

MONGOLIAN BASE FORMS, POSITIONAL FORMS, & VARIANT FORMS

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TARGET AUDIENCE: Font developers

OBJECTIVE: Full specification of Mongolian/Todo/Sibe/Manchu/Altai 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 is 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 this situation along with there being another isolate, the second line will define the second isolate. 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 potential 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 are not specified as an isolate 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.

(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 Standard GB/T 26226-2010

Purple highlighting indicates the proposal for a new FVS assignment

Blue highlighting notes a need for refinement or just additional information

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

Punctuation			
1800	(xx__)	?	MONGOLIAN BIRGA
11660	(xx__)	᠔	MONGOLIAN BIRGA WITH ORNAMENT
11664	(xx__)	᠔	MONGOLIAN BIRGA WITH DOUBLE ORNAMENT
11662	(xx__)	᠔	MONGOLIAN DOUBLE BIRGA WITH ORNAMENT
11663	(xx__)	᠔	MONGOLIAN TRIPLE BIRGA WITH ORNAMENT
11661	(xx__)	᠔	MONGOLIAN ROTATED BIRGA
11665	(xx__)	᠔	MONGOLIAN ROTATED BIRGA WITH ORNAMENT
11666	(xx__)	᠔	MONGOLIAN ROTATED BIRGA WITH DOUBLE ORNAMENT
11667	(xx__)	᠔	MONGOLIAN INVERTED BIRGA
11668	(xx__)	᠔	MONGOLIAN INVERTED BIRGA WITH DOUBLE ORNAMENT
11669	(xx__)	᠔	MONGOLIAN SWIRL BIRGA
1166A	(xx__)	᠔	MONGOLIAN SWIRL BIRGA WITH ORNAMENT
1166B	(xx__)	᠔	MONGOLIAN SWIRL BIRGA WITH DOUBLE ORNAMENT
1166C	(xx__)	᠔	MONGOLIAN TURNED SWIRL BIRGA WITH DOUBLE ORNAMENT
1801	(xxxx)		MONGOLIAN ELLIPSIS
1802	(xx__)	,	MONGOLIAN COMMA
1803	(xx__)	”	MONGOLIAN FULL STOP
1804	(xxxx)	:	MONGOLIAN COLON
1805	(xx__)	᠔	MONGOLIAN FOUR DOTS

1806	(__x__)	-	MONGOLIAN TODO SOFT HYPHEN
1808	(__x)	,	MONGOLIAN MANCHU COMMA
1809	(__x)	”	MONGOLIAN MANCHU FULL STOP

Marks			
1885	(xx_x)	ᠠᠭ	MONGOLIAN LETTER ALI GALI BALUDA (this is not a letter – it is a diacritic mark)
1886	(xx_x)	ᠠᠭᠢ	MONGOLIAN LETTER ALI GALI THREE BALUDA (this is not a letter – it is a diacritic mark)
18A9	(x__)	ᠠᠭᠤ	MONGOLIAN LETTER ALI GALI DAGALGA (this is not a letter – it is a diacritic mark)
Control Characters			
180B	(xxxx)	ᠠᠭᠢᠰᠢ	MONGOLIAN FREE VARIATION SELECTOR ONE
180C	(xxxx)	ᠠᠭᠢᠰᠢ	MONGOLIAN FREE VARIATION SELECTOR TWO
180D	(xxxx)	ᠠᠭᠢᠰᠢ	MONGOLIAN FREE VARIATION SELECTOR THREE
180E	(xx__)	ᠠᠭᠢᠰᠢ	MONGOLIAN VOWEL SEPARATOR
Format Characters			
180F	(xxxx)	ᠠᠭᠢᠰᠢ	MONGOLIAN SUFFIX CONNECTOR

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

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__)		

ZWJ+1825+FVS1	ᠠ (x_) <i>Second Final Form</i> ^᠑	
1826 (x_) ᠠᠭ	MONGOLIAN LETTER UE	
1826	ᠠᠭ (x_) <i>First Isolate Form</i>	
1826+FVS1	ᠠᠭ (x_) <i>Second Isolate Form</i>	
1826+FVS2	ᠠᠭ (x_) <i>Third Isolate Form</i>	(NOTE: this is also the Unicode presentation form)
1826+ZWJ	ᠠᠭ (x_) <i>Initial Form</i> ^᠑	
ZWJ+1826+ZWJ	ᠠᠭ (x_) <i>First Medial Form</i>	(also implemented with NNBSF actually processed as initial in genitive suffix)
ZWJ+1826+FVS1+ZWJ	ᠠᠭ (x_) <i>Second Medial Form</i>	(context-driven)
ZWJ+1826+FVS2+ZWJ	ᠠᠭ (x_) <i>Third Medial Form</i> ^᠑	
ZWJ+1826+FVS3+ZWJ	ᠠᠭ (x_) <i>Fourth Medial Form</i>	(needed to handle DUEGER without NNBSF)
ZWJ+1826	ᠠᠭ (x_) <i>First Final Form</i>	(also implemented with NNBSF actually processed as isolate in genitive suffix)
ZWJ+1826+FVS1	ᠠᠭ (x_) <i>Second Final Form</i> ^᠑	
ZWJ+1826+FVS2	ᠠᠭ (x_) <i>Third Final Form</i>	(dotted - only implemented with NNBSF - actually processed as isolate in genitive suffix)
		(STATUS: Included in Chinese Proposal – WG2#65)
1827 (x_) ᠠᠭ	MONGOLIAN LETTER EE	
1827+ZWJ	ᠠᠭ (x_) <i>Initial Form</i>	
ZWJ+1827+ZWJ	ᠠᠭ (x_) <i>Medial Form</i>	
ZWJ+1827	ᠠᠭ (x_) <i>Final Form</i>	
1828 (xxxx) ᠠᠭ	MONGOLIAN LETTER NA	
1828+ZWJ	ᠠᠭ (xxxx) <i>First Initial Form</i>	(also context-driven in Todo)
1828+FVS1+ZWJ	ᠠᠭ (x_) <i>Second Initial Form</i> ^᠑	
ZWJ+1828+ZWJ	ᠠᠭ (xxxx) <i>First Medial Form</i>	(context-driven) (may be implemented as a toggle)
ZWJ+1828+FVS1+ZWJ	ᠠᠭ (xxxx) <i>Second Medial Form</i>	(context-driven as a toggle, so in actuality could be dotted or undotted)
ZWJ+1828+FVS2+ZWJ	ᠠᠭ (x_) <i>Third Medial Form</i>	(only implemented with MVS - actually - processed as final when pre-MVS)
ZWJ+1828+FVS3+ZWJ	ᠠᠭ (x_) <i>Fourth Medial Form</i>	(context-driven, Todo only)
ZWJ+1828+VS01+ZWJ	ᠠᠭ (x_) <i>Fifth Medial Form</i>	(AN+FVS4+AR must remove the dot)
		(STATUS: Discussion needed)
ZWJ+1828	ᠠᠭ (xxxx) <i>Final Form</i>	
1829 (x_x) ᠠᠭ	MONGOLIAN LETTER ANG	
1829+ZWJ	ᠠᠭ (x_) <i>Initial Form</i>	
ZWJ+1829+ZWJ	ᠠᠭ (x_x) <i>Medial Form</i>	
ZWJ+1829	ᠠᠭ (x_x) <i>Final Form</i>	
182A (x_xx) ᠠᠭ	MONGOLIAN LETTER BA ^s	
182A+ZWJ	ᠠᠭ (x_xx) <i>Initial Form</i>	
ZWJ+182A+ZWJ	ᠠᠭ (x_xx) <i>Medial Form</i>	
ZWJ+182A	ᠠᠭ (x_xx) <i>First Final Form</i>	
ZWJ+182A+FVS1	ᠠᠭ (x_) <i>Second Final Form</i> ^᠑	

182B (x_) ᠠᠭ	MONGOLIAN LETTER PA ^s	
182B+ZWJ	ᠠᠭ (x_) <i>Initial Form</i>	
ZWJ+182B+ZWJ	ᠠᠭ (x_) <i>Medial Form</i>	
ZWJ+182B	ᠠᠭ (x_) <i>Final Form</i>	
182C (x_) ᠠᠭ	MONGOLIAN LETTER QA	
182C+FVS1	ᠠᠭ (x_) <i>Second Isolate Form</i> ^᠑	
182C+FVS2	ᠠᠭ (x_) <i>Third Isolate Form</i> ^᠑	
182C+ZWJ	ᠠᠭ (x_) <i>First Initial Form</i>	
182C+FVS1+ZWJ	ᠠᠭ (x_) <i>Second Initial Form</i> ^᠑	
182C+FVS2+ZWJ	ᠠᠭ (x_) <i>Third Initial Form</i>	(STATUS: Called for by Ulaanbaatar, Mongolia as needed in QOIR)
ZWJ+182C+ZWJ	ᠠᠭ (x_) <i>First Medial Form</i>	
ZWJ+182C+FVS1+ZWJ	ᠠᠭ (x_) <i>Second Medial Form</i> ^᠑	
ZWJ+182C+FVS2+ZWJ	ᠠᠭ (x_) <i>Third Medial Form</i>	(actually - processed as final when pre-MVS) (Chinese Standard has dotted variant first - however all fonts show non-dotted variant first)
ZWJ+182C+FVS3+ZWJ	ᠠᠭ (x_) <i>Fourth Medial Form</i> ^᠑	(actually - processed as final when pre-MVS) (Chinese Standard has dotted variant first - however all fonts show non-dotted variant first)
182D (x_) ᠠᠭ	MONGOLIAN LETTER GA	
182D+FVS1	ᠠᠭ (x_) <i>Second Isolate Form</i> ^᠑	(Chinese Standard uses ZWJ instead of FVS)
182D+FVS2	ᠠᠭ (x_) <i>Third Isolate Form</i> ^᠑	
182D+ZWJ	ᠠᠭ (x_) <i>First Initial Form</i>	
182D+FVS1+ZWJ	ᠠᠭ (x_) <i>Second Initial Form</i> ^᠑	
182D+FVS2+ZWJ	ᠠᠭ (x_) <i>Third Initial Form</i>	(STATUS: Included in Chinese Proposal – WG2#65)
ZWJ+182D+ZWJ	ᠠᠭ (x_) <i>First Medial Form</i>	(context-driven)
ZWJ+182D+FVS1+ZWJ	ᠠᠭ (x_) <i>Second Medial Form</i>	(context-driven)
ZWJ+182D+FVS2+ZWJ	ᠠᠭ (x_) <i>Third Medial Form</i>	(only implemented with MVS) (actually - processed as final when pre-MVS)
ZWJ+182D+FVS3+ZWJ	ᠠᠭ (x_) <i>Fourth Medial Form</i>	(context-driven)
ZWJ+182D+VS01+ZWJ	ᠠᠭ (x_) <i>Fifth Medial Form</i>	(needed to over-ride default context) (COG+FVS4+A+FVS1+GULA)
ZWJ+182D	ᠠᠭ (x_) <i>First Final Form</i>	(NOTE: error in Chinese Standard - missing)
ZWJ+182D+FVS1	ᠠᠭ (x_) <i>Second Final Form</i>	(needed to over-ride default context) (SIG+FVS1)
ZWJ+182D+FVS2	ᠠᠭ (x_) <i>Third Final Form</i>	(context-driven) (ABSIG+FVS2)
182E (x_xx) ᠠᠭ	MONGOLIAN LETTER MA	
182E+ZWJ	ᠠᠭ (x_xx) <i>Initial Form</i>	
ZWJ+182E+ZWJ	ᠠᠭ (x_xx) <i>Medial Form</i>	
ZWJ+182E	ᠠᠭ (x_xx) <i>Final Form</i>	(also implemented with MVS)
182F (xxxx) ᠠᠭ	MONGOLIAN LETTER LA	
182F+ZWJ	ᠠᠭ (xxxx) <i>Initial Form</i>	

ZWJ+182F+ZWJ	ᠰ (xxxx)	Medial Form
ZWJ+182F	ᠰ (xxxx)	Final Form (also implemented with MVS)
1830 (xxxx)	ᠰ	MONGOLIAN LETTER SA
1830+ZWJ	ᠰ (xxxx)	Initial Form
ZWJ+1830+ZWJ	ᠰ (xxxx)	Medial Form
ZWJ+1830	ᠰ (xxxx)	First Final Form
ZWJ+1830+FVS1	ᠰ (x_)	Second Final Form ^᠑
ZWJ+1830+FVS2	ᠰ (x_)	Third Final Form ^᠑
1831 (xx_)	ᠰ	MONGOLIAN LETTER SHA
1831+ZWJ	ᠰ (xx_)	Initial Form
ZWJ+1831+ZWJ	ᠰ (xx_)	Medial Form
ZWJ+1831	ᠰ (xx_)	Final Form
1832 (x_)	ᠰ	MONGOLIAN LETTER TA
1832+ZWJ	ᠰ (x_)	Initial Form
ZWJ+1832+ZWJ	ᠰ (x_)	First Medial Form
ZWJ+1832+FVS1+ZWJ	ᠰ (x_)	Second Medial Form ^᠑
ZWJ+1832	ᠰ (x_)	Final Form
1833 (x_)	ᠰ	MONGOLIAN LETTER DA
1833+ZWJ	ᠰ (x_)	First Initial Form
1833+FVS1+ZWJ	ᠰ (x_)	Second Initial Form (also implemented with NNBS)
ZWJ+1833+ZWJ	ᠰ (x_)	First Medial Form
ZWJ+1833+FVS1+ZWJ	ᠰ (x_)	Second Medial Form (context-driven)
ZWJ+1833	ᠰ (x_)	First Final Form
ZWJ+1833+FVS1	ᠰ (x_)	Second Final Form ^᠑
1834 (xxxx)	ᠰ	MONGOLIAN LETTER CHA
1834+ZWJ	ᠰ (xxxx)	Initial Form
ZWJ+1834+ZWJ	ᠰ (xxxx)	Medial Form
ZWJ+1834	ᠰ (x_)	Final Form
1835 (x_x)	ᠰ	MONGOLIAN LETTER JA
1835+ZWJ	ᠰ (x_x)	Initial Form
ZWJ+1835+ZWJ	ᠰ (x_x)	First Medial Form
ZWJ+1835+FVS1+ZWJ	ᠰ (x_)	Second Medial Form (implemented with MVS & NNBS only - actually - processed as final when pre-MVS/NNBS)
ZWJ+1835	ᠰ (x_)	First Final Form
1836 (x_xx)	ᠰ	MONGOLIAN LETTER YA
1836+ZWJ	ᠰ (x_xx)	First Initial Form
1836+FVS1+ZWJ	ᠰ (x_)	Second Initial Form (context-driven)
ZWJ+1836+ZWJ	ᠰ (x_xx)	First Medial Form
ZWJ+1836+FVS1+ZWJ	ᠰ (x_)	Second Medial Form (context-driven AND also needed to over-ride default context)
ZWJ+1836+FVS2+ZWJ	ᠰ (x_)	Third Medial Form (implemented with MVS & NNBS only - actually - processed as final when pre-MVS/NNBS)

ZWJ+1836	ᠰ (x_)	Final Form
1837 (xxx_)	ᠰ	MONGOLIAN LETTER RA
1837+ZWJ	ᠰ (xxx_)	Initial Form
ZWJ+1837+ZWJ	ᠰ (xxx_)	Medial Form
ZWJ+1837	ᠰ (xxx_)	Final Form (also implemented with MVS)
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 (context-driven)
ZWJ+1838	ᠰ (x_)	First Final Form
ZWJ+1838+FVS1	ᠰ (x_)	Second Final Form ^᠑ (only implemented with MVS)
1839 (x_)	ᠰ	MONGOLIAN LETTER FA ^᠑
1839+ZWJ	ᠰ (x_)	Initial Form
ZWJ+1839+ZWJ	ᠰ (x_)	Medial Form
ZWJ+1839	ᠰ (x_)	Final Form
183A (xxxx)	ᠰ	MONGOLIAN LETTER KA ^᠑
183A+ZWJ	ᠰ (xxxx)	Initial Form
ZWJ+183A+ZWJ	ᠰ (xxxx)	Medial Form
ZWJ+183A	ᠰ (x_)	Final Form
183B (xx_)	ᠰ	MONGOLIAN LETTER KHA ^᠑
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_)	ᠯᠠ	MONGOLIAN LETTER LHA
1840+ZWJ		ᠯᠠ (xx_)	Initial Form
ZWJ+1840+ZWJ		ᠯᠠ (xx_)	Medial Form
ZWJ+1840		ᠯᠠ ()	Final Form
1841	(x_)	ᠵᠢ	MONGOLIAN LETTER ZHI
1841+ZWJ		ᠵᠢ (x_)	Initial Form
ZWJ+1841+ZWJ		ᠵᠢ (x_)	Medial Form
ZWJ+1841		ᠵᠢ ()	Final Form
1842	(x_)	ᠴᠢ	MONGOLIAN LETTER CHI
1842+ZWJ		ᠴᠢ (x_)	Initial Form
ZWJ+1842+ZWJ		ᠴᠢ (x_)	Medial Form
ZWJ+1842		ᠴᠢ ()	Final Form
Todo Letters			
1843	(x_)	ᠤᠯᠠ	MONGOLIAN LETTER TODO LONG VOWEL SIGN
1843+ZWJ		ᠤᠯᠠ (x_)	Initial Form
ZWJ+1843+ZWJ		ᠤᠯᠠ (context-driven)	Medial Form
ZWJ+1843		ᠤᠯᠠ (context-driven)	First Final Form
ZWJ+1843+FVS1		ᠤᠯᠠ (x_)	Second Final Form
STATUS: Discussion needed			
1844	(x_)	ᠤᠯᠡ	MONGOLIAN LETTER TODO E
1844+ZWJ		ᠤᠯᠡ (x_)	Initial Form
ZWJ+1844+ZWJ		ᠤᠯᠡ (x_)	First Medial Form
ZWJ+1844+FVS1+ZWJ		ᠤᠯᠡ (x_)	Second Medial Form [ⓔ]
ZWJ+1844		ᠤᠯᠡ (x_)	Final Form
1845	(x_)	ᠤᠯᠢ	MONGOLIAN LETTER TODO I
1845+ZWJ		ᠤᠯᠢ (x_)	Initial Form
ZWJ+1845+ZWJ		ᠤᠯᠢ (x_)	First Medial Form
ZWJ+1845+FVS1+ZWJ		ᠤᠯᠢ (x_)	Second Medial Form
ZWJ+1845		ᠤᠯᠢ (context-driven)	Final Form
1846	(x_)	ᠤᠯᠣ	MONGOLIAN LETTER TODO O
1846+ZWJ		ᠤᠯᠣ (x_)	Initial Form
ZWJ+1846+ZWJ		ᠤᠯᠣ (x_)	First Medial Form
ZWJ+1846+FVS1+ZWJ		ᠤᠯᠣ (x_)	Second Medial Form [ⓔ]
ZWJ+1846		ᠤᠯᠣ (x_)	Final Form
1847	(x_)	ᠤᠯᠤ	MONGOLIAN LETTER TODO U
1847+FVS1		ᠤᠯᠤ (x_)	Second Isolate Form
1847+ZWJ		ᠤᠯᠤ (x_)	Initial Form
ZWJ+1847+ZWJ		ᠤᠯᠤ (x_)	First Medial Form
ZWJ+1847+FVS1+ZWJ		ᠤᠯᠤ (x_)	Second Medial Form [ⓔ]
ZWJ+1847+FVS2+ZWJ		ᠤᠯᠤ (x_)	Third Medial Form

ZWJ+1847	(context-driven)	ᠤᠯᠤ (x_)	First Final Form
ZWJ+1847+FVS1	(context-driven)	ᠤᠯᠤ (x_)	Second Final Form
1848	(x_)	ᠤᠯᠤᠨ	MONGOLIAN LETTER TODO OE
1848+ZWJ		ᠤᠯᠤᠨ (x_)	Initial Form
ZWJ+1848+ZWJ		ᠤᠯᠤᠨ (x_)	First Medial Form
ZWJ+1848+FVS1+ZWJ		ᠤᠯᠤᠨ (x_)	Second Medial Form [ⓔ]
ZWJ+1848		ᠤᠯᠤᠨ (x_)	Final Form
1849	(x_)	ᠤᠯᠤᠯ	MONGOLIAN LETTER TODO UE
1849+FVS1		ᠤᠯᠤᠯ (x_)	Second Isolate Form
1849+ZWJ		ᠤᠯᠤᠯ (x_)	Initial Form
ZWJ+1849+ZWJ		ᠤᠯᠤᠯ (x_)	First Medial Form
ZWJ+1849+FVS1+ZWJ		ᠤᠯᠤᠯ (x_)	Second Medial Form [ⓔ]
ZWJ+1849		ᠤᠯᠤᠯ (x_)	Final Form
184A	(x_)	ᠤᠯᠤᠭ	MONGOLIAN LETTER TODO ANG
184A		ᠤᠯᠤᠭ (x_)	Isolate Form
184A+ZWJ		ᠤᠯᠤᠭ ()	Initial Form
ZWJ+184A+ZWJ		ᠤᠯᠤᠭ (x_)	Medial Form
ZWJ+184A		ᠤᠯᠤᠭ (x_)	Final Form [Ⓜ]
184B	(x_)	ᠤᠯᠤᠪ	MONGOLIAN LETTER TODO BA
184B		ᠤᠯᠤᠪ (x_)	Isolate Form
184B+ZWJ		ᠤᠯᠤᠪ (x_)	Initial Form
ZWJ+184B+ZWJ		ᠤᠯᠤᠪ (x_)	Medial Form
ZWJ+184B		ᠤᠯᠤᠪ (x_)	Final Form [Ⓜ]
184C	(x_)	ᠤᠯᠤᠴ	MONGOLIAN LETTER TODO PA ^ᠰ
184C+ZWJ		ᠤᠯᠤᠴ (x_)	Initial Form
ZWJ+184C+ZWJ		ᠤᠯᠤᠴ (x_)	Medial Form
ZWJ+184C		ᠤᠯᠤᠴ (x_)	Final Form
184D	(x_)	ᠤᠯᠤᠳ	MONGOLIAN LETTER TODO QA
184D+FVS1		ᠤᠯᠤᠳ (x_)	Second Isolate Form ^ᠰ
184D+ZWJ		ᠤᠯᠤᠳ (x_)	Initial Form
ZWJ+184D+ZWJ		ᠤᠯᠤᠳ (x_)	Medial Form
ZWJ+184D		ᠤᠯᠤᠳ (x_)	Final Form
184E	(x_)	ᠤᠯᠤᠳᠡ	MONGOLIAN LETTER TODO GA
184E+FVS1		ᠤᠯᠤᠳᠡ (x_)	Second Isolate Form ^ᠰ
184E+ZWJ		ᠤᠯᠤᠳᠡ (x_)	Initial Form
ZWJ+184E+ZWJ		ᠤᠯᠤᠳᠡ (x_)	First Medial Form
ZWJ+184E+FVS1+ZWJ		ᠤᠯᠤᠳᠡ (x_)	Second Medial Form
ZWJ+184E		ᠤᠯᠤᠳᠡ (context-driven)	Final Form
184F	(x_)	ᠤᠯᠤᠳᠦ	MONGOLIAN LETTER TODO MA
184F		ᠤᠯᠤᠳᠦ (x_)	Isolate Form
184F+ZWJ		ᠤᠯᠤᠳᠦ (x_)	Initial Form

ZWJ+184F+ZWJ	ᠦ (x_) <i>Medial Form</i>
ZWJ+184F	ᠦ (x_) <i>Final Form</i> ⁹⁶
1850 (x_) ᠦ	MONGOLIAN LETTER TODO TA
1850+ZWJ	ᠦ (x_) <i>Initial Form</i>
ZWJ+1850+ZWJ	ᠦ (x_) <i>Medial Form</i>
ZWJ+1850	ᠦ (x_) <i>Final Form</i>
1851 (x_) ᠦ	MONGOLIAN LETTER TODO DA
1851+ZWJ	ᠦ (x_) <i>Initial Form</i>
ZWJ+1851+ZWJ	ᠦ (x_) <i>Medial Form</i>
ZWJ+1851	ᠦ (x_) <i>Final Form</i>
1852 (x_) ᠦ	MONGOLIAN LETTER TODO CHA
1852+ZWJ	ᠦ (x_) <i>Initial Form</i>
ZWJ+1852+ZWJ	ᠦ (x_) <i>Medial Form</i>
ZWJ+1852	ᠦ (x_) <i>Final Form</i>
1853 (xx_) ᠦ	MONGOLIAN LETTER TODO JA
1853+ZWJ	ᠦ (xx_) <i>Initial Form</i>
ZWJ+1853+ZWJ	ᠦ (xx_) <i>Medial Form</i>
ZWJ+1853	ᠦ (x_) <i>Final Form</i>
1854 (x_) ᠦ	MONGOLIAN LETTER TODO TSA
1854+ZWJ	ᠦ (x_) <i>Initial Form</i>
ZWJ+1854+ZWJ	ᠦ (x_) <i>Medial Form</i>
ZWJ+1854	ᠦ (x_) <i>Final Form</i>
1855 (x_) ᠦ	MONGOLIAN LETTER TODO YA
1855+ZWJ	ᠦ (x_) <i>Initial Form</i>
ZWJ+1855+ZWJ	ᠦ (x_) <i>Medial Form</i>
ZWJ+1855	ᠦ (x_) <i>Final Form</i>
1856 (x_) ᠦ	MONGOLIAN LETTER TODO WA
1856+ZWJ	ᠦ (x_) <i>Initial Form</i>
ZWJ+1856+ZWJ	ᠦ (x_) <i>Medial Form</i>
ZWJ+1856	ᠦ (x_) <i>Final Form</i>
1857 (x_) ᠦ	MONGOLIAN LETTER TODO KA ⁵
1857+ZWJ	ᠦ (x_) <i>Initial Form</i>
ZWJ+1857+ZWJ	ᠦ (x_) <i>Medial Form</i>
ZWJ+1857	ᠦ (x_) <i>Final Form</i>
1858 (xx_) ᠦ	MONGOLIAN LETTER TODO GAA ⁵
1858+ZWJ	ᠦ (xx_) <i>Initial Form</i>
ZWJ+1858+ZWJ	ᠦ (xx_) <i>Medial Form</i>
ZWJ+1858	ᠦ (x_) <i>Final Form</i>
1859 (x_) ᠦ	MONGOLIAN LETTER TODO HAA
1859	ᠦ (x_) <i>Isolate Form</i>
1859+ZWJ	ᠦ (x_) <i>Initial Form</i>

ZWJ+1859+ZWJ	ᠦ (x_) <i>Medial Form</i>
ZWJ+1859	ᠦ (x_) <i>Final Form</i> ⁹⁶
185A (x_) ᠦ	MONGOLIAN LETTER TODO JIA
185A+ZWJ	ᠦ (x_) <i>Initial Form</i>
ZWJ+185A+ZWJ	ᠦ (x_) <i>Medial Form</i>
ZWJ+185A	ᠦ (x_) <i>Final Form</i>
185B (xx_) ᠦ	MONGOLIAN LETTER TODO NIA
185B+ZWJ	ᠦ (xx_) <i>Initial Form</i> ²
ZWJ+185B+ZWJ	ᠦ (xx_) <i>Medial Form</i>
ZWJ+185B	ᠦ (x_) <i>Final Form</i>
185C (xx_) ᠦ	MONGOLIAN LETTER TODO DZA
185C+ZWJ	ᠦ (xx_) <i>Initial Form</i>
ZWJ+185C+ZWJ	ᠦ (xx_) <i>Medial Form</i>
ZWJ+185C	ᠦ (x_) <i>Final Form</i>
Sibe Letters	
185D (xx_) ᠦ	MONGOLIAN LETTER SIBE E
185D	ᠦ (xx_) <i>Isolate Form</i>
185D+ZWJ	ᠦ (xx_) <i>Initial Form</i>
ZWJ+185D+ZWJ	ᠦ (xx_) <i>First Medial Form</i>
ZWJ+185D+FVS1+ZWJ	ᠦ (xx_) <i>Second Medial Form</i> (context-driven)
ZWJ+185D	ᠦ (xx_) <i>First Final Form</i> ⁹⁶
ZWJ+185D+FVS1	ᠦ (xx_) <i>Second Final Form</i> (context-driven)
185E (x_) ᠦ	MONGOLIAN LETTER SIBE I
185E	ᠦ (x_) <i>Isolate Form</i>
185E+ZWJ	ᠦ (x_) <i>Initial Form</i>
ZWJ+185E+ZWJ	ᠦ (x_) <i>First Medial Form</i>
ZWJ+185E+FVS1+ZWJ	ᠦ (x_) <i>Second Medial Form</i> ⁹⁶ (context-driven)
ZWJ+185E+FVS2+ZWJ	ᠦ (x_) <i>Third Medial Form</i> (context-driven)
ZWJ+185E	ᠦ (x_) <i>First Final Form</i> (also implemented with NNBSP - actually processed as isolate in accusative suffix)
ZWJ+185E+FVS1	ᠦ (x_) <i>Second Final Form</i> (context-driven)
ZWJ+185E+FVS2	ᠦ (x_) <i>Third Final Form</i>
185F (xx_) ᠦ	MONGOLIAN LETTER SIBE IY
185F+ZWJ	ᠦ (x_) <i>Initial Form</i>
ZWJ+185F+ZWJ	ᠦ (xx_) <i>Medial Form</i>
ZWJ+185F	ᠦ (xx_) <i>Final Form</i>
1860 (xx_) ᠦ	MONGOLIAN LETTER SIBE UE
1860+ZWJ	ᠦ (xx_) <i>Initial Form</i>
ZWJ+1860+ZWJ	ᠦ (xx_) <i>First Medial Form</i>
ZWJ+1860+FVS1+ZWJ	ᠦ (xx_) <i>Second Medial Form</i> (context-driven)

ZWJ+1860	᠊ (xx)	First Final Form	1868+FVS1+ZWJ	᠋ (xx)	Second Initial Form
ZWJ+1860+FVS1	᠊ (xx)	Second Final Form	ZWJ+1868+ZWJ	᠋ (xx)	First Medial Form
ZWJ+1860+FVS2	᠊ (xx)	Third Final Form	ZWJ+1868+FVS1+ZWJ	᠋ (xx)	Second Medial Form
STATUS: Included in Chinese Proposal – WG2#653		(context-driven)	ZWJ+1868+FVS2+ZWJ	᠋ (xx)	Third Medial Form
1861 (xx)	ᠤ	MONGOLIAN LETTER SIBE U	ZWJ+1868	᠋ (xx)	Final Form
1861	ᠤ (x)	Isolate Form	1869 (xx)	ᠤ	MONGOLIAN LETTER SIBE DA
1861+ZWJ	ᠤ (x)	Initial Form	1869+ZWJ	ᠤ (xx)	First Initial Form
ZWJ+1861+ZWJ	ᠤ (xx)	Medial Form*	1869+FVS1+ZWJ	ᠤ (xx)	Second Initial Form
ZWJ+1861	ᠤ (xx)	Final Form	(context-driven and also NNBSF)		
1862 (x)	ᠤ	MONGOLIAN LETTER SIBE ANG	ZWJ+1869+ZWJ	ᠤ (xx)	First Medial Form
1862	ᠤ (x)	Isolate Form	ZWJ+1869+FVS1+ZWJ	ᠤ (xx)	Second Medial Form
1862+ZWJ	ᠤ (x)	Initial Form	(context-driven)		
ZWJ+1862+ZWJ	ᠤ (x)	Medial Form	ZWJ+1869	ᠤ (x)	Final Form
ZWJ+1862	ᠤ (x)	Final Form*	186A (x)	ᠤ	MONGOLIAN LETTER SIBE JA
1863 (x)	ᠤ	MONGOLIAN LETTER SIBE KA	186A+ZWJ	ᠤ (x)	Initial Form
1863	ᠤ (x)	First Isolate Form	ZWJ+186A+ZWJ	ᠤ (x)	Medial Form
1863+FVS1	ᠤ (x)	Second Isolate Form*	ZWJ+186A	ᠤ (x)	Final Form
1863+ZWJ	ᠤ (x)	Initial Form	186B (x)	ᠤ	MONGOLIAN LETTER SIBE FA
ZWJ+1863+ZWJ	ᠤ (x)	First Medial Form	186B+ZWJ	ᠤ (x)	Initial Form
ZWJ+1863+FVS1+ZWJ	ᠤ (x)	Second Medial Form	ZWJ+186B+ZWJ	ᠤ (x)	Medial Form
(context-driven)			ZWJ+186B	ᠤ (x)	Final Form
ZWJ+1863	ᠤ (x)	Final Form*	186C (xx)	ᠤ	MONGOLIAN LETTER SIBE GAA ^s
1864 (xx)	ᠤ	MONGOLIAN LETTER SIBE GA	186C+ZWJ	ᠤ (xx)	Initial Form
1864+FVS1	ᠤ (xx)	Second Isolate Form*	ZWJ+186C+ZWJ	ᠤ (xx)	Medial Form
1864+ZWJ	ᠤ (xx)	Initial Form	ZWJ+186C	ᠤ (x)	Final Form
ZWJ+1864+ZWJ	ᠤ (xx)	Medial Form	186D (xx)	ᠤ	MONGOLIAN LETTER SIBE HAA ^s
ZWJ+1864	ᠤ (x)	Final Form	186D+ZWJ	ᠤ (xx)	Initial Form
1865 (xx)	ᠤ	MONGOLIAN LETTER SIBE HA	ZWJ+186D+ZWJ	ᠤ (xx)	Medial Form
1865+FVS1	ᠤ (xx)	Second Isolate Form*	ZWJ+186D	ᠤ (x)	Final Form
1865+ZWJ	ᠤ (xx)	Initial Form	186E (xx)	ᠤ	MONGOLIAN LETTER SIBE TSA
ZWJ+1865+ZWJ	ᠤ (xx)	Medial Form	186E+ZWJ	ᠤ (xx)	Initial Form
ZWJ+1865	ᠤ (x)	Final Form	ZWJ+186E+ZWJ	ᠤ (xx)	Medial Form
1866 (xx)	ᠤ	MONGOLIAN LETTER SIBE PA ^s	ZWJ+186E	ᠤ (xx)	Final Form
1866+ZWJ	ᠤ (xx)	Initial Form	186F (xx)	ᠤ	MONGOLIAN LETTER SIBE ZA
ZWJ+1866+ZWJ	ᠤ (xx)	Medial Form	186F+ZWJ	ᠤ (xx)	First Initial Form
ZWJ+1866	ᠤ (x)	Final Form	186F+FVS1+ZWJ	ᠤ (xx)	Second Initial Form
1867 (xx)	ᠤ	MONGOLIAN LETTER SIBE SHA	(context-driven)		
1867+ZWJ	ᠤ (xx)	Initial Form	ZWJ+186F+ZWJ	ᠤ (xx)	First Medial Form
ZWJ+1867+ZWJ	ᠤ (xx)	Medial Form	ZWJ+186F+FVS1+ZWJ	ᠤ (xx)	Second Medial Form
ZWJ+1867	ᠤ (x)	Final Form	(context-driven)		
1868 (xx)	ᠤ	MONGOLIAN LETTER SIBE TA	ZWJ+186F	ᠤ (xx)	Final Form
1868+ZWJ	ᠤ (xx)	First Initial Form	1870 (xx)	ᠤ	MONGOLIAN LETTER SIBE RAA
			1870+ZWJ	ᠤ (xx)	Initial Form

ZWJ+1870+ZWJ	᠋ (xx)	Medial Form
ZWJ+1870	᠋ (xx)	Final Form
1871 (xx)	᠋	MONGOLIAN LETTER SIBE CHA
1871+ZWJ	᠋ (xx)	Initial Form
ZWJ+1871+ZWJ	᠋ (xx)	Medial Form
ZWJ+1871	᠋ ()	Final Form
1872 (x)	᠋	MONGOLIAN LETTER SIBE ZHA
1872+ZWJ	᠋ (x)	Initial Form
ZWJ+1872+ZWJ	᠋ (x)	Medial Form
ZWJ+1872	᠋ ()	Final Form

Manchu Letters

1873 (x)	᠋	MONGOLIAN LETTER MANCHU I
1873	᠋ (x)	Isolate Form
1873+ZWJ	᠋ (x)	Initial Form
ZWJ+1873+ZWJ	᠋ (x)	First Medial Form
ZWJ+1873+FVS1+ZWJ	᠋ (x)	Second Medial Form
ZWJ+1873+FVS2+ZWJ	᠋ (x)	Third Medial Form [%]
ZWJ+1873+FVS3+ZWJ	᠋ (x)	Fourth Medial Form
ZWJ+1873	᠋ (x)	First Final Form
ZWJ+1873+FVS1	᠋ (x)	Second Final Form
ZWJ+1873+FVS2	᠋ (x)	Third Final Form
ZWJ+1873+FVS3	᠋ (x)	Fourth Final Form
	(context-driven)	(also implemented with NNBSPP actually processed as isolate in accusative suffix)
	(not in current USVL)	

1874 (x)	᠋	MONGOLIAN LETTER MANCHU KA
1874	᠋ (x)	First Isolate Form
1874+FVS1	᠋ (x)	Second Isolate Form [*]
1874+ZWJ	᠋ (x)	Initial Form
ZWJ+1874+ZWJ	᠋ (x)	First Medial Form
ZWJ+1874+FVS1+ZWJ	᠋ (x)	Second Medial Form
ZWJ+1874+FVS2+ZWJ	᠋ (x)	Third Medial Form
ZWJ+1874+FVS3+ZWJ	᠋ (x)	Fourth Medial Form
ZWJ+1874	᠋ (x)	First Final Form [%]
ZWJ+1874+FVS1	᠋ (x)	Second Final Form
ZWJ+1874+FVS2	᠋ (x)	Third Final Form

1875 (x)	᠋	MONGOLIAN LETTER MANCHU RA
1875	᠋ (x)	Isolate Form
1875+ZWJ	᠋ (x)	Initial Form
ZWJ+1875+ZWJ	᠋ (x)	Medial Form
ZWJ+1875	᠋ (x)	Final Form [%]

1876 (x)	᠋	MONGOLIAN LETTER MANCHU FA
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1876	᠋ (x)	Isolate Form
1876+ZWJ	᠋ (x)	First Initial Form
1876+FVS1+ZWJ	᠋ (x)	Second Initial Form
ZWJ+1876+ZWJ	᠋ (x)	First Medial Form [%]
ZWJ+1876+FVS1+ZWJ	᠋ (x)	Second Medial Form
ZWJ+1876	᠋ ()	Final Form
1877 ()	᠋	MONGOLIAN LETTER MANCHU ZHA
1877+ZWJ	᠋ ()	Initial Form
ZWJ+1877+ZWJ	᠋ ()	Medial Form
ZWJ+1877	᠋ ()	Final Form

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

Ali Gali Letters

1880 (xx_x)	᠋	MONGOLIAN LETTER ALI GALI ANUSVARA
1880+FVS1	᠋ (xx_x)	Second Form
1881 (xx_x)	᠋	MONGOLIAN LETTER ALI GALI VISARGA
1881+FVS1	᠋ (xx_x)	Second Form
1882 (xx_x)	᠋	MONGOLIAN LETTER ALI GALI DAMARU
1883 (xx_x)	᠋	MONGOLIAN LETTER ALI GALI UBADAMA
1884 (xx_x)	᠋	MONGOLIAN LETTER ALI GALI INVERTED UBADAMA

1887 (xx_x)	᠋	MONGOLIAN LETTER ALI GALI A
1887+ZWJ	᠋ ()	Initial Form
ZWJ+1887+ZWJ	᠋ ()	Medial Form
ZWJ+1887	᠋ (x_x)	First Final Form
ZWJ+1887+FVS1	᠋ (x_x)	Second Final Form
ZWJ+1887+FVS2	᠋ (xx_x)	Third Final Form
ZWJ+1887+FVS3	᠋ (xx_x)	Fourth Final Form
ZWJ+1887+VS01	᠋ (x_x)	Fifth Final Form
		STATUS: Proposal #2

1888 (x_x)	᠋	MONGOLIAN LETTER ALI GALI I
1888+ZWJ	᠋ ()	Initial Form
ZWJ+1888+ZWJ	᠋ (x_x)	First Medial Form
ZWJ+1888+ZWJ+FVS1	᠋ (x_x)	Second Medial Form
ZWJ+1888	᠋ (x_x)	First Final Form
ZWJ+1888+FVS1	᠋ (x_x)	Second Final Form

1889	(xx__)	ᠠ	MONGOLIAN LETTER ALI GALI KA ⁵	ZWJ+1892+ZWJ	ᠠ (x__) ⁵ <i>Medial Form</i>		
1889+ZWJ		ᠠ (xx__)	<i>Initial Form</i>	ZWJ+1892	ᠠ (__) <i>Final Form</i>		
ZWJ+1889+ZWJ		ᠠ (x__)	<i>Medial Form</i> ³	1893	(x__)	ᠢ	MONGOLIAN LETTER ALI GALI PHA ⁵
ZWJ+1889		ᠠ (__)	<i>Final Form</i>	1893+ZWJ		ᠢ (x__)	<i>Initial Form</i>
				ZWJ+1893+ZWJ		ᠢ (x__) ⁵	<i>Medial Form</i>
				ZWJ+1893		ᠢ (__)	<i>Final Form</i>
188A	(xx__)	ᠡ	MONGOLIAN LETTER ALI GALI NGA				
188A+ZWJ		ᠡ (xx__)	<i>First Initial Form</i>	1894	(xx__)	ᠣ	MONGOLIAN LETTER ALI GALI SSA
188A+FVS1+ZWJ		ᠡ (xx__)	<i>Second Initial Form</i> (context-driven)	1894+ZWJ		ᠣ (xx__)	<i>Initial Form</i>
ZWJ+188A+ZWJ		ᠡ (xx__)	<i>First Medial Form</i>	ZWJ+1894+ZWJ		ᠣ (xx__)	<i>Medial Form</i>
ZWJ+188A+FVS1+ZWJ		ᠡ (xx__)	<i>Second Medial Form</i> (context-driven)	ZWJ+1894		ᠣ (__)	<i>Final Form</i>
ZWJ+188A		ᠡ (__)	<i>Final Form</i>				
188B	(xx__)	ᠢ	MONGOLIAN LETTER ALI GALI CA	1895	(x__)	ᠣ	MONGOLIAN LETTER ALI GALI ZHA
188B+ZWJ		ᠢ (xx__)	<i>Initial Form</i>	1895+ZWJ		ᠣ (x__)	<i>Initial Form</i>
ZWJ+188B+ZWJ		ᠢ (xx__)	<i>Medial Form</i>	ZWJ+1895+ZWJ		ᠣ (x__) ⁵	<i>Medial Form</i>
ZWJ+188B		ᠢ (__)	<i>Final Form</i>	ZWJ+1895		ᠣ (__)	<i>Final Form</i>
188C	(x__)	ᠣ	MONGOLIAN LETTER ALI GALI TTA	1896	(xx__)	ᠣ	MONGOLIAN LETTER ALI GALI ZA
188C+ZWJ		ᠣ (x__)	<i>Initial Form</i>	1896+ZWJ		ᠣ (xx__)	<i>Initial Form</i>
ZWJ+188C+ZWJ		ᠣ (x__) ⁵	<i>Medial Form</i>	ZWJ+1896+ZWJ		ᠣ (xx__)	<i>Medial Form</i>
ZWJ+188C		ᠣ (__)	<i>Final Form</i>	ZWJ+1896		ᠣ (__)	<i>Final Form</i>
188D	(x__)	ᠣ	MONGOLIAN LETTER ALI GALI TTHA	1897	(x__)	ᠣ	MONGOLIAN LETTER ALI GALI AH
188D+ZWJ		ᠣ (x__)	<i>Initial Form</i>	1897+ZWJ		ᠣ (x__)	<i>Initial Form</i>
ZWJ+188D+ZWJ		ᠣ (x__) ⁵	<i>Medial Form</i>	ZWJ+1897+ZWJ		ᠣ (x__)	<i>Medial Form</i> ⁵
ZWJ+188D		ᠣ (__)	<i>Final Form</i>	ZWJ+1897		ᠣ (__)	<i>Final Form</i>
188E	(x__)	ᠣ	MONGOLIAN LETTER ALI GALI DDA	1898	(x__)	ᠣ	MONGOLIAN LETTER TODO ALI GALI TA
188E+ZWJ		ᠣ (x__)	<i>Initial Form</i>	1898+ZWJ		ᠣ (x__)	<i>Initial Form</i>
ZWJ+188E+ZWJ		ᠣ (x__) ⁵	<i>Medial Form</i>	ZWJ+1898+ZWJ		ᠣ (__)	<i>Medial Form</i>
ZWJ+188E		ᠣ (__)	<i>Final Form</i>	ZWJ+1898		ᠣ (__)	<i>Final Form</i>
188F	(x_xx)	ᠣ	MONGOLIAN LETTER ALI GALI NNA	1899	(x__)	ᠣ	MONGOLIAN LETTER TODO ALI GALI ZHA
188F+ZWJ		ᠣ (xx_xx)	<i>Initial Form</i>	1899+ZWJ		ᠣ (x__)	<i>Initial Form</i>
ZWJ+188F+ZWJ		ᠣ (xx_xx)	<i>Medial Form</i>	ZWJ+1899+ZWJ		ᠣ (__)	<i>Medial Form</i>
ZWJ+188F		ᠣ (__)	<i>Final Form</i>	ZWJ+1899		ᠣ (__)	<i>Final Form</i>
1890	(x__)	ᠣ	MONGOLIAN LETTER ALI GALI TA	189A	(__x)	ᠨ	MONGOLIAN LETTER MANCHU ALI GALI GH
1890+ZWJ		ᠣ (x__)	<i>Initial Form</i>	189A+ZWJ		ᠨ (x__)	<i>Initial Form</i>
ZWJ+1890+ZWJ		ᠣ (x__) ⁵	<i>Medial Form</i>	ZWJ+189A+ZWJ		ᠨ (x__)	<i>Medial Form</i>
ZWJ+1890		ᠣ (__)	<i>Final Form</i>	ZWJ+189A		ᠨ (__)	<i>Final Form</i>
1891	(x__)	ᠣ	MONGOLIAN LETTER ALI GALI DA	189B	(__x)	ᠨ	MONGOLIAN LETTER MANCHU ALI GALI NGA
1891+ZWJ		ᠣ (x__)	<i>Initial Form</i>	189B+ZWJ		ᠨ (x__)	<i>Initial Form</i>
ZWJ+1891+ZWJ		ᠣ (x__) ⁵	<i>Medial Form</i>	ZWJ+189B+ZWJ		ᠨ (x__)	<i>Medial Form</i>
ZWJ+1891		ᠣ (__)	<i>Final Form</i>	ZWJ+189B		ᠨ (__)	<i>Final Form</i>
1892	(x__x)	ᠣ	MONGOLIAN LETTER ALI GALI PA ⁵	189C	(__x)	ᠨ	MONGOLIAN LETTER MANCHU ALI GALI CA
1892+ZWJ		ᠣ (x__x)	<i>Initial Form</i>	189C+ZWJ		ᠨ (x__)	<i>Initial Form</i>
				ZWJ+189C+ZWJ		ᠨ (x__)	<i>Medial Form</i>

