

WG2 N4900*Date: 2017-09-24***Title: Considerations on Mongolian Code Chart****Source: Michel Suignard, Project Editor****Status: Individual Contribution****Distribution: WG2****Reference: WG2 N4884**

Summary: This document is proposing an update of the Mongolian code charts according to findings in document N4884. This has no bearing on the overall discussion concerning the Mongolian encoding model. The main goal is to ensure the most accurate representation of the current encoding of the Mongolian block.

The document N4884 'Positional Mismatches in Mongolian Encoding' contains in Appendix A contains a 'Full chart of the Mongolian variant specifications in TUS without editorial errors. That chart aims at representing the Mongolian code chart as intended (minus the newly proposed U+1878), including positional shapes and FVS variants. The differences between N4884 and the current Mongolian code charts in both Unicode 10.0 and the PDAM1.3 code charts are mainly classified in the following three categories:

- Treatment of isolates: N4884 does not always specify isolate forms, because they may not exist in Mongolian. On the other side, the expectation of the Unicode code chart was that the representative glyph was the isolate first form unless it was mentioned explicitly in the list of positional forms. The representative glyph is the glyph shown on the same line as the character name (and in the cells of the initial pages showing the glyphs in tabular format).
- Positional forms missing in the Unicode code charts. These charts are missing some isolate forms, therefore giving the incorrect impression that the current representative glyph are the isolate forms.
- Unattested position forms presented in the Unicode code charts. According to N4884, any empty cell in the table presented in its Appendix A represented unattested position forms (isolate, initial, medial, or final). For some characters, there are no positional forms presented at all. For others, only some are missing. On the other hand, the Unicode code charts tend to present a fully populated positional context because inherently there is no restriction in what can be created by a user, even if it does not make sense from an orthography point of view.

To address these issues, the author suggests modifying the Mongolian Unicode code charts in the following manners:

- 1) Explicitly state that unless mentioned explicitly, for any code point entry containing position forms, the representative glyph for the isolated first form is undefined,
- 2) Add the missing isolate first forms as specified by N4884,
- 3) When a code point has no positional forms in N4884, remove these in the code charts, this does not fully define the representative glyph for the isolated first form if any.
- 4) When a code point has no isolate first form in N4884, it will be implied by the above item 1 that the isolate first form is undefined. This can be modified in the future once the preferred isolate first forms are defined for additional Mongolian code points.
- 5) When a code point has some missing position forms other than isolate first form, it is suggested to use a generic symbol showing unattested, something like U+22A0 ☒. Once attestation or preferred practice is found, these positions can be populated by the appropriate glyph(s).

- 6) It is possible that some code points that have no position forms shown based on the item 3 above will be shown with such forms in the future, if evidences are found.

The following pages show a prototype of the modified Mongolian code charts per amendment 1.3 and the modification suggested above and can be the candidate representation for ISO/IEC 10646:2016 Amendment 1 and Unicode version 11.0.

Appendix

List of changes from Unicode 10.0 chart:

Removal of all positional forms for: 1806, 1807, 1841, 1842, 1858, 185A, 185B, 186C, 186D, 1870, 188C, 188D, 188E, 188F, 1890, 1891, 1892, 1893, 1895, 1897, 1898, 1899, 18A0, 18A6, 18A7, 18A8.

Removal of initial first form for: 1829, 1843, 184A, 185F, 1862, 1887, 1888

Removal of medial first form for: 1851, 1887, 1888, 1889

Removal of final first form for: 182C, 1836, 1840, 1844, 1855, 1864, 1865, 1866, 1869, 186A, 186B, 186E, 186F, 1871, 1872, 1876, 1877, 1889, 188A, 188B, 1894, 1896, 189A, 189B, 189C, 189D, 189E, 189F, 18A1, 18A2, 18A3, 18A4, 18A5, 18AA

Addition of isolate first form for: 1820, 1821, 1822, 1823, 1825, 1827, 182C, 182D, 1845, 1846, 1847, 1848, 1849, 184E, 1860, 1863, 1864, 1865, 1874, 1887, 1888, 1889.

List of explicitly recognized isolate first forms

The following code points have recognized explicit isolate first forms: 1820..1827, 182C..182D, 1845..1849, 184E, 185D, 185E, 1860..1861, 1863..1865, 1873..1874.

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Punctuation

Additional birgas are encoded in the Mongolian Supplement block at 11660-1167F.

- 1800 ʔ MONGOLIAN BIRGA
→ 0F04 ཅ tibetan mark initial yig mgo mdun ma
- 1801 ---- MONGOLIAN ELLIPSIS
- 1802 ∙ MONGOLIAN COMMA
- 1803 ∙∙ MONGOLIAN FULL STOP
- 1804 ∶ MONGOLIAN COLON
- 1805 ❖ MONGOLIAN FOUR DOTS
• marks the end of a chapter
- 1806 – MONGOLIAN TODO SOFT HYPHEN
• not a format control character, but simply a hyphen for Todo
→ 00AD ͜ soft hyphen
- 1807 ʈ MONGOLIAN SIBE SYLLABLE BOUNDARY MARKER
- 1808 › MONGOLIAN MANCHU COMMA
- 1809 ›› MONGOLIAN MANCHU FULL STOP
- 180A - MONGOLIAN NIRUGU

Format controls

- 180B FVS1 MONGOLIAN FREE VARIATION SELECTOR ONE
• abbreviated FVS1
- 180C FVS2 MONGOLIAN FREE VARIATION SELECTOR TWO
• abbreviated FVS2
- 180D FVS3 MONGOLIAN FREE VARIATION SELECTOR THREE
• abbreviated FVS3
- 180E MVS MONGOLIAN VOWEL SEPARATOR
• abbreviated MVS

Digits

- 1810 0 MONGOLIAN DIGIT ZERO
- 1811 1 MONGOLIAN DIGIT ONE
- 1812 2 MONGOLIAN DIGIT TWO
- 1813 3 MONGOLIAN DIGIT THREE
- 1814 4 MONGOLIAN DIGIT FOUR
- 1815 5 MONGOLIAN DIGIT FIVE
- 1816 6 MONGOLIAN DIGIT SIX
- 1817 7 MONGOLIAN DIGIT SEVEN
- 1818 8 MONGOLIAN DIGIT EIGHT
- 1819 9 MONGOLIAN DIGIT NINE

Basic letters

Cross-references show commonly used Cyrillic transliterations.

Letters with no known distinct position forms shown are shown without them. Letters with unattested position forms use a special symbol 22A0 to indicate the lack of attestation.

- 1820 ᠠ MONGOLIAN LETTER A
→ 0430 а cyrillic small letter a
~ 1820 ᠠ first form (isolate)
~ 1820 ᠡ first form (initial)
~ 1820 ᠢ first form (medial)
~ 1820 ᠣ first form (final)
~ 1820 180B ᠡ second form (isolate)
~ 1820 180B ᠢ second form (medial)
~ 1820 180B ᠣ second form (final)
~ 1820 180C ᠡ third form (medial)

- 1821 ᠡ MONGOLIAN LETTER E
→ 044D э cyrillic small letter e
~ 1821 ᠡ first form (isolate)
~ 1821 ᠢ first form (initial)
~ 1821 ᠣ first form (medial)
~ 1821 ᠣ first form (final)
~ 1821 180B ᠢ second form (initial)
~ 1821 180B ᠣ second form (final)
- 1822 ᠢ MONGOLIAN LETTER I
→ 0438 и cyrillic small letter i
~ 1822 ᠢ first form (isolate)
~ 1822 ᠣ first form (initial)
~ 1822 ᠣ first form (medial)
~ 1822 ᠣ first form (final)
~ 1822 180B ᠢ second form (medial)
- 1823 ᠣ MONGOLIAN LETTER O
→ 043E о cyrillic small letter o
~ 1823 ᠣ first form (isolate)
~ 1823 ᠣ first form (initial)
~ 1823 ᠣ first form (medial)
~ 1823 ᠣ first form (final)
~ 1823 180B ᠣ second form (medial)
~ 1823 180B ᠣ second form (final)
- 1824 ᠤ MONGOLIAN LETTER U
→ 0443 у cyrillic small letter u
~ 1824 ᠤ first form (isolate)
~ 1824 ᠣ first form (initial)
~ 1824 ᠣ first form (medial)
~ 1824 ᠣ first form (final)
~ 1824 180B ᠣ second form (medial)
- 1825 ᠥ MONGOLIAN LETTER OE
→ 04E9 ө cyrillic small letter barred o
~ 1825 ᠥ first form (isolate)
~ 1825 ᠣ first form (initial)
~ 1825 ᠣ first form (medial)
~ 1825 ᠣ first form (final)
~ 1825 180B ᠣ second form (medial)
~ 1825 180B ᠣ second form (final)
~ 1825 180C ᠣ third form (medial)
- 1826 ᠦ MONGOLIAN LETTER UE
→ 04AF ү cyrillic small letter straight u
~ 1826 ᠦ first form (isolate)
~ 1826 ᠣ first form (initial)
~ 1826 ᠣ first form (medial)
~ 1826 ᠣ first form (final)
~ 1826 180B ᠦ second form (isolate)
~ 1826 180B ᠣ second form (medial)
~ 1826 180B ᠣ second form (final)
~ 1826 180C ᠣ third form (medial)
- 1827 ᠦ MONGOLIAN LETTER EE
~ 1827 ᠦ first form (isolate)
~ 1827 ᠣ first form (initial)
~ 1827 ᠣ first form (medial)
~ 1827 ᠣ first form (final)
- 1828 ᠨ MONGOLIAN LETTER NA
→ 043D н cyrillic small letter en
~ 1828 ᠨ first form (initial)
~ 1828 ᠢ first form (medial)
~ 1828 ᠣ first form (final)
~ 1828 180B ᠨ second form (initial)
~ 1828 180B ᠢ second form (medial)
~ 1828 180C ᠨ third form (medial)
~ 1828 180D ᠨ fourth form (medial)

- 1829 ᠠ MONGOLIAN LETTER ANG
 ~ 1829 ᠠ first form (initial)
 ~ 1829 ᠠ first form (medial)
 ~ 1829 ᠠ first form (final)
- 182A ᠪ MONGOLIAN LETTER BA
 → 0431 ᠪ cyrillic small letter be
 ~ 182A ᠪ first form (initial)
 ~ 182A ᠪ first form (medial)
 ~ 182A ᠪ first form (final)
 ~ 182A 180B ᠪ second form (final)
- 182B ᠮ MONGOLIAN LETTER PA
 → 043F ᠮ cyrillic small letter pe
 ~ 182B ᠮ first form (initial)
 ~ 182B ᠮ first form (medial)
 ~ 182B ᠮ first form (final)
- 182C ᠬ MONGOLIAN LETTER QA
 → 0445 ᠬ cyrillic small letter ha
 ~ 182C ᠬ first form (isolate)
 ~ 182C ᠬ first form (initial)
 ~ 182C ᠬ first form (medial)
 ~ 182C ᠬ first form (final)
 ~ 182C 180B ᠬ second form (isolate)
 ~ 182C 180B ᠬ second form (initial)
 ~ 182C 180B ᠬ second form (medial)
 ~ 182C 180C ᠬ third form (medial)
 ~ 182C 180D ᠬ fourth form (medial)
- 182D ᠭ MONGOLIAN LETTER GA
 → 0433 ᠭ cyrillic small letter ghe
 ~ 182D ᠭ first form (isolate)
 ~ 182D ᠭ first form (initial)
 ~ 182D ᠭ first form (medial)
 ~ 182D ᠭ first form (final)
 ~ 182D 180B ᠭ second form (initial)
 ~ 182D 180B ᠭ second form (medial)
 ~ 182D 180B ᠭ second form (final)
 ~ 182D 180C ᠭ third form (medial)
 ~ 182D 180D ᠭ fourth form (medial)
- 182E ᠮ MONGOLIAN LETTER MA
 → 043C ᠮ cyrillic small letter em
 ~ 182E ᠮ first form (initial)
 ~ 182E ᠮ first form (medial)
 ~ 182E ᠮ first form (final)
- 182F ᠯ MONGOLIAN LETTER LA
 → 043B ᠯ cyrillic small letter el
 ~ 182F ᠯ first form (initial)
 ~ 182F ᠯ first form (medial)
 ~ 182F ᠯ first form (final)
- 1830 ᠰ MONGOLIAN LETTER SA
 → 0441 ᠰ cyrillic small letter es
 ~ 1830 ᠰ first form (initial)
 ~ 1830 ᠰ first form (medial)
 ~ 1830 ᠰ first form (final)
 ~ 1830 180B ᠰ second form (final)
 ~ 1830 180C ᠰ third form (final)
- 1831 ᠱ MONGOLIAN LETTER SHA
 → 0448 ᠱ cyrillic small letter sha
 ~ 1831 ᠱ first form (initial)
 ~ 1831 ᠱ first form (medial)
 ~ 1831 ᠱ first form (final)

- 1832 ᠲ MONGOLIAN LETTER TA
 → 0442 ᠲ cyrillic small letter te
 ~ 1832 ᠲ first form (initial)
 ~ 1832 ᠲ first form (medial)
 ~ 1832 ᠲ first form (final)
 ~ 1832 180B ᠲ second form (medial)
- 1833 ᠳ MONGOLIAN LETTER DA
 → 0434 ᠳ cyrillic small letter de
 ~ 1833 ᠳ first form (initial)
 ~ 1833 ᠳ first form (medial)
 ~ 1833 ᠳ first form (final)
 ~ 1833 180B ᠳ second form (initial)
 ~ 1833 180B ᠳ second form (medial)
 ~ 1833 180B ᠳ second form (final)
- 1834 ᠴ MONGOLIAN LETTER CHA
 → 0447 ᠴ cyrillic small letter che
 ~ 1834 ᠴ first form (initial)
 ~ 1834 ᠴ first form (medial)
 ~ 1834 ᠴ first form (final)
- 1835 ᠵ MONGOLIAN LETTER JA
 → 0436 ᠵ cyrillic small letter zhe
 ~ 1835 ᠵ first form (initial)
 ~ 1835 ᠵ first form (medial)
 ~ 1835 ᠵ first form (final)
 ~ 1835 180B ᠵ second form (medial)
- 1836 ᠶ MONGOLIAN LETTER YA
 → 0439 ᠶ cyrillic small letter short i
 ~ 1836 ᠶ first form (initial)
 ~ 1836 ᠶ first form (medial)
 ~ 1836 ᠶ first form (final)
 ~ 1836 180B ᠶ second form (initial)
 ~ 1836 180B ᠶ second form (medial)
 ~ 1836 180C ᠶ third form (medial)
- 1837 ᠷ MONGOLIAN LETTER RA
 → 0440 ᠷ cyrillic small letter er
 ~ 1837 ᠷ first form (initial)
 ~ 1837 ᠷ first form (medial)
 ~ 1837 ᠷ first form (final)
- 1838 ᠸ MONGOLIAN LETTER WA
 → 0432 ᠸ cyrillic small letter ve
 ~ 1838 ᠸ first form (initial)
 ~ 1838 ᠸ first form (medial)
 ~ 1838 ᠸ first form (final)
 ~ 1838 180B ᠸ second form (final)
- 1839 ᠸ MONGOLIAN LETTER FA
 → 0444 ᠸ cyrillic small letter ef
 ~ 1839 ᠸ first form (initial)
 ~ 1839 ᠸ first form (medial)
 ~ 1839 ᠸ first form (final)
- 183A ᠨ MONGOLIAN LETTER KA
 → 0445 ᠨ cyrillic small letter ha
 ~ 183A ᠨ first form (initial)
 ~ 183A ᠨ first form (medial)
 ~ 183A ᠨ first form (final)
- 183B ᠬ MONGOLIAN LETTER KHA
 → 043A ᠬ cyrillic small letter ka
 ~ 183B ᠬ first form (initial)
 ~ 183B ᠬ first form (medial)
 ~ 183B ᠬ first form (final)

183C **ᠮ** MONGOLIAN LETTER TSA
 → 0446 **Ц** cyrillic small letter ze
 ~ 183C **ᠮ** first form (initial)
 ~ 183C **ᠮ** first form (medial)
 ~ 183C **ᠮ** first form (final)

183D **ᠵ** MONGOLIAN LETTER ZA
 → 0437 **З** cyrillic small letter ze
 ~ 183D **ᠵ** first form (initial)
 ~ 183D **ᠵ** first form (medial)
 ~ 183D **ᠵ** first form (final)

183E **ᠬ** MONGOLIAN LETTER HAA
 → 0445 **Х** cyrillic small letter ha
 ~ 183E **ᠬ** first form (initial)
 ~ 183E **ᠬ** first form (medial)
 ~ 183E **ᠬ** first form (final)

183F **ᠵ** MONGOLIAN LETTER ZRA
 → 0436 **Ж** cyrillic small letter zhe
 ~ 183F **ᠵ** first form (initial)
 ~ 183F **ᠵ** first form (medial)
 ~ 183F **ᠵ** first form (final)

1840 **ᠬ** MONGOLIAN LETTER LHA
 ~ 1840 **ᠬ** first form (initial)
 ~ 1840 **ᠬ** first form (medial)
 ~ 1840 **ᠬ** first form (final)

1841 **ᠵ** MONGOLIAN LETTER ZHI

1842 **ᠴ** MONGOLIAN LETTER CHI

Todo letters

1843 **ᠠ** MONGOLIAN LETTER TODO LONG VOWEL SIGN
 ~ 1843 **ᠠ** first form (initial)
 ~ 1843 **ᠠ** first form (medial)
 ~ 1843 **ᠠ** first form (final)

1844 **ᠡ** MONGOLIAN LETTER TODO E
 ~ 1844 **ᠡ** first form (initial)
 ~ 1844 **ᠡ** first form (medial)
 ~ 1844 **ᠡ** first form (final)
 ~ 1844 180B **ᠡ** second form (medial)

1845 **ᠢ** MONGOLIAN LETTER TODO I
 ~ 1845 **ᠢ** first form (isolate)
 ~ 1845 **ᠢ** first form (initial)
 ~ 1845 **ᠢ** first form (medial)
 ~ 1845 **ᠢ** first form (final)
 ~ 1845 180B **ᠢ** second form (medial)

1846 **ᠣ** MONGOLIAN LETTER TODO O
 ~ 1846 **ᠣ** first form (isolate)
 ~ 1846 **ᠣ** first form (initial)
 ~ 1846 **ᠣ** first form (medial)
 ~ 1846 **ᠣ** first form (final)
 ~ 1846 180B **ᠣ** second form (medial)

1847 **ᠤ** MONGOLIAN LETTER TODO U
 ~ 1847 **ᠤ** first form (isolate)
 ~ 1847 **ᠤ** first form (initial)
 ~ 1847 **ᠤ** first form (medial)
 ~ 1847 **ᠤ** first form (final)
 ~ 1847 180B **ᠤ** second form (isolate)
 ~ 1847 180B **ᠤ** second form (medial)
 ~ 1847 180B **ᠤ** second form (final)
 ~ 1847 180C **ᠤ** third form (medial)

1848 **ᠥ** MONGOLIAN LETTER TODO OE
 ~ 1848 **ᠥ** first form (isolate)
 ~ 1848 **ᠥ** first form (initial)
 ~ 1848 **ᠥ** first form (medial)
 ~ 1848 **ᠥ** first form (final)
 ~ 1848 180B **ᠥ** second form (medial)

1849 **ᠦ** MONGOLIAN LETTER TODO UE
 ~ 1849 **ᠦ** first form (isolate)
 ~ 1849 **ᠦ** first form (initial)
 ~ 1849 **ᠦ** first form (medial)
 ~ 1849 **ᠦ** first form (final)
 ~ 1849 180B **ᠦ** second form (isolate)
 ~ 1849 180B **ᠦ** second form (medial)

184A **ᠮ** MONGOLIAN LETTER TODO ANG
 ~ 184A **ᠮ** first form (initial)
 ~ 184A **ᠮ** first form (medial)
 ~ 184A **ᠮ** first form (final)

184B **ᠮ** MONGOLIAN LETTER TODO BA
 ~ 184B **ᠮ** first form (initial)
 ~ 184B **ᠮ** first form (medial)
 ~ 184B **ᠮ** first form (final)

184C **ᠮ** MONGOLIAN LETTER TODO PA
 ~ 184C **ᠮ** first form (initial)
 ~ 184C **ᠮ** first form (medial)
 ~ 184C **ᠮ** first form (final)

184D **ᠮ** MONGOLIAN LETTER TODO QA
 ~ 184D **ᠮ** first form (initial)
 ~ 184D **ᠮ** first form (medial)
 ~ 184D **ᠮ** first form (final)
 ~ 184D 180B **ᠮ** second form (initial)
 ~ 184D 180B **ᠮ** second form (medial)

184E **ᠮ** MONGOLIAN LETTER TODO GA
 ~ 184E **ᠮ** first form (isolate)
 ~ 184E **ᠮ** first form (initial)
 ~ 184E **ᠮ** first form (medial)
 ~ 184E **ᠮ** first form (final)
 ~ 184E 180B **ᠮ** second form (medial)

184F **ᠮ** MONGOLIAN LETTER TODO MA
 ~ 184F **ᠮ** first form (initial)
 ~ 184F **ᠮ** first form (medial)
 ~ 184F **ᠮ** first form (final)

1850 **ᠮ** MONGOLIAN LETTER TODO TA
 ~ 1850 **ᠮ** first form (initial)
 ~ 1850 **ᠮ** first form (medial)
 ~ 1850 **ᠮ** first form (final)

1851 **ᠮ** MONGOLIAN LETTER TODO DA
 ~ 1851 **ᠮ** first form (initial)
 ~ 1851 **ᠮ** first form (medial)
 ~ 1851 **ᠮ** first form (final)

1852 **ᠮ** MONGOLIAN LETTER TODO CHA
 ~ 1852 **ᠮ** first form (initial)
 ~ 1852 **ᠮ** first form (medial)
 ~ 1852 **ᠮ** first form (final)

1853 **ᠮ** MONGOLIAN LETTER TODO JA
 ~ 1853 **ᠮ** first form (initial)
 ~ 1853 **ᠮ** first form (medial)
 ~ 1853 **ᠮ** first form (final)

1854 **ᠮ** MONGOLIAN LETTER TODO TSA
 ~ 1854 **ᠮ** first form (initial)
 ~ 1854 **ᠮ** first form (medial)
 ~ 1854 **ᠮ** first form (final)

- 1855 ᠮ MONGOLIAN LETTER TODO YA
 ~ 1855 ᠮ first form (initial)
 ~ 1855 ᠮ first form (medial)
 ~ 1855 ᠮ first form (final)
- 1856 ᠯ MONGOLIAN LETTER TODO WA
 ~ 1856 ᠯ first form (initial)
 ~ 1856 ᠯ first form (medial)
 ~ 1856 ᠯ first form (final)
- 1857 ᠮ MONGOLIAN LETTER TODO KA
 ~ 1857 ᠮ first form (initial)
 ~ 1857 ᠮ first form (medial)
 ~ 1857 ᠮ first form (final)
- 1858 ᠮ MONGOLIAN LETTER TODO GAA
- 1859 ᠮ MONGOLIAN LETTER TODO HAA
 ~ 1859 ᠮ first form (initial)
 ~ 1859 ᠮ first form (medial)
 ~ 1859 ᠮ first form (final)
- 185A ᠮ MONGOLIAN LETTER TODO JIA
- 185B ᠮ MONGOLIAN LETTER TODO NIA
- 185C ᠮ MONGOLIAN LETTER TODO DZA
 ~ 185C ᠮ first form (initial)
 ~ 185C ᠮ first form (medial)
 ~ 185C ᠮ first form (final)

Sibe letters

- 185D ᠮ MONGOLIAN LETTER SIBE E
 ~ 185D ᠮ first form (isolate)
 ~ 185D ᠮ first form (initial)
 ~ 185D ᠮ first form (medial)
 ~ 185D ᠮ first form (final)
 ~ 185D 180B ᠮ second form (medial)
 ~ 185D 180B ᠮ second form (final)
- 185E ᠮ MONGOLIAN LETTER SIBE I
 ~ 185E ᠮ first form (isolate)
 ~ 185E ᠮ first form (initial)
 ~ 185E ᠮ first form (medial)
 ~ 185E ᠮ first form (final)
 ~ 185E 180B ᠮ second form (medial)
 ~ 185E 180B ᠮ second form (final)
 ~ 185E 180C ᠮ third form (medial)
 ~ 185E 180C ᠮ third form (final)
- 185F ᠮ MONGOLIAN LETTER SIBE IY
 ~ 185F ᠮ first form (initial)
 ~ 185F ᠮ first form (medial)
 ~ 185F ᠮ first form (final)
- 1860 ᠮ MONGOLIAN LETTER SIBE UE
 ~ 1860 ᠮ first form (isolate)
 ~ 1860 ᠮ first form (initial)
 ~ 1860 ᠮ first form (medial)
 ~ 1860 ᠮ first form (final)
 ~ 1860 180B ᠮ second form (medial)
 ~ 1860 180B ᠮ second form (final)
- 1861 ᠮ MONGOLIAN LETTER SIBE U
 ~ 1861 ᠮ first form (isolate)
 ~ 1861 ᠮ first form (initial)
 ~ 1861 ᠮ first form (medial)
 ~ 1861 ᠮ first form (final)
- 1862 ᠮ MONGOLIAN LETTER SIBE ANG
 ~ 1862 ᠮ first form (initial)
 ~ 1862 ᠮ first form (medial)
 ~ 1862 ᠮ first form (final)

- 1863 ᠮ MONGOLIAN LETTER SIBE KA
 ~ 1863 ᠮ first form (isolate)
 ~ 1863 ᠮ first form (initial)
 ~ 1863 ᠮ first form (medial)
 ~ 1863 ᠮ first form (final)
 ~ 1863 180B ᠮ second form (medial)
- 1864 ᠮ MONGOLIAN LETTER SIBE GA
 ~ 1864 ᠮ first form (isolate)
 ~ 1864 ᠮ first form (initial)
 ~ 1864 ᠮ first form (medial)
 ~ 1864 ᠮ first form (final)
- 1865 ᠮ MONGOLIAN LETTER SIBE HA
 ~ 1865 ᠮ first form (isolate)
 ~ 1865 ᠮ first form (initial)
 ~ 1865 ᠮ first form (medial)
 ~ 1865 ᠮ first form (final)
- 1866 ᠮ MONGOLIAN LETTER SIBE PA
 ~ 1866 ᠮ first form (initial)
 ~ 1866 ᠮ first form (medial)
 ~ 1866 ᠮ first form (final)
- 1867 ᠮ MONGOLIAN LETTER SIBE SHA
 ~ 1867 ᠮ first form (initial)
 ~ 1867 ᠮ first form (medial)
 ~ 1867 ᠮ first form (final)
- 1868 ᠮ MONGOLIAN LETTER SIBE TA
 ~ 1868 ᠮ first form (initial)
 ~ 1868 ᠮ first form (medial)
 ~ 1868 ᠮ first form (final)
 ~ 1868 180B ᠮ second form (initial)
 ~ 1868 180B ᠮ second form (medial)
 ~ 1868 180C ᠮ third form (medial)
- 1869 ᠮ MONGOLIAN LETTER SIBE DA
 ~ 1869 ᠮ first form (initial)
 ~ 1869 ᠮ first form (medial)
 ~ 1869 ᠮ first form (final)
 ~ 1869 180B ᠮ second form (initial)
 ~ 1869 180B ᠮ second form (medial)
- 186A ᠮ MONGOLIAN LETTER SIBE JA
 ~ 186A ᠮ first form (initial)
 ~ 186A ᠮ first form (medial)
 ~ 186A ᠮ first form (final)
- 186B ᠮ MONGOLIAN LETTER SIBE FA
 ~ 186B ᠮ first form (initial)
 ~ 186B ᠮ first form (medial)
 ~ 186B ᠮ first form (final)
- 186C ᠮ MONGOLIAN LETTER SIBE GAA
- 186D ᠮ MONGOLIAN LETTER SIBE HAA
- 186E ᠮ MONGOLIAN LETTER SIBE TSA
 ~ 186E ᠮ first form (initial)
 ~ 186E ᠮ first form (medial)
 ~ 186E ᠮ first form (final)
- 186F ᠮ MONGOLIAN LETTER SIBE ZA
 ~ 186F ᠮ first form (initial)
 ~ 186F ᠮ first form (medial)
 ~ 186F ᠮ first form (final)
 ~ 186F 180B ᠮ second form (initial)
 ~ 186F 180B ᠮ second form (medial)
- 1870 ᠮ MONGOLIAN LETTER SIBE RAA
- 1871 ᠮ MONGOLIAN LETTER SIBE CHA
 ~ 1871 ᠮ first form (initial)
 ~ 1871 ᠮ first form (medial)
 ~ 1871 ᠮ first form (final)

- 1872 𐠵 MONGOLIAN LETTER SIBE ZHA
 ~ 1872 𐠵 first form (initial)
 ~ 1872 𐠵 first form (medial)
 ~ 1872 𐠵 first form (final)

Manchu letters

- 1873 𐠶 MONGOLIAN LETTER MANCHU I
 ~ 1873 𐠶 first form (isolate)
 ~ 1873 𐠶 first form (initial)
 ~ 1873 𐠶 first form (medial)
 ~ 1873 𐠶 first form (final)
 ~ 1873 180B 𐠶 second form (medial)
 ~ 1873 180B 𐠶 second form (final)
 ~ 1873 180C 𐠶 third form (medial)
 ~ 1873 180C 𐠶 third form (final)
 ~ 1873 180D 𐠶 fourth form (medial)
- 1874 𐠷 MONGOLIAN LETTER MANCHU KA
 ~ 1874 𐠷 first form (isolate)
 ~ 1874 𐠷 first form (initial)
 ~ 1874 𐠷 first form (medial)
 ~ 1874 𐠷 first form (final)
 ~ 1874 180B 𐠷 second form (medial)
 ~ 1874 180B 𐠷 second form (final)
 ~ 1874 180C 𐠷 third form (medial)
 ~ 1874 180C 𐠷 third form (final)
 ~ 1874 180D 𐠷 fourth form (medial)
- 1875 𐠸 MONGOLIAN LETTER MANCHU RA
 ~ 1875 𐠸 first form (initial)
 ~ 1875 𐠸 first form (medial)
 ~ 1875 𐠸 first form (final)
- 1876 𐠹 MONGOLIAN LETTER MANCHU FA
 ~ 1876 𐠹 first form (initial)
 ~ 1876 𐠹 first form (medial)
 ~ 1876 𐠹 first form (final)
 ~ 1876 180B 𐠹 second form (initial)
 ~ 1876 180B 𐠹 second form (medial)
- 1877 𐠺 MONGOLIAN LETTER MANCHU ZHA
 ~ 1877 𐠺 first form (initial)
 ~ 1877 𐠺 first form (medial)
 ~ 1877 𐠺 first form (final)

Buryat letter






























- 1878 𐠻 MONGOLIAN LETTER CHA WITH TWO DOTS
 ~ 1878 𐠻 first form (initial)
 ~ 1878 𐠻 first form (medial)
 ~ 1878 𐠻 first form (final)





























Extensions for Sanskrit and Tibetan
































- 1880 𐠼 MONGOLIAN LETTER ALI GALI ANUSVARA ONE
 → 0F83 𐠼 tibetan sign sna ldan
 ~ 1880 180B 𐠼 second form
- 1881 𐠽 MONGOLIAN LETTER ALI GALI VISARGA ONE
 → 0F7F 𐠽 tibetan sign rnam bcad
 ~ 1881 180B 𐠽 second form
- 1882 𐠾 MONGOLIAN LETTER ALI GALI DAMARU
 → 0F88 𐠾 tibetan sign lce tsa can
- 1883 𐠿 MONGOLIAN LETTER ALI GALI UBADAMA
- 1884 𐡀 MONGOLIAN LETTER ALI GALI INVERTED UBADAMA
 → 0F89 𐡀 tibetan sign mchu can
- 1885 𐡁 MONGOLIAN LETTER ALI GALI BALUDA
 → 0F85 𐡁 tibetan mark paluta
- 1886 𐡂 MONGOLIAN LETTER ALI GALI THREE BALUDA


































- 1887 𐡃 MONGOLIAN LETTER ALI GALI A
 ~ 1887 𐡃 first form (isolate)
 ~ 1887 𐡃 first form (initial)
 ~ 1887 𐡃 first form (medial)
 ~ 1887 𐡃 first form (final)
 ~ 1887 180B 𐡃 second form (isolate)
 ~ 1887 180B 𐡃 second form (final)
 ~ 1887 180C 𐡃 third form (final)
 ~ 1887 180D 𐡃 fourth form (final)
- 1888 𐡄 MONGOLIAN LETTER ALI GALI I
 ~ 1888 𐡄 first form (isolate)
 ~ 1888 𐡄 first form (initial)
 ~ 1888 𐡄 first form (medial)
 ~ 1888 𐡄 first form (final)
 ~ 1888 180B 𐡄 second form (final)
- 1889 𐡅 MONGOLIAN LETTER ALI GALI KA
 ~ 1889 𐡅 first form (isolate)
 ~ 1889 𐡅 first form (initial)
 ~ 1889 𐡅 first form (medial)
 ~ 1889 𐡅 first form (final)
- 188A 𐡆 MONGOLIAN LETTER ALI GALI NGA
 ~ 188A 𐡆 first form (initial)
 ~ 188A 𐡆 first form (medial)
 ~ 188A 𐡆 first form (final)
 ~ 188A 180B 𐡆 second form (initial)
 ~ 188A 180B 𐡆 second form (medial)
- 188B 𐡇 MONGOLIAN LETTER ALI GALI CA
 ~ 188B 𐡇 first form (initial)
 ~ 188B 𐡇 first form (medial)
 ~ 188B 𐡇 first form (final)
- 188C 𐡈 MONGOLIAN LETTER ALI GALI TTA
- 188D 𐡉 MONGOLIAN LETTER ALI GALI TTHA
- 188E 𐡊 MONGOLIAN LETTER ALI GALI DDA
- 188F 𐡋 MONGOLIAN LETTER ALI GALI NNA
- 1890 𐡌 MONGOLIAN LETTER ALI GALI TA
- 1891 𐡍 MONGOLIAN LETTER ALI GALI DA
- 1892 𐡎 MONGOLIAN LETTER ALI GALI PA
- 1893 𐡏 MONGOLIAN LETTER ALI GALI PHA
- 1894 𐡐 MONGOLIAN LETTER ALI GALI SSA
 ~ 1894 𐡐 first form (initial)
 ~ 1894 𐡐 first form (medial)
 ~ 1894 𐡐 first form (final)
- 1895 𐡑 MONGOLIAN LETTER ALI GALI ZHA
- 1896 𐡒 MONGOLIAN LETTER ALI GALI ZA
 ~ 1896 𐡒 first form (initial)
 ~ 1896 𐡒 first form (medial)
 ~ 1896 𐡒 first form (final)
- 1897 𐡓 MONGOLIAN LETTER ALI GALI AH
- 1898 𐡔 MONGOLIAN LETTER TODO ALI GALI TA
- 1899 𐡕 MONGOLIAN LETTER TODO ALI GALI ZHA
- 189A 𐡖 MONGOLIAN LETTER MANCHU ALI GALI GHA
 ~ 189A 𐡖 first form (initial)
 ~ 189A 𐡖 first form (medial)
 ~ 189A 𐡖 first form (final)
- 189B 𐡗 MONGOLIAN LETTER MANCHU ALI GALI NGA
 ~ 189B 𐡗 first form (initial)
 ~ 189B 𐡗 first form (medial)
 ~ 189B 𐡗 first form (final)
- 189C 𐡘 MONGOLIAN LETTER MANCHU ALI GALI CA
 ~ 189C 𐡘 first form (initial)
 ~ 189C 𐡘 first form (medial)
 ~ 189C 𐡘 first form (final)







































- 189D 𐠣 MONGOLIAN LETTER MANCHU ALI GALI JHA
 ~ 189D 𐠣 first form (initial)
 ~ 189D 𐠣 first form (medial)
 ~ 189D 𐠣 first form (final)
- 189E 𐠣 MONGOLIAN LETTER MANCHU ALI GALI TTA
 ~ 189E 𐠣 first form (initial)
 ~ 189E 𐠣 first form (medial)
 ~ 189E 𐠣 first form (final)
- 189F 𐠣 MONGOLIAN LETTER MANCHU ALI GALI DDHA
 ~ 189F 𐠣 first form (initial)
 ~ 189F 𐠣 first form (medial)
 ~ 189F 𐠣 first form (final)
- 18A0 𐠣 MONGOLIAN LETTER MANCHU ALI GALI TA
 18A1 𐠣 MONGOLIAN LETTER MANCHU ALI GALI DHA
 ~ 18A1 𐠣 first form (initial)
 ~ 18A1 𐠣 first form (medial)
 ~ 18A1 𐠣 first form (final)
- 18A2 𐠣 MONGOLIAN LETTER MANCHU ALI GALI SSA
 ~ 18A2 𐠣 first form (initial)
 ~ 18A2 𐠣 first form (medial)
 ~ 18A2 𐠣 first form (final)
- 18A3 𐠣 MONGOLIAN LETTER MANCHU ALI GALI CYA
 ~ 18A3 𐠣 first form (initial)
 ~ 18A3 𐠣 first form (medial)
 ~ 18A3 𐠣 first form (final)
- 18A4 𐠣 MONGOLIAN LETTER MANCHU ALI GALI ZHA
 ~ 18A4 𐠣 first form (initial)
 ~ 18A4 𐠣 first form (medial)
 ~ 18A4 𐠣 first form (final)
- 18A5 𐠣 MONGOLIAN LETTER MANCHU ALI GALI ZA
 ~ 18A5 𐠣 first form (initial)
 ~ 18A5 𐠣 first form (medial)
 ~ 18A5 𐠣 first form (final)
- 18A6 𐠣 MONGOLIAN LETTER ALI GALI HALF U
 18A7 𐠣 MONGOLIAN LETTER ALI GALI HALF YA
 18A8 𐠣 MONGOLIAN LETTER MANCHU ALI GALI BHA
 18A9 𐠣 MONGOLIAN LETTER ALI GALI DAGALGA
 18AA 𐠣 MONGOLIAN LETTER MANCHU ALI GALI LHA
 ~ 18AA 𐠣 first form (initial)
 ~ 18AA 𐠣 first form (medial)
 ~ 18AA 𐠣 first form (final)



































Contextual Variants and Standardized Variation Sequences			
<i>Unlike other blocks, these variation sequences use the script-specific variation selectors for Mongolian.</i>		1822	 MONGOLIAN LETTER I
1820	 MONGOLIAN LETTER A	1822	 first form (isolate)
1820	 first form (isolate)	1822	 first form (initial)
1820	 first form (initial)	1822	 first form (medial)
1820	 first form (medial)	1822	 first form (final)
1820	 first form (final)	1822	 second form (medial)
1820	 second form (isolate)	1822 180B	 MONGOLIAN LETTER O
1820 180B	 second form (medial)	1823	 first form (isolate)
1820 180B	 second form (final)	1823	 first form (initial)
1820 180B	 third form (medial)	1823	 first form (medial)
1820 180C	 MONGOLIAN LETTER E	1823	 first form (final)
1821	 first form (isolate)	1823	 second form (medial)
1821	 first form (initial)	1823 180B	 second form (final)
1821	 first form (medial)	1823 180B	
1821	 first form (final)		
1821	 second form (initial)		
1821 180B	 second form (final)		
1821 180B			































1824	 MONGOLIAN LETTER U	1826	 MONGOLIAN LETTER UE
1824	 first form (isolate)	1826	 first form (isolate)
1824	 first form (initial)	1826	 first form (initial)
1824	 first form (medial)	1826	 first form (medial)
1824	 first form (final)	1826	 first form (final)
1824	 second form (medial)	1826	 second form (isolate)
1824 180B		1826 180B	
1825	 MONGOLIAN LETTER OE	1826 180B	 second form (medial)
1825	 first form (isolate)	1826 180B	 second form (final)
1825	 first form (initial)	1826 180B	 third form (medial)
1825	 first form (medial)	1826 180C	
1825	 first form (final)	1827	 MONGOLIAN LETTER EE
1825	 second form (medial)	1827	 first form (isolate)
1825 180B		1827	 first form (initial)
1825 180B	 second form (final)	1827	 first form (medial)
1825 180B		1827	 first form (final)
1825 180C	 third form (medial)	1827	
































1828		MONGOLIAN LETTER NA	182B		MONGOLIAN LETTER PA
1828		first form (initial)	182B		first form (initial)
1828		first form (medial)	182B		first form (medial)
1828		first form (final)	182B		first form (final)
1828		second form (initial)	182C		MONGOLIAN LETTER QA
1828 180B		second form (medial)	182C		first form (isolate)
1828 180B		third form (medial)	182C		first form (initial)
1828 180C		fourth form (medial)	182C		first form (medial)
1829		MONGOLIAN LETTER ANG	182C		first form (final)
1829		first form (initial)	182C		second form (isolate)
1829		first form (medial)	182C 180B		second form (initial)
1829		first form (final)	182C 180B		second form (medial)
1829		MONGOLIAN LETTER BA	182C 180B		third form (medial)
182A		first form (initial)	182C 180C		fourth form (medial)
182A		first form (medial)	182C 180D		
182A		first form (final)			
182A		second form (final)			
182A 180B					




































182D		MONGOLIAN LETTER GA	1830		MONGOLIAN LETTER SA
182D		first form (isolate)	1830		first form (initial)
182D		first form (initial)	1830		first form (medial)
182D		first form (medial)	1830		first form (final)
182D		first form (final)	1830		second form (final)
182D		second form (initial)	1830 180B		third form (final)
182D 180B		second form (medial)	1830 180C		
182D 180B		second form (final)	1831		MONGOLIAN LETTER SHA
182D 180B		third form (medial)	1831		first form (initial)
182D 180C		fourth form (medial)	1831		first form (medial)
182E		MONGOLIAN LETTER MA	1831		first form (final)
182E		first form (initial)	1832		MONGOLIAN LETTER TA
182E		first form (medial)	1832		first form (initial)
182E		first form (final)	1832		first form (medial)
182F		MONGOLIAN LETTER LA	1832		first form (final)
182F		first form (initial)	1832		second form (medial)
182F		first form (medial)	1832 180B		
182F		first form (final)			

































1833		MONGOLIAN LETTER DA	1836		MONGOLIAN LETTER YA
1833		first form (initial)	1836		first form (initial)
1833		first form (medial)	1836		first form (medial)
1833		first form (final)	1836		first form (final)
1833		second form (initial)	1836		second form (initial)
1833 180B		second form (medial)	1836 180B		second form (medial)
1833 180B		second form (final)	1836 180B		third form (medial)
1833 180B		second form (final)	1836 180C		second form (final)
1834		MONGOLIAN LETTER CHA	1837		MONGOLIAN LETTER RA
1834		first form (initial)	1837		first form (initial)
1834		first form (medial)	1837		first form (medial)
1834		first form (final)	1837		first form (final)
1834		first form (final)	1837		first form (final)
1835		MONGOLIAN LETTER JA	1838		MONGOLIAN LETTER WA
1835		first form (initial)	1838		first form (initial)
1835		first form (medial)	1838		first form (medial)
1835		first form (final)	1838		first form (final)
1835		second form (medial)	1838		second form (final)
1835 180B		second form (medial)	1838 180B		second form (final)
































1839		MONGOLIAN LETTER FA	183D		MONGOLIAN LETTER ZA
1839		first form (initial)	183D		first form (initial)
1839		first form (medial)	183D		first form (medial)
1839		first form (final)	183D		first form (final)
183A		MONGOLIAN LETTER KA	183E		MONGOLIAN LETTER HAA
183A		first form (initial)	183E		first form (initial)
183A		first form (medial)	183E		first form (medial)
183A		first form (final)	183E		first form (final)
183B		MONGOLIAN LETTER KHA	183F		MONGOLIAN LETTER ZRA
183B		first form (initial)	183F		first form (initial)
183B		first form (medial)	183F		first form (medial)
183B		first form (final)	183F		first form (final)
183C		MONGOLIAN LETTER TSA	1840		MONGOLIAN LETTER LHA
183C		first form (initial)	1840		first form (initial)
183C		first form (medial)	1840		first form (medial)
183C		first form (final)	1840		first form (final)
183C		first form (final)	1840		first form (final)

































1843	 MONGOLIAN LETTER TODO LONG VOWEL SIGN 1843  first form (initial) 1843  first form (medial) 1843  first form (final) 1843	1846	 MONGOLIAN LETTER TODO O 1846  first form (isolate) 1846  first form (initial) 1846  first form (medial) 1846  first form (final) 1846  second form (medial) 1846 180B	
1844	 MONGOLIAN LETTER TODO E 1844  first form (initial) 1844  first form (medial) 1844  first form (final) 1844  second form (medial) 1844 180B	1847	 MONGOLIAN LETTER TODO U 1847  first form (isolate) 1847  first form (initial) 1847  first form (medial) 1847  first form (final) 1847  second form (isolate) 1847 180B  second form (medial) 1847 180B  second form (final) 1847 180B  third form (medial) 1847 180C	
1845	 MONGOLIAN LETTER TODO I 1845  first form (isolate) 1845  first form (initial) 1845  first form (medial) 1845  first form (final) 1845  second form (medial) 1845 180B			


































1848		MONGOLIAN LETTER TODO OE	184B		MONGOLIAN LETTER TODO BA
1848		first form (isolate)	184B		first form (initial)
1848		first form (initial)	184B		first form (medial)
1848		first form (medial)	184B		first form (final)
1848		first form (final)	184C		MONGOLIAN LETTER TODO PA
1848		second form (medial)	184C		first form (initial)
1848 180B		MONGOLIAN LETTER TODO UE	184C		first form (medial)
1849		first form (isolate)	184C		first form (final)
1849		first form (initial)	184C		MONGOLIAN LETTER TODO QA
1849		first form (medial)	184D		first form (initial)
1849		first form (final)	184D		first form (medial)
1849		second form (isolate)	184D		first form (final)
1849 180B		second form (medial)	184D		second form (initial)
1849 180B		MONGOLIAN LETTER TODO ANG	184D 180B		second form (medial)
184A		first form (initial)	184D 180B		
184A		first form (medial)			
184A		first form (final)			
184A					



































184E		MONGOLIAN LETTER TODO GA	1852		MONGOLIAN LETTER TODO CHA
184E		first form (isolate)	1852		first form (initial)
184E		first form (initial)	1852		first form (medial)
184E		first form (medial)	1852		first form (final)
184E		first form (final)	1853		MONGOLIAN LETTER TODO JA
184E		second form (medial)	1853		first form (initial)
184E 180B			1853		first form (medial)
184F		MONGOLIAN LETTER TODO MA	1853		first form (final)
184F		first form (initial)	1854		MONGOLIAN LETTER TODO TSA
184F		first form (medial)	1854		first form (initial)
184F		first form (final)	1854		first form (medial)
1850		MONGOLIAN LETTER TODO TA	1854		first form (final)
1850		first form (initial)	1855		MONGOLIAN LETTER TODO YA
1850		first form (medial)	1855		first form (initial)
1850		first form (final)	1855		first form (medial)
1851		MONGOLIAN LETTER TODO DA	1855		first form (final)
1851		first form (initial)	1855		first form (final)
1851		first form (medial)			
1851		first form (final)			































1856		MONGOLIAN LETTER TODO WA	185D		MONGOLIAN LETTER SIBE E
1856		first form (initial)	185D		first form (isolate)
1856		first form (medial)	185D		first form (initial)
1856		first form (final)	185D		first form (medial)
1857		MONGOLIAN LETTER TODO KA	185D		first form (final)
1857		first form (initial)	185D		second form (medial)
1857		first form (medial)	185D 180B		second form (final)
1857		first form (final)	185D 180B		MONGOLIAN LETTER SIBE I
1859		MONGOLIAN LETTER TODO HAA	185E		first form (isolate)
1859		first form (initial)	185E		first form (initial)
1859		first form (medial)	185E		first form (medial)
1859		first form (final)	185E		first form (final)
185C		MONGOLIAN LETTER TODO DZA	185E		second form (medial)
185C		first form (initial)	185E 180B		second form (final)
185C		first form (medial)	185E 180B		third form (medial)
185C		first form (final)	185E 180C		third form (final)
185C			185E 180C		

































185F	 MONGOLIAN LETTER SIBE IY	1862	 MONGOLIAN LETTER SIBE ANG
185F	 first form (initial)	1862	 first form (initial)
185F	 first form (medial)	1862	 first form (medial)
185F	 first form (final)	1862	 first form (final)
1860	185F  MONGOLIAN LETTER SIBE UE	1863	1862  MONGOLIAN LETTER SIBE KA
1860	 first form (isolate)	1863	 first form (isolate)
1860	 first form (initial)	1863	 first form (initial)
1860	 first form (medial)	1863	 first form (medial)
1860	 first form (final)	1863	 first form (final)
1860	 second form (medial)	1863	 second form (medial)
1860 180B	 second form (final)	1863 180B	1864  MONGOLIAN LETTER SIBE GA
1861	1860 180B  MONGOLIAN LETTER SIBE U	1864	 first form (isolate)
1861	 first form (isolate)	1864	 first form (initial)
1861	 first form (initial)	1864	 first form (medial)
1861	 first form (medial)	1864	 first form (final)
1861	 first form (final)	1864	

























1865		MONGOLIAN LETTER SIBE HA	1868		MONGOLIAN LETTER SIBE TA
1865		first form (isolate)	1868		first form (initial)
1865		first form (initial)	1868		first form (medial)
1865		first form (medial)	1868		first form (final)
1865		first form (final)	1868		second form (initial)
1866		MONGOLIAN LETTER SIBE PA	1868 180B		second form (medial)
1866		first form (initial)	1868 180B		third form (medial)
1866		first form (medial)	1868 180C		MONGOLIAN LETTER SIBE DA
1866		first form (final)	1869		first form (initial)
1867		MONGOLIAN LETTER SIBE SHA	1869		first form (medial)
1867		first form (initial)	1869		first form (final)
1867		first form (medial)	1869		second form (initial)
1867		first form (final)	1869 180B		second form (medial)
1867		first form (final)	1869 180B		MONGOLIAN LETTER SIBE JA
			186A		first form (initial)
			186A		first form (medial)
			186A		first form (final)
			186A		first form (final)

186B		MONGOLIAN LETTER SIBE FA	1872		MONGOLIAN LETTER SIBE ZHA
186B		first form (initial)	1872		first form (initial)
186B		first form (medial)	1872		first form (medial)
186B		first form (final)	1872		first form (final)
186E		MONGOLIAN LETTER SIBE TSA	1873		MONGOLIAN LETTER MANCHU I
186E		first form (initial)	1873		first form (isolate)
186E		first form (medial)	1873		first form (initial)
186E		first form (final)	1873		first form (medial)
186F		MONGOLIAN LETTER SIBE ZA	1873		first form (final)
186F		first form (initial)	1873		second form (medial)
186F		first form (medial)	1873 180B		second form (final)
186F		first form (final)	1873 180B		third form (medial)
186F		second form (initial)	1873 180C		third form (final)
186F 180B		second form (medial)	1873 180C		fourth form (medial)
186F 180B		second form (medial)	1873 180D		
1871		MONGOLIAN LETTER SIBE CHA			
1871		first form (initial)			
1871		first form (medial)			
1871		first form (final)			

1874		MONGOLIAN LETTER MANCHU KA	1876		MONGOLIAN LETTER MANCHU FA
1874		first form (isolate)	1876		first form (initial)
1874		first form (initial)	1876		first form (medial)
1874		first form (medial)	1876		first form (final)
1874		first form (final)	1876		second form (initial)
1874		second form (medial)	1876 180B		second form (medial)
1874 180B		second form (final)	1876 180B		MONGOLIAN LETTER MANCHU ZHA
1874 180B		third form (medial)	1877		first form (initial)
1874 180C		third form (final)	1877		first form (medial)
1874 180C		fourth form (medial)	1877		first form (final)
1874 180D		MONGOLIAN LETTER MANCHU RA	1877		MONGOLIAN LETTER CHA WITH TWO DOTS
1875		first form (initial)	1878		first form (initial)
1875		first form (medial)	1878		first form (medial)
1875		first form (final)	1878		first form (final)
1875		MONGOLIAN LETTER ALI GALI ANUSVARA ONE	1878		MONGOLIAN LETTER ALI GALI ANUSVARA ONE
			1880		second form
			1880 180B		MONGOLIAN LETTER ALI GALI VISARGA ONE
			1881		second form
			1881 180B		MONGOLIAN LETTER ALI GALI VISARGA ONE

1887	 MONGOLIAN LETTER ALI GALI A	1889	 MONGOLIAN LETTER ALI GALI KA
1887	 first form (isolate)	1889	 first form (isolate)
1887	 first form (initial)	1889	 first form (initial)
1887	 first form (medial)	1889	 first form (medial)
1887	 first form (final)	1889	 first form (final)
1887	 second form (isolate)	188A	 MONGOLIAN LETTER ALI GALI NGA
1887 180B	 second form (final)	188A	 first form (initial)
1887 180B	 third form (final)	188A	 first form (medial)
1887 180C	 fourth form (final)	188A	 first form (final)
1887 180D	 MONGOLIAN LETTER ALI GALI I	188A	 second form (initial)
1888	 first form (isolate)	188A 180B	 second form (medial)
1888	 first form (initial)	188A 180B	 MONGOLIAN LETTER ALI GALI CA
1888	 first form (medial)	188B	 first form (initial)
1888	 first form (final)	188B	 first form (medial)
1888	 second form (final)	188B	 first form (final)
1888 180B		188B	

1894		MONGOLIAN LETTER ALI GALI SSA	189C		MONGOLIAN LETTER MANCHU ALI GALI CA
1894		first form (initial)	189C		first form (initial)
1894		first form (medial)	189C		first form (medial)
1894		first form (final)	189C		first form (final)
1896		MONGOLIAN LETTER ALI GALI ZA	189D		MONGOLIAN LETTER MANCHU ALI GALI JHA
1896		first form (initial)	189D		first form (initial)
1896		first form (medial)	189D		first form (medial)
1896		first form (final)	189D		first form (final)
189A		MONGOLIAN LETTER MANCHU ALI GALI GHA	189E		MONGOLIAN LETTER MANCHU ALI GALI TTA
189A		first form (initial)	189E		first form (initial)
189A		first form (medial)	189E		first form (medial)
189A		first form (final)	189E		first form (final)
189B		MONGOLIAN LETTER MANCHU ALI GALI NGA	189F		MONGOLIAN LETTER MANCHU ALI GALI DDHA
189B		first form (initial)	189F		first form (initial)
189B		first form (medial)	189F		first form (medial)
189B		first form (final)	189F		first form (final)

<p>18A1  MONGOLIAN LETTER MANCHU ALI GALI DHA</p> <p>18A1  first form (initial)</p> <p>18A1  first form (medial)</p> <p>18A1  first form (final)</p>	<p>18A5  MONGOLIAN LETTER MANCHU ALI GALI ZA</p> <p>18A5  first form (initial)</p> <p>18A5  first form (medial)</p> <p>18A5  first form (final)</p>
<p>18A2  MONGOLIAN LETTER MANCHU ALI GALI SSA</p> <p>18A2  first form (initial)</p> <p>18A2  first form (medial)</p> <p>18A2  first form (final)</p>	<p>18AA  MONGOLIAN LETTER MANCHU ALI GALI LHA</p> <p>18AA  first form (initial)</p> <p>18AA  first form (medial)</p> <p>18AA  first form (final)</p>
<p>18A3  MONGOLIAN LETTER MANCHU ALI GALI CYA</p> <p>18A3  first form (initial)</p> <p>18A3  first form (medial)</p> <p>18A3  first form (final)</p>	
<p>18A4  MONGOLIAN LETTER MANCHU ALI GALI ZHA</p> <p>18A4  first form (initial)</p> <p>18A4  first form (medial)</p> <p>18A4  first form (final)</p>	