

Universal Multiple-Octet Coded Character Set  
International Organization for Standardization  
Organisation Internationale de Normalisation  
Международная организация по стандартизации

**Doc Type:** Working Group Document  
**Title:** Proposal to encode 114 Tangut components  
**Source:** Andrew West  
**Status:** Individual Contribution  
**Action:** For consideration by JTC1/SC2/WG2 and UTC  
**Date:** 2023-05-31

## 1. Introduction

This document proposes to encode 114 Tangut components that are used for character indexing purposes in the recently-published dictionary of Tangut words, *Xīxiàwén Cídiǎn* (*shìsú wénxiàn bùfēn*) 西夏文词典（世俗文献部分） (Beijing: Zhongguo Shehui kexue chubanshe, 2021), compiled by Hán Xiǎománg 韩小忙. This is an immense nine-volume dictionary of secular Tangut vocabulary (i.e. not covering Buddhist literature, which is anticipated to be covered in a future dictionary), with entries for 6,150 Tangut characters (including 263 variant forms) spanning some 4,872 pages. This is the most important contribution to Tangut lexicography in a generation, and there is no doubt that it will remain the standard reference work for secular Tangut vocabulary for many years to come.

The final volume of the dictionary provides indices and appendices, including two separate Tangut character indices using radical and stroke-count lookup. The first radical index (vol. 9 pp. 2–94) is a radical index based on the left side or top part of a Tangut character, as is normal for Tangut dictionaries compiled in China, and comprises 444 primary radicals numbered LR1 through LR444, and 29 supplementary radicals numbered LR+1 through LR+29. All but ten of these 473 radicals are already encoded as Tangut components, and two of the ten unencoded radicals are alternative forms of encoded components where the alternative form (given in parentheses below) is only used to classify its own corresponding ideograph:

- LR364: 𐰇 (𐰇) where the parenthetical form only indexes U+186D6 𐰇
- LR419: 𐰇 (𐰇) where the parenthetical form only indexes U+187A4 𐰇

According to the principles adopted for encoding Tangut components, radicals that are only used to classify their own corresponding ideograph are not encoded separately (see WG2 N4636 = L2/14-228 *Proposal to encode Tangut radicals in the UCS* p. 5 point D). Therefore the two alternative form radicals shown above are not proposed for encoding.

The second radical index (vol. 9 pp. 95–196) is a radical index based on the right side or bottom part of a Tangut character, as is normal for Tangut dictionaries compiled in Russia (e.g. Kychanov’s 2006 Tangut dictionary), and comprises 492 radicals numbered RR1 through RR492. 243 components are used as both left-side and right-side radicals, and 149 of the remaining right-side components are already encoded. This leaves 100 unencoded right-side components, as well as six unencoded alternative forms of encoded components. 41 of these 106 unencoded right-side components correspond to encoded ideographs, but the component is presented in different proportions (i.e. narrower) compared with the corresponding ideograph (e.g. RR479 𗨋 compared with U+17C1E 𗨋). In the original proposal to encode Tangut components (WG2 N4636 = L2/14-228), radicals which corresponded to ideographs were not excluded from separate encoding if they occurred as a radical for multiple characters, so on that basis, the 41 radicals corresponding to ideographs in Hán Xiǎománg’s dictionary are included in this proposal.

Additionally, the following six radicals in the dictionary are unifiable with existing encoded components, so are not proposed for encoding:

- LR179 𗨐 = Component 326 𗨐 (𗨐)
- LR195 𗨑 = Component 345 𗨑 (𗨑)
- LR385 𗨒 = Component 657 𗨒 (𗨒)
- LR403/RR428 𗨓 = Component 691 𗨓 (𗨓 𗨔 𗨕 𗨖 𗨗 𗨘 𗨙 𗨚 𗨛 𗨜 𗨝 𗨞 𗨟 𗨠 𗨡 𗨢 𗨣)
- LR411/RR442 𗨔 = Component 702 𗨔 (𗨔)
- RR61 𗨕 = Component 124 𗨕 (𗨕)

## 2. *Proposed characters*

In total, 114 Tangut components are proposed for encoding, as listed in Table 1. Assuming that the component numbering continues after U+18AFF TANGUT COMPONENT-768, the proposed characters would be named TANGUT COMPONENT-769 through TANGUT COMPONENT-882. However, the two components proposed in WG2 N5217 could be inserted before, after, or within this sequence.

The Tangut Components block (18800..18AFF) is completely full. Therefore the 114 Tangut components proposed in this document, and the two Tangut components proposed in N5217, will need to be allocated in a new Tangut Components Supplement block, with a recommended block size of 128 code points.

In the table below, the proposed glyph form of the radical is based on the code chart form of ideographs classified under this radical, and where the actual glyph form shown in Hán Xiǎománg’s dictionary not exactly the same the dictionary form is given in parentheses. An example ideograph is given for each radical, and where this is a unifiable variant of an encoded character the corresponding encoded character form is given in parentheses. The seven radicals marked with an asterisk consist of a primary and secondary radical forms, and the proposed character is an unencoded secondary radical form (e.g. RR128 is listed in the dictionary as 𗨔 ( 𗨕 ) where 𗨔 is Component 250, and 𗨕 is not encoded).

**Table 1: Proposed Tangut Components**

| No. | Radical        | Strokes | Glyph | Example Ideograph | Ideograph | Note |
|-----|----------------|---------|-------|-------------------|-----------|------|
| 769 | RR3            | 1       | \     | 关                 |           |      |
| 770 | RR4            | 1       | 、     | 纒                 |           |      |
| 771 | RR14           | 2       | 𠄎 (𠄎) | 𠄎, 𠄎 (𠄎)          |           | 1    |
| 772 | RR34           | 3       | 𠄎     | 𠄎                 |           |      |
| 773 | RR53           | 4       | 𠄎     | 𠄎                 |           |      |
| 774 | RR73           | 4       | 𠄎 (𠄎) | 𠄎                 |           |      |
| 775 | RR81           | 4       | 𠄎     | 𠄎                 |           |      |
| 776 | RR102          | 5       | 𠄎     | 𠄎                 |           |      |
| 777 | RR128*         | 5       | 𠄎     | 𠄎 (𠄎)             |           |      |
| 778 | RR138          | 5       | 𠄎 (𠄎) | 𠄎                 |           |      |
| 779 | RR154          | 5       | 𠄎     | 𠄎                 |           |      |
| 780 | RR160          | 5       | 𠄎     | 𠄎                 |           |      |
| 781 | LR177          | 5       | 𠄎 (𠄎) | 𠄎, 𠄎              |           | 2    |
| 782 | LR190<br>RR185 | 5       | 𠄎     | 𠄎 (𠄎), 𠄎 (𠄎)      |           | 3    |

<sup>1</sup> RR14 𠄎 occurs in the two semantically-related characters U+17121 𠄎 *kjɨ*<sup>2</sup> ‘scorched’ and U+17C51 𠄎 *tʃjw*<sup>2</sup> ‘burnt’. It looks like a cosmetic variant of Component 34 𠄎, but it is consistently written as 𠄎 in *Homophones* and *Synonyms*, and so should actually be a distinct component. The code chart glyphs for U+17121 and U+17C51 should be corrected to show this component.

<sup>2</sup> LR177 𠄎 is used both as the unencoded head component in the ideographs 𠄎 and 𠄎, and also as a left-side component corresponding to Component 323 𠄎 in the ideographs 𠄎 and 𠄎 (in this usage it is the same as RR176 which corresponds to the right side of ideographs such as 𠄎 and 𠄎).

<sup>3</sup> LR190/RR185 𠄎 (with a dot) contrasts with LR105 𠄎 (without a dot) which is encoded as Component 198, and indexes U+17D0C 𠄎 in Hán Xiǎománg’s dictionary. In Lǐ Fànwén’s 2008 Tangut dictionary, which was the main source for the encoded Tangut repertoire, U+17D0B 𠄎 and U+180DF 𠄎 are both written with the dotless component, which are the forms inherited in the code charts. In 2014, we discussed the correct glyph forms for these and other related characters (see N4588R2 = L2/14-209R *Tangut glyph corrections* section 4.1 on pp. 82–83), but did not reach a conclusion. As the dotted forms of U+17D0B 𠄎 and U+180DF 𠄎 used in Hán Xiǎománg’s dictionary match the glyph forms shown in *Homophones*, it is reasonable to now update the code chart glyphs for these two characters to use the dotted form of the component.

| No. | Radical        | Strokes | Glyph | Example Ideograph | Ideograph | Note |
|-----|----------------|---------|-------|-------------------|-----------|------|
| 783 | RR189          | 5       | 彖     | 彖                 | U+1724C 彖 |      |
| 784 | RR191          | 5       | 爻     | 𪚗                 |           |      |
| 785 | RR193          | 6       | 𪚗     | 𪚗                 |           |      |
| 786 | RR198          | 6       | 𪚗     | 𪚗                 |           |      |
| 787 | RR204          | 6       | 𪚗     | 𪚗                 | U+17000 𪚗 |      |
| 788 | LR210          | 6       | 𪚗     | 𪚗                 |           |      |
| 789 | RR226*         | 6       | 𪚗     | 𪚗                 |           |      |
| 790 | LR231          | 6       | 𪚗     | 𪚗(𪚗)              |           |      |
| 791 | RR248          | 6       | 𪚗     | 𪚗                 |           |      |
| 792 | RR256          | 6       | 𪚗     | 𪚗                 |           |      |
| 793 | RR261          | 6       | 𪚗     | 𪚗                 |           |      |
| 794 | RR264          | 6       | 𪚗     | 𪚗                 |           |      |
| 795 | RR265          | 6       | 𪚗     | 𪚗                 |           |      |
| 796 | LR274<br>RR271 | 6       | 𪚗     | 𪚗(𪚗), 𪚗           |           | 4    |
| 797 | RR274*         | 7       | 𪚗     | 𪚗                 |           |      |
| 798 | RR275          | 7       | 𪚗(𪚗)  | 𪚗                 | U+17100 𪚗 |      |
| 799 | RR276          | 7       | 𪚗     | 𪚗                 | U+17684 𪚗 |      |
| 800 | RR284          | 7       | 𪚗     | 𪚗                 |           |      |
| 801 | RR294          | 7       | 𪚗     | 𪚗                 |           |      |
| 802 | RR295          | 7       | 𪚗(𪚗)  | 𪚗                 | U+171CA 𪚗 |      |
| 803 | RR296          | 7       | 𪚗     | 𪚗                 |           |      |
| 804 | RR306          | 7       | 𪚗(𪚗)  | 𪚗                 |           |      |

<sup>4</sup> RR187 has the same glyph as LR274/RR271 𪚗 (two dots), but is counted as five strokes. I suspect that the glyph for RR187 is a mistake for Component 343 𪚗 (only one dot), which is the expected component for the characters indexed under RR187.

| No. | Radical | Strokes | Glyph   | Example Ideograph | Ideograph | Note |
|-----|---------|---------|---------|-------------------|-----------|------|
| 805 | RR320   | 7       | 𠄎       | 𠄎                 |           |      |
| 806 | RR321*  | 7       | 𠄏       | 𠄏                 | U+185EA 𠄏 |      |
| 807 | RR323   | 7       | 𠄑 ( 𠄑 ) | 𠄑                 |           |      |
| 808 | RR324   | 7       | 𠄒       | 𠄒                 |           |      |
| 809 | RR326   | 7       | 𠄔 ( 𠄔 ) | 𠄔                 |           |      |
| 810 | RR332   | 7       | 𠄕       | 𠄕                 |           |      |
| 811 | RR337*  | 7       | 𠄖       | 𠄖                 |           |      |
| 812 | RR340   | 7       | 𠄗       | 𠄗                 |           |      |
| 813 | RR341   | 7       | 𠄘       | 𠄘                 |           |      |
| 814 | RR347   | 8       | 𠄙       | 𠄙                 |           |      |
| 815 | RR348   | 8       | 𠄚       | 𠄚                 |           |      |
| 816 | RR349   | 8       | 𠄛       | 𠄛                 |           |      |
| 817 | RR353   | 8       | 𠄜       | 𠄜                 |           |      |
| 818 | RR354   | 8       | 𠄝       | 𠄝                 |           |      |
| 819 | RR355   | 8       | 𠄞       | 𠄞 ( 𠄞 )           |           |      |
| 820 | RR356   | 8       | 𠄟       | 𠄟                 |           |      |
| 821 | RR362   | 8       | 𠄠       | 𠄠                 | U+1713C 𠄠 |      |
| 822 | RR365   | 8       | 𠄡 ( 𠄡 ) | 𠄡                 | U+1740C 𠄡 |      |
| 823 | RR366   | 8       | 𠄢 ( 𠄢 ) | 𠄢                 | U+1740E 𠄢 |      |
| 824 | RR368   | 8       | 𠄣       | 𠄣                 |           |      |
| 825 | RR374   | 8       | 𠄤       | 𠄤                 |           |      |
| 826 | RR375   | 8       | 𠄥       | 𠄥                 |           |      |
| 827 | RR378   | 8       | 𠄦       | 𠄦                 |           |      |
| 828 | RR379   | 8       | 𠄧 ( 𠄧 ) | 𠄧                 |           |      |

| No. | Radical        | Strokes | Glyph   | Example Ideograph | Ideograph | Note |
|-----|----------------|---------|---------|-------------------|-----------|------|
| 829 | RR382          | 8       | 𦍋       | 樣                 | U+17430 𦍋 |      |
| 830 | RR385          | 8       | 𦍌       | 𦍌                 |           |      |
| 831 | RR386*         | 8       | 𦍍       | 𦍍                 | U+17BE6 𦍍 |      |
| 832 | RR393          | 8       | 𦍎       | 𦍎                 | U+171E1 𦍎 |      |
| 833 | RR395          | 8       | 𦍇 ( 𦍇 ) | 𦍇                 |           |      |
| 834 | RR399          | 8       | 𦍈       | 𦍈                 |           |      |
| 835 | RR401          | 8       | 𦍉 ( 𦍉 ) | 𦍉                 |           |      |
| 836 | RR408          | 9       | 𦍊       | 𦍊                 |           |      |
| 837 | RR409          | 9       | 𦍋       | 𦍋                 | U+17363 𦍋 |      |
| 838 | RR410          | 9       | 𦍌 ( 𦍌 ) | 𦍌                 |           |      |
| 839 | RR411          | 9       | 𦍍 ( 𦍍 ) | 𦍍                 |           |      |
| 840 | RR413          | 9       | 𦍎       | 𦍎                 | U+1768D 𦍎 |      |
| 841 | RR416          | 9       | 𦍇 ( 𦍇 ) | 𦍇                 | U+17861 𦍇 |      |
| 842 | RR417          | 9       | 𦍈       | 𦍈                 | U+17012 𦍈 |      |
| 843 | RR418          | 9       | 𦍉 ( 𦍉 ) | 𦍉                 | U+1714B 𦍉 |      |
| 844 | RR419          | 9       | 𦍊       | 𦍊                 | U+17160 𦍊 |      |
| 845 | RR420          | 9       | 𦍋       | 𦍋                 | U+17F08 𦍋 |      |
| 846 | RR423          | 9       | 𦍌       | 𦍌                 |           |      |
| 847 | RR425          | 9       | 𦍍       | 𦍍                 |           |      |
| 848 | RR426          | 9       | 𦍎       | 𦍎                 | U+1835E 𦍎 |      |
| 849 | RR430          | 9       | 𦍇       | 𦍇                 |           |      |
| 850 | RR431          | 9       | 𦍈       | 𦍈                 | U+1754D 𦍈 |      |
| 851 | RR432          | 9       | 𦍉       | 𦍉                 | U+1754E 𦍉 |      |
| 852 | LR407<br>RR436 | 9       | 𦍊       | 𦍊 ( 𦍊 ), 𦍊        |           |      |

| No. | Radical        | Strokes | Glyph   | Example Ideograph | Ideograph | Note |
|-----|----------------|---------|---------|-------------------|-----------|------|
| 853 | RR438          | 9       | 𦍋       | 𦍋                 |           |      |
| 854 | RR439          | 9       | 𦍌       | 𦍌                 |           |      |
| 855 | RR441          | 9       | 𦍍       | 𦍍                 | U+1818F 𦍍 |      |
| 856 | RR445          | 9       | 𦍎 ( 𦍎 ) | 𦍎                 |           |      |
| 857 | RR446          | 10      | 𦍇       | 𦍇                 |           |      |
| 858 | RR447          | 10      | 𦍈 ( 𦍈 ) | 𦍈                 | U+17D32 𦍈 |      |
| 859 | RR448          | 10      | 𦍉       | 𦍉                 | U+17690 𦍉 |      |
| 860 | RR450          | 10      | 𦍊       | 𦍊                 | U+1769A 𦍊 |      |
| 861 | RR451          | 10      | 𦍋       | 𦍋                 |           |      |
| 862 | RR457          | 10      | 𦍌       | 𦍌                 | U+187A4 𦍌 |      |
| 863 | RR458          | 10      | 𦍍       | 𦍍                 |           |      |
| 864 | RR459          | 10      | 𦍎       | 𦍎                 | U+1744C 𦍎 |      |
| 865 | RR460          | 10      | 𦍇       | 𦍇                 | U+17BE7 𦍇 |      |
| 866 | RR461          | 10      | 𦍈       | 𦍈                 |           |      |
| 867 | RR462          | 10      | 𦍉       | 𦍉                 |           |      |
| 868 | RR465          | 10      | 𦍊       | 𦍊                 |           |      |
| 869 | RR468          | 10      | 𦍋       | 𦍋                 |           |      |
| 870 | RR469          | 10      | 𦍌       | 𦍌                 | U+18672 𦍌 |      |
| 871 | RR470          | 11      | 𦍍       | 𦍍                 | U+1710A 𦍍 |      |
| 872 | LR433<br>RR476 | 11      | 𦍎       | 𦍎 ( 𦍎 ), 𦍎        |           |      |
| 873 | RR478          | 11      | 𦍇       | 𦍇                 | U+17555 𦍇 |      |
| 874 | RR479          | 11      | 𦍈       | 𦍈                 | U+17C1E 𦍈 |      |
| 875 | RR480          | 12      | 𦍉 ( 𦍉 ) | 𦍉                 | U+17F57 𦍉 |      |

| No. | Radical         | Strokes | Glyph   | Example Ideograph | Ideograph | Note |
|-----|-----------------|---------|---------|-------------------|-----------|------|
| 876 | RR487           | 12 (13) | 𦍋 ( 𦍋 ) | 𦍋                 | U+18050 𦍋 | 5    |
| 877 | RR483           | 12      | 𦍌       | 𦍌                 | U+1876A 𦍌 |      |
| 878 | RR485           | 12      | 𦍍       | 𦍍                 | U+187E3 𦍍 |      |
| 879 | LR443*<br>RR486 | 13      | 𦍎 ( 𦍎 ) | 𦍎                 | U+187E5 𦍎 |      |
| 880 | RR488           | 13      | 𦍇       | 𦍇                 | U+174B9 𦍇 |      |
| 881 | RR490           | 13      | 𦍈       | 𦍈                 | U+17C78 𦍈 |      |
| 882 | RR491           | 14      | 𦍉       | 𦍉                 | U+181D2 𦍉 |      |

<sup>5</sup> RR487 is listed under 13 strokes, and the dictionary glyph has a dot on right side (13 strokes); the three ideographs indexed under RR487 (U+18050 𦍋, U+17AC1 𦍋, and U+181CD 𦍋) also show a final dot on the right side in the dictionary entries. However, the code chart glyphs for these three ideographs are all without a final dot, which matches the glyph forms shown in primary sources such as *Homophones* and *Sea of Writing* where none of the entries show a final dot on these three ideographs. Therefore, I believe that the final dot on RR487 and three associated ideographs in Hán Xiǎománg's dictionary should be a mistake, and propose to encode the dotless form of the component (12 strokes) rather than the actual form shown in the dictionary.



3. Evidence

Xìxiàwén Cídiǎn vol. 9 p. 69: LR177 𠃉

LR177 𠃉部



𠃉 (13) V 104 1. 17 khwa

⑥410

𠃉 (16) V-20 1. 22 khwaa

⑥410

𠃉 (16) V-20 1. 22 khwaa

(𠃉之异体字) ⑥411



𠃉 (11) V 21 2. 56 ka ⑥411

𠃉 (17) IX5 2. 72 rjir ⑥412

Xìxiàwén Cídiǎn vol. 9 p. 70: LR190 𠃉

LR190 𠃉部



𠃉 (07) V-14 1. 26 kjwā ⑥491

Xìxiàwén Cídiǎn vol. 9 p. 72: LR210 𠃉

LR210 𠃉部



𠃉 (12) VI128 1. 17 sa ⑦50

LR231 𠂔部



- 𠂔 (08) Ⅱ-34 1. 23 xjwe  
(𠂔之异体字) ⑦161
- 𠂔 (14) Ⅱ-14 1. 10 xjwi  
(𠂔之异体字) ⑦161

LR274 𠂔部



- 𠂔 (10) Ⅶ22 1. 28 síǎ ⑦581
- 𠂔 (11) Ⅶ95 2. 43 dzio ⑦582
- 𠂔 (11) Ⅰ-28 1. 3 mju ⑦582
- 𠂔 (11) Ⅴ70 2. 33 gjij ⑦583
- 𠂔 (11) Ⅲ135 2. 45 noo ⑦583

LR407 𪗇 部



𪗇 (13) II-7 2.72 wjir  
(𪗇之异体字) ⑧517

𪗈 (15) II-13 2.52 wju  
(𪗈之异体字) ⑧517

LR433 𪗉 部

𪗉 (11) IX-21 1.49 lo  
(𪗉之异体字) ⑧575



𪗊 (17) VII-18 2.29 sjh  
(𪗊之异体字) ⑧575

𪗋 (19) VII-38 1.45 tshjiw  
(𪗋之异体字) ⑧575

LR443 𪗌 (𪗍) 部

𪗌 (13) I-22 2.25 bə ⑧603

𪗍 (18) I-22 2.25 bə ⑧605

RR3 ㄨ 部



𠄎 (07) IX124 2. 37 ljiǝ ③483

RR4 丩 部

※ ※ ※



𠄎 (11) IX21 1. 49 lo  
(𠄎之异体字) ⑧575

𠄎 (15) VII24 (声调不详) dzjǝ  
(𠄎之异体字) ③397



𠄎 (10) IX-? 2. 11 lee  
(𠄎之异体字) ①335

RR14 𠄎 部



𠄎 (08) V 81 2. 61 kjǝ ①204

RR34 彡部



彡 (07) IX157 2. 48 lhiow ③456

彡 (08) III147 2. 10 dji ⑥174

彡 (09) VI-78 1. 33 swej ⑦324

彡 (11) VI23 1. 54 sow ⑧343

彡 (12) V149 2. 3 khju ⑥37



彡 (11) VII-37 2. 23 dziā  
(彡之异体字) ③64

彡 (11) VII-37 2. 23 dziā ③64

RR53 彣部



彣 (09) I5 2. 68 mjijr ③302

彣 (12) I-133 1. 74 mjijr ⑧385

RR73 彡部



彡 (08) III52 2. 33 djij  
(彡之异体字) ④26

彡 (08) III52 2. 33 djij ④591

RR81 彣部



彣 (08) VIII29 1. 27 ywə ④595

RR102 彣部



彣 (09) I 61 1. 20 pja ③717

彣 (12) I 61 1. 20 pja ②37

彣 (13) I 61 1. 20 pja ②42

RR128 𠃉 (𠃉) 部



𠃉 (09) Ⅲ 66 2. 20 niaa ③390



𠃊 (07) Ⅰ 35 2. 25 phə ①213

𠃋 (07) Ⅲ -16 1. 72 njɔ ①566

𠃌 (11) Ⅲ -169 1. 69 njwɿ  
①631



𠃍 (07) Ⅲ -16 1. 72 njɔ  
(𠃋之异体字) ①565

RR138 𠃎 部



𠃎 (12) Ⅰ 3 1. 11 bji ⑧142

RR154 𠃏 部



𠃏 (09) Ⅰ 84 1. 11 pji ③259

RR160 彡部



彡 (10) VIII-97 1. 21 ·jaa ⑥308

RR185 彳部



彳 (10) VIII-93 1. 26 ·jwā ⑥256

RR189 彣部

彣 (05) I 126 2. 3 pju ①522



彣 (07) I 13 2. 25 mə ①571



彣 (12) V 191 2. 38 kew ②573



RR191 𠂔部



𠂔 (10) VI124 1. 17 tswa ④613

𠂔 (11) I 83 2. 8 bie ⑤323

𠂔 (11) I 83 2. 8 bie ⑥454

𠂔 (13) I 26 2. 3 bju ⑧219



𠂔 (13) III 78 1. 63 da ③96

RR193 𠂔部



𠂔 (10) IX57 2. 9 lji ④71

𠂔 (10) IX75 2. 30 lej ③319

𠂔 (12) IX76 1. 33 lej ⑥357

𠂔 (13) V 122 1. 30 kjì ⑧294

RR198 𠂔部



𠂔 (10) I 70 1. 39 mjiiij ④93

𠂔 (16) V 25 1. 36 khjij ⑧556

RR204 𠃉部

𠃉 (06) III 55 1.49 do ①1



𠃊 (10) III 55 1.49 do ③52



𠃋 (11) V 176 2.6 gjuu ⑥103

𠃌 (12) IX 153 (声调不详) la

⑦123

RR226 𠃍 (𠃎) 部



𠃎 (10) IX-? 1.56 ljow ④128

𠃏 (10) I -36 2.73 mar ③503

𠃐 (11) I 124 1.83 maar ③508



𠃑 (14) IX 43 2.49 lhjow ⑦501

𠃒 (15) I 124 1.83 maar

③167



𠃓 (12) V 112 1.30 khjwi

⑦475

RR248 𦉰部



𦉰 (10) V 80 2. 85 kjir ④147

𦉰 (13) V 47 2. 70 kjur ⑧234

RR256 𦉱部



𦉱 (11) VII 130 2. 12 sjwii

⑥162

𦉱 (13) VII 76 2. 61 dzjɿ ⑧44

RR261 𦉲部



𦉲 (12) IX-? 1. 69 lhjɿ ⑦314

𦉲 (14) VI-36 2. 7 -e ④445

RR264 彳部



彳 (10) Ⅲ33 2. 47 thow ④151

彳 (15) Ⅸ61 2. 47 low ④495

RR265 彳部



彳 (11) Ⅲ67 1. 67 tji ⑤436

RR271 彳部



彳 (10) Ⅲ35 2. 71 ner ③395

RR274 彳 (彳) 部



彳 (09) Ⅲ113 1. 68 tǝ ①588



彳 (11) Ⅸ34 1. 30 lhjǝ ④184

RR275 𠄎部

𠄎 (07) (声韵不详) ①181



𠄎 (11) VIII40 1. 34 yiej ③413

RR276 𠄎部

𠄎 (07) III 55 1. 49 do ③48



𠄎 (11) I 143 2. 6 mjuu ③2

𠄎 (12) IX105 2. 55 ljĭj ⑥314

RR284 𠄎部



𠄎 (11) II 31 1. 64 wja ③13

𠄎 (11) III 146 1. 11 dji ③241

𠄎 (11) I 1 2. 10 bji ③267

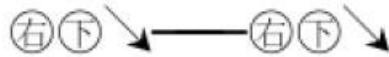
𠄎 (12) VI 7 1. 42 dzjĭj ④297

𠄎 (13) III 131 1. 3 djwu ⑦551

RR294 𧇧部



𧇧 (11) VI26 1. 11 sji ③579



𧇨 (16) VI26 1. 11 sji ③179

RR295 𧇩部

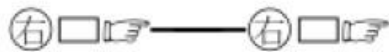
𧇩 (07) III17 2. 33 thjij ①415



𧇪 (11) III64 1. 5 duu ④220

𧇫 (13) III17 2. 33 thjij ⑦83

RR296 𧇬部



𧇭 (12) I 49 1. 1 pu ⑤324

𧇮 (12) I 49 1. 1 pu ⑥113

RR306 蓼 部



蓼 (10) V170 1.9 kiwe ②86

蓼 (10) VIII104 1.3 xju ②583

蓼 (11) VII5 1.57 síoow ②31

蓼 (12) VII-119 1.9 síwe ⑥485

RR320 𦉳 部



𦉳 (15) VII34 1.2 tsju ⑧237

RR321 𠄎 (𠄎) 部



𠄎 (09) IX8 2. 14 la

(𠄎之异体字) ①331

𠄎 (13) VI-18 2. 38 dzew ⑦61



𠄎 (07) IX62 1. 3 ljwu ⑧237



𠄎 (09) IX8 2. 14 la ①331

𠄎 (13) VI-18 2. 38 dzew

RR323 𠄎 部



𠄎 (09) IX115 1. 3 lhju ①600

RR324 𠄎 部



𠄎 (09) I 79 1. 61 mjij ①332

𠄎 (10) I 79 1. 61 mjij ②87



RR326 𦍋 部



𦍋 (16) VI137 2. 28 dzjwi

⑧481



𦍋 (20) VI137 2. 28 dzjwi

③206

RR332 𦍌 部



𦍌 (13) III 147 2. 10 dji ④374

𦍌 (15) VI3 2. 60 dzji ⑧361

𦍌 (15) VI92 2. 86 tsjiir ⑧443

RR337 𦍍 (𦍍) 部



𦍍 (13) I 145 1. 59 pju ⑦88



𦍍 (09) VII-48 2. 44 sjō ①601

RR340 𠄎部



𠄎 (15) IX48 1.49 lwo ⑧347



𠄎 (14) V-112 1.95 khjoor ②334

𠄎 (14) V-112 1.95 khjoor  
(𠄎之异体字) ②337

RR341 𠄎部



𠄎 (09) I 101 1.69 bjɿ ①602

𠄎 (12) III 20 2.42 to  
(𠄎之异体字) ④364

𠄎 (13) III 20 2.42 to ④428

𠄎 (14) VII45 1.10 tshji ⑧318

RR347 𠄎 部



𠄎 (10) VIII105 1. 66 yie ①517

𠄎 (11) IX172 2. 60 zji ②562

𠄎 (11) V 14 1. 84 ηwər ②584

RR348 𠄏 部



𠄏 (11) IX4 1. 67 lji ②503

𠄏 (13) II 45 1. 27 wə ⑤206

𠄏 (15) VII162 2. 54 dzjij

(𠄏之异体字) ⑧36

RR349 𠄐 部



𠄐 (13) VIII44 2. 74 ·jar ①129

RR353 𪗇 部



- 𪗇 (09) IX16 2. 68 rjijr  
(𪗇之异体字) ①60
- 𪗈 (12) VI13 1. 68 tsə ③467
- 𪗉 (15) I 22 2. 25 bə ⑧77

RR354 𪗊 部



- 𪗊 (10) IX-? 2. 11 lee ①335

RR355 𪗋 部



- 𪗋 (10) IX-? 2. 11 lee  
(𪗋之异体字) ①335

RR356 𣦵 部

𣦵 (08) III 68 1. 67 tji ③247



𣦶 (10) III 52 2. 33 djij ①604

𣦷 (12) VII 75 1. 92 dzjɦr ③450

𣦸 (14) V -52 2. 5 kuu ④446

𣦹 (15) VIII -109 1. 70 ·ə ⑧76



𣦺 (18) III 16 1. 36 thjij ⑦527

RR362 𣦻 部

𣦻 (08) IX -? 1. 20 lja ①228



𣦼 (12) IX 87 1. 69 ljɿ ③73

𣦽 (14) I -136 2. 33 phjij ⑦1

𣦾 (14) VI 35 1. 36 tshjij ⑦501



𣦿 (14) IX 88 1. 69 ljɿ ⑦431



𣧀 (17) VIII -26 2. 53 yiej ②386

RR365 彡部

彡 (08) II 35 1. 17 wa ②148



彣 (12) VI 5 2. 3 dzju ④308

彤 (12) III 21 1. 49 to ③561

彥 (12) I 144 2. 52 pju ①176

彥 (13) II 45 1. 27 wə ⑤207

彥 (13) VIII 78 2. 51 ·wų ⑥464

彥 (14) III 115 1. 87 dewr  
⑦278

RR366 彣部

彣 (08) I 114 1. 30 pji ②148



彣 (12) I 61 1. 20 pja ③725

RR368 彣部



彣 (12) I 121 1. 24 phā ③25

彣 (12) I 121 1. 24 phā ④317

RR374 龍部



龍 (09) III 107 1. 3 nju ②212

𪛗 (13) III 54 2. 10 nji ④398

𪛘 (13) V -135 2. 33 kjij ⑥47

𪛙 (15) II 16 1. 77 wer ⑦299

𪛚 (18) VI 101 1. 30 sjwi ⑧538



𪛛 (16) I 19 1. 51 mjo ②376

RR375 𪛜部



𪛜 (09) IX 163 1. 63 lwa ①62

𪛝 (12) VIII 25 1. 7 ·juu ④327

𪛞 (13) III 57 1. 54 dow ⑤241

RR378 𦏧部



𦏧 (13) VIII 10 1. 30 ·jì ⑥49

𦏧 (13) III 148 1. 64 njà ⑥423

𦏧 (13) III 159 2. 52 tju ⑤201

RR379 𦏨部



𦏨 (14) III 60 1. 30 njì ⑦156

RR382 𦏩部

𦏩 (08) I 35 2. 25 phə ②208



𦏩 (11) III 115 1. 87 dewr ②66

𦏩 (13) VIII 92 2. 42 ·o ⑤223

𦏩 (16) III 切韵 1. 87 tewr  
(𦏩之异体字) ⑥400

𦏩 (17) III 切韵 1. 87 tewr ⑦460



RR385 𠄎部



𠄎 (11) III-128 2.6 njuu ②504

𠄎 (12) II 6 2.9 wji ④338

𠄎 (13) III 9 2.3 nju ④426

RR386 𠄎 (𠄎) 部



𠄎 (14) II 14 1.59 wju ⑦438

𠄎 (15) V 122 1.30 kjǐ ⑧308



𠄎 (14) II 14 1.59 wju  
(𠄎之异体字) ⑦439

RR393 彘部

彘 (08) IX10 2. 37 rjĭj ①437



彘 (12) IX16 2. 68 rjiĭr ③468

彘 (13) IX10 2. 37 rjĭj ⑥287



彘 (16) IX10 2. 37 rjĭj ②384

RR395 彘部



彘 (13) I 24 1. 30 mjĭ ⑤82

彘 (13) VII53 1. 2 dǐjwu ⑤208

RR399 彘部



彘 (10) IX-? 1. 54 lwow ①345

彘 (12) VII134 1. 42 tshjwĭj  
④350

彘 (13) VI111 1. 1 tshu ⑥372

RR401 𦍋部



- 𦍋 (12) II 54 2. 42 wo ③227
- 𦍋 (12) II 54 2. 42 wo ④352
- 𦍋 (15) IX15 1. 11 zji ⑧309

RR408 𦍋部



- 𦍋 (12) VI118 1. 3 tshjwu ②584
- 𦍋 (13) V194 (声调不详) khiwə ③27
- 𦍋 (14) VI143 1. 32 tshji ⑥423

RR409 擻部

擻 (09) I 60 2. 17 bja ②47



擻 (11) V 43 1. 87 ŋewr ①347

擻 (13) I 66 1. 20 phja ④368

擻 (19) III-2 2. 22 thwā ⑧538



擻 (13) VIII 34 1. 63 ɣa ②293

擻 (20) V 18 1. 61 gjij ⑧205

擻 (21) V-128 2. 64 kjo ①155

RR410 擻部



擻 (11) III 151 1. 3 dju ①348

擻 (13) VI 3 2. 60 dzji ③360

RR411 擻部



擻 (13) I 87 2. 42 bo ④373

擻 (15) I 87 2. 42 bo ⑦444

RR413 𦉳部

𦉳 (09) VII-29 1. 26 dzjwā ③51



𦉳 (17) V-119 1. 24 gā ⑧392



𦉳 (16) VI-159 1. 24 dzā ③647

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RR416 𦉴部

𦉴 (10) II 29 1. 31 wəə ③302



𦉴 (13) VIII-104 2. 49 ·jow  
②292

𦉴 (14) IX-? (声韵不详)  
③124

𦉴 (15) IX-? 2. 17 lhja ⑥418



𦉴 (14) II 30 1. 31 wəə ④443

RR417 𪗇部

𪗇 (09) VII42 2.48 sjow ①17



𪗈 (11) III 70 2.55 tjĭj ①350

𪗉 (12) IX44 2.76 lwər ②505

𪗊 (13) VIII69 1.39 ·jiij ④375

𪗋 (14) VI91 1.93 tsjiir ⑤241

𪗌 (14) VI113 2.38 tshew  
⑤332

RR418 𪗍部

𪗍 (09) I 41 1.11 mji ①267



𪗎 (13) III -69 2.73 -ar ③87



𪗏 (15) III 145 2.19 naa  
(𪗏之异体字) ③169

𪗐 (15) III 145 2.19 naa ①676

RR419 𦉳部

𦉳 (10) V-24 1. 75 gur ①338



𦉴 (13) V 173 1. 47 gjiiw  
②294

𦉵 (14) V 173 1. 47 gjiiw  
③125

𦉶 (15) I 57 1. 2 bju ⑤60

𦉷 (15) IX60 2. 66 rejr ⑥142

RR420 𦉸部

𦉸 (09) III-158 1. 64 njə ⑤352



𦉹 (12) III 148 1. 64 njə ②271

𦉺 (13) VII63 1. 16 šji ③91

𦉻 (14) VIII50 2. 66 ·wejr ⑤34



𦉼 (14) (声韵不详) ⑥289



𦉽 (22) V 117 1. 5 guu ⑧393

RR423 𪗇部



𪗇 (13) V 80 2. 85 kjir ④399

𪗈 (14) IX 158 2. 13 zē ⑤333

RR425 𪗉部



𪗉 (11) VI 79 1. 87 tsewr ②245

𪗊 (15) VI 79 1. 87 tsewr ⑤336

𪗋 (16) VI 99 1. 42 dzjij ⑥79

RR426 𪗌部

𪗌 (09) VIII 96 1. 71 ·iə ⑦264



𪗍 (13) VIII 96 1. 71 ·iə ③98



𪗎 (14) V 87 1. 68 kwə ⑥265



RR430 彘部



彘 (10) V 102 2. 28 khji ②425

彘 (14) II 59 2. 23 wiā ④460

彘 (14) IX 5 2. 72 rjir ⑤334

RR431 彘部

彘 (09) IX 77 1. 93 ljiir ②410



彘 (19) III 40 2. 28 dji ⑧558

RR432 彘部

彘 (09) III 3 2. 41 neew ②411



彘 (14) III 3 2. 41 neew ⑤334

RR436 𠃉 部



𠃉 (16) II 19 2. 68 wjijr ①151  
(𠃉之异体字)

𠃉 (18) III 69 2. 60 tji ②191  
(𠃉之异体字)

RR438 𠃊 部



𠃊 (11) II 18 2. 71 wer ①636

𠃊 (14) VIII-19 2. 22 yā ⑤153

𠃊 (15) III 51 2. 38 dew ④524

𠃊 (16) VI 48 2. 52 dzju ⑤390

RR439 毳部



毳 (10) V 147 1. 79 kjir ①87

毳 (13) VI60 1. 30 tsjwi ④417

毳 (15) V -45 2. 77 ŋjir ⑦450



毳 (19) VI60 1. 30 tsjwi ③655

RR441 叢部

叢 (09) IX-? 1. 32 ljii ⑥412



叢 (13) VII126 2. 32 dzjwij ③286

叢 (13) V -21 2. 57 kja ③470

RR445 髻部



髻 (11) I 145 1. 59 pjü ①371

髻 (14) III 191 1. 32 djii ⑥230

RR446 𠄎 部



- 𠄎 (13) VII48 2. 32 dzjij ②89
- 𠄎 (14) II 2 2. 7 we ④430
- 𠄎 (15) V -108 1. 7 kjuu ⑤223
- 𠄎 (15) (声韵不详) ⑤246
- 𠄎 (16) I 163 1. 5 puu ⑦263
- 𠄎 (16) I 158 2. 8 phie ⑦454
- 𠄎 (17) IX37 2. 71 rer ⑧50

RR447 𠄎 部



- 𠄎 (10) VII135 2. 32 dzjwij ⑤1
- 𠄎 (12) VII126 2. 32 dzjwij ①374
- 𠄎 (14) VII135 2. 32 dzjwij ④433
- 𠄎 (15) III 24 2. 28 njwi ⑤214
- 𠄎 (15) VIII61 1. 17 ·a ⑤335

RR448 菝部

菝 (10) IX71 1. 60 liej ③52



菝 (12) IX123 1. 66 lie ①640

菝 (14) I -1 1. 66 bie ④434

菝 (15) IX71 1. 60 liej ⑤335

菝 (15) IX71 1. 60 liej ⑥469

RR450 菱部

菱 (10) IX73 2. 38 zew ③55



菱 (14) VII30 2. 44 tshjo ③230

菱 (16) VII108 1. 79 tsjir ⑦455

RR451 蒟部



蒟 (14) II 40 1. 15 wě ④437

蒟 (15) II 40 1. 15 wě ⑥68

蒟 (16) V 2 1. 17 ka ⑦455

RR457 𦍋部

𦍋 (10) IX61 2.47 low ⑧542



𦍋 (16) I 149 1.9 pie ⑦230



𦍋 (20) I 149 1.9 pie ③207

RR458 𦍌部



𦍌 (13) VI118 1.3 tshjwu

②585

𦍌 (14) VI66 1.77 tser ④452

𦍌 (15) VI49 2.3 sju ⑤389

𦍌 (15) VI12 1.68 tsə ⑥73



𦍌 (19) VI12 1.68 tsə ③204

RR459 薹部

薹 (10) V 22 1. 34 kiek ②232



薹 (14) IX97 2. 54 ljwjj ③709

薹 (15) V-94 2. 38 khew

⑤456

RR460 薹部

薹 (10) V 67 2. 29 khjii ③484



薹 (11) V 168 1. 6 khjuu ①175

RR461 𦉳部



𦉳 (13) II 31 1. 64 wja ②2

𦉳 (13) VI118 1. 3 tshjwu

②585

𦉳 (14) VI12 1. 68 tsə ④456

𦉳 (15) IX57 2. 9 lji ⑥168

𦉳 (16) III135 2. 45 noo ⑦587

𦉳 (19) IX189 1. 32 lji ⑧524



𦉳 (18) VI12 1. 68 tsə ③198



RR462 韮部



韮 (14) I 44 1. 32 mjii ④461

韮 (14) IV 3 2. 48 niow ③328

韮 (15) I 44 1. 32 mjii ⑥77



韮 (18) I 45 2. 29 mjii

(韮之异体字) ③198

韮 (19) I 45 2. 29 mjii ③205

RR465 𪗇部



𪗇 (12) IX 134 2. 2 zju ①661

𪗇 (16) I 切韵 2. 2 pju ⑦231

𪗇 (16) I 17 1. 20 mja ⑦472

RR468 𡗗部



𡗗 (14) IX64 1.22 laa ④476

𡗘 (16) I 69 2.14 ba ⑦158

𡗙 (16) IX93 1.76 rjur ⑦642



𡗚 (17) V 4 2.48 ŋjow ②390

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RR469 𡗛部

𡗛 (10) VII-129 1.51 dzjo ⑧324



𡗜 (13) VII-23 (声韵不详) ②323

𡗝 (15) V 71 1.36 gjij ⑤462

𡗞 (16) VIII39 2.60 ·ji ⑦459



𡗟 (21) V 54 2.10 gjj ③364

RR470 𦉳部

𦉳 (11) IX14 2. 10 zji ①188



𦉳 (14) IX133 2. 61 zjǐ ②67

𦉳 (15) IX14 2. 10 zji ④476

𦉳 (17) IX14 2. 10 zji ⑦491

RR476 頁部

頁 (11) IX21 1.49 lo  
(頁之异体字) ⑧575



頁 (15) VII24 (声调不详) dzjɿ  
(頁之异体字) ③397



頁 (12) IX-? 1.14 lhjii  
(頁之异体字) ①100

頁 (13) VI62 1.20 tsja  
(頁之异体字) ①522

頁 (14) III166 1.68 thə  
(頁之异体字) ②525

頁 (15) V2 1.17 ka  
(頁之异体字) ③289

頁 (15) III37 1.1 thu  
(頁之异体字) ④483

RR478 𪗇部

𪗇 (11) I 36 1. 27 phə ②433



𪗈 (15) I 35 2. 25 phə ③289

𪗉 (16) I 35 2. 25 phə ⑤463

RR479 𪗊部

𪗊 (11) III 149 1. 21 njaa ③551



𪗋 (14) III 157 1. 1 nu ②410

𪗌 (14) III 2 1. 17 na ②342

𪗍 (15) III 149 1. 21 njaa ③168



𪗎 (13) III 149 1. 21 njaa ①669

𪗏 (15) V 28 1. 54 kow ④519

𪗐 (16) IX-? 1. 60 lej ⑥88

RR480 𡗗部

𡗗 (12) IX148 2. 25 lə ⑤444



𡗗 (14) VII59 2. 81 tsior ①671

𡗗 (17) VIII-59 2. 37 ·jij ⑤307

𡗗 (17) IX-? 1. 14 zjii ⑥400



𡗗 (20) IX-? 2. 12 zjii ②394

RR481 𡗗部

𡗗 (12) IX130 1. 86 zjir ⑧592

RR483 𪗇部

𪗇 (12) VII7 1. 56 dzjow ⑧509

⊕↓⊕——⊕↓⊕

𪗈 (14) V3 2. 14 ka  
(𪗇之异体字) ①431

𪗉 (14) V3 2. 14 ka ①468

𪗊 (15) V3 2. 14 ka  
(𪗇之异体字) ②359

𪗋 (16) I -129 2. 34 pheej  
③183

𪗌 (17) V -51 2. 73 kar ⑤131  
⊕□☞——⊕□☞

𪗍 (13) I 161 2. 20 phiaa  
①135

𪗎 (14) VI-47 1. 8 dze ①403

𪗏 (16) VII-10 1. 56 tshjow  
④540

𪗐 (16) VI-40 1. 86 tsjwír  
③418

𪗑 (17) VII75 1. 92 dzjír ④576

RR485 𧈧部

𧈧 (12) III 151 1. 3 dju ③612



𧈨 (16) VIII 26 1. 11 ·ji ④552

𧈩 (17) VII 48 2. 32 dzjij ⑥88



𧈪 (20) VIII 26 1. 11 ·ji ③207

RR486 𧈫部

𧈫 (13) I 22 2. 25 bæ ⑧603



𧈬 (17) I -105 1. 31 bæə

③472

𧈭 (18) VI 118 1. 3 tshjwu

⑥117



RR487 𦍋部

𦍋 (13) I 26 2.3 bju ⑥141



𦍋 (17) VIII-61 1.9 yiwe ④560

𦍋 (18) VIII78 2.51 ·wu ⑥469

RR488 𦍌部

𦍌 (13) VII71 1.64 sjə ②301



𦍌 (18) VII<sub>切韵</sub> 1.64 tsja  
(𦍌之异体字) ⑤97



𦍌 (21) VII<sub>切韵</sub> 1.64 tsja ③211

RR490 𦍍部

𦍍 (13) IX55 1.58 lu ③620



𦍍 (15) III66 2.20 niaa ①513

RR491 巖部

巖 (13) II -33 1. 78 wier ⑥473



巖 (18) IX138 1. 7 zjuu ③654



巖 (16) I 35 2. 25 phə ①410

巖 (19) I -11 2. 14 pa ⑥293

## 4. Proposal Summary Form

**SO/IEC JTC 1/SC 2/WG 2  
PROPOSAL SUMMARY FORM TO ACCOMPANY SUBMISSIONS  
FOR ADDITIONS TO THE REPERTOIRE OF ISO/IEC 10646<sup>6</sup>.**

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:  | <i>Proposal to encode 114 Tangut components</i> |
| 2. Requester's name:   | <i>Andrew West</i>                              |
| 3. Requester type (Member body/Liaison/Individual contribution): | <i>Individual contribution</i>                  |
| 4. Submission date:  | <i>2023-05-31</i>                               |
| 5. Requester's reference (if applicable):                        |   |
| 6. Choose one of the following:                                  |   |
| This is a complete proposal:                                     | <input checked="" type="checkbox"/> YES         |
| (or) More information will be provided later:                    | <input type="checkbox"/>                        |

### B. Technical – General

|   |   |
|---|---|
| 1. Choose one of the following:   |   |
| a. This proposal is for a new script (set of characters):   | <input checked="" type="checkbox"/> YES |
| Proposed name of script:  | <i>Tangut Components Supplement</i>     |
| b. The proposal is for addition of character(s) to an existing block:   | <input type="checkbox"/> NO             |
| Name of the existing block:   |   |
| 2. Number of characters in proposal:  | <i>114</i>                              |
| 3. Proposed category (select one from below - see section 2.2 of P&P document):   |   |
| A-Contemporary <input type="checkbox"/> B.1-Specialized (small collection) <input type="checkbox"/> B.2-Specialized (large collection) <input type="checkbox"/>   |   |
| C-Major extinct <input type="checkbox"/> D-Attested extinct <input type="checkbox"/> E-Minor extinct <input type="checkbox"/>   |   |
| F-Archaic Hieroglyphic or Ideographic <input checked="" type="checkbox"/> G-Obscure or questionable usage symbols <input type="checkbox"/>  |   |
| 4. Is a repertoire including character names provided?  | <input checked="" type="checkbox"/> YES |
| a. If YES, are the names in accordance with the "character naming guidelines" in Annex L of P&P document?   | <input checked="" type="checkbox"/> YES |
| b. Are the character shapes attached in a legible form suitable for review?   | <input checked="" type="checkbox"/> YES |
| 5. Fonts related:   |   |
| a. Who will provide the appropriate computerized font to the Project Editor of 10646 for publishing the standard?   | <i>Andrew West</i>                      |
| b. Identify the party granting a license for use of the font by the editors (include address, e-mail, ftp-site, etc.):  | <i>Andrew West</i>                      |
| 6. References:  |   |
| a. Are references (to other character sets, dictionaries, descriptive texts etc.) provided?   | <input checked="" type="checkbox"/> YES |
| b. Are published examples of use (such as samples from newspapers, magazines, or other sources) of proposed characters attached?  | <input checked="" type="checkbox"/> 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)? | <input type="checkbox"/> 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.

<sup>6</sup> Form number: N4102-F (Original 1994-10-14; Revised 1995-01, 1995-04, 1996-04, 1996-08, 1999-03, 2001-05, 2001-09, 2003-11, 2005-01, 2005-09, 2005-10, 2007-03, 2008-05, 2009-11, 2011-03, 2012-01)

**C. Technical - Justification**

|  |                          |
|--|--------------------------|
| 1. Has this proposal for addition of character(s) been submitted before?<br>If YES explain _____   | <i>NO</i>                |
| 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.)?<br>If YES, with whom? _____<br>If YES, available relevant documents: _____   | <i>NO</i>                |
| 3. Information on the user community for the proposed characters (for example: size, demographics, information technology use, or publishing use) is included?<br>Reference: _____   | <i>NO</i>                |
| 4. The context of use for the proposed characters (type of use; common or rare)<br>Reference: _____  | <i>rare</i>              |
| 5. Are the proposed characters in current use by the user community?<br>If YES, where? Reference: _____  | <i>YES</i>               |
| 6. After giving due considerations to the principles in the P&P document must the proposed characters be entirely in the BMP?<br>If YES, is a rationale provided? _____<br>If YES, reference: _____  | <i>NO</i>                |
| 7. Should the proposed characters be kept together in a contiguous range (rather than being scattered)?  | <i>YES</i>               |
| 8. Can any of the proposed characters be considered a presentation form of an existing character or character sequence?<br>If YES, is a rationale for its inclusion provided? _____<br>If YES, reference: _____  | <i>NO</i>                |
| 9. Can any of the proposed characters be encoded using a composed character sequence of either existing characters or other proposed characters?<br>If YES, is a rationale for its inclusion provided? _____<br>If YES, reference: _____   | <i>NO</i>                |
| 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?<br>If YES, is a rationale for its inclusion provided? _____<br>If YES, reference: _____   | <i>YES</i><br><i>YES</i> |
| 11. Does the proposal include use of combining characters and/or use of composite sequences?<br>If YES, is a rationale for such use provided? _____<br>If YES, reference: _____<br>Is a list of composite sequences and their corresponding glyph images (graphic symbols) provided? _____<br>If YES, reference: _____ | <i>NO</i>                |
| 12. Does the proposal contain characters with any special properties such as control function or similar semantics?<br>If YES, describe in detail (include attachment if necessary)<br>_____<br>_____  | <i>NO</i>                |
| 13. Does the proposal contain any Ideographic compatibility characters?<br>If YES, are the equivalent corresponding unified ideographic characters identified?<br>If YES, reference: _____   | <i>NO</i>                |