Universal Multiple‑Octet Coded Character Set
UCS

Source:	China
Ahthor:	CAI Lei, Tao Yang
Title:	Proposal of China's horizontal extension for technical used characters
Meeting:	WG2#69, Takamatsu, Japan
Status:	Member's submission
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1. Introduction

China National Committee for Terms in Sciences and Technologies （CNCTST） delivered a request for adding 20 characters using in technical literatures to G-source. Checking by Chinese Characters Repertoire, these characters could be included by horizontal extension. The evidences are shown in the PDFs attached.

This document was proposed to IRG#53 in Shenzhen, China, 2019-10. It was approved by IRG with IRG Recommendation M53.7.

Three sources of the encoded characters should be changed:

U+943D 鐽, change GE-443C to GKJ-00181;

U+925D 鉝, change GE-415E to GKJ-00183;

U+946A 鑪, change GE-4351 to GKJ-00184.

2. Proposed Horizontal Extension

UCS Code	G-source Reference	Glyphs	kRSUnicode	Radical Form	Other References	ISO/IEC 10646
U+2ACA8	GKJ-00063	棇	75.8	木	JK	2ACA8 木 75.8 棇 JK-65260
U+25BBE	GKJ-00064	簆	118.8	竹	UCS TF	25BBE 竹 118.8 簆 UCS2003 簆 TF-4A76

U+23E38	GKJ-00075	添	85.9	水	UCS TF	23E38 水 85.9 / 添 UCS2003 / 添 TF-3C4E
U+2D7B9	GKJ-00097	懼	61.12	心	JMJ	2D7B9 心 61.12 / 懼 JMJ-057526
U+2B790	GKJ-00100	權	75.12	木	JH	2B790 木 75.12 / 權 JH-IB0716
U+2D156	GKJ-00102	匡	22.3	匚	USAT	2D156 匚 22.3 / 匡 USAT-60036
U+29BA9	GKJ-00103	鬢	190.10	髟	UCS TF	29BA9 髟 190.10 / 鬢 UCS2003 / 鬢 TF-6728
U+29BED	GKJ-00104	鬢	190.14	髟	UCS T4	29BED 髟 190.14 / 鬢 UCS2003 / 鬢 T4-6C42
U+3917	GKJ-00105	泰	61.5	心	TF JA4	3917 心 61.5 / 泰 TF-2A3E / 泰 JA4-2C46
U+2D654	GKJ-00107	庋	53.4	广	JMJ	2D654 广 53.4 / 庋 JMJ-059553
U+25677	GKJ-00108	補	113.7	示	UCS T6	25677 示 113.7 / 補 UCS2003 / 補 T6-4C36
U+2B7D2	GKJ-00112	葉	140.9	艸	JH UTC	2B7D2 艸 140.9 / 葉 JH-JTB9D9 / 葉 UTC-00871
U+2B25C	GKJ-00117	蕡	140.11	艸	JK	2B25C 艸 140.11 / 蕡 JK-65620

U+2DA03	GKJ-00118	曝	72.14	日	USAT
U+250AD	GKJ-00165	鹽	108.12	皿	UCS TF
U+2E2AC	GKJ-00174	羪	123.8	羊	KC
U+2897E	GKJ-00176	鉙	167.5	金	UCS TF H
U+28A0F	GKJ-00180	鈹	167.8	金	UCS TF H
U+943D	GKJ-00181	鐽	167.12	金	GE HB2 T2 J1 K2
U+289C0	GKJ-00182	鉆	167.7	金	UCS H
U+925D	GKJ-00183	鉝	167.5	金	GE H T3 J1
U+946A	GKJ-00184	鑪	167.16	金	GE T1 J0 HB1 K1
U+28B4E	GKJ-00185	鐿	167.13	金	UCS TF H

ISO/IEC JTC 1/SC 2/WG 2
PROPOSAL SUMMARY FORM TO ACCOMPANY SUBMISSIONS
FOR ADDITIONS TO THE REPERTOIRE OF ISO/IEC 10646[1]
Please fill all the sections A, B and C below.

Please read Principles and Procedures Document (P & P) from http://www.dkuug.dk/JTC1/SC2/WG2/docs/principles.html **for guidelines and details before filling this form.**
Please ensure you are using the latest Form from http://www.dkuug.dk/JTC1/SC2/WG2/docs/summaryform.html**.**
See also http://www.dkuug.dk/JTC1/SC2/WG2/docs/roadmaps.html **for latest *Roadmaps*.**

A. Administrative

1. **Title:**	*Proposal of China's horizontal extension for technical used characters*
2. Requester's name:	*China*
3. Requester type (Member body/Liaison/Individual contribution):	*Member body*
4. Submission date:	*2020-02-10*
5. Requester's reference (if applicable):	
6. Choose one of the following:	
This is a complete proposal:	*Yes*
(or) More information will be provided later:	

B. Technical – General

1. Choose one of the following:
   - a. This proposal is for a new script (set of characters):   *No*
   - Proposed name of script:
   - b. The proposal is for addition of character(s) to an existing block: *Yes*
   - Name of the existing block: *CJK Unified Ideographs*

2. Number of characters in proposal: *20*

3. Proposed category (select one from below - see section 2.2 of P&P document):

A-Contemporary **Y**	B.1-Specialized (small collection)	B.2-Specialized (large collection)
C-Major extinct	D-Attested extinct	E-Minor extinct
F-Archaic Hieroglyphic or Ideographic		G-Obscure or questionable usage symbols

4. Is a repertoire including character names provided?   *Yes*
   - a. If YES, are the names in accordance with the "character naming guidelines" in Annex L of P&P document?   *Yes*
   - b. Are the character shapes attached in a legible form suitable for review?   *Yes*

5. Fonts related:
   - a. Who will provide the appropriate computerized font to the Project Editor of 10646 for publishing the standard?
     TAO Yang, classicaltony@126.com
   - b. Identify the party granting a license for use of the font by the editors (include address, e-mail, ftp-site, etc.):
     TAO Yang, classicaltony@126.com

6. References:
   - a. Are references (to other character sets, dictionaries, descriptive texts etc.) provided?   *Yes*
   - b. Are published examples of use (such as samples from newspapers, magazines, or other sources) of proposed characters attached?   *Yes*

7. Special encoding issues:
   - Does the proposal address other aspects of character data processing (if applicable) such as input, presentation, sorting, searching, indexing, transliteration etc. (if yes please enclose information)?   *No*

8. Additional Information:

Submitters are invited to provide any additional information about Properties of the proposed Character(s) or Script that will assist in correct understanding of and correct linguistic processing of the proposed character(s) or script. Examples of such properties are: Casing information, Numeric information, Currency information, Display behaviour information such as line breaks, widths etc., Combining behaviour, Spacing behaviour, Directional behaviour, Default Collation behaviour, relevance in Mark Up contexts, Compatibility equivalence and other Unicode normalization related information. See the Unicode standard at http://www.unicode.org for such information on other scripts. Also see Unicode Character Database (http://www.unicode.org/reports/tr44/) and associated Unicode Technical Reports for information needed for consideration by the Unicode Technical Committee for inclusion in the Unicode Standard.

C. Technical - Justification

1. Has this proposal for addition of character(s) been submitted before? *NO*

   If YES explain

2. Has contact been made to members of the user community (for example: National Body,

   user groups of the script or characters, other experts, etc.)? *Yes*

   If YES, with whom? *China National Committee for Terms in Sciences and Technologies, Chinese Characters Repertoire*

   If YES, available relevant documents: *Science and Technology Presses in Mainland China published dictionaries*

3. Information on the user community for the proposed characters (for example:

   size, demographics, information technology use, or publishing use) is included? *Yes*

   Reference: *See proposal*

4. The context of use for the proposed characters (type of use; common or rare) *Yes*

   Reference: *Common*

5. Are the proposed characters in current use by the user community? *Yes*

   If YES, where?   Reference: *Traditional Chinese Medicine, Chemistry*

6. After giving due considerations to the principles in the P&P document must the proposed characters be entirely

   in the BMP? *Yes*

   If YES, is a rationale provided? *Yes*

   If YES, reference: *To keep them in URO+, or Ext. B*

7. Should the proposed characters be kept together in a contiguous range (rather than being scattered)? *No*

8. Can any of the proposed characters be considered a presentation form of an existing

   character or character sequence? *No*

   If YES, is a rationale for its inclusion provided?

   If YES, reference:

9. Can any of the proposed characters be encoded using a composed character sequence of either

   existing characters or other proposed characters? *No*

   If YES, is a rationale for its inclusion provided?

   If YES, reference:

10. Can any of the proposed character(s) be considered to be similar (in appearance or function)

    to, or could be confused with, an existing character? *No*

    If YES, is a rationale for its inclusion provided?

    If YES, reference:

11. Does the proposal include use of combining characters and/or use of composite sequences? *No*

    If YES, is a rationale for such use provided?

    If YES, reference:

    Is a list of composite sequences and their corresponding glyph images (graphic symbols) provided?

    If YES, reference:

12. Does the proposal contain characters with any special properties such as

    control function or similar semantics? *No*

    If YES, describe in detail (include attachment if necessary)

13. Does the proposal contain any Ideographic compatibility characters? *No*

    If YES, are the equivalent corresponding unified ideographic characters identified?

    If YES, reference:

Proposal of China's horizontal extension for technical used characters