UTC-00712	昞
UTC-00714	瞶
UTC-00717	礪
UTC-00723	皖
UTC-00738	艷
UTC-00740	薈
UTC-00742	彪
UTC-00766	隆
UTC-00768	擊
UTC-00770	饒
UTC-00778	叟
UTC-00787	擻
UTC-03167	蜚
UTC-03168	砾
UTC-03169	砾
UTC-03170	漚
UTC-03171	愬

Source Reference	Glyph
UTC-03172	砗
UTC-03173	襪
UTC-03174	絳
UTC-03176	畎
UTC-03177	瓊
UTC-03178	硯
UTC-03179	瀦
UTC-03180	闐
UTC-03181	忞
UTC-03182	虡
UTC-03183	豸
UTC-03184	魃
UTC-03185	鯁
UTC-03186	狴
UTC-03187	譏
UTC-03188	佝
UTC-03190	寺
UTC-03191	𪚩

Source Reference	Glyph
UTC-03192	閩
UTC-03193	罽
UTC-03194	癩
UTC-03195	毫
UTC-03196	惆
UTC-03197	毋
UTC-03198	萆
UTC-03199	苙
UTC-03200	爰
UTC-03201	漭
UTC-03202	牝
UTC-03203	赫
UTC-03204	舐
UTC-03205	宮
UTC-03206	徽

Source Reference	Glyph
UTC-03207	五
UTC-03208	仃
UTC-03209	稽
UTC-03210	帑
UTC-03211	音
UTC-03212	疇
UTC-03213	爰
UTC-03214	灑
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Source Reference	Glyph
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UTC-03235	𠂇
UTC-03236	𠂇
UTC-03237	𠂇
UTC-03238	𠂇

**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 2021
2. Title:	UTC Submission for IRG Working Set 2021
3. Submitter's Region/Country Name:	USA / The Unicode Consortium
4. Submitter Type (National Body/Individual Contribution):	Liaison
5. Submission Date:	2021-04-29
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.	<input checked="" type="checkbox"/>
(or) More information will be provided later.	<input type="checkbox"/>

B. Technical – General

1. Number of ideographs in the proposal:	153
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? Yes

If the checking has been done against an earlier version of ISO/IEC 10646, please specify the version. (e.g. 10646:2012) N/A

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? N/A

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? N/A

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) Yes

If yes, which document(s) has the submitter checked? IRG N2444

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) Yes

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? Yes

If yes, does the proposal include proper simplified/traditional indication flag for each proposed ideograph in the attribute data? Yes

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? Yes

If no, how many proposed ideographs do not have the IDS? N/A

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? Yes

17. Do all the proposed ideographs contain the total stroke count (kTotalStrokes)? Yes