

Universal Multiple-Octet Coded Character Set  
International Organization for Standardization  
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**Title:** Proposal to encode seven additional Tangut components  
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## 1. Introduction

The Tangut Components block contains 755 characters for Tangut components that are used as radicals and/or IDS components in modern Tangut scholarship. When this set of components was proposed for encoding in September 2014 (see WG2 N4636 or L2/14-228) there were no known examples of Tangut components used in original Tangut sources. However, in November 2014 a woodblock edition of a previously unknown Tangut linguistic text entitled *Essential Selection of Often-Transmitted Homonyms and Mixed Characters* 𐰇𐰆𐰏𐰐𐰑𐰒𐰓𐰔𐰕𐰖𐰗𐰘𐰙𐰚𐰛𐰜𐰝𐰞𐰟𐰠𐰡𐰢𐰣𐰤𐰥𐰦𐰧𐰨𐰩𐰪𐰫𐰬𐰭𐰮𐰯𐰰𐰱𐰲𐰳𐰴𐰵𐰶𐰷𐰸𐰹𐰺𐰻𐰼𐰽𐰾𐰿 (Zéyào Chángchuán Tóngmíng Zázì 擇要常傳同名雜字 in Chinese translation, referred to in short as *Homonyms* below) was sold at auction in Beijing. This text includes two folios listing Tangut components ordered by position or type (see Figs. 1 and 2). In November 2017, thanks to the kindness of Prof. Nie Hongyin, I was able to examine photographs of the entire text, and map the components shown in this book to the set of encoded Tangut components (see Table 1). Seven Tangut components listed in this work are not currently encoded, and are required by scholars studying this important text.

## 2. Tangut Components

The newly-discovered *Homonyms* text includes 230 entries for individual Tangut components, of which entries 1 through 188 show components that occur at the top (nos. 1–31), left or right side (nos. 32–158), middle (nos. 159–169), and exclusively on the right side (nos. 170–188), each with a sample character in regular script and cursive script demonstrating the component. Two entries (nos. 55 and 74) show left side and right side forms of the component, so there are 190 components in total. At the end of the second folio there are also four components that extend underneath from the left (nos. 227–230), but with a description instead of a sample character. 189 of these 194 components are already encoded in the Tangut Components block, but five components (nos. 1, 71, 105, 112, and 140) are not encoded.

In addition to the individual components, the text lists 38 Tangut ideographs that also occur as lateral components in other ideographs (nos. 189–226). Of these 38 characters, 35 are encoded both as Tangut ideographs and as Tangut components, one is uncertain (no. 216), and two are encoded as Tangut ideographs but not as components (nos. 205 and 222), even though they both occur as right side components in other Tangut ideographs.

Fig. 1: Homonyms folio 4

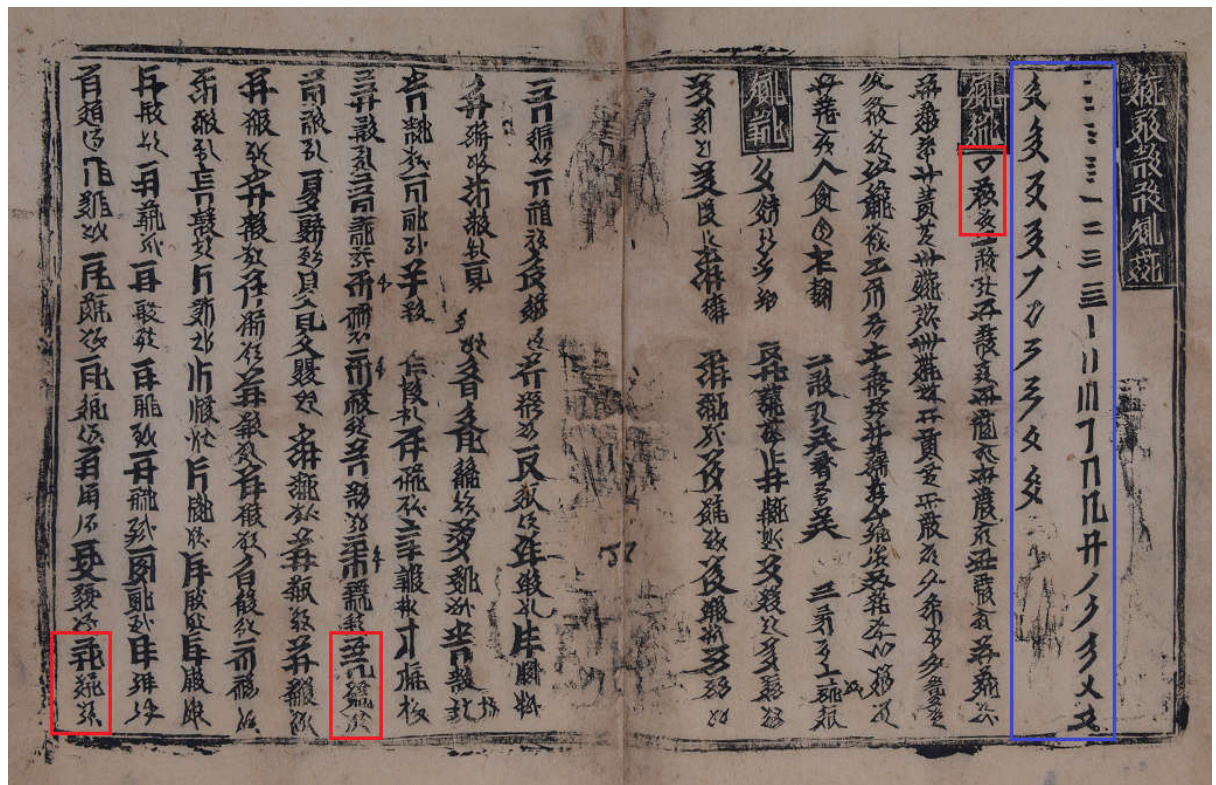
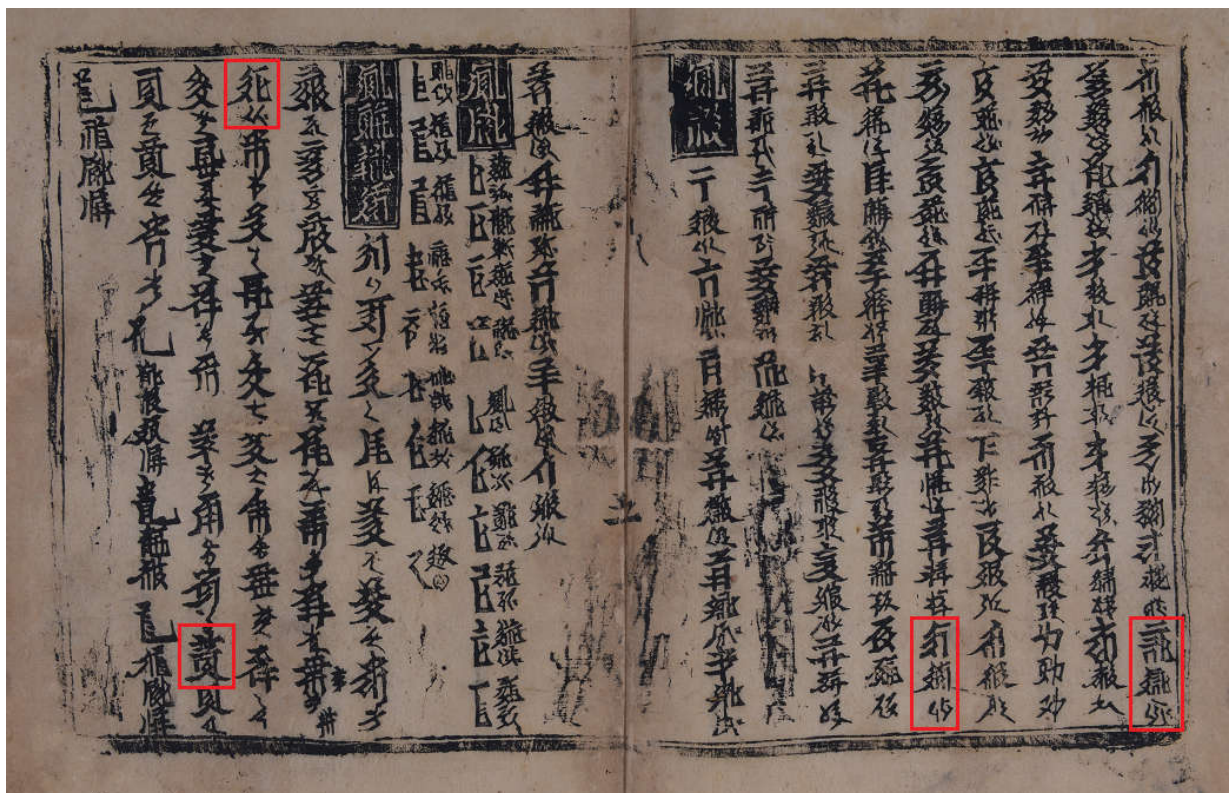


Fig. 2: Homonyms folio 5



**Table 1: Tangut Components in Homonyms**

| No. | Position | Component                                                                         | C/P     | Character Name       | Sample | Cursive |
|-----|----------|-----------------------------------------------------------------------------------|---------|----------------------|--------|---------|
| 1   | 04A401   |  |         |                      | 𐰇      | 𐰇       |
| 2   | 04A402   | 𐰇                                                                                 | U+1881B | TANGUT COMPONENT-028 | 𐰇      | 𐰇       |
| 3   | 04A403   | 𐰇                                                                                 | U+188B8 | TANGUT COMPONENT-185 | 𐰇      | 𐰇       |
| 4   | 04A404   | 𐰇                                                                                 | U+18944 | TANGUT COMPONENT-325 | 𐰇      | 𐰇       |
| 5   | 04A405   | 𐰇                                                                                 | U+18949 | TANGUT COMPONENT-330 | 𐰇      | 𐰇       |
| 6   | 04A406   | 𐰇                                                                                 | U+189C9 | TANGUT COMPONENT-458 | 𐰇      | 𐰇       |
| 7   | 04A407   | 𐰇                                                                                 | U+189AF | TANGUT COMPONENT-432 | 𐰇      | 𐰇       |
| 8   | 04A501   | 𐰇                                                                                 | U+18A1D | TANGUT COMPONENT-542 | 𐰇      | 𐰇       |
| 9   | 04A502   | 𐰇                                                                                 | U+1882C | TANGUT COMPONENT-045 | 𐰇      | 𐰇       |
| 10  | 04A503   | 𐰇                                                                                 | U+18869 | TANGUT COMPONENT-106 | 𐰇      | 𐰇       |
| 11  | 04A504   | 𐰇                                                                                 | U+188D8 | TANGUT COMPONENT-217 | 𐰇      | 𐰇       |
| 12  | 04A505   | 𐰇                                                                                 | U+18863 | TANGUT COMPONENT-100 | 𐰇      | 𐰇       |
| 13  | 04A506   | 𐰇                                                                                 | U+188CD | TANGUT COMPONENT-206 | 𐰇      | 𐰇       |
| 14  | 04A507   | 𐰇                                                                                 | U+18845 | TANGUT COMPONENT-070 | 𐰇      | 𐰇       |
| 15  | 04A508   | 𐰇                                                                                 | U+1888E | TANGUT COMPONENT-143 | 𐰇      | 𐰇       |
| 16  | 04A601   | 𐰇                                                                                 | U+18907 | TANGUT COMPONENT-264 | 𐰇      | 𐰇       |



| No. | Position | Component | C/P     | Character Name       | Sample | Cursive |
|-----|----------|-----------|---------|----------------------|--------|---------|
| 17  | 04A602   | 𠂔         | U+188CB | TANGUT COMPONENT-204 | 𠂔      | 𠂔       |
| 18  | 04A603   | 𠂕         | U+1885B | TANGUT COMPONENT-092 | 𠂕      | 𠂕       |
| 19  | 04A604   | 𠂖         | U+18853 | TANGUT COMPONENT-084 | 𠂖      | 𠂖       |
| 20  | 04A605   | 𠂗         | U+188BB | TANGUT COMPONENT-188 | 𠂗      | 𠂗       |
| 21  | 04A606   | 𠂘         | U+1885D | TANGUT COMPONENT-094 | 𠂘      | 𠂘       |
| 22  | 04A607   | 𠂙         | U+189B4 | TANGUT COMPONENT-437 | 𠂙      | 𠂙       |
| 23  | 04A608   | 𠂚         | U+1884D | TANGUT COMPONENT-078 | 𠂚      | 𠂚       |
| 24  | 04A701   | 𠂛         | U+1891B | TANGUT COMPONENT-284 | 𠂛      | 𠂛       |
| 25  | 04A702   | 𠂜         | U+18817 | TANGUT COMPONENT-024 | 𠂜      | 𠂜       |
| 26  | 04A703   | 𠂝         | U+188BA | TANGUT COMPONENT-187 | 𠂝      |         |
| 27  | 04A704   | 𠂞         | U+188AB | TANGUT COMPONENT-172 | 𠂞      | 𠂞       |
| 28  | 04A705   | 𠂟         | U+18934 | TANGUT COMPONENT-309 | 𠂟      | 𠂟       |
| 29  | 04A706   | 𠂠         | U+18A18 | TANGUT COMPONENT-537 |        |         |
| 30  | 04A707   | 𠂡         | U+1884E | TANGUT COMPONENT-079 | 𠂡      | 𠂡       |
| 31  | 04A708   | 𠂢         | U+18819 | TANGUT COMPONENT-026 | 𠂢      | 𠂢       |
| 32  | 04A801   | 𠂣         | U+18906 | TANGUT COMPONENT-263 | 𠂣      | 𠂣       |
| 33  | 04A802   | 𠂤         | U+18823 | TANGUT COMPONENT-036 | 𠂤      |         |

| No. | Position | Component | C/P     | Character Name       | Sample | Cursive |
|-----|----------|-----------|---------|----------------------|--------|---------|
| 34  | 04A803   | 𠂔         | U+189E6 | TANGUT COMPONENT-487 | 𠂔      | 𠂔       |
| 35  | 04A804   | 𠂕         | U+18A57 | TANGUT COMPONENT-600 | 𠂕      | 𠂕       |
| 36  | 04A805   | 𠂖         | U+188AA | TANGUT COMPONENT-171 | 𠂖      | 𠂖       |
| 37  | 04A806   | 𠂗         | U+18929 | TANGUT COMPONENT-298 | 𠂗      | 𠂗       |
| 38  | 04A901   | 𠂘         | U+1892C | TANGUT COMPONENT-301 | 𠂘      | 𠂘       |
| 39  | 04A902   | 𠂙         | U+189B3 | TANGUT COMPONENT-436 | 𠂙      | 𠂙       |
| 40  | 04A903   | 𠂚         | U+189D3 | TANGUT COMPONENT-468 | 𠂚      |         |
| 41  | 04A904   | 𠂛         | U+18A3C | TANGUT COMPONENT-573 | 𠂛      | 𠂛       |
| 42  | 04A905   | 𠂜         | U+189A2 | TANGUT COMPONENT-419 | 𠂜      | 𠂜       |
| 43  | 04A906   | 𠂝         | U+18A0F | TANGUT COMPONENT-528 | 𠂝      | 𠂝       |
| 44  | 04A907   | 𠂞         | U+18821 | TANGUT COMPONENT-034 | 𠂞      | 𠂞       |
| 45  | 04B101   | 𠂟         | U+188E9 | TANGUT COMPONENT-234 | 𠂟      | 𠂟       |
| 46  | 04B102   | 𠂠         | U+18862 | TANGUT COMPONENT-099 | 𠂠      | 𠂠       |
| 47  | 04B103   | 𠂡         | U+1897E | TANGUT COMPONENT-383 | 𠂡      | 𠂡       |
| 48  | 04B104   | 𠂢         | U+1892E | TANGUT COMPONENT-303 | 𠂢      | 𠂢       |
| 49  | 04B105   | 𠂣         | U+1886F | TANGUT COMPONENT-112 | 𠂣      | 𠂣       |
| 50  | 04B106   | 𠂤         | U+189D8 | TANGUT COMPONENT-473 | 𠂤      | 𠂤       |

| No. | Position | Component | C/P                | Character Name                               | Sample | Cursive |
|-----|----------|-----------|--------------------|----------------------------------------------|--------|---------|
| 51  | 04B107   | 𠂔         | U+188F2            | TANGUT COMPONENT-243                         | 𠂔      | 𠂔       |
| 52  | 04B201   | 𠂔         | U+18903            | TANGUT COMPONENT-260                         | 𠂔      | 𠂔       |
| 53  | 04B202   | 𠂔         | U+188C7            | TANGUT COMPONENT-200                         | 𠂔      | 𠂔       |
| 54  | 04B203   | 𠂔         | U+18AA3            | TANGUT COMPONENT-676                         | 𠂔      | 𠂔       |
| 55  | 04B204   | 𠂔 𠂔       | U+18A5A<br>U+18A5B | TANGUT COMPONENT-603<br>TANGUT COMPONENT-604 | 𠂔      | 𠂔       |
| 56  | 04B205   | 𠂔         | U+18AB4            | TANGUT COMPONENT-693                         | 𠂔      | 𠂔       |
| 57  | 04B206   | 𠂔         | U+18A03            | TANGUT COMPONENT-516                         | 𠂔      | 𠂔       |
| 58  | 04B301   | 𠂔         | U+1899E            | TANGUT COMPONENT-415                         | 𠂔      | 𠂔       |
| 59  | 04B302   | 𠂔         | U+1886E            | TANGUT COMPONENT-111                         | 𠂔      | 𠂔       |
| 60  | 04B303   | 𠂔         | U+18918            | TANGUT COMPONENT-281                         | 𠂔      |         |
| 61  | 04B304   | 𠂔         | U+18946            | TANGUT COMPONENT-327                         | 𠂔      | 𠂔       |
| 62  | 04B305   | 𠂔         | U+18947            | TANGUT COMPONENT-328                         | 𠂔      | 𠂔       |
| 63  | 04B306   | 𠂔         | U+18989            | TANGUT COMPONENT-394                         | 𠂔      | 𠂔       |
| 64  | 04B307   | 𠂔         | U+1882D            | TANGUT COMPONENT-046                         | 𠂔      | 𠂔       |
| 65  | 04B401   | 𠂔         | U+18A2F            | TANGUT COMPONENT-560                         | 𠂔      | 𠂔       |
| 66  | 04B402   | 𠂔         | U+18A30            | TANGUT COMPONENT-561                         | 𠂔      | 𠂔       |
| 67  | 04B403   | 𠂔         | U+18954            | TANGUT COMPONENT-341                         | 𠂔      | 𠂔       |

| No. | Position | Component | C/P                | Character Name                               | Sample | Cursive |
|-----|----------|-----------|--------------------|----------------------------------------------|--------|---------|
| 68  | 04B404   | 𠂇         | U+1896E            | TANGUT COMPONENT-367                         | 𠂇      | 𠂇       |
| 69  | 04B405   | 𠂈         | U+189AE            | TANGUT COMPONENT-431                         | 𠂈      | 𠂈       |
| 70  | 04B406   | 𠂉         | U+189EE            | TANGUT COMPONENT-495                         | 𠂉      | 𠂉       |
| 71  | 04B407   | 𠂊         |                    |                                              | 𠂊      | 𠂊       |
| 72  | 04B501   | 𠂋         | U+18939            | TANGUT COMPONENT-314                         | 𠂋      | 𠂋       |
| 73  | 04B502   | 𠂌         | U+18AA2            | TANGUT COMPONENT-675                         | 𠂌      | 𠂌       |
| 74  | 04B503   | 𠂍 𠂎       | U+18A58<br>U+18A59 | TANGUT COMPONENT-601<br>TANGUT COMPONENT-602 | 𠂍      | 𠂍       |
| 75  | 04B504   | 𠂏         | U+18A13            | TANGUT COMPONENT-532                         | 𠂏      | 𠂏       |
| 76  | 04B505   | 𠂐         | U+18A20            | TANGUT COMPONENT-545                         | 𠂐      | 𠂐       |
| 77  | 04B506   | 𠂑         | U+189B1            | TANGUT COMPONENT-434                         | 𠂑      | 𠂑       |
| 78  | 04B601   | 𠂒         | U+18923            | TANGUT COMPONENT-292                         | 𠂒      | 𠂒       |
| 79  | 04B602   | 𠂓         | U+189A0            | TANGUT COMPONENT-417                         | 𠂓      | 𠂓       |
| 80  | 04B603   | 𠂔         | U+1899D            | TANGUT COMPONENT-414                         | 𠂔      | 𠂔       |
| 81  | 04B604   | 𠂕         | U+18A08            | TANGUT COMPONENT-521                         | 𠂕      | 𠂕       |
| 82  | 04B605   | 𠂖         | U+189A6            | TANGUT COMPONENT-423                         | 𠂖      | 𠂖       |
| 83  | 04B606   | 𠂗         | U+1897C            | TANGUT COMPONENT-381                         | 𠂗      | 𠂗       |
| 84  | 04B607   | 𠂘         | U+188EB            | TANGUT COMPONENT-236                         | 𠂘      | 𠂘       |

| No. | Position | Component | C/P     | Character Name       | Sample | Cursive |
|-----|----------|-----------|---------|----------------------|--------|---------|
| 85  | 04B701   | 𠂇         | U+18955 | TANGUT COMPONENT-342 | 𠂇      | 𠂇       |
| 86  | 04B702   | 𠂈         | U+18A5F | TANGUT COMPONENT-608 | 𠂈      | 𠂈       |
| 87  | 04B703   | 𠂉         | U+18836 | TANGUT COMPONENT-055 | 𠂉      | 𠂉       |
| 88  | 04B704   | 𠂊         | U+18878 | TANGUT COMPONENT-121 | 𠂊      | 𠂊       |
| 89  | 04B705   | 𠂋         | U+18875 | TANGUT COMPONENT-118 | 𠂋      | 𠂋       |
| 90  | 04B706   | 𠂌         | U+188F4 | TANGUT COMPONENT-245 | 𠂌      | 𠂌       |
| 91  | 04B707   | 𠂍         | U+18970 | TANGUT COMPONENT-369 | 𠂍      | 𠂍       |
| 92  | 04B801   | 𠂎         | U+18877 | TANGUT COMPONENT-120 | 𠂎      | 𠂎       |
| 93  | 04B802   | 𠂏         | U+188DC | TANGUT COMPONENT-221 | 𠂏      | 𠂏       |
| 94  | 04B803   | 𠂐         | U+18964 | TANGUT COMPONENT-357 | 𠂐      | 𠂐       |
| 95  | 04B804   | 𠂑         | U+188DD | TANGUT COMPONENT-222 | 𠂑      | 𠂑       |
| 96  | 04B805   | 𠂒         | U+188E0 | TANGUT COMPONENT-225 | 𠂒      | 𠂒       |
| 97  | 04B806   | 𠂓         | U+18A51 | TANGUT COMPONENT-594 | 𠂓      | 𠂓       |
| 98  | 04B807   | 𠂔         | U+188F9 | TANGUT COMPONENT-250 | 𠂔      | 𠂔       |
| 99  | 04B901   | 𠂕         | U+1894C | TANGUT COMPONENT-333 | 𠂕      | 𠂕       |
| 100 | 04B902   | 𠂖         | U+188F8 | TANGUT COMPONENT-249 | 𠂖      | 𠂖       |
| 101 | 04B903   | 𠂗         | U+188DE | TANGUT COMPONENT-223 | 𠂗      | 𠂗       |



| No. | Position | Component | C/P     | Character Name       | Sample | Cursive |
|-----|----------|-----------|---------|----------------------|--------|---------|
| 102 | 04B904   | 𠂔         | U+18966 | TANGUT COMPONENT-359 | 𠂔      | 𠂔       |
| 103 | 04B905   | 𠂕         | U+1894D | TANGUT COMPONENT-334 | 𠂕      | 𠂕       |
| 104 | 04B906   | 𠂖         | U+189E3 | TANGUT COMPONENT-484 | 𠂖      | 𠂖       |
| 105 | 04B907   | 𠂗         |         |                      | 𠂗      | 𠂗       |
| 106 | 05A101   | 𠂘         | U+18974 | TANGUT COMPONENT-373 | 𠂘      | 𠂘       |
| 107 | 05A102   | 𠂙         | U+18888 | TANGUT COMPONENT-137 | 𠂙      | 𠂙       |
| 108 | 05A103   | 𠂚         | U+18A06 | TANGUT COMPONENT-519 | 𠂚      | 𠂚       |
| 109 | 05A104   | 𠂛         | U+18A7C | TANGUT COMPONENT-637 | 𠂛      | 𠂛       |
| 110 | 05A105   | 𠂜         | U+18820 | TANGUT COMPONENT-033 | 𠂜      | 𠂜       |
| 111 | 05A106   | 𠂝         | U+18831 | TANGUT COMPONENT-050 | 𠂝      | 𠂝       |
| 112 | 05A107   | 𠂞         |         |                      | 𠂞      | 𠂞       |
| 113 | 05A201   | 𠂟         | U+18994 | TANGUT COMPONENT-405 | 𠂟      | 𠂟       |
| 114 | 05A202   | 𠂠         | U+18A10 | TANGUT COMPONENT-529 | 𠂠      | 𠂠       |
| 115 | 05A203   | 𠂡         | U+18855 | TANGUT COMPONENT-086 | 𠂡      | 𠂡       |
| 116 | 05A204   | 𠂢         | U+188A9 | TANGUT COMPONENT-170 | 𠂢      | 𠂢       |
| 117 | 05A205   | 𠂣         | U+1881E | TANGUT COMPONENT-031 | 𠂣      | 𠂣       |
| 118 | 05A206   | 𠂤         | U+1890C | TANGUT COMPONENT-269 | 𠂤      | 𠂤       |

| No. | Position | Component                                                                           | C/P     | Character Name       | Sample                                                                                | Cursive                                                                               |
|-----|----------|-------------------------------------------------------------------------------------|---------|----------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| 119 | 05A207   |    | U+188BF | TANGUT COMPONENT-192 |    |    |
| 120 | 05A301   |    | U+18A36 | TANGUT COMPONENT-567 |    |    |
| 121 | 05A302   |    | U+18986 | TANGUT COMPONENT-391 |    |    |
| 122 | 05A303   |    | U+18953 | TANGUT COMPONENT-340 |    |    |
| 123 | 05A304   |    | U+18A34 | TANGUT COMPONENT-565 |    |    |
| 124 | 05A305   |    | U+188C2 | TANGUT COMPONENT-195 |    |    |
| 125 | 05A306   |    | U+18AB1 | TANGUT COMPONENT-690 |    |    |
| 126 | 05A307   |   | U+1883D | TANGUT COMPONENT-062 |   |   |
| 127 | 05A401   |  | U+1898C | TANGUT COMPONENT-397 |  |  |
| 128 | 05A402   |  | U+189F9 | TANGUT COMPONENT-506 |  |  |
| 129 | 05A403   |  | U+188B7 | TANGUT COMPONENT-184 |  |  |
| 130 | 05A404   |  | U+18940 | TANGUT COMPONENT-321 |  |  |
| 131 | 05A405   |  | U+18885 | TANGUT COMPONENT-134 |  |  |
| 132 | 05A406   |  | U+188E3 | TANGUT COMPONENT-228 |  |  |
| 133 | 05A407   |  | U+18902 | TANGUT COMPONENT-259 |  |  |
| 134 | 05A501   |  | U+18872 | TANGUT COMPONENT-115 |  |  |
| 135 | 05A502   |  | U+18951 | TANGUT COMPONENT-338 |  |  |

| No. | Position | Component | C/P     | Character Name       | Sample | Cursive |
|-----|----------|-----------|---------|----------------------|--------|---------|
| 136 | 05A503   | 𠂇         | U+18941 | TANGUT COMPONENT-322 | 𠂇      | 𠂇       |
| 137 | 05A504   | 𠂈         | U+18A1A | TANGUT COMPONENT-539 | 𠂈      | 𠂈       |
| 138 | 05A505   | 𠂉         | U+18997 | TANGUT COMPONENT-408 | 𠂉      | 𠂉       |
| 139 | 05A506   | 𠂊         | U+1896B | TANGUT COMPONENT-364 | 𠂊      | 𠂊       |
| 140 | 05A507   | 𠂋         |         |                      | 𠂋      | 𠂋       |
| 141 | 05A601   | 𠂌         | U+189B2 | TANGUT COMPONENT-435 | 𠂌      | 𠂌       |
| 142 | 05A602   | 𠂍         | U+18973 | TANGUT COMPONENT-372 | 𠂍      | 𠂍       |
| 143 | 05A603   | 𠂎         | U+189E8 | TANGUT COMPONENT-489 | 𠂎      | 𠂎       |
| 144 | 05A604   | 𠂏         | U+18A87 | TANGUT COMPONENT-648 | 𠂏      | 𠂏       |
| 145 | 05A605   | 𠂐         | U+189E5 | TANGUT COMPONENT-486 | 𠂐      | 𠂐       |
| 146 | 05A606   | 𠂑         | U+189FF | TANGUT COMPONENT-512 | 𠂑      | 𠂑       |
| 147 | 05A607   | 𠂒         | U+1894A | TANGUT COMPONENT-331 | 𠂒      | 𠂒       |
| 148 | 05A701   | 𠂓         | U+189C0 | TANGUT COMPONENT-449 | 𠂓      | 𠂓       |
| 149 | 05A702   | 𠂔         | U+18ABC | TANGUT COMPONENT-701 | 𠂔      | 𠂔       |
| 150 | 05A703   | 𠂕         | U+18A92 | TANGUT COMPONENT-659 | 𠂕      | 𠂕       |
| 151 | 05A704   | 𠂖         | U+1898D | TANGUT COMPONENT-398 | 𠂖      | 𠂖       |
| 152 | 05A705   | 𠂗         | U+18952 | TANGUT COMPONENT-339 | 𠂗      | 𠂗       |

| No. | Position | Component | C/P     | Character Name       | Sample | Cursive |
|-----|----------|-----------|---------|----------------------|--------|---------|
| 153 | 05A706   | 𪛗         | U+1898A | TANGUT COMPONENT-395 | 𪛗      | 𪛗       |
| 154 | 05A707   | 𪛘         | U+18937 | TANGUT COMPONENT-312 | 𪛘      | 𪛘       |
| 155 | 05A801   | 𪛙         | U+18A26 | TANGUT COMPONENT-551 | 𪛙      | 𪛙       |
| 156 | 05A802   | 𪛚         | U+18899 | TANGUT COMPONENT-154 | 𪛚      | 𪛚       |
| 157 | 05A803   | 𪛛         | U+18A8C | TANGUT COMPONENT-653 | 𪛛      | 𪛛       |
| 158 | 05A804   | 𪛜         | U+18A05 | TANGUT COMPONENT-518 | 𪛜      | 𪛜       |
| 159 | 05A901   | 𪛝         | U+18827 | TANGUT COMPONENT-040 | 𪛝      | 𪛝       |
| 160 | 05A902   | 𪛞         | U+1889A | TANGUT COMPONENT-155 | 𪛞      | 𪛞       |
| 161 | 05A903   | 𪛟         | U+188DA | TANGUT COMPONENT-219 | 𪛟      | 𪛟       |
| 162 | 05A904   | 𪛠         | U+18A19 | TANGUT COMPONENT-538 | 𪛠      | 𪛠       |
| 163 | 05A905   | 𪛡         | U+189BF | TANGUT COMPONENT-448 | 𪛡      | 𪛡       |
| 164 | 05A906   | 𪛢         | U+188AF | TANGUT COMPONENT-176 | 𪛢      | 𪛢       |
| 165 | 05B101   | 𪛣         | U+18A81 | TANGUT COMPONENT-642 | 𪛣      | 𪛣       |
| 166 | 05B102   | 𪛤         | U+188FF | TANGUT COMPONENT-256 | 𪛤      | 𪛤       |
| 167 | 05B103   | 𪛥         | U+1891C | TANGUT COMPONENT-285 | 𪛥      | 𪛥       |
| 168 | 05B104   | 𪛦         | U+18931 | TANGUT COMPONENT-306 | 𪛦      | 𪛦       |
| 169 | 05B105   | 𪛧         | U+18840 | TANGUT COMPONENT-065 | 𪛧      | 𪛧       |

| No. | Position | Component | C/P     | Character Name       | Sample | Cursive |
|-----|----------|-----------|---------|----------------------|--------|---------|
| 170 | 05B201   | 乚         | U+18822 | TANGUT COMPONENT-035 | 𪛗      | 𪛗       |
| 171 | 05B202   | 𠂇         | U+18834 | TANGUT COMPONENT-053 | 𪛘      | 𪛘       |
| 172 | 05B203   | 𠂈         | U+18867 | TANGUT COMPONENT-104 | 𪛙      | 𪛙       |
| 173 | 05B204   | 𠂉         | U+1899C | TANGUT COMPONENT-413 | 𪛚      | 𪛚       |
| 174 | 05B205   | 乚         | U+18806 | TANGUT COMPONENT-007 | 𪛛      | 𪛛       |
| 175 | 05B206   | 𠂇         | U+18846 | TANGUT COMPONENT-071 | 𪛜      | 𪛜       |
| 176 | 05B207   | 𠂈         | U+1889E | TANGUT COMPONENT-159 | 𪛝      | 𪛝       |
| 177 | 05B208   | 𠂉         | U+188B6 | TANGUT COMPONENT-183 | 𪛞      | 𪛞       |
| 178 | 05B209   | 𠂊         | U+18911 | TANGUT COMPONENT-274 | 𪛟      | 𪛟       |
| 179 | 05B210   | 𠂋         | U+188EE | TANGUT COMPONENT-239 | 𪛠      | 𪛠       |
| 180 | 05B301   | 𠂌         | U+188C8 | TANGUT COMPONENT-201 | 𪛡      | 𪛡       |
| 181 | 05B302   | 𠂍         | U+189C8 | TANGUT COMPONENT-457 | 𪛢      | 𪛢       |
| 182 | 05B303   | 𠂎         | U+18A31 | TANGUT COMPONENT-562 | 𪛣      | 𪛣       |
| 183 | 05B304   | 𠂏         | U+1893E | TANGUT COMPONENT-319 | 𪛤      | 𪛤       |
| 184 | 05B305   | 𠂐         | U+188ED | TANGUT COMPONENT-238 | ?      | 𪛥       |
| 185 | 05B306   | 𠂑         | U+18874 | TANGUT COMPONENT-117 | 𪛦      | 𪛦       |
| 186 | 05B307   | 𠂒         | U+18895 | TANGUT COMPONENT-150 | 𪛧      | 𪛧       |



| No. | Position | Component | C/P                | Character Name                                 | Sample | Cursive |
|-----|----------|-----------|--------------------|------------------------------------------------|--------|---------|
| 187 | 05B308   | 𠂇         | U+188D2            | TANGUT COMPONENT-211                           | 𠂇      | 𠂇       |
| 188 | 05B309   | 𠂈         | U+18809            | TANGUT COMPONENT-010                           | 𠂈      | 𠂈       |
| 189 | 05B401   | 𠂉 = 𠂉     | U+17F03<br>U+18905 | TANGUT IDEOGRAPH-17F03<br>TANGUT COMPONENT-262 |        | 𠂉       |
| 190 | 05B402   | 𠂊 = 𠂊     | U+18229<br>U+18969 | TANGUT IDEOGRAPH-18229<br>TANGUT COMPONENT-362 |        | 𠂊       |
| 191 | 05B403   | 𠂋 = 𠂋     | U+178A8<br>U+1888C | TANGUT IDEOGRAPH-178A8<br>TANGUT COMPONENT-141 |        | 𠂋       |
| 192 | 05B404   | 𠂌 = 𠂌     | U+17E6D<br>U+188F4 | TANGUT IDEOGRAPH-17E6D<br>TANGUT COMPONENT-245 |        | 𠂌       |
| 193 | 05B405   | 𠂍 = 𠂍     | U+186F5<br>U+18A84 | TANGUT IDEOGRAPH-186F5<br>TANGUT COMPONENT-645 |        | 𠂍       |
| 194 | 05B406   | 𠂎 = 𠂎     | U+18768<br>U+18AB2 | TANGUT IDEOGRAPH-18768<br>TANGUT COMPONENT-691 |        | 𠂎       |
| 195 | 05B407   | 𠂏 = 𠂏     | U+18086<br>U+18927 | TANGUT IDEOGRAPH-18086<br>TANGUT COMPONENT-296 |        | 𠂏       |
| 196 | 05B501   | 𠂐 = 𠂐     | U+187E0<br>U+18AE9 | TANGUT IDEOGRAPH-187E0<br>TANGUT COMPONENT-746 |        | 𠂐       |
| 197 | 05B502   | 𠂑 = 𠂑     | U+1821A<br>U+1895F | TANGUT IDEOGRAPH-1821A<br>TANGUT COMPONENT-352 |        | 𠂑       |
| 198 | 05B503   | 𠂒 = 𠂒     | U+187C0<br>U+18AD6 | TANGUT IDEOGRAPH-187C0<br>TANGUT COMPONENT-727 |        | 𠂒       |
| 199 | 05B504   | 𠂓 = 𠂓     | U+1878C<br>U+18ABF | TANGUT IDEOGRAPH-1878C<br>TANGUT COMPONENT-704 |        | 𠂓       |
| 200 | 05B505   | 𠂔 = 𠂔     | U+17007<br>U+18A55 | TANGUT IDEOGRAPH-17007<br>TANGUT COMPONENT-598 |        | 𠂔       |
| 201 | 05B506   | 𠂕 = 𠂕     | U+18350<br>U+189A6 | TANGUT IDEOGRAPH-18350<br>TANGUT COMPONENT-423 |        | 𠂕       |
| 202 | 05B507   | 𠂖 = 𠂖     | U+18527<br>U+189ED | TANGUT IDEOGRAPH-18527<br>TANGUT COMPONENT-494 |        | 𠂖       |
| 203 | 05B508   | 𠂗 = 𠂗     | U+18570<br>U+18A0E | TANGUT IDEOGRAPH-18570<br>TANGUT COMPONENT-527 |        | 𠂗       |

| No. | Position | Component | C/P                | Character Name                                 | Sample | Cursive |
|-----|----------|-----------|--------------------|------------------------------------------------|--------|---------|
| 204 | 05B509   | 𠂇 = 𠂇     | U+18790<br>U+18AC2 | TANGUT IDEOGRAPH-18790<br>TANGUT COMPONENT-707 |        | 𠂇𠂇𠂇     |
| 205 | 05B601   | 𠂇 = 𠂇     | U+178AC            | TANGUT IDEOGRAPH-178AC                         |        | 𠂇       |
| 206 | 05B602   | 𠂇 = 𠂇     | U+182DD<br>U+18998 | TANGUT IDEOGRAPH-182DD<br>TANGUT COMPONENT-409 |        | 𠂇       |
| 207 | 05B603   | 𠂇 = 𠂇     | U+180AA<br>U+18929 | TANGUT IDEOGRAPH-180AA<br>TANGUT COMPONENT-298 |        | 𠂇       |
| 208 | 05B604   | 𠂇 = 𠂇     | U+17E15<br>U+188E0 | TANGUT IDEOGRAPH-17E15<br>TANGUT COMPONENT-225 |        | 𠂇       |
| 209 | 05B605   | 𠂇 = 𠂇     | U+17F86<br>U+1890A | TANGUT IDEOGRAPH-17F86<br>TANGUT COMPONENT-267 |        | 𠂇       |
| 210 | 05B606   | 𠂇 = 𠂇     | U+18624<br>U+18A37 | TANGUT IDEOGRAPH-18624<br>TANGUT COMPONENT-568 |        | 𠂇       |
| 211 | 05B607   | 𠂇 = 𠂇     | U+1825F<br>U+1897A | TANGUT IDEOGRAPH-1825F<br>TANGUT COMPONENT-379 |        | 𠂇       |
| 212 | 05B608   | 𠂇 = 𠂇     | U+187BC<br>U+18AD5 | TANGUT IDEOGRAPH-187BC<br>TANGUT COMPONENT-726 |        | 𠂇       |
| 213 | 05B609   | 𠂇 = 𠂇     | U+181DC<br>U+1894F | TANGUT IDEOGRAPH-181DC<br>TANGUT COMPONENT-336 |        | 𠂇       |
| 214 | 05B701   | 𠂇 = 𠂇     | U+1828F<br>U+1897F | TANGUT IDEOGRAPH-1828F<br>TANGUT COMPONENT-384 |        | 𠂇       |
| 215 | 05B702   | 𠂇 = 𠂇     | U+18797<br>U+18AC6 | TANGUT IDEOGRAPH-18797<br>TANGUT COMPONENT-711 |        | 𠂇       |
| 216 | 05B703   | 𠂇 = 𠂇?    | U+17C56<br>U+18ABE | TANGUT IDEOGRAPH-17C56<br>TANGUT COMPONENT-703 |        | 𠂇       |
| 217 | 05B704   | 𠂇 = 𠂇     | U+185D0<br>U+18A1F | TANGUT IDEOGRAPH-185D0<br>TANGUT COMPONENT-544 |        | 𠂇       |
| 218 | 05B705   | 𠂇 = 𠂇     | U+184C9<br>U+189D6 | TANGUT IDEOGRAPH-184C9<br>TANGUT COMPONENT-471 |        |         |
| 219 | 05B706   | 𠂇 = 𠂇     | U+186CD<br>U+18A63 | TANGUT IDEOGRAPH-186CD<br>TANGUT COMPONENT-612 |        | 𠂇       |
| 220 | 05B707   | 𠂇 = 𠂇     | U+1866C<br>U+18A3B | TANGUT IDEOGRAPH-1866C<br>TANGUT COMPONENT-572 |        | 𠂇       |

| No. | Position | Component | C/P                | Character Name                                 | Sample | Cursive |
|-----|----------|-----------|--------------------|------------------------------------------------|--------|---------|
| 221 | 05B708   | 𐰇 = 𐰇     | U+1835D<br>U+189AB | TANGUT IDEOGRAPH-1835D<br>TANGUT COMPONENT-428 |        | 𐰇       |
| 222 | 05B709   | 𐰇 = 𐰇     | U+17368            | TANGUT IDEOGRAPH-17368                         |        |         |
| 223 | 05B710   | 𐰇 = 𐰇     | U+1824B<br>U+18977 | TANGUT IDEOGRAPH-1824B<br>TANGUT COMPONENT-376 |        | 𐰇       |
| 224 | 05B801   | 𐰇 = 𐰇     | U+184EC<br>U+189E4 | TANGUT IDEOGRAPH-184EC<br>TANGUT COMPONENT-485 |        | 𐰇       |
| 225 | 05B802   | 𐰇 = 𐰇     | U+187C7<br>U+18AD9 | TANGUT IDEOGRAPH-187C7<br>TANGUT COMPONENT-730 |        | 𐰇       |
| 226 | 05B803   | 𐰇 = 𐰇     | U+18302<br>U+1899E | TANGUT IDEOGRAPH-18302<br>TANGUT COMPONENT-415 |        | 𐰇       |
| 227 | 05B804   | 𐰇         | U+188A6            | TANGUT COMPONENT-167                           | 𐰇𐰇𐰇𐰇   |         |
| 228 | 05B805   | 𐰇         | U+18AAB            | TANGUT COMPONENT-684                           | 𐰇𐰇     |         |
| 229 | 05B806   | 𐰇         | U+18A32            | TANGUT COMPONENT-563                           | 𐰇𐰇𐰇    |         |
| 230 | 05B901   | 𐰇         | U+18A0B            | TANGUT COMPONENT-524                           | 𐰇𐰇𐰇    |         |

#205 𐰇 occurs as a right side components in 26 characters: U+17149 𐰇, U+1730C 𐰇, U+17341 𐰇, U+1759F 𐰇, U+17863 𐰇, U+17AAC 𐰇, U+17B2C 𐰇, U+17B33 𐰇, U+17B92 𐰇, U+17B95 𐰇, U+17C1E 𐰇, U+17CC7 𐰇, U+17F52 𐰇, U+17FF6 𐰇, U+18010 𐰇, U+180A1 𐰇, U+180F6 𐰇, U+1814F 𐰇, U+181E7 𐰇, U+1821D 𐰇, U+18282 𐰇, U+182F0 𐰇, U+1847A 𐰇, U+1851C 𐰇, U+186B6 𐰇, U+18746 𐰇.

#216 is not clear. It could be 𐰇 but this character does not occur as a component, or it could be the component 𐰇 but this component does not occur as a character in its own right.

#222 𐰇 occurs as a right side component in five characters: U+1766B 𐰇, U+17A48 𐰇, U+17EEF 𐰇, U+17FE2 𐰇, U+1843F 𐰇.

**Fig. 3: Table of Tangut components in *Homonyms* shown in West 2018**

**Table 2.** Tangut components and sample characters.

| Position | Components (sample characters)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|----------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Top      | <div>  (蓀), 𦰩 (𦰩), 𦰪 (𦰪), 𦰫 (𦰫), 𦰬 (𦰬), 𦰭 (𦰭), 𦰮 (𦰮), 𦰯 (𦰯), 𦰰 (𦰰), 𦰱 (𦰱), 𦰲 (𦰲), 𦰳 (𦰳), 𦰴 (𦰴), 𦰵 (𦰵), 𦰶 (𦰶), 𦰷 (𦰷), 𦰸 (𦰸), 𦰹 (𦰹), 𦰺 (𦰺), 𦰻 (𦰻), 𦰼 (𦰼), 𦰽 (𦰽), 𦰾 (𦰾), 𦰿 (𦰿), 𦱀 (𦱀), 𦱁 (𦱁), 𦱂 (𦱂), 𦱃 (𦱃), 𦱄 (𦱄), 𦱅 (𦱅), 𦱆 (𦱆), 𦱇 (𦱇), 𦱈 (𦱈), 𦱉 (𦱉), 𦱊 (𦱊), 𦱋 (𦱋), 𦱌 (𦱌), 𦱍 (𦱍), 𦱎 (𦱎), 𦱏 (𦱏), 𦱐 (𦱐), 𦱑 (𦱑), 𦱒 (𦱒), 𦱓 (𦱓), 𦱔 (𦱔), 𦱕 (𦱕), 𦱖 (𦱖), 𦱗 (𦱗), 𦱘 (𦱘), 𦱙 (𦱙), 𦱚 (𦱚), 𦱛 (𦱛), 𦱜 (𦱜), 𦱝 (𦱝), 𦱞 (𦱞), 𦱟 (𦱟), 𦱠 (𦱠), 𦱡 (𦱡), 𦱢 (𦱢), 𦱣 (𦱣), 𦱤 (𦱤), 𦱥 (𦱥), 𦱦 (𦱦), 𦱧 (𦱧), 𦱨 (𦱨), 𦱩 (𦱩), 𦱪 (𦱪), 𦱫 (𦱫), 𦱬 (𦱬), 𦱭 (𦱭), 𦱮 (𦱮), 𦱯 (𦱯), 𦱰 (𦱰), 𦱱 (𦱱), 𦱲 (𦱲), 𦱳 (𦱳), 𦱴 (𦱴), 𦱵 (𦱵), 𦱶 (𦱶), 𦱷 (𦱷), 𦱸 (𦱸), 𦱹 (𦱹), 𦱺 (𦱺), 𦱻 (𦱻), 𦱼 (𦱼), 𦱽 (𦱽), 𦱾 (𦱾), 𦱿 (𦱿), 𦲀 (𦲀), 𦲁 (𦲁), 𦲂 (𦲂), 𦲃 (𦲃), 𦲄 (𦲄), 𦲅 (𦲅), 𦲆 (𦲆), 𦲇 (𦲇), 𦲈 (𦲈), 𦲉 (𦲉), 𦲊 (𦲊), 𦲋 (𦲋), 𦲌 (𦲌), 𦲍 (𦲍), 𦲎 (𦲎), 𦲏 (𦲏), 𦲐 (𦲐), 𦲑 (𦲑), 𦲒 (𦲒), 𦲓 (𦲓), 𦲔 (𦲔), 𦲕 (𦲕), 𦲖 (𦲖), 𦲗 (𦲗), 𦲘 (𦲘), 𦲙 (𦲙), 𦲚 (𦲚), 𦲛 (𦲛), 𦲜 (𦲜), 𦲝 (𦲝), 𦲞 (𦲞), 𦲟 (𦲟), 𦲠 (𦲠), 𦲡 (𦲡), 𦲢 (𦲢), 𦲣 (𦲣), 𦲤 (𦲤), 𦲥 (𦲥), 𦲦 (𦲦), 𦲧 (𦲧), 𦲨 (𦲨), 𦲩 (𦲩), 𦲪 (𦲪), 𦲫 (𦲫), 𦲬 (𦲬), 𦲭 (𦲭), 𦲮 (𦲮), 𦲯 (𦲯), 𦲰 (𦲰), 𦲱 (𦲱), 𦲲 (𦲲), 𦲳 (𦲳), 𦲴 (𦲴), 𦲵 (𦲵), 𦲶 (𦲶), 𦲷 (𦲷), 𦲸 (𦲸), 𦲹 (𦲹), 𦲺 (𦲺), 𦲻 (𦲻), 𦲼 (𦲼), 𦲽 (𦲽), 𦲾 (𦲾), 𦲿 (𦲿), 𦳀 (𦳀), 𦳁 (𦳁), 𦳂 (𦳂), 𦳃 (𦳃), 𦳄 (𦳄), 𦳅 (𦳅), 𦳆 (𦳆), 𦳇 (𦳇), 𦳈 (𦳈), 𦳉 (𦳉), 𦳊 (𦳊), 𦳋 (𦳋), 𦳌 (𦳌), 𦳍 (𦳍), 𦳎 (𦳎), 𦳏 (𦳏), 𦳐 (𦳐), 𦳑 (𦳑), 𦳒 (𦳒), 𦳓 (𦳓), 𦳔 (𦳔), 𦳕 (𦳕), 𦳖 (𦳖), 𦳗 (𦳗), 𦳘 (𦳘), 𦳙 (𦳙), 𦳚 (𦳚), 𦳛 (𦳛), 𦳜 (𦳜), 𦳝 (𦳝), 𦳞 (𦳞), 𦳟 (𦳟), 𦳠 (𦳠), 𦳡 (𦳡), 𦳢 (𦳢), 𦳣 (𦳣), 𦳤 (𦳤), 𦳥 (𦳥), 𦳦 (𦳦), 𦳧 (𦳧), 𦳨 (𦳨), 𦳩 (𦳩), 𦳪 (𦳪), 𦳫 (𦳫), 𦳬 (𦳬), 𦳭 (𦳭), 𦳮 (𦳮), 𦳯 (𦳯), 𦳰 (𦳰), 𦳱 (𦳱), 𦳲 (𦳲), 𦳳 (𦳳), 𦳴 (𦳴), 𦳵 (𦳵), 𦳶 (𦳶), 𦳷 (𦳷), 𦳸 (𦳸), 𦳹 (𦳹), 𦳺 (𦳺), 𦳻 (𦳻), 𦳼 (𦳼), 𦳽 (𦳽), 𦳾 (𦳾), 𦳿 (𦳿), 𦴀 (𦴀), 𦴁 (𦴁), 𦴂 (𦴂), 𦴃 (𦴃), 𦴄 (𦴄), 𦴅 (𦴅), 𦴆 (𦴆), 𦴇 (𦴇), 𦴈 (𦴈), 𦴉 (𦴉), 𦴊 (𦴊), 𦴋 (𦴋), 𦴌 (𦴌), 𦴍 (𦴍), 𦴎 (𦴎), 𦴏 (𦴏), 𦴐 (𦴐), 𦴑 (𦴑), 𦴒 (𦴒), 𦴓 (𦴓), 𦴔 (𦴔), 𦴕 (𦴕), 𦴖 (𦴖), 𦴗 (𦴗), 𦴘 (𦴘), 𦴙 (𦴙), 𦴚 (𦴚), 𦴛 (𦴛), 𦴜 (𦴜), 𦴝 (𦴝), 𦴞 (𦴞), 𦴟 (𦴟), 𦴠 (𦴠), 𦴡 (𦴡), 𦴢 (𦴢), 𦴣 (𦴣), 𦴤 (𦴤), 𦴥 (𦴥), 𦴦 (𦴦), 𦴧 (𦴧), 𦴨 (𦴨), 𦴩 (𦴩), 𦴪 (𦴪), 𦴫 (𦴫), 𦴬 (𦴬), 𦴭 (𦴭), 𦴮 (𦴮), 𦴯 (𦴯), 𦴰 (𦴰), 𦴱 (𦴱), 𦴲 (𦴲), 𦴳 (𦴳), 𦴴 (𦴴), 𦴵 (𦴵), 𦴶 (𦴶), 𦴷 (𦴷), 𦴸 (𦴸), 𦴹 (𦴹), 𦴺 (𦴺), 𦴻 (𦴻), 𦴼 (𦴼), 𦴽 (𦴽), 𦴾 (𦴾), 𦴿 (𦴿), 𦵀 (𦵀), 𦵁 (𦵁), 𦵂 (𦵂), 𦵃 (𦵃), 𦵄 (𦵄), 𦵅 (𦵅), 𦵆 (𦵆), 𦵇 (𦵇), 𦵈 (𦵈), 𦵉 (𦵉), 𦵊 (𦵊), 𦵋 (𦵋), 𦵌 (𦵌), 𦵍 (𦵍), 𦵎 (𦵎), 𦵏 (𦵏), 𦵐 (𦵐), 𦵑 (𦵑), 𦵒 (𦵒), 𦵓 (𦵓), 𦵔 (𦵔), 𦵕 (𦵕), 𦵖 (𦵖), 𦵗 (𦵗), 𦵘 (𦵘), 𦵙 (𦵙), 𦵚 (𦵚), 𦵛 (𦵛), 𦵜 (𦵜), 𦵝 (𦵝), 𦵞 (𦵞), 𦵟 (𦵟), 𦵠 (𦵠), 𦵡 (𦵡), 𦵢 (𦵢), 𦵣 (𦵣), 𦵤 (𦵤), 𦵥 (𦵥), 𦵦 (𦵦), 𦵧 (𦵧), 𦵨 (𦵨), 𦵩 (𦵩), 𦵪 (𦵪), 𦵫 (𦵫), 𦵬 (𦵬), 𦵭 (𦵭), 𦵮 (𦵮), 𦵯 (𦵯), 𦵰 (𦵰), 𦵱 (𦵱), 𦵲 (𦵲), 𦵳 (𦵳), 𦵴 (𦵴), 𦵵 (𦵵), 𦵶 (𦵶), 𦵷 (𦵷), 𦵸 (𦵸), 𦵹 (𦵹), 𦵺 (𦵺), 𦵻 (𦵻), 𦵼 (𦵼), 𦵽 (𦵽), 𦵾 (𦵾), 𦵿 (𦵿), 𦶀 (𦶀), 𦶁 (𦶁), 𦶂 (𦶂), 𦶃 (𦶃), 𦶄 (𦶄), 𦶅 (𦶅), 𦶆 (𦶆), 𦶇 (𦶇), 𦶈 (𦶈), 𦶉 (𦶉), 𦶊 (𦶊), 𦶋 (𦶋), 𦶌 (𦶌), 𦶍 (𦶍), 𦶎 (𦶎), 𦶏 (𦶏), 𦶐 (𦶐), 𦶑 (𦶑), 𦶒 (𦶒), 𦶓 (𦶓), 𦶔 (𦶔), </div> |

### 3. Thirty Letter Signs

The *Homonyms* text also lists thirty signs labelled as “thirty letters” 𪚩𪚪𪚫𪚬 (highlighted in blue in Fig. 1). These thirty signs can be divided into nine series of between two and four signs, with each series showing an incremental increase in stroke complexity (see Table 2).

**Table 2: “30 letters” listed in the *Homonyms***

| Series | Nos.  | 30 Letters |
|--------|-------|------------|
| 1      | 1-4   | 一 二 三 四    |
| 2      | 5-8   | 一 二 三 四    |
| 3      | 9-11  | 丨 丨 丨      |
| 4      | 12-15 | 𪚩 𪚪 𪚫 𪚬    |
| 5      | 16-18 | 𪚭 𪚮 𪚯      |
| 6      | 19-22 | 𪚰 𪚱 𪚲 𪚳    |
| 7      | 23-24 | 𪚴 𪚵        |
| 8      | 25-28 | 𪚶 𪚷 𪚸 𪚹    |
| 9      | 29-30 | 𪚺 𪚻        |

Series 1–3 consist of one through four short horizontal, long horizontal, and vertical strokes resembling tally marks, whereas Series 4–9 consist of a sequence of sub-components incrementally resulting in the components 𪚩 (U+18842), 𪚪 (U+18904), 𪚫 (U+188C0), 𪚬 (U+18805), and 𪚭 (U+1890A). The signs that correspond to encoded Tangut components are highlighted in yellow in Table 2. There are four sub-component signs that are not currently encoded as Tangut components (𪚮 𪚯 𪚰 𪚱).

Despite the title of this section, these thirty signs do not appear to be letters for a writing system, and as they do not occur anywhere else, their exact purpose is unknown. Therefore, none of the tally-like marks and unencoded sub-components are proposed for encoding at present.

#### 4. Proposed Additions

The following seven Tangut components listed in the *Homonyms* are proposed for encoding. The proposed names simply extend the sequential numbers of the existing Tangut components.

| Code Point | Glyph | Character Name       |
|------------|-------|----------------------|
| 18AF3      | 𐞪     | TANGUT COMPONENT-756 |
| 18AF4      | 𐞫     | TANGUT COMPONENT-757 |
| 18AF5      | 𐞬     | TANGUT COMPONENT-758 |
| 18AF6      | 𐞭     | TANGUT COMPONENT-759 |
| 18AF7      | 𐞮     | TANGUT COMPONENT-760 |
| 18AF8      | 𐞯     | TANGUT COMPONENT-761 |
| 18AF9      | 𐞰     | TANGUT COMPONENT-762 |

#### Unicode data properties:

18AF3; TANGUT COMPONENT-756; L<sub>O</sub>; 0; L; ; ; ; ; N; ; ; ; ;

...

18AF9; TANGUT COMPONENT-762; L<sub>O</sub>; 0; L; ; ; ; ; N; ; ; ; ;

All other Unicode character properties should be the same as for U+18800 TANGUT COMPONENT-001.

## **5. Bibliography**

West, Andrew. “An introduction to the Tangut *Homonyms*”. *Journal of Chinese Writing Systems*. June 2018 (Forthcoming). DOI: 10.1177/2513850218778825



## 6. Proposal Summary Form

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p><b>ISO/IEC JTC 1/SC 2/WG 2</b></p> <p><b>PROPOSAL SUMMARY FORM TO ACCOMPANY SUBMISSIONS</b></p> <p><b>FOR ADDITIONS TO THE REPERTOIRE OF ISO/IEC 10646<sup>1</sup>.</b></p> <p>Please fill all the sections A, B and C below.</p> <p>Please read Principles and Procedures Document (P &amp; P) from <a href="http://www.dkuug.dk/JTC1/SC2/WG2/docs/principles.html">http://www.dkuug.dk/JTC1/SC2/WG2/docs/principles.html</a> for guidelines and details before filling this form.</p> <p>Please ensure you are using the latest Form from <a href="http://www.dkuug.dk/JTC1/SC2/WG2/docs/summaryform.html">http://www.dkuug.dk/JTC1/SC2/WG2/docs/summaryform.html</a>.</p> <p>See also <a href="http://www.dkuug.dk/JTC1/SC2/WG2/docs/roadmaps.html">http://www.dkuug.dk/JTC1/SC2/WG2/docs/roadmaps.html</a> for latest Roadmaps.</p> |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

### A. Administrative

|                                                                  |                                                              |  |     |
|------------------------------------------------------------------|--------------------------------------------------------------|--|-----|
| 1. Title:                                                        | <b>Proposal to encode seven additional Tangut components</b> |  |     |
| 2. Requester's name:                                             | Andrew West                                                  |  |     |
| 3. Requester type (Member body/Liaison/Individual contribution): | Individual contribution                                      |  |     |
| 4. Submission date:                                              | 2018-06-01                                                   |  |     |
| 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:                    |                                                              |  | YES |

### 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:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Tangut Components                   |                                         |                          |
| 2. Number of characters in proposal:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                     |                                         | 7                        |
| 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"/> |
| C-Major extinct                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | <input checked="" type="checkbox"/> | D-Attested extinct                      | <input type="checkbox"/> |
| F-Archaic Hieroglyphic or Ideographic                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | <input type="checkbox"/>            | E-Minor extinct                         | <input type="checkbox"/> |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                     | G-Obscure or questionable usage symbols | <input type="checkbox"/> |
| 4. Is a repertoire including character names provided?                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                     |                                         |                          |
| 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?                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Andrew West                         |                                         |                          |
| b. Identify the party granting a license for use of the font by the editors (include address, e-mail, ftp-site, etc.):                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Andrew West                         |                                         |                          |
| 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:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                     |                                         |                          |
| <p>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 <a href="http://www.unicode.org">http://www.unicode.org</a> for such information on other scripts. Also see Unicode Character Database ( <a href="http://www.unicode.org/reports/tr44/">http://www.unicode.org/reports/tr44/</a> ) and associated Unicode Technical Reports for information needed for consideration by the Unicode Technical Committee for inclusion in the Unicode Standard.</p> |                                     |                                         |                          |

<sup>1</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?                                                                                       | 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?                                                                                                                                             |      |
| various Tangut experts                                                                                                                                         |      |
| If YES, available relevant documents:                                                                                                                          |      |
| 3. Information on the user community for the proposed characters (for example: size, demographics, information technology use, or publishing use) is included? | NO   |
| Reference:                                                                                                                                                     |      |
| 4. The context of use for the proposed characters (type of use; common or rare)                                                                                | rare |
| Reference:                                                                                                                                                     |      |
| 5. Are the proposed characters in current use by the user community?                                                                                           | N/A  |
| If YES, where? Reference:                                                                                                                                      |      |
| 6. After giving due considerations to the principles in the P&P document must the proposed characters be entirely in the BMP?                                  | NO   |
| If YES, is a rationale provided?                                                                                                                               |      |
| If YES, reference:                                                                                                                                             |      |
| 7. Should the proposed characters be kept together in a contiguous range (rather than being scattered)?                                                        | YES  |
| 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:                                                                                                                                             |      |