

Universal Multiple-Octet Coded Character Set
UCS

ISO/IEC JTC1/SC2/IRG N2231R

Date: 2018-03-16

Doc. Type:	Member body contribution
Title:	TCA's submission for the CJK extension IRG Working Set 2017
Source:	TCA
Status:	Input to IRG
Action:	For review by the IRG and WG2
Distribution:	IRG Member Bodies and Ideographic Experts
No. of pages:	6
Appendixes	4
Medium:	Electronic

1. Preface

TCA proposes 871 new ideographs as candidates for the CJK Unified Ideographs Extension IRG Working Set 2017 Project.

There are 13 chemical characters and 858 ideographs are come from the MOE's *Dictionary of Chinese Character Variants* (教育部《異體字字典》), please refer to <http://dict.variants.moe.edu.tw/main.htm>. The MOE's *Dictionary of Chinese Character Variants* is the biggest official online dictionary for Chinese characters provided by our government, and commonly used by Taiwan people. It collected more than 100,000 Chinese characters from 63 dictionaries.

This document includes submission forms, list of proposed ideographs with source information and evidences in excel files.

2. Documents

Submission Form

Appendix 1: IRGN2231R_TCA_CJK_2017_Attributes.xls

Appendix 2: IRGN2231R_TCA_CJK_2017_Glyph bmps (<T-source>.bmp)

Appendix 3: IRGN2231R_TCA_CJK_2017_Evidences

Appendix 4: IRGN2231R_TCA_CJK_2017_CJK Supplementary Components for IDS Use

the source documents for those ideographs listed as follows: (URL:
http://dict2.variants.moe.edu.tw/variants/rbt/page_content3.rbt?pageId=2981965)

No.	Name		Author/Editor	Edition
1.	HanLi Ziyuan	漢隸字源	宋·婁機	-
2.	LiBian	隸辨	清·顧藹吉	清康熙 57 年項綱氏玉淵堂刻本(大孚書局)
3.	Jinshi Wenzhi Bianyi	金石文字辨異	邢澍	聚學軒叢書第一集(百部叢書) (百亭書屋)
4.	Pianlei Beibiezi	偏類碑別字	羅振鋆初編、羅振玉增補、日本·北山邦博重編	-
5.	Beibiezi Xinbian	碑別字新編	大陸·秦公	-
6.	Yupian Linjuan	玉篇零卷	南朝梁·顧野王	日本石山寺藏舊鈔卷子本
7.	Guang Beibiezi	廣碑別字	-	-
8.	Ganlu Zishu	干祿字書	唐·顏元孫	夷門廣牘叢書(商務) (景印宋元明善本叢書十種)
9.	Longkan Shuojin	龍龕手鏡	遼·行均	高麗版景遼刻本(北京中華)
10.	Longkan Shuojian	龍龕手鑑	遼·行均	四部叢刊續編本 (景印江安傅氏雙鑑樓藏宋刊本)
11.	Yupian	玉篇	南朝梁·顧野王原編、宋·陳彭年等新編	四部叢刊正編本 (借印建德周氏藏元刊本)(國字整理小組)
12.	Jiyun	集韻	宋·丁度等	上海圖書館藏述古堂景宋鈔本(學海)
13.	Leipian	類篇	宋·司馬光等	光緒丙子姚覲元重刊三韻本(北京中華)
14.	Sisheng Pianhai	四聲篇海	金·韓道昭、韓孝彥	明成化丁亥 3 年至庚寅 6 年金臺大隆福寺集賢刊本(國圖善本)
15.	Zixue Sanzheng	字學三正	明·郭一經	明萬曆辛丑 29 年山東曹縣公署知縣成伯龍刊本(國圖善本)
16.	Zihui	字彙	明·梅膺祚	明萬曆乙卯 43 年江東梅氏原刊本(國圖善本)
17.	Zhengzitong	正字通	明·張自烈	清康熙戊午 17 年劉炳刊正本(臺大善本)

18.	Zihuibu	字彙補	清·吳任臣	清康熙5年蒲陽刊 本(國圖善本)
19.	Jindian Wenzhi Bianzhengshu	經典文字辨證書	清·畢沅	經訓堂叢書(百部叢 書)(藝文)
20.	Zengguang Zixue Juyu	增廣字學舉隅	清·鐵珊	清同治甲戌13年蘭州郡 署開雕(天一出版社)
21.	Huiyin Baojian	彙音寶鑑	民國·沈富進	-
22.	Yitizi Shouce	異體字手冊	大陸·林瑞生	-
23.	Buddhism Nanzi Dictionary	佛教難字字典	民國·李琳華	-
24.	Zhonghua Zihai	中華字海	大陸·中華書局印行	-
25.	Guwen Sishengyun	古文四聲韻	宋·夏竦等	碧琳瑯館叢書甲部(乾 隆己亥汪啟淑據西陵宋 氏汲古閣景本鈔本)
26.	Chongding Zhiyinpian	重訂直音篇	明·章黼著、 吳道長訂	景印明萬曆三十四年明 德書院刻本(國圖善本)
27.	Xinjia Jiujin Ziyang	新加九經字樣	唐·唐玄度	後知不足齋叢書 (叢書集成新編本) (新文豐)
28.	Chemical Nomenclature: 4th Edition	化學命名原則 (第四版)	Taipei City: National Compilation Librarian), 2009,	ISBN 978-986-02-0826-9

(end of document)

ISO/IEC JTC 1/SC 2/WG 2/IRG

PROPOSAL SUMMARY FORM TO ACCOMPANY SUBMISSIONS

FOR ADDITIONS OF CJK UNIFIED IDEOGRAPHS TO THE REPERTOIRE OF ISO/IEC 10646

Please fill in all the sections below.

Please read Principles and Procedures Document (P & P) from <http://appsrv.cse.cuhk.edu.hk/~irg/irg31/IRGN1562.pdf>

for guidelines and details before filling in this form.

Please ensure you are using the latest Form from <http://appsrv.cse.cuhk.edu.hk/~irg/SubmissionForm.pdf>.

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

A. Administrative

1. IRG Project Code:	Extension- IRG Working Set 2017	
2. Title:	TCA's Submission for CJK-2017	
3. Requester's region/country name:	TCA	
4. Requester type (National Body/Individual contribution):	Liaison member	
5. Submission date:	2018/03/16	
6. Requested Ideograph Type (Unified or Compatibility Ideographs)	Unified Ideographs	
If Compatibility, does requester have the intention to register them as IVS (See UTS #37) with the IRG's approval? (Registration fee will not be charged if authorized by the IRG.)		No
7. Request Type (Normal Request or Urgently Needed)	Normal Request	
8. Choose one of the following:		
This is a complete proposal:		
(or) More information will be provided later:	✓ (IDS)	

B. Technical – General

1. Number of ideographs in the proposal:	871
2. Glyph format of the proposed ideographs: (128x128 “bmp” files or TrueType font file)	128 × 128 bmp files
If ‘bmp’ files, their file names are the same as their Source IDs?	yes
If TrueType font, all proposed glyphs are put into BMP PUA area?	
If TrueType font, data for Source IDs vs. character codes are provided?	
3. Source IDs:	
Do all the proposed ideographs have a unique, proper Source ID (country/region code and less than 9 alphanumeric characters)?	yes

4. Evidence:	
a. Do all the proposed ideographs have the 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)	Excel

C. Technical - Checklist

Understandings of the Unification Checklist	
1. Has the requester read ISO/IEC 10646 Annex S and did the requester understand the unification policy?	yes
2. Has the requester read the “Unifiable Calligraphic Variations” (contact IRG technical editor through the Rapporteur for the latest one) and did the requester understand the unifiable variation examples?	yes
3. Has the requester read this P&P document and did the requester understand the 5% rule?	yes
Character-Glyph Checklist (http://www.itscj.ipsj.or.jp/sc2/open/pow.htm contains all the published ones and those under ballot)	Duplication
4. Has the requester checked that any of the proposed ideographs is <i>not unifiable</i> with the unified or compatibility ideographs of ISO/IEC 10646?	yes
If yes, which version of ISO/IEC 10646 did requester check?	10646:2015
5. Has the requester checked that any of the proposed ideographs is <i>not unifiable</i> with the ideographs in Amendments of current ISO/IEC 10646? (As of 2009, Amendment 1, 4, 5, 6 and 8 have CJK ideographs.)	yes
If yes, which amendments did requester check?	10646:2015
6. Has the requester checked that any of the proposed ideographs is <i>not unifiable</i> with the ideographs in the current IRG working sets or proposed amendments of ISO/IEC 10646? (As of 2009, PDAM 6 and PDAM 8 have CJK ideographs.)	yes
If yes, which draft amendments did requester check?	CJK-2015
7. Has the requester checked that any of the proposed ideographs is <i>not unifiable</i> with the ideographs in the current working M-set and D-set of the IRG? (Contact IRG chief editor and technical editor through the IRG Rapporteur for the newest list)	yes
If yes, which document did requester check?	CJK 2015
8. Has the requester checked that any of the proposed ideographs is <i>not unifiable</i> with the over-unified or mis-unified ideographs in ISO/IEC 10646? (Check Annex E of this document).	no

9. Has the requester checked that any of the proposed ideographs <i>has similar ideograph(s)</i> with the ideographs in the current standardized or working set mentioned above?	yes
10. Has the requester checked that any of the proposed ideographs <i>has variant ideograph(s)</i> with the ideographs in the current standardized or working set mentioned above?	yes
Attribute Data Checklist	
11. Do all the proposed ideographs have attribute data such as the KangXi radical code, stroke count and first stroke?	yes
12. Are there any simplified ideographs (ideographs that are based on the policy described in 簡化字總表) in the proposed ideographs?	no
If YES, does your proposal include proper simplified/traditional indication flag for each proposed ideograph in attribute data?	
13. Do all the proposed ideographs have the document page number of evidence documents in attribute data?	yes (within excel files)
14. Do all the proposed ideographs have the proper Ideographic Description Sequence (IDS) in attribute data?	yes(within excel files)
If NO, how many proposed ideographs do not have the IDS?	
15. 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.

Appendix4:

IRGN2231R_TCA_CJK_2017_ CJK Supplementary Components for IDS Use

The new ideographs that TCA proposed for IRG WS2017 submissions are mostly variants, and they are used as name or publishing.

Some characters have a longer number of IDS lines. The reasons are: 1. The number of strokes is large. 2. The current IDS DATA does not include related parts. 3. The parts are special and uncommon. It is not necessary to add single case variations to the IDS. If necessary, TCA will add more.

Based on the IRGN2225, TCA propose supplementary components as list below :

1. FS = 1 (FS Code = H)

IDS code	Glyph	Description
H3-05	𠂇	CJK COMPONENT 4E32 VARIANT ONE Example: bottom of 奉/ 舉 top of 洩/ 澍(T13-337A)
H4-03	𠂈	CJK COMPONENT Example: top of 蔽(T13-3D23)/ 蔚(T13-3D25)/ 蔽(T13-3A44)
H5-03	𠂉 𠂊	CJK COMPONENT Example: top of 喪/ 穉(T13-3A37)/ 蘆(T13-3B64)/ 禱(T13-3978)/
H6-05	𠂋 𠂌 𠂍	CJK COMPONENT 96E8 VARIANT ONE Example: top of 霄(T13-3C71)/ 霞(T13-3C74)/ 濬(T13-3C75)/ 演(T13-355E)/ 瓊(T13-3855)/
H6-06	𠂎	CJK COMPONENT Example: bottom of 環(T13-383F)
H6-07	𠂏	CJK COMPONENT Example: top of 衆/ 歡/ 濬/ 觀/ 睿(T13-3932)/ 璘(T13-3852)
H6-09	𠂐	CJK COMPONENT 864D VARIANT ONE Example: top of 康(T13-3236)/ 澗(T13-3567)/ 獻(T13-3824)/

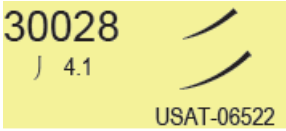
H6-10	𠩺	CJK COMPONENT 864D VARIANT TWO Example: top of 𠩺(T13-3821)/ 𠩺(T13-3822)/ 𠩺(T13-3827)
H7-02	𠩺	CJK COMPONENT BEAST BODY FOUR Example: bottom of 𠩺(T13-3667)/ 𠩺(T13-366A)/ 𠩺(T13-3672)
H10-01	𠩺	CJK COMPONENT DANCE Example: bottom of 𠩺(T13-367C)

2. FS = 2 (FS Code = S)

IDS Code	Glyph	Description
S2-01	new 丨	CJK COMPONENT C-SIMPLIFIED MOUND Example: left of 帥 / 归 = CDP-8968 Middle of 禮(T13-3A26)
S4-05	𠩺	CJK COMPONENT HU Example: outside of 𠩺/ 濬(T13-362E)
S5-04	𠩺	CJK COMPONENT 5154 VARIANT ONE Example: bottom of 免/ 莧(T13-3B55)
S5-06	𠩺	CJK COMPONENT Example: 𠩺(T13-3B3F)
S5-07	𠩺	CJK COMPONENT WATER Example: left of 𠩺(T13-3239)/ 𠩺(T13-3429)/ 𠩺(T13-3571)/ 𠩺(T13-364A)
S5-08	𠩺	CJK COMPONENT Example: 𠩺(T13-3850)
S6-01	𠩺	CJK COMPONENT Example: 𠩺(T13-3B4B)
S7-05	𠩺	CJK COMPONENT BEAST HEAD THREE Example: 𠩺(T13-3B4C)

S7-06	𠃉	CJK COMPONENT BEAST HEAD FOUR Example: top of 𧈧/ 𧈩 (T13-3676)
S7-07	𠃊	CJK COMPONENT Example: bottom of 南/南/滄/鐵/ 𧈩 (T13-3821)
S13-01	墨	CJK COMPONENT Example: 𧈩 (T13-3C51)

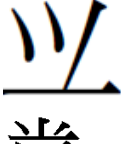





3. FS = 3 (FS Code = P)

IDS Code	Glyph	Description
P2-03	㇇	CJK COMPONENT Example: 𧈩 (T13-3877)/ 𧈩 (T13-3B4B) 
P3-06	𠃋 𠃌	CJK COMPONENT 6C0F VARIANT ONE Example: bottom of 𧈩 (T13-3752)
P4-08	㇈ ㇉	CJK COMPONENT FLAT Example: right of ㇈/ ㇉/ ㇈ or top of 璠 (T13-383D)
P4-09	𠃍	CJK COMPONENT 79C1 VARIANT ONE Example: right of 𧈩/ 𧈩 (T13-395E)/ 𧈩 (T13-3A2A)
P5-03	𠃎	CJK COMPONENT Example: 璠 (T13-382C)/ 𧈩 (T13-3A38)/ 瀉 (T13-3558)
P5-04	𠃏 𠃐	CJK COMPONENT Example: right of 璠/ 𧈩/ 𧈩/ 𧈩 or top of 𧈩/ 璠 (T13-384A)/ 𧈩 (T13-3B69)/ 𧈩 (T13-3B70)




P6-04	血	CJK COMPONENT EYE Example: top of 𩇛(T13-392E)/ 𩇛(T13-3934)/ 煨(T13-372C)/ 瓊(T13-3849)/
P6-05	尔	CJK COMPONENT Example: top of 𩇛(T13-3664)/ 𩇛(T13-3923)
P7-05	𩇛	CJK COMPONENT 5950 PART VARIANT ONE Example: top of 𩇛/ 𩇛/ 𩇛(T13-3543)/ 𩇛(T13-366D)/ 煨(T13-3734)/ 煨(T13-373F)/ 瓊(T13-384D)/ 瓊(T13-3856)/ 瓊(T13-3857)
P8-04	𩇛	CJK COMPONENT Example: left of 𩇛(T13-3D26) (IRGN2269EisoReview, p21.)
P8-05	𩇛	CJK COMPONENT 7533 VARIANT ONE Example: bottom of 𩇛/ 𩇛/ 𩇛/ 𩇛(T13-3B48) or right of 𩇛(T13-3B49) (=CDP-99E5)



4. FS = 4 (FS Code = D)

IDS Code	Glyph	Description
D3-01	𩇛	CJK COMPONENT Example: 𩇛(T13-335A)/ 𩇛(T13-3539)/ 𩇛(T13-3963)/ 𩇛(T13-3A78)/ 𩇛(T13-3A79)/ 𩇛(T13-3B61)/ 𩇛(T13-3C4B)
D3-02	𩇛	CJK COMPONENT Example: top of 𩇛(T13-3630)/ 𩇛(T13-365C)/ 𩇛(T13-365E)/ 𩇛(T13-3660)/ 𩇛(T13-3630)

D4-04		CJK COMPONENT Example: top of 獲(T13-377B)/ 鑛(T13-397C) or bottom of 老(T13-3B3E)
D5-04		CJK COMPONENT Example: bottom of 焚(2EA36)/ 冥(T13-3A58) or middle of 燄
D6-04		CJK COMPONENT Example: top of 灑(T13-353F)/ 灑(T13-3749)
D7-04		CJK COMPONENT Example: right of 從/ 徙(2DA92)/ 疑(2DF05)/ 縱(2E215)/ 踈(2E6D9)/ 駢(T13-3C7D)/ 凝(T13-3633)/ 礎(T13-395C)
D11-01		CJK COMPONENT Example: left of 樓(T13-3D22)
D14-01		CJK COMPONENT 6F22 VARIANT ONE Example: right of 漢(T13-362A)

5. FS = 5 (FS Code = Z)

IDS Code	Glyph	Description
Z2-06		CJK COMPONENT Example: top of 叕/ 込(T13-3C36)
Z2-07		CJK COMPONENT Example: bottom of 之/ 沒(T13-3246)/ 凝(T13-3634)/ 空
Z6-01		CJK COMPONENT 7FBD VARIANT ONE Example: top of 冫(T13-3B3B)/ 冫(T13-3B3C)/ 冫(T13-3B3D)

Z8-01		<p>CJK COMPONENT 7533 VARIANT TWO</p> <p>Example: right of 裊 (T13-396B)</p>
Z10-01		<p>CJK COMPONENT</p> <p>Example: bottom of 𪛗 (T13-386A)</p>