

MONGOLIAN BASE FORMS, POSITIONAL FORMS, & VARIANT FORMS

(With great appreciation to Dr. Quejingzhabu for his many years of research and counsel
and Microsoft staff Aaron Bell / Andrew Glass for our many man-years of collaboration)

April 15, 2017 (Greg Eck - greyson@postone.net)

TARGET AUDIENCE: Font developers

OBJECTIVE: Full specification of Mongolian/Todo/Sibe/Manchu/AliGali script base forms, positional forms, and variant forms. It should be noted that full specification of implementation logic is beyond the scope of this paper. It should be noted that the emphasis of this paper is stand-alone text rather than running text. However, all running text forms, aside from ligatures should be found here. This paper is not meant to be a replacement for the Chinese Standard nor the Ulaanbaatar Mongolian Standard. It is derived from these two standards. Suggestions such as in the yellow/violet highlighting are derived from external discussions such as the Unicode Forum.

LEGEND

The first line of a given character section will always give the Unicode form. If the Unicode form matches the main isolate form, then there will be no line for the isolate and it will be understood that the first line of a section also gives the main isolate form. Given the rare case where the Unicode presentation form is not the isolate (1824, 1826, 184A, 184B, 184F, 1859, 185D, 185E, 1861, 1862, 1863, 1873, 1874, 1875, 1876), the first line will define the Unicode form as already stated, the second line will define the main isolate (termed the first isolate), the second line and following will define additional isolates.

* – Ligatures formed using this consonantal isolate appear in the initial-medial, initial-final, medial-medial, medial-final positions

\$ – Ligatures formed at this code-point appear in the initial-medial, initial-final, medial-medial, medial-final positions. These code-points should actually include an isolate loop to signify the initial/medial feminine forms which are found in the ligatures but never show up independently

& – Variants used with the FVS only for reasons of stylistics, archaic anomalies as well as some few contemporary spelling anomalies, compound spellings, and foreign spellings

% – Unicode code-point forms that are not specified as isolates, therefore the only way of viewing these glyphs is by positional simulation using ZWJ. FVS specification should be a future consideration for ease of usage in stand-alone environments. There are 13 such cases as listed above.

(X₁X₂X₃X₄) – denotes script usage (X₁=Mongolian, X₂=Todo, X₃=Sibe, X₄=Manchu); positional glyphs which show no “X” at all are to be understood as undefined (such glyphs at this position are only the recommended form, not a required form).

Yellow highlighting denotes a difference from the Chinese Delegation (WG2#65)

Purple highlighting indicates a proposal for a new FVS assignment

Blue highlighting notes a need for refinement or just additional information

Grey highlighting denotes items affected by MSC/MVS

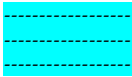
NOTE: There is an appendix to this paper which discusses the MVS model (DS00-MVS) as well as the MSC model (DS00-MS). Assumptions inherent to these models will impact certain notations in this paper.

NOTE: 1828, 182C, 182D, 182E, 182F, 1830, 1831, 1835, 1836, 1837, 1838 are all potentially pre-MVS.

NOTE: 1820, 1822, 1824, 1826, 1828, 182A(ligatures), 182C(ligatures), 182F, 1820, 1833, 1835, 1836 are all potentially post-MS.

		Punctuation			
1800	(xx_)	?	MONGOLIAN BIRGA	1166C	(xx_)
11660	(xx_)	᠐	MONGOLIAN BIRGA WITH ORNAMENT	1801	(xxxx)
11664	(xx_)	᠑	MONGOLIAN BIRGA WITH DOUBLE ORNAMENT	1802	(xx_)
11662	(xx_)	᠒	MONGOLIAN DOUBLE BIRGA WITH ORNAMENT	1803	(xx_)
11663	(xx_)	᠓	MONGOLIAN TRIPLE BIRGA WITH ORNAMENT	1804	(xxxx)
11661	(xx_)	᠔	MONGOLIAN ROTATED BIRGA	1805	(xx_)
11665	(xx_)	᠕	MONGOLIAN ROTATED BIRGA WITH ORNAMENT	1806	(_x_)
11666	(xx_)	᠖	MONGOLIAN ROTATED BIRGA WITH DOUBLE ORNAMENT	1808	(__x)
11667	(xx_)	᠗	MONGOLIAN INVERTED BIRGA	1809	(__x)
11668	(xx_)	᠘	MONGOLIAN INVERTED BIRGA WITH DOUBLE ORNAMENT		
11669	(xx_)	᠙	MONGOLIAN SWIRL BIRGA		
1166A	(xx_)	᠐᠀	MONGOLIAN SWIRL BIRGA WITH ORNAMENT		
1166B	(xx_)	᠐᠁	MONGOLIAN SWIRL BIRGA WITH DOUBLE ORNAMENT		
				᠐᠂	MONGOLIAN TURNED SWIRL BIRGA WITH DOUBLE ORNAMENT
				᠐᠃	MONGOLIAN ELLIPSIS
				᠐᠄	MONGOLIAN COMMA
				᠐᠅	MONGOLIAN FULL STOP
				᠐᠆	MONGOLIAN COLON
				᠐᠇	MONGOLIAN FOUR DOTS
				᠐᠈	MONGOLIAN TODO SOFT HYPHEN
				᠐᠉	MONGOLIAN MANCHU COMMA
				᠐᠊	MONGOLIAN MANCHU FULL STOP

NOTE: A Mongolian vertical font should also **the following punctuation ...**



Marks

1885	(xx_x)		MONGOLIAN LETTER ALI GALI BALUDA <i>(this is not a letter – it is a diacritic mark)</i>
1886	(xx_x)		MONGOLIAN LETTER ALI GALI THREE BALUDA <i>(this is not a letter – it is a diacritic mark)</i>
18A9	(x__)		MONGOLIAN LETTER ALI GALI DAGALGA <i>(this is not a letter – it is a diacritic mark)</i>

Control Characters

180B	(XXXX)		MONGOLIAN FREE VARIATION SELECTOR ONE
180C	(XXXX)		MONGOLIAN FREE VARIATION SELECTOR TWO
180D	(XXXX)		MONGOLIAN FREE VARIATION SELECTOR THREE

Format Characters

180E	(XXXX)		MONGOLIAN VOWEL SEPARATOR <i>(or ... Mongolian Tsatslag Connector)</i>
180F	(XXXX)		MONGOLIAN SUFFIX CONNECTOR <i>Proposal #1 Graphic should read MSC for Mongolian Suffix Connector</i>

NOTE: A Mongolian vertical font should also include the control characters MSC (U+202F), ZWJ (U+200D), ZNWJ (U+200C) and at least VS01 (U+FE00) through VS05 (U+FE04).

Numbers

(rotated 90 degrees clockwise in vertical display)

1810	(xx__)		MONGOLIAN DIGIT ZERO
1811	(xx__)		MONGOLIAN DIGIT ONE
1812	(xx__)		MONGOLIAN DIGIT TWO
1813	(xx__)		MONGOLIAN DIGIT THREE
1814	(xx__)		MONGOLIAN DIGIT FOUR
1815	(xx__)		MONGOLIAN DIGIT FIVE
1816	(xx__)		MONGOLIAN DIGIT SIX
1817	(xx__)		MONGOLIAN DIGIT SEVEN
1818	(xx__)		MONGOLIAN DIGIT EIGHT
1819	(xx__)		MONGOLIAN DIGIT NINE

NOTE: These digits should also be rotate-able 270 degrees clockwise from current display (either by the font or by upper-level layout)

NOTE: A Mongolian vertical font should also have Latin digits which will rotate 270 degrees clockwise from current display also (either by the font or by upper-level layout)

- 181A <reserved>
- 181B <reserved>
- 181C <reserved>
- 181D <reserved>
- 181E <reserved>
- 181F <reserved>

Mongolian Letters

1807	(__xx)		MONGOLIAN SIBE SYLLABLE BOUNDARY MARKER
1807+ZWJ	(__)		<i>Initial Form</i>
ZWJ+1807+ZWJ	(__xx)		<i>Medial Form</i>
ZWJ+1807	(__)		<i>Final Form</i>

The question has been raised as to whether this character might be more broadly used than just in Sibe and Manchu. Included with the letters, although it is not a letter, as well it is not a diacritic mark, it is a marker, and it is implemented as a letter.

180A	(xxxx)		MONGOLIAN NIRUGU
180A+ZWJ	(xxxx)		<i>Initial Form</i>
ZWJ+180A+ZWJ	(xxxx)		<i>Medial Form</i>
ZWJ+180A	(xxxx)		<i>First Final Form</i>
ZWJ+180A+FVS1	(xxxx)		<i>Second Final Form</i>

STATUS: Included in Chinese Proposal – WG2#65
Included with the letters, although it is not a letter, it is implemented as a letter.

1820	(xxxx)		MONGOLIAN LETTER A
1820	(xx__)		<i>First Isolate Form</i>
1820+FVS1	(xx__)		<i>Second Isolate Form</i>
1820+ZWJ	(xxxx)		<i>First Initial Form</i>
1820+FVS1+ZWJ	(xx__)		<i>Second Initial Form</i>
ZWJ+1820+ZWJ	(xxxx)		<i>First Medial Form</i>
ZWJ+1820+FVS1+ZWJ	(xx__)		<i>Second Medial Form[ⓔ]</i>
ZWJ+1820	(xxxx)		<i>First Final Form</i>
ZWJ+1820+FVS1	(xx__)		<i>Second Final Form</i> <i>(this is the oragshilig-A; no space)</i>

MVS+1820	(xx__)		<i>MVS-A Form</i> <i>(this is the MVS tsatslag; space included in glyph)</i>
MSC+1820+ZWJ	(xx__)		<i>MSC-ACA Form</i> <i>(implemented as post-MS-C initial; space included in glyph)</i>
MSC+1820	(xx__)		<i>MSC-A Form</i> <i>(this is the MSC tsatslag; space included in glyph)</i>

1821	(x__)		MONGOLIAN LETTER E
1821	(x__)		<i>Isolate Form</i>
1821+ZWJ	(x__)		<i>First Initial Form</i>
1821+FVS1+ZWJ	(x__)		<i>Second Initial Form[ⓔ]</i>
ZWJ+1821+ZWJ	(x__)		<i>First Medial Form</i>
ZWJ+1821	(x__)		<i>First Final Form</i>
ZWJ+1821+FVS1	(x__)		<i>Second Final Form</i> <i>(this is the oragshilig-E)</i>
MVS+1821	(xx__)		<i>MVS-E Form</i> <i>(this is the MVS tsatslag; space included)</i>
MSC+1821+ZWJ	(x__)		<i>MSC-ECE Form</i> <i>(implemented as post-MS-C initial; space included in glyph)</i>
MSC+1821	(xx__)		<i>MSC-E Form</i> <i>(this is the MSC tsatslag; space included)</i>

1822	(x__)		MONGOLIAN LETTER I
1822	(x__)		<i>First Isolate Form</i>
1822+FVS1	(x__)		<i>Second Isolate Form</i> <i>(needed to place suffix at line-break position)</i>
1822+ZWJ	(x__)		<i>Initial Form</i>
1822+FVS1+ZWJ	(x__)		<i>Second Initial Form</i> <i>(needed to place suffix at line-break position)</i>
ZWJ+1822+ZWJ	(x__)		<i>First Medial Form</i>
ZWJ+1822+FVS1+ZWJ	(x__)		<i>Second Medial Form[ⓔ]</i>
ZWJ+1822+FVS2+ZWJ	(x__)		<i>Third Medial Form</i>

STATUS: Included in Chinese Proposal – WG2#65

		(context-driven)	
ZWJ+1822	ᠨ (x__)	First Final Form	
ZWJ+1822+FVS2	ᠨ (x__)	Second Final Form	
<small>STATUS: Included in Chinese Proposal – WG2#65</small>			
		(only implemented with MSC)	
MSC+1822	ᠨ (x__)	MSC-IYAN Form	
<small>(implemented as post-MSC initial; space included in glyph)</small>			
MSC+1822	ᠨ (x__)	MSC-I Form	
<small>(implemented as post-MSC isolate; space included in glyph)</small>			
1823 (x_xx)	ᠨ	MONGOLIAN LETTER O	
1823	ᠨ (x_xx)	Isolate Form	
1823+ZWJ	ᠨ (x_xx)	Initial Form	
ZWJ+1823+ZWJ	ᠨ (x_xx)	First Medial Form	
ZWJ+1823+FVS1+ZWJ	ᠨ (x__)	Second Medial Form [Ⓢ]	
ZWJ+1823	ᠨ (x_xx)	First Final Form	
ZWJ+1823+FVS1	ᠨ (x_xx)	Second Final Form [Ⓢ]	
1824 (x__)	ᠨ	MONGOLIAN LETTER U	
1824	ᠨ (x__)	First Isolate Form	
1824+FVS1	ᠨ (x__)	Second Isolate Form	
<small>(needed to place suffix at line-break position)</small>			
1824+FVS2	ᠨ (x__)	Third Isolate Form	
<small>STATUS: Included in Chinese Proposal – WG2#65</small>			
		(this is the Unicode presentation form)	
1824+ZWJ	ᠨ (x__)	First Initial Form [Ⓢ]	
1824+FVS1+ZWJ	ᠨ (x__)	Second Initial Form	
<small>(needed to place suffix at line-break position)</small>			
ZWJ+1824+ZWJ	ᠨ (x__)	First Medial Form	
ZWJ+1824+FVS1+ZWJ	ᠨ (x__)	Second Medial Form [Ⓢ]	
ZWJ+1824	ᠨ (x__)	First Final Form	
ZWJ+1824+FVS1	ᠨ (x__)	Second Final Form [Ⓢ]	
<small>STATUS: Included in Chinese Proposal – WG2#65</small>			
ZWJ+1824+FVS2	ᠨ (x__)	Third Final Form	
<small>STATUS: Included in Chinese Proposal – WG2#65</small>			
		(only implemented with MSC)	
MSC+1824+ZWJ	ᠨ (x__)	MSC-URUGU Form	
<small>(implemented as post-MSC initial; space included in glyph)</small>			
MSC+1824	ᠨ (x__)	MSC-UN Form	
<small>(implemented as post-MSC initial; space included in glyph)</small>			
MSC+1824	ᠨ (x__)	MSC-U Form	
<small>(implemented as post-MSC isolate; space included in glyph)</small>			
1825 (x__)	ᠨ	MONGOLIAN LETTER OE	
1825	ᠨ (x__)	Isolate Form	
1825+ZWJ	ᠨ (x__)	Initial Form	
ZWJ+1825+ZWJ	ᠨ (x__)	First Medial Form	
ZWJ+1825+FVS1+ZWJ	ᠨ (x__)	Second Medial Form	
<small>(context-driven)</small>			
ZWJ+1825+FVS2+ZWJ	ᠨ (x__)	Third Medial Form [Ⓢ]	
ZWJ+1825	ᠨ (x__)	First Final Form	
ZWJ+1825+FVS1	ᠨ (x__)	Second Final Form [Ⓢ]	
ZWJ+1825+FVS2	ᠨ (x__)	Third Final Form	
<small>STATUS: Included in Chinese Proposal – WG2#65</small>			

1826 (x__)	ᠨ	MONGOLIAN LETTER UE	
1826	ᠨ (x__)	First Isolate Form	
1826+FVS1	ᠨ (x__)	Second Isolate Form	
1826+FVS2	ᠨ (x__)	Third Isolate Form	
<small>(needed to place suffix at line-break position)</small>			
1826+FVS3	ᠨ (x__)	Fourth Isolate Form	
<small>STATUS: Included in Chinese Proposal – WG2#65</small>			
		(NOTE: this is the Unicode presentation form)	
1826+ZWJ	ᠨ (x__)	Initial Form [Ⓢ]	
1826+FVS1+ZWJ	ᠨ (x__)	Second Initial Form	
<small>(needed to place suffix at line-break position)</small>			
ZWJ+1826+ZWJ	ᠨ (x__)	First Medial Form	
ZWJ+1826+FVS1+ZWJ	ᠨ (x__)	Second Medial Form	
<small>(context-driven)</small>			
ZWJ+1826+FVS2+ZWJ	ᠨ (x__)	Third Medial Form [Ⓢ]	
ZWJ+1826	ᠨ (x__)	First Final Form	
ZWJ+1826+FVS1	ᠨ (x__)	Second Final Form [Ⓢ]	
ZWJ+1826+FVS2	ᠨ (x__)	Third Final Form	
<small>STATUS: Included in Chinese Proposal – WG2#65</small>			
ZWJ+1826+FVS3	ᠨ (x__)	Fourth Final Form	
<small>STATUS: Included in Chinese Proposal – WG2#65</small>			
		(only implemented with MSC)	
MSC+1826+ZWJ	ᠨ (x__)	MSC-UEN Form	
<small>(implemented as post-MSC initial; space included in glyph)</small>			
MSC+1824	ᠨ (x__)	MSC-UE Form	
<small>(implemented as post-MSC isolate; space included in glyph)</small>			
1827 (x__)	ᠨ	MONGOLIAN LETTER EE	
1827+ZWJ	ᠨ (x__)	Initial Form	
ZWJ+1827+ZWJ	ᠨ (x__)	Medial Form	
ZWJ+1827	ᠨ (x__)	Final Form	
1828 (xxxx)	ᠨ	MONGOLIAN LETTER NA	
1828+ZWJ	ᠨ (xxxx)	First Initial Form	
<small>(also context-driven in Todo)</small>			
1828+FVS1+ZWJ	ᠨ (x__)	Second Initial Form [Ⓢ]	
ZWJ+1828+ZWJ	ᠨ (xxxx)	First Medial Form	
<small>(context-driven)</small>			
ZWJ+1828+FVS1+ZWJ	ᠨ (xxxx)	Second Medial Form	
<small>(context-driven)</small>			
ZWJ+1828+FVS3+ZWJ	ᠨ (x__)	Fourth Medial Form	
<small>(context-driven, Todo only)</small>			
ZWJ+1828	ᠨ (xxxx)	Final Form	
<small>(context-driven – add in Baiti)</small>			
ZWJ+1828+FVS1	ᠨ (x__)	Second Final Form	
1828+MVS	ᠨ (x__)	MVS-N Form	
<small>(implemented as pre-MVS)</small>			
1829 (x__x)	ᠨ	MONGOLIAN LETTER ANG	
1829+ZWJ	ᠨ (x__)	Initial Form	
ZWJ+1829+ZWJ	ᠨ (x__x)	Medial Form	
ZWJ+1829	ᠨ (x__x)	Final Form	
182A (x_xx)	ᠨ	MONGOLIAN LETTER BA ^ᠰ	
182A+ZWJ	ᠨ (x_xx)	Initial Form	

ZWJ+182A+ZWJ ᠭ (x_xx) *Medial Form*
 ZWJ+182A ᠮ (x_xx) *First Final Form*
 ZWJ+182A+FVS1 ᠮ (x_) *Second Final Form*^᠑
 NOTE: MSC model requires 4 pre-spaced ligature glyphs at BAN/BEN/BAR/BER

182B (x_) ᠮ MONGOLIAN LETTER PA^S
 182B+ZWJ ᠮ (x_) *Initial Form*
 ZWJ+182B+ZWJ ᠮ (x_) *Medial Form*
 ZWJ+182B ᠮ (x_) *Final Form*

182C (x_) ᠯ MONGOLIAN LETTER QA
 182C+FVS1 ᠯ (x_) *Second Isolate Form*^{*}
STATUS: Included in Chinese Proposal – WG2/#65
 182C+FVS2 ᠯ (x_) *Third Isolate Form*^{*}
STATUS: Included in Chinese Proposal – WG2/#65
 182C+ZWJ ᠯ (x_) *First Initial Form*
 182C+FVS1+ZWJ ᠯ (x_) *Second Initial Form*^᠑
 182C+FVS2+ZWJ ᠯ (x_) *Third Initial Form*
STATUS: Included in Chinese Proposal – WG2/#65
 182C+FVS3+ZWJ ᠯ (x_) *Fourth Initial Form*
STATUS: Included in Chinese Proposal – WG2/#65
 ZWJ+182C+ZWJ ᠯ (x_) *First Medial Form*
 ZWJ+182C+FVS1+ZWJ ᠯ (x_) *Second Medial Form*^᠑
 ZWJ+182C+FVS3+ZWJ ᠯ (x_) *Third Medial Form*
STATUS: Included in Chinese Proposal – WG2/#65
 ZWJ+182C+FVS4+ZWJ ᠯ (x_) *Fourth Medial Form*
STATUS: Included in Chinese Proposal – WG2/#65
 ZWJ+182C ᠯ (x_) *First Final Form*
 ZWJ+182C+FVS1 ᠯ (x_) *Second Final Form*
 ZWJ+182C+MVS ᠯ (x_) *MVS-Q1 Form*
(implemented as pre-MVS)
 ZWJ+182C+FVS1+MVS ᠯ (x_) *MVS-Q2 Form*
(implemented as pre-MVS)

182D (x_) ᠮ MONGOLIAN LETTER GA
 182D+FVS1 ᠮ (x_) *Second Isolate Form*^{*}
STATUS: Included in Chinese Proposal – WG2/#65
 182D+FVS2 ᠮ (x_) *Third Isolate Form*^{*}
STATUS: Included in Chinese Proposal – WG2/#65
 182D+ZWJ ᠮ (x_) *First Initial Form*
 182D+FVS1+ZWJ ᠮ (x_) *Second Initial Form*^᠑
 182D+FVS2+ZWJ ᠮ (x_) *Third Initial Form*
STATUS: Included in Chinese Proposal – WG2/#65
(context-driven)
 182D+FVS3+ZWJ ᠮ (x_) *Fourth Initial Form*
STATUS: Included in Chinese Proposal – WG2/#65
 ZWJ+182D+ZWJ ᠮ (x_) *First Medial Form*
 ZWJ+182D+FVS1+ZWJ ᠮ (x_) *Second Medial Form*
(context-driven)
 ZWJ+182D+FVS2+ZWJ ᠮ (x_) *Third Medial Form*
 ZWJ+182D+FVS3+ZWJ ᠮ (x_) *Fourth Medial Form*
STATUS: Included in Chinese Proposal – WG2/#65
(context-driven)
 ZWJ+182D ᠮ (x_) *First Final Form*
 ZWJ+182D+FVS1 ᠮ (x_) *Second Final Form*
STATUS: Agreed upon by UTC at WG2/#65
(needed as over-ride for SIG+FVS1)
 ZWJ+182D+FVS2 ᠮ (x_) *Third Final Form*
STATUS: Agreed upon by UTC at WG2/#65
(context-driven; eg. ABSIG+FVS2)

ZWJ+182D+FVS3 ᠮ (x_) *Fourth Final Form*
 ZWJ+182D+MVS ᠮ (x_) *MVS-G1 Form*
(implemented as pre-MVS)
 ZWJ+182D+FVS1+MVS ᠮ (x_) *MVS-G2 Form*
(implemented as pre-MVS)

182E (x_xx) ᠮ MONGOLIAN LETTER MA
 182E+ZWJ ᠮ (x_xx) *Initial Form*
 ZWJ+182E+ZWJ ᠮ (x_xx) *Medial Form*
 ZWJ+182E ᠮ (x_xx) *Final Form*

182F (xxxx) ᠮ MONGOLIAN LETTER LA
 182F+ZWJ ᠮ (xxxx) *Initial Form*
 ZWJ+182F+ZWJ ᠮ (xxxx) *Medial Form*
 ZWJ+182F ᠮ (xxxx) *Final Form*
 MSC+182F ᠮ (xxxx) *MSC-L Form*
(implemented as post-MSC initial;
 space included in glyph)

1830 (xxxx) ᠮ MONGOLIAN LETTER SA
 1830+ZWJ ᠮ (xxxx) *Initial Form*
 ZWJ+1830+ZWJ ᠮ (xxxx) *Medial Form*
 ZWJ+1830 ᠮ (xxxx) *First Final Form*
 ZWJ+1830+FVS1 ᠮ (x_) *Second Final Form*^᠑
 ZWJ+1830+FVS2 ᠮ (x_) *Third Final Form*^᠑

1831 (xx_) ᠮ MONGOLIAN LETTER SHA
 1831+ZWJ ᠮ (xx_) *First Initial Form*
 1831+FVS1+ZWJ ᠮ (xx_) *Second Initial Form*
(needed in Inner Mongolia for pre-L context)
 ZWJ+1831+ZWJ ᠮ (xx_) *First Medial Form*
 ZWJ+1831+FVS1+ZWJ ᠮ (xx_) *Second Medial Form*
(needed in Inner Mongolia for pre-L context)
 ZWJ+1831 ᠮ (xx_) *Final Form*

1832 (x_) ᠮ MONGOLIAN LETTER TA
 1832+ZWJ ᠮ (x_) *Initial Form*
 ZWJ+1832+ZWJ ᠮ (x_) *First Medial Form*
 ZWJ+1832+FVS1+ZWJ ᠮ (x_) *Second Medial Form*^᠑
 ZWJ+1832 ᠮ (x_) *Final Form*
 MSC+1832 ᠮ (x_) *MSC-T Form*
(implemented as post-MSC initial;
 space included in glyph)

1833 (x_) ᠮ MONGOLIAN LETTER DA
 1833+ZWJ ᠮ (x_) *First Initial Form*
 1833+FVS1+ZWJ ᠮ (x_) *Second Initial Form*
 ZWJ+1833+ZWJ ᠮ (x_) *First Medial Form*
 ZWJ+1833+FVS1+ZWJ ᠮ (x_) *Second Medial Form*
(context-driven)
 ZWJ+1833 ᠮ (x_) *First Final Form*
 ZWJ+1833+FVS1 ᠮ (x_) *Second Final Form*^᠑
 MSC+1833+ZWJ ᠮ (x_) *MSC-D Form*
(implemented as post-MSC initial;

space included in glyph)

1834 (xxxx) **ᠴ** MONGOLIAN LETTER CHA
 1834+ZWJ **ᠴ** (xxxx) *Initial Form*
 ZWJ+1834+ZWJ **ᠴ** (xxxx) *Medial Form*
 ZWJ+1834 **ᠴ** (x_) *Final Form*

1835 (x_x) **ᠵ** MONGOLIAN LETTER JA
 1835+ZWJ **ᠵ** (x_x) *Initial Form*
 ZWJ+1835+ZWJ **ᠵ** (x_x) *First Medial Form*
 ZWJ+1835 **ᠵ** (x_) *Final Form*
 ZWJ+1835+FVS1 **ᠵ** (x_) *Second Final Form*
 1835+MVS **ᠵ** (x_) *MVS-J Form*
 (implemented as pre-MVS;
 MSC+1835 **ᠵ** (x_) *MSC-J Form*
 (implemented as post-**MSC** initial;
 space included in glyph)

1836 (x_xx) **ᠶ** MONGOLIAN LETTER YA
 1836+ZWJ **ᠶ** (x_xx) *First Initial Form*
 1836+FVS1+ZWJ **ᠶ** (x_) *Second Initial Form*
 ZWJ+1836+ZWJ **ᠶ** (x_xx) *First Medial Form*
 ZWJ+1836+FVS1+ZWJ **ᠶ** (x_) *Second Medial Form*
 ZWJ+1836+FVS2+ZWJ **ᠶ** (x_) *Third Medial Form*
 STATUS: Agreed upon by UTC at WG2#65
 ZWJ+1836 **ᠶ** () *Final Form*
 1836+MVS **ᠶ** () *MVS-Y Form*
 (implemented as pre-MVS)
 MSC+1836+ZWJ **ᠶ** () *MSC-Y1 Form*
 (implemented as post-**MSC** initial;
 space included in glyph)
 MSC+1836+ZWJ **ᠶ** () *MSC-Y2 Form*
 (implemented as post-**MSC** initial;
 space included in glyph)

1837 (xxx_) **ᠷ** MONGOLIAN LETTER RA
 1837+ZWJ **ᠷ** (xxx_) *Initial Form*
 ZWJ+1837+ZWJ **ᠷ** (xxx_) *Medial Form*
 ZWJ+1837 **ᠷ** (xxx_) *Final Form*

1838 (xxxx) **ᠰ** MONGOLIAN LETTER WA
 1838+ZWJ **ᠰ** (xxxx) *Initial Form*
 ZWJ+1838+ZWJ **ᠰ** (xxxx) *First Medial Form*
 ZWJ+1838+FVS1+ZWJ **ᠰ** (x_) *Second Medial Form*
 STATUS: Included in Chinese Proposal – WG2#65
 ZWJ+1838 **ᠰ** (x_) *First Final Form*
 ZWJ+1838+FVS1 **ᠰ** (x_) *Second Final Form*⁸
 1838+MVS **ᠰ** (x_) *MVS-J Form*
 (implemented as pre-MVS)

1839 (x_) **ᠱ** MONGOLIAN LETTER FA⁵
 1839+ZWJ **ᠱ** (x_) *Initial Form*
 ZWJ+1839+ZWJ **ᠱ** (x_) *Medial Form*
 ZWJ+1839 **ᠱ** (x_) *Final Form*

183A (xxxx) **ᠰ** MONGOLIAN LETTER KA⁵
 183A+ZWJ **ᠰ** (xxxx) *Initial Form*
 ZWJ+183A+ZWJ **ᠰ** (xxxx) *Medial Form*
 ZWJ+183A **ᠰ** (x_) *Final Form*

183B (xx_) **ᠰ** MONGOLIAN LETTER KHA⁵
 183B+ZWJ **ᠰ** (xx_) *Initial Form*
 ZWJ+183B+ZWJ **ᠰ** (xx_) *Medial Form*
 ZWJ+183B **ᠰ** (xx_) *Final Form*

183C (x_) **ᠰ** MONGOLIAN LETTER TSA
 183C+ZWJ **ᠰ** (x_) *Initial Form*
 ZWJ+183C+ZWJ **ᠰ** (x_) *Medial Form*
 ZWJ+183C **ᠰ** (x_) *Final Form*

183D (x_) **ᠰ** MONGOLIAN LETTER ZA
 183D+ZWJ **ᠰ** (x_) *Initial Form*
 ZWJ+183D+ZWJ **ᠰ** (x_) *Medial Form*
 ZWJ+183D **ᠰ** (x_) *Final Form*

183E (x_) **ᠰ** MONGOLIAN LETTER HAA
 183E+ZWJ **ᠰ** (x_) *Initial Form*
 ZWJ+183E+ZWJ **ᠰ** (x_) *Medial Form*
 ZWJ+183E **ᠰ** (x_) *Final Form*

183F (x_) **ᠰ** MONGOLIAN LETTER ZRA
 183F+ZWJ **ᠰ** (x_) *Initial Form*
 ZWJ+183F+ZWJ **ᠰ** (x_) *Medial Form*
 ZWJ+183F **ᠰ** (x_) *Final Form*

1840 (xx_) **ᠰ** MONGOLIAN LETTER LHA
 1840+ZWJ **ᠰ** (xx_) *Initial Form*
 ZWJ+1840+ZWJ **ᠰ** (xx_) *Medial Form*
 ZWJ+1840 **ᠰ** () *Final Form*

1841 (x_) **ᠰ** MONGOLIAN LETTER ZHI
 1841+ZWJ **ᠰ** (x_) *Initial Form*
 ZWJ+1841+ZWJ **ᠰ** (x_) *Medial Form*
 ZWJ+1841 **ᠰ** () *Final Form*

1842 (x_) **ᠰ** MONGOLIAN LETTER CHI
 1842+ZWJ **ᠰ** (x_) *Initial Form*
 ZWJ+1842+ZWJ **ᠰ** (x_) *Medial Form*
 ZWJ+1842 **ᠰ** () *Final Form*

Todo Letters

1843 (x_) **ᠰ** MONGOLIAN LETTER TODO LONG VOWEL SIGN

1843+ZWJ	ᠠ (x)	Initial Form	184A+ZWJ	ᠠ (x)	Initial Form
ZWJ+1843+ZWJ	ᠠ (x)	Medial Form	ZWJ+184A+ZWJ	ᠠ (x)	Medial Form
ZWJ+1843	ᠠ (x)	Final Form	ZWJ+184A	ᠠ (x)	Final Form ⁶
1844 (x)	ᠠ	MONGOLIAN LETTER TODO E	184B (x)	ᠠ	MONGOLIAN LETTER TODO BA
1844+ZWJ	ᠠ (x)	Initial Form	184B	ᠠ (x)	Isolate Form
ZWJ+1844+ZWJ	ᠠ (x)	First Medial Form	184B+ZWJ	ᠠ (x)	Initial Form
ZWJ+1844+FVS1+ZWJ	ᠠ (x)	Second Medial Form ⁶	ZWJ+184B+ZWJ	ᠠ (x)	Medial Form
ZWJ+1844	ᠠ (x)	Final Form	ZWJ+184B	ᠠ (x)	Final Form ⁶
1845 (x)	ᠠ	MONGOLIAN LETTER TODO I	184C (x)	ᠠ	MONGOLIAN LETTER TODO PA ⁵
1845+ZWJ	ᠠ (x)	Initial Form	184C+ZWJ	ᠠ (x)	Initial Form
ZWJ+1845+ZWJ	ᠠ (x)	First Medial Form	ZWJ+184C+ZWJ	ᠠ (x)	Medial Form
ZWJ+1845+FVS1+ZWJ	ᠠ (x)	Second Medial Form	ZWJ+184C	ᠠ (x)	Final Form
ZWJ+1845	ᠠ (x)	Final Form	184D (x)	ᠠ	MONGOLIAN LETTER TODO QA
1846 (x)	ᠠ	MONGOLIAN LETTER TODO O	184D+FVS1	ᠠ (x)	Second Isolate Form
1846+ZWJ	ᠠ (x)	Initial Form	<small>STATUS: Included in Chinese Proposal – WG2#65</small>		
ZWJ+1846+ZWJ	ᠠ (x)	First Medial Form	184D+ZWJ	ᠠ (x)	Initial Form
ZWJ+1846+FVS1+ZWJ	ᠠ (x)	Second Medial Form ⁶	184D+FVS1+ZWJ	ᠠ (x)	Second Initial Form
ZWJ+1846	ᠠ (x)	Final Form	ZWJ+184D+ZWJ	ᠠ (x)	Medial Form
1847 (x)	ᠠ	MONGOLIAN LETTER TODO U	ZWJ+184D+FVS1+ZWJ	ᠠ (x)	Second Medial Form
1847+FVS1	ᠠ (x)	Second Isolate Form	ZWJ+184D	ᠠ (x)	Final Form
1847+ZWJ	ᠠ (x)	Initial Form	184E (x)	ᠠ	MONGOLIAN LETTER TODO GA
ZWJ+1847+ZWJ	ᠠ (x)	First Medial Form	184E+FVS1	ᠠ (x)	Second Isolate Form ⁶
ZWJ+1847+FVS1+ZWJ	ᠠ (x)	Second Medial Form ⁶	<small>STATUS: Included in Chinese Proposal – WG2#65</small>		
ZWJ+1847+FVS2+ZWJ	ᠠ (x)	Third Medial Form	184E+ZWJ	ᠠ (x)	Initial Form
ZWJ+1847	ᠠ (x)	First Final Form	184E+FVS1+ZWJ	ᠠ (x)	Second Initial Form
ZWJ+1847+FVS1	ᠠ (x)	Second Final Form	<small>STATUS: Included in Chinese Proposal – WG2#65</small>		
1848 (x)	ᠠ	MONGOLIAN LETTER TODO OE	ZWJ+184E+ZWJ	ᠠ (x)	First Medial Form
1848+ZWJ	ᠠ (x)	Initial Form	ZWJ+184E+FVS1+ZWJ	ᠠ (x)	Second Medial Form
ZWJ+1848+ZWJ	ᠠ (x)	First Medial Form	ZWJ+184E+FVS2+ZWJ	ᠠ (x)	Third Medial Form
ZWJ+1848+FVS1+ZWJ	ᠠ (x)	Second Medial Form ⁶	<small>STATUS: Included in Chinese Proposal – WG2#65</small>		
ZWJ+1848	ᠠ (x)	Final Form	ZWJ+184E	ᠠ (x)	Final Form
1849 (x)	ᠠ	MONGOLIAN LETTER TODO UE	184F (x)	ᠠ	MONGOLIAN LETTER TODO MA
1849+FVS1	ᠠ (x)	Second Isolate Form	184F	ᠠ (x)	Isolate Form
1849+ZWJ	ᠠ (x)	Initial Form	184F+ZWJ	ᠠ (x)	Initial Form
ZWJ+1849+ZWJ	ᠠ (x)	First Medial Form	ZWJ+184F+ZWJ	ᠠ (x)	Medial Form
ZWJ+1849+FVS1+ZWJ	ᠠ (x)	Second Medial Form ⁶	ZWJ+184F	ᠠ (x)	Final Form ⁶
ZWJ+1849	ᠠ (x)	Final Form	1850 (x)	ᠠ	MONGOLIAN LETTER TODO TA
184A (x)	ᠠ	MONGOLIAN LETTER TODO ANG	1850+ZWJ	ᠠ (x)	Initial Form
184A	ᠠ (x)	Isolate Form	ZWJ+1850+ZWJ	ᠠ (x)	Medial Form
			ZWJ+1850	ᠠ (x)	Final Form
			1851 (x)	ᠠ	MONGOLIAN LETTER TODO DA

1851+ZWJ	ᠮ (x_) <i>Initial Form</i>	
ZWJ+1851+ZWJ	ᠮ (x_) <i>Medial Form</i>	
ZWJ+1851	ᠮ (x_) <i>Final Form</i>	
1852 (x_) ᠴ	MONGOLIAN LETTER TODO CHA	
1852+ZWJ	ᠴ (x_) <i>Initial Form</i>	
ZWJ+1852+ZWJ	ᠴ (x_) <i>Medial Form</i>	
ZWJ+1852	ᠴ (x_) <i>Final Form</i>	
1853 (xx_) ᠵ	MONGOLIAN LETTER TODO JA	
1853+ZWJ	ᠵ (xx_) <i>Initial Form</i>	
ZWJ+1853+ZWJ	ᠵ (xx_) <i>Medial Form</i>	
ZWJ+1853	ᠵ (x_) <i>Final Form</i>	
1854 (x_) ᠶ	MONGOLIAN LETTER TODO TSA	
1854+ZWJ	ᠶ (x_) <i>Initial Form</i>	
ZWJ+1854+ZWJ	ᠶ (x_) <i>Medial Form</i>	
ZWJ+1854	ᠶ (x_) <i>Final Form</i>	
1855 (x_) ᠾ	MONGOLIAN LETTER TODO YA	
1855+ZWJ	ᠾ (x_) <i>Initial Form</i>	
ZWJ+1855+ZWJ	ᠾ (x_) <i>Medial Form</i>	
ZWJ+1855	ᠾ (x_) <i>Final Form</i>	
1856 (x_) ᠿ	MONGOLIAN LETTER TODO WA	
1856+ZWJ	ᠿ (x_) <i>Initial Form</i>	
ZWJ+1856+ZWJ	ᠿ (x_) <i>Medial Form</i>	
ZWJ+1856	ᠿ (x_) <i>Final Form</i>	
1857 (x_) ᠰ	MONGOLIAN LETTER TODO KA ⁵	
1857+ZWJ	ᠰ (x_) <i>Initial Form</i>	
ZWJ+1857+ZWJ	ᠰ (x_) <i>Medial Form</i>	
ZWJ+1857	ᠰ (x_) <i>Final Form</i>	
1858 (xx_) ᠱ	MONGOLIAN LETTER TODO GAA ⁵	
1858+ZWJ	ᠱ (xx_) <i>Initial Form</i>	
ZWJ+1858+ZWJ	ᠱ (xx_) <i>Medial Form</i>	
ZWJ+1858	ᠱ (x_) <i>Final Form</i>	
1859 (x_) ᠳ	MONGOLIAN LETTER TODO HAA	
1859	ᠳ (x_) <i>Isolate Form</i>	
1859+ZWJ	ᠳ (x_) <i>Initial Form</i>	
ZWJ+1859+ZWJ	ᠳ (x_) <i>Medial Form</i>	
ZWJ+1859	ᠳ (x_) <i>Final Form</i> ⁶	
185A (x_) ᠴᠠ	MONGOLIAN LETTER TODO JIA	
185A+ZWJ	ᠴᠠ (x_) <i>Initial Form</i>	
ZWJ+185A+ZWJ	ᠴᠠ (x_) <i>Medial Form</i>	
ZWJ+185A	ᠴᠠ (x_) <i>Final Form</i>	

185B (xx_) ᠴᠢ	MONGOLIAN LETTER TODO NIA	
185B+ZWJ	ᠴᠢ (xx_) <i>Initial Form</i>	
ZWJ+185B+ZWJ	ᠴᠢ (xx_) <i>Medial Form</i>	
ZWJ+185B	ᠴᠢ (x_) <i>Final Form</i>	
185C (xx_) ᠴᠡ	MONGOLIAN LETTER TODO DZA	
185C+ZWJ	ᠴᠡ (xx_) <i>Initial Form</i>	
ZWJ+185C+ZWJ	ᠴᠡ (xx_) <i>Medial Form</i>	
ZWJ+185C	ᠴᠡ (x_) <i>Final Form</i>	
Sibe Letters		
185D (xx_) ᠰᠢ	MONGOLIAN LETTER SIBE E	
185D	ᠰᠢ (xx_) <i>Isolate Form</i>	
185D+ZWJ	ᠰᠢ (xx_) <i>Initial Form</i>	
ZWJ+185D+ZWJ	ᠰᠢ (xx_) <i>First Medial Form</i>	
ZWJ+185D+FVS1+ZWJ	ᠰᠢ (xx_) <i>Second Medial Form</i> (context-driven)	
ZWJ+185D	ᠰᠢ (xx_) <i>First Final Form</i> ⁶	
ZWJ+185D+FVS1	ᠰᠢ (xx_) <i>Second Final Form</i> (context-driven)	
185E (x_) ᠰᠢᠠ	MONGOLIAN LETTER SIBE I	
185E	ᠰᠢᠠ (x_) <i>Isolate Form</i>	
185E+ZWJ	ᠰᠢᠠ (x_) <i>Initial Form</i>	
ZWJ+185E+ZWJ	ᠰᠢᠠ (x_) <i>First Medial Form</i>	
ZWJ+185E+FVS1+ZWJ	ᠰᠢᠠ (x_) <i>Second Medial Form</i> ⁶ (context-driven)	
ZWJ+185E+FVS2+ZWJ	ᠰᠢᠠ (x_) <i>Third Medial Form</i> (context-driven)	
ZWJ+185E	ᠰᠢᠠ (x_) <i>First Final Form</i> (also implemented with MSC - actually processed as isolate in accusative suffix)	
ZWJ+185E+FVS1	ᠰᠢᠠ (x_) <i>Second Final Form</i> (context-driven)	
ZWJ+185E+FVS2	ᠰᠢᠠ (x_) <i>Third Final Form</i>	
185F (xx_) ᠰᠢᠶ	MONGOLIAN LETTER SIBE IY	
185F+ZWJ	ᠰᠢᠶ (xx_) <i>Initial Form</i>	
ZWJ+185F+ZWJ	ᠰᠢᠶ (xx_) <i>Medial Form</i>	
ZWJ+185F	ᠰᠢᠶ (xx_) <i>Final Form</i>	
1860 (xx_) ᠰᠢᠤ	MONGOLIAN LETTER SIBE UE	
1860+ZWJ	ᠰᠢᠤ (xx_) <i>Initial Form</i>	
ZWJ+1860+ZWJ	ᠰᠢᠤ (xx_) <i>First Medial Form</i>	
ZWJ+1860+FVS1+ZWJ	ᠰᠢᠤ (xx_) <i>Second Medial Form</i> (context-driven)	
ZWJ+1860	ᠰᠢᠤ (xx_) <i>First Final Form</i>	
ZWJ+1860+FVS1	ᠰᠢᠤ (xx_) <i>Second Final Form</i> (context-driven)	
ZWJ+1860+FVS2	ᠰᠢᠤ (xx_) <i>Third Final Form</i> (context-driven)	

STATUS: Included in Chinese Proposal – WG2#65

1861	(__xx)	ᠰ	MONGOLIAN LETTER SIBE U
1861		ᠰ (__)	<i>Isolate Form</i>
1861+ZWJ		ᠰᠢ (__)	<i>Initial Form</i>
ZWJ+1861+ZWJ		ᠰᠢᠠ (xx)	<i>Medial Form</i> [*]
ZWJ+1861		ᠰᠢᠨ (xx)	<i>Final Form</i>
1862	(__x)	ᠭ	MONGOLIAN LETTER SIBE ANG
1862		ᠭ (__)	<i>Isolate Form</i>
1862+ZWJ		ᠭᠢ ()	<i>Initial Form</i>
ZWJ+1862+ZWJ		ᠭᠢᠠ (__)	<i>Medial Form</i>
ZWJ+1862		ᠭᠢᠨ (__)	<i>Final Form</i> [*]
1863	(__x)	ᠬ	MONGOLIAN LETTER SIBE KA
1863		ᠬ (__)	<i>First Isolate Form</i>
<small>STATUS: Currently not shown in the code charts</small>			
1863+FVS1		ᠬᠢ (__)	<i>Second Isolate Form</i> [*]
<small>STATUS: Included in Chinese Proposal – WG2#65</small>			
1863+ZWJ		ᠬᠢᠠ (__)	<i>First Initial Form</i>
1863+FVS1+ZWJ		ᠬᠢᠠᠢ (__)	<i>Second Initial Form</i>
<small>STATUS: Included in Chinese Proposal – WG2#65</small>			
ZWJ+1863+ZWJ		ᠬᠢᠠᠢᠠ (__)	<i>First Medial Form</i>
ZWJ+1863+FVS1+ZWJ		ᠬᠢᠠᠢᠠᠢ (__)	<i>Second Medial Form</i> <small>(context-driven)</small>
ZWJ+1863+FVS2+ZWJ		ᠬᠢᠠᠢᠠᠢᠠ (__)	<i>Third Medial Form</i>
<small>STATUS: Included in Chinese Proposal – WG2#65</small>			
ZWJ+1863		ᠬᠢᠠᠢᠨ (__)	<i>Final Form</i> [*]
1864	(__xx)	ᠭᠠ	MONGOLIAN LETTER SIBE GA
1864+FVS1		ᠭᠠᠢ (xx)	<i>Second Isolate Form</i> [*]
<small>STATUS: Included in Chinese Proposal – WG2#65</small>			
1864+ZWJ		ᠭᠠᠢᠠ (xx)	<i>First Initial Form</i>
1864+FVS1+ZWJ		ᠭᠠᠢᠠᠢ (x)	<i>Second Initial Form</i> <small>to be added</small>
<small>STATUS: Included in Chinese Proposal – WG2#65</small>			
1864+FVS2+ZWJ		ᠭᠠᠢᠠᠢᠠ (x)	<i>Third Initial Form</i>
<small>STATUS: Included in Chinese Proposal – WG2#65</small>			
ZWJ+1864+ZWJ		ᠭᠠᠢᠠᠢᠠᠠ (xx)	<i>Medial Form</i>
ZWJ+1864+FVS1+ZWJ		ᠭᠠᠢᠠᠢᠠᠢᠠ (x)	<i>Second Medial Form</i>
<small>STATUS: Included in Chinese Proposal – WG2#65</small>			
ZWJ+1864		ᠭᠠᠢᠠᠢᠨ ()	<i>Final Form</i>
1865	(__xx)	ᠬᠠ	MONGOLIAN LETTER SIBE HA
1865+FVS1		ᠬᠠᠢ (xx)	<i>Second Isolate Form</i> [*]
<small>STATUS: Included in Chinese Proposal – WG2#65</small>			
1865+ZWJ		ᠬᠠᠢᠠ (xx)	<i>Initial Form</i>
1865+FVS1+ZWJ		ᠬᠠᠢᠠᠢ (x)	<i>Second Initial Form</i>
<small>STATUS: Included in Chinese Proposal – WG2#65</small>			
ZWJ+1865+ZWJ		ᠬᠠᠢᠠᠢᠠ (xx)	<i>Medial Form</i>
ZWJ+1865+FVS1+ZWJ		ᠬᠠᠢᠠᠢᠠᠢ (x)	<i>Second Medial Form</i>
<small>STATUS: Included in Chinese Proposal – WG2#65</small>			
ZWJ+1865		ᠬᠠᠢᠠᠢᠨ ()	<i>Final Form</i>
1866	(__xx)	ᠮ	MONGOLIAN LETTER SIBE PA ^s
1866+ZWJ		ᠮ (xx)	<i>Initial Form</i>
ZWJ+1866+ZWJ		ᠮᠢ (xx)	<i>Medial Form</i>
ZWJ+1866		ᠮᠢᠨ ()	<i>Final Form</i>

1867	(__xx)	ᠰᠠ	MONGOLIAN LETTER SIBE SHA
1867+ZWJ		ᠰᠠᠢ (xx)	<i>Initial Form</i>
ZWJ+1867+ZWJ		ᠰᠠᠢᠠ (xx)	<i>Medial Form</i>
ZWJ+1867		ᠰᠠᠢᠨ (x)	<i>Final Form</i>
1868	(__xx)	ᠲ	MONGOLIAN LETTER SIBE TA
1868+ZWJ		ᠲ (xx)	<i>First Initial Form</i>
1868+FVS1+ZWJ		ᠲᠢ (xx)	<i>Second Initial Form</i> <small>(context-driven)</small>
ZWJ+1868+ZWJ		ᠲᠢᠠ (xx)	<i>First Medial Form</i>
ZWJ+1868+FVS1+ZWJ		ᠲᠢᠠᠢ (xx)	<i>Second Medial Form</i> <small>(context-driven)</small>
ZWJ+1868+FVS2+ZWJ		ᠲᠢᠠᠢᠠ (xx)	<i>Third Medial Form</i> <small>(context-driven)</small>
ZWJ+1868		ᠲᠢᠠᠢᠨ (xx)	<i>Final Form</i>
1869	(__xx)	ᠳ	MONGOLIAN LETTER SIBE DA
1869+ZWJ		ᠳ (xx)	<i>First Initial Form</i>
1869+FVS1+ZWJ		ᠳᠢ (xx)	<i>Second Initial Form</i> <small>(context-driven and also MSC)</small>
ZWJ+1869+ZWJ		ᠳᠢᠠ (xx)	<i>First Medial Form</i>
ZWJ+1869+FVS1+ZWJ		ᠳᠢᠠᠢ (xx)	<i>Second Medial Form</i> <small>(context-driven)</small>
ZWJ+1869		ᠳᠢᠠᠢᠨ ()	<i>Final Form</i>
186A	(__x)	ᠰ	MONGOLIAN LETTER SIBE JA
186A+ZWJ		ᠰ (x)	<i>Initial Form</i>
ZWJ+186A+ZWJ		ᠰᠢ (x)	<i>Medial Form</i>
ZWJ+186A		ᠰᠢᠨ ()	<i>Final Form</i>
186B	(__x)	ᠲ	MONGOLIAN LETTER SIBE FA
186B+ZWJ		ᠲ (x)	<i>Initial Form</i>
ZWJ+186B+ZWJ		ᠲᠢ (x)	<i>Medial Form</i>
ZWJ+186B		ᠲᠢᠨ ()	<i>Final Form</i>
186C	(__xx)	ᠬ	MONGOLIAN LETTER SIBE GAA ^s
186C+ZWJ		ᠬ (xx)	<i>Initial Form</i>
ZWJ+186C+ZWJ		ᠬᠢ (xx)	<i>Medial Form</i>
ZWJ+186C		ᠬᠢᠨ ()	<i>Final Form</i>
186D	(__xx)	ᠬᠠ	MONGOLIAN LETTER SIBE HAA ^s
186D+ZWJ		ᠬᠠ (xx)	<i>Initial Form</i>
ZWJ+186D+ZWJ		ᠬᠠᠢ (xx)	<i>Medial Form</i>
ZWJ+186D		ᠬᠠᠢᠨ ()	<i>Final Form</i>
186E	(__xx)	ᠲ	MONGOLIAN LETTER SIBE TSA
186E+ZWJ		ᠲ (xx)	<i>Initial Form</i>
ZWJ+186E+ZWJ		ᠲᠢ (xx)	<i>Medial Form</i>
ZWJ+186E		ᠲᠢᠨ (xx)	<i>Final Form</i>
186F	(__xx)	ᠰ	MONGOLIAN LETTER SIBE ZA

186F+ZWJ ᠠ (xx) *First Initial Form*
 186F+FVS1+ZWJ ᠡ (xx) *Second Initial Form*
 (context-driven)
 ZWJ+186F+ZWJ ᠢ (xx) *First Medial Form*
 ZWJ+186F+FVS1+ZWJ ᠣ (xx) *Second Medial Form*
 (context-driven)
 ZWJ+186F ᠤ (xx) *Final Form*

1870 (xx) ᠠ MONGOLIAN LETTER SIBE RAA
 1870+ZWJ ᠡ (xx) *Initial Form*
 ZWJ+1870+ZWJ ᠢ (xx) *Medial Form*
 ZWJ+1870 ᠣ (xx) *Final Form*

1871 (xx) ᠡ MONGOLIAN LETTER SIBE CHA
 1871+ZWJ ᠢ (xx) *Initial Form*
 ZWJ+1871+ZWJ ᠣ (xx) *Medial Form*
 ZWJ+1871 ᠤ () *Final Form*

1872 (x) ᠢ MONGOLIAN LETTER SIBE ZHA
 1872+ZWJ ᠣ (x) *Initial Form*
 ZWJ+1872+ZWJ ᠤ (x) *Medial Form*
 ZWJ+1872 ᠥ () *Final Form*

Manchu Letters

1873 (x) ᠠ MONGOLIAN LETTER MANCHU I
 1873 ᠡ (x) *Isolate Form*
 1873+ZWJ ᠢ (x) *Initial Form*
 ZWJ+1873+ZWJ ᠣ (x) *First Medial Form*
 ZWJ+1873+FVS1+ZWJ ᠣ (x) *Second Medial Form*
 (context-driven)
 ZWJ+1873+FVS2+ZWJ ᠣ (x) *Third Medial Form*[%]
 ZWJ+1873+FVS3+ZWJ ᠣ (x) *Fourth Medial Form*
 ZWJ+1873 ᠣ (x) *First Final Form*
 (also implemented with MSC - actually processed as isolate in accusative suffix)
 ZWJ+1873+FVS1 ᠣ (x) *Second Final Form*
 ZWJ+1873+FVS2 ᠣ (x) *Third Final Form*
 ZWJ+1873+FVS3 ᠣ (x) *Fourth Final Form*
 (context-driven)
STATUS: Included in Chinese Proposal – WG2#65

1874 (x) ᠡ MONGOLIAN LETTER MANCHU KA
 1874 ᠢ (x) *First Isolate Form*
STATUS: Currently not shown in the code charts
 1874+FVS1 ᠣ (x) *Second Isolate Form*
STATUS: Included in Chinese Proposal – WG2#65
 1874+FVS2 ᠣ (x) *Third Isolate Form*
STATUS: Included in Chinese Proposal – WG2#65
 1874+ZWJ ᠢ (x) *Initial Form*
 1874+FVS1+ZWJ ᠣ (x) *Second Initial Form*
STATUS: Included in Chinese Proposal – WG2#65
 1874+FVS2+ZWJ ᠣ (x) *Third Initial Form*
STATUS: Included in Chinese Proposal – WG2#65
 ZWJ+1874+ZWJ ᠢ (x) *First Medial Form*

ZWJ+1874+FVS1+ZWJ ᠣ (x) *Second Medial Form*
 (context-driven)
 ZWJ+1874+FVS2+ZWJ ᠣ (x) *Third Medial Form*
 (context-driven)
 ZWJ+1874+FVS3+ZWJ ᠣ (x) *Fourth Medial Form*
 ZWJ+1874 ᠣ (x) *First Final Form*[%]
 ZWJ+1874+FVS1 ᠣ (x) *Second Final Form*
 (context-driven)
 ZWJ+1874+FVS2 ᠣ (x) *Third Final Form*

1875 (x) ᠢ MONGOLIAN LETTER MANCHU RA
 1875 ᠣ (x) *Isolate Form*
STATUS: Currently not shown in the code charts
 1875+ZWJ ᠣ (x) *Initial Form*
 ZWJ+1875+ZWJ ᠣ (x) *Medial Form*
 ZWJ+1875 ᠣ (x) *Final Form*[%]

1876 (x) ᠣ MONGOLIAN LETTER MANCHU FA
 1876 ᠣ (x) *Isolate Form*
STATUS: Currently not shown in the code charts
 1876+ZWJ ᠣ (x) *First Initial Form*
 1876+FVS1+ZWJ ᠣ (x) *Second Initial Form*
 (context-driven)
 ZWJ+1876+ZWJ ᠣ (x) *First Medial Form*[%]
 ZWJ+1876+FVS1+ZWJ ᠣ (x) *Second Medial Form*
 (context-driven)
 ZWJ+1876 ᠣ () *Final Form*

1877 (x) ᠣ MONGOLIAN LETTER MANCHU ZHA
 1877+ZWJ ᠣ (x) *Initial Form*
 ZWJ+1877+ZWJ ᠣ (x) *Medial Form*
 ZWJ+1877 ᠣ () *Final Form*

1878 <reserved>
 1879 <reserved>
 187A <reserved>
 187B <reserved>
 187C <reserved>
 187D <reserved>
 187E <reserved>
 187F <reserved>

Ali Gali Letters

1880 (xx_x) ᠣ MONGOLIAN LETTER ALI GALI ANUSVARA
 1880+FVS1 ᠣ (xx_x) *Second Form*
 1881 (xx_x) ᠨ MONGOLIAN LETTER ALI GALI VISARGA
 1881+FVS1 ᠨ (xx_x) *Second Form*
 1882 (xx_x) ᠮ MONGOLIAN LETTER ALI GALI DAMARU
 1883 (xx_x) 3 MONGOLIAN LETTER ALI GALI UBADAMA
 1884 (xx_x) Ǝ MONGOLIAN LETTER ALI GALI INVERTED UBADAMA

1887 (xx_x)  MONGOLIAN LETTER ALI GALI A

1887+FVS1  *Second Isolate Form*

STATUS: Included in Chinese Proposal – WG2#65

1887+ZWJ  *Initial Form*

ZWJ+1887+ZWJ  *Medial Form*

ZWJ+1887  *First Final Form*

ZWJ+1887+FVS1  *Second Final Form*

ZWJ+1887+FVS2  *Third Final Form*

ZWJ+1887+FVS3  *Fourth Final Form*

ZWJ+1887+VS01  *Fifth Final Form*

STATUS: Agreed upon by the UTC at WG2#65 – glyph is currently the wrong shape

1888 (x_x)  MONGOLIAN LETTER ALI GALI I

1888+ZWJ  *Initial Form*

ZWJ+1888+ZWJ  *First Medial Form*

ZWJ+1888+ZWJ+FVS1  *Second Medial Form*

STATUS: Discussion needed

(context-driven)

ZWJ+1888  *First Final Form*

ZWJ+1888+FVS1  *Second Final Form*

(context-driven)

1889 (xx_)  MONGOLIAN LETTER ALI GALI KA^s


1889+ZWJ  *Initial Form*

ZWJ+1889+ZWJ  *Medial Form*₃

ZWJ+1889  *Final Form*


188A (xx_)  MONGOLIAN LETTER ALI GALI NGA

188A+ZWJ  *First Initial Form*

188A+FVS1+ZWJ  *Second Initial Form*

(context-driven)

ZWJ+188A+ZWJ  *First Medial Form*

ZWJ+188A+FVS1+ZWJ  *Second Medial Form*

(context-driven)

ZWJ+188A  *Final Form*

188B (xx_)  MONGOLIAN LETTER ALI GALI CA

188B+ZWJ  *Initial Form*

ZWJ+188B+ZWJ  *Medial Form*

ZWJ+188B  *Final Form*

188C (x_)  MONGOLIAN LETTER ALI GALI TTA

188C+ZWJ  *Initial Form*

ZWJ+188C+ZWJ  *Medial Form*

ZWJ+188C  *Final Form*

188D (x_)  MONGOLIAN LETTER ALI GALI TTHA

188D+ZWJ  *Initial Form*

ZWJ+188D+ZWJ  *Medial Form*

ZWJ+188D  *Final Form*

188E (x_)  MONGOLIAN LETTER ALI GALI DDA

188E+ZWJ  *Initial Form*

ZWJ+188E+ZWJ  *Medial Form*

ZWJ+188E  *Final Form*


188F (x_xx)  MONGOLIAN LETTER ALI GALI NNA

188F+ZWJ  *Initial Form*

ZWJ+188F+ZWJ  *Medial Form*

ZWJ+188F  *Final Form*

1890 (x_)  MONGOLIAN LETTER ALI GALI TA

1890+ZWJ  *Initial Form*

ZWJ+1890+ZWJ  *Medial Form*

ZWJ+1890  *Final Form*

1891 (x_)  MONGOLIAN LETTER ALI GALI DA

1891+ZWJ  *Initial Form*

ZWJ+1891+ZWJ  *Medial Form*

ZWJ+1891  *Final Form*

1892 (x_x)  MONGOLIAN LETTER ALI GALI PA^s

1892+ZWJ  *Initial Form*

ZWJ+1892+ZWJ  *Medial Form*

ZWJ+1892  *Final Form*

1893 (x_)  MONGOLIAN LETTER ALI GALI PHA^s

1893+ZWJ  *Initial Form*

ZWJ+1893+ZWJ  *Medial Form*

ZWJ+1893  *Final Form*

1894 (xx_)  MONGOLIAN LETTER ALI GALI SSA

1894+ZWJ  *Initial Form*

ZWJ+1894+ZWJ  *Medial Form*

ZWJ+1894  *Final Form*

1895 (x_)  MONGOLIAN LETTER ALI GALI ZHA

1895+ZWJ  *Initial Form*

ZWJ+1895+ZWJ  *Medial Form*

ZWJ+1895  *Final Form*

1896 (xx_)  MONGOLIAN LETTER ALI GALI ZA

1896+ZWJ  *Initial Form*

ZWJ+1896+ZWJ  *Medial Form*

ZWJ+1896  *Final Form*

1897 (x_)  MONGOLIAN LETTER ALI GALI AH

1897+ZWJ  *Initial Form*

ZWJ+1897+ZWJ  *Medial Form*₅

ZWJ+1897  *Final Form*

1898 (x)	ᠮ	MONGOLIAN LETTER TODO ALI GALI TA
1898+ZWJ	ᠮ (x)	<i>Initial Form</i>
ZWJ+1898+ZWJ	ᠮ ()	<i>Medial Form</i>
ZWJ+1898	ᠮ ()	<i>Final Form</i>
1899 (x)	ᠮ	MONGOLIAN LETTER TODO ALI GALI ZHA
1899+ZWJ	ᠮ (x)	<i>Initial Form</i>
ZWJ+1899+ZWJ	ᠮ ()	<i>Medial Form</i>
ZWJ+1899	ᠮ ()	<i>Final Form</i>
189A (x)	ᠮ	MONGOLIAN LETTER MANCHU ALI GALI GHA
189A+ZWJ	ᠮ (x)	<i>Initial Form</i>
ZWJ+189A+ZWJ	ᠮ (x)	<i>Medial Form</i>
ZWJ+189A	ᠮ ()	<i>Final Form</i>
189B (x)	ᠮ	MONGOLIAN LETTER MANCHU ALI GALI NGA
189B+ZWJ	ᠮ (x)	<i>Initial Form</i>
ZWJ+189B+ZWJ	ᠮ (x)	<i>Medial Form</i>
ZWJ+189B	ᠮ ()	<i>Final Form</i>
189C (x)	ᠮ	MONGOLIAN LETTER MANCHU ALI GALI CA
189C+ZWJ	ᠮ (x)	<i>Initial Form</i>
ZWJ+189C+ZWJ	ᠮ (x)	<i>Medial Form</i>
ZWJ+189C	ᠮ ()	<i>Final Form</i>
189D (x)	ᠮ	MONGOLIAN LETTER MANCHU ALI GALI JHA
189D+ZWJ	ᠮ (x)	<i>Initial Form</i>
ZWJ+189D+ZWJ	ᠮ (x)	<i>Medial Form</i>
ZWJ+189D	ᠮ ()	<i>Final Form</i>
189E (x)	ᠮ	MONGOLIAN LETTER MANCHU ALI GALI TTA
189E+ZWJ	ᠮ (x)	<i>Initial Form</i>
ZWJ+189E+ZWJ	ᠮ (x)	<i>Medial Form</i>
ZWJ+189E	ᠮ ()	<i>Final Form</i>
189F (x)	ᠮ	MONGOLIAN LETTER MANCHU ALI GALI DDHA
189F+ZWJ	ᠮ (x)	<i>Initial Form</i>
ZWJ+189F+ZWJ	ᠮ (x)	<i>Medial Form</i>
ZWJ+189F	ᠮ ()	<i>Final Form</i>
18A0 (x)	ᠮ	MONGOLIAN LETTER MANCHU ALI GALI TA
18A0+ZWJ	ᠮ (x)	<i>First Initial Form</i>
18A0+FVS1+ZWJ	ᠮ (x)	<i>Second Initial Form</i>
<small>STATUS: Included in Chinese Proposal – WG2/#65</small>		<small>(context-driven)</small>
ZWJ+18A0+ZWJ	ᠮ (x)	<i>First Medial Form</i>
ZWJ+18A0+FVS1+ZWJ	ᠮ (x)	<i>Second Medial Form</i>
<small>STATUS: Included in Chinese Proposal – WG2/#65</small>		<small>(context-driven)</small>
ZWJ+18A0	ᠮ ()	<i>Final Form</i>

18A1 (x)	ᠮ	MONGOLIAN LETTER MANCHU ALI GALI DHA
18A1+ZWJ	ᠮ (x)	<i>First Initial Form</i>
18A1+FVS1+ZWJ	ᠮ (x)	<i>Second Initial Form</i>
<small>STATUS: Included in Chinese Proposal – WG2/#65</small>		<small>(context-driven)</small>
ZWJ+18A1+ZWJ	ᠮ (x)	<i>First Medial Form</i>
ZWJ+18A1+FVS1+ZWJ	ᠮ (x)	<i>Second Medial Form</i>
<small>STATUS: Included in Chinese Proposal – WG2/#65</small>		<small>(context-driven)</small>
ZWJ+18A1	ᠮ ()	<i>Final Form</i>
18A2 (x)	ᠮ	MONGOLIAN LETTER MANCHU ALI GALI SSA
18A2+ZWJ	ᠮ (x)	<i>Initial Form</i>
ZWJ+18A2+ZWJ	ᠮ (x)	<i>Medial Form</i>
ZWJ+18A2	ᠮ ()	<i>Final Form</i>
18A3 (x)	ᠮ	MONGOLIAN LETTER MANCHU ALI GALI CYA
18A3+ZWJ	ᠮ (x)	<i>Initial Form</i>
ZWJ+18A3+ZWJ	ᠮ (x)	<i>Medial Form</i>
ZWJ+18A3	ᠮ ()	<i>Final Form</i>
18A4 (x)	ᠮ	MONGOLIAN LETTER MANCHU ALI GALI ZHA
18A4+ZWJ	ᠮ (x)	<i>Initial Form</i>
ZWJ+18A4+ZWJ	ᠮ (x)	<i>Medial Form</i>
ZWJ+18A4	ᠮ ()	<i>Final Form</i>
18A5 (x)	ᠮ	MONGOLIAN LETTER MANCHU ALI GALI ZA
18A5+ZWJ	ᠮ (x)	<i>Initial Form</i>
ZWJ+18A5+ZWJ	ᠮ (x)	<i>Medial Form</i>
ZWJ+18A5	ᠮ ()	<i>Final Form</i>
18A6 (xx)	ᠮ	MONGOLIAN LETTER ALI GALI HALF U
18A6+ZWJ	ᠮ (xx)	<i>Initial Form</i>
ZWJ+18A6+ZWJ	ᠮ (xx)	<i>Medial Form</i>
ZWJ+18A6	ᠮ ()	<i>Final Form</i>
18A7 (xx)	ᠮ	MONGOLIAN LETTER ALI GALI HALF YA
18A7+ZWJ	ᠮ (xx)	<i>Initial Form</i>
ZWJ+18A7+ZWJ	ᠮ (xx)	<i>Medial Form</i>
ZWJ+18A7	ᠮ ()	<i>Final Form</i>
18A8 (x)	ᠮ	MONGOLIAN LETTER MANCHU ALI GALI BHA ⁵
18A8+ZWJ	ᠮ (x)	<i>Initial Form</i>
ZWJ+18A8+ZWJ	ᠮ (x)	<i>Medial Form</i>
ZWJ+18A8	ᠮ ()	<i>Final Form</i>
18AA (x)	ᠮ	MONGOLIAN LETTER MANCHU ALI GALI LHA
18AA+ZWJ	ᠮ (x)	<i>Initial Form</i>
ZWJ+18AA+ZWJ	ᠮ (x)	<i>Medial Form</i>
ZWJ+18AA	ᠮ ()	<i>Final Form</i>

¹ Weizhe Zheng: “U+1807 (Sibe syllable boundary marker) is also used in Manchu. For example, the name Ming’ilha (G. R. Li, Manchu - A textbook for reading documents, p. 51, l. 5, first word), is written with an additional tooth separating the two syllables.”

² Weizhe Zheng: “Also used in Ali Gali (U+185B as well as U+1853, U+1858, U+185C).”

³ Weizhe Zheng: “Attested to in TWYT and DZQZ.”

⁴ Weizhe Zheng: “The Mongolian Ali Gali letters U+188C through U+1893 and U+1895 also appear in medial position. See TWYT_110, TWYT_214.”

⁵ Weizhe Zheng: “Attested to in DZQZ.”

⁶ Weizhe Zheng: “Attested to in TWYT and DZQZ.”

⁷ Weizhe Zheng: “Attested to in DZQZ.”

⁸ U+18A8: “(Ali Gali Manchu BHA) also appears in medial position. See TWYT_110.”