

UTR#50 Vertical_Orientation

Assignments for Unicode 8.0 Characters

To: UTC

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Overview

This document explains assignments of Vertical_Orientation for new characters in Unicode 8.0 in the [proposed update of UTR#50 revision 14](#).

Data

Code points	Value (reserved)	Name and Notes
08B3..08B4 08E3 0AF9 0C5A 0D5F 13F5 13F8..13FD 20BE	R	ARABIC LETTER AIN WITH THREE DOTS BELOW..ARABIC LETTER KAF WITH DOT BELOW ARABIC TURNED DAMMA BELOW GUJARATI LETTER ZHA TELUGU LETTER RRRRA MALAYALAM LETTER ARCHAIC II CHEROKEE LETTER MV CHEROKEE SMALL LETTER YE..CHEROKEE SMALL LETTER MV LARI SIGN All Rotated, the same vo value for existing characters in those scripts and blocks.
218A..218B	R (U)	TURNED DIGIT TWO..TURNED DIGIT THREE Though the whole block is U, the samples in the proposal show them used as duodecimal digits together with ASCII digits in Latin text.
2BEC..2BEF	R (U) Arrows	LEFTWARDS TWO-HEADED ARROW WITH TRIANGLE ARROWHEADS..DOWNWARDS TWO-HEADED ARROW WITH TRIANGLE ARROWHEADS

		Arrows, hence Rotated. This range in the Miscellaneous Symbols and Arrows block is currently Upright, so this would be a change from the current (default) value, but consistency with all arrows should be preserved.
9FCD..9FD5	U	CJK UNIFIED IDEOGRAPH-9FCD..CJK UNIFIED IDEOGRAPH-9FD5
A69E A78F A7B2..A7B7 A8FC..A8FD AB60..AB63	R	COMBINING CYRILLIC LETTER EF LATIN LETTER SINOLOGICAL DOT LATIN CAPITAL LETTER J WITH CROSSED-TAIL..LATIN SMALL LETTER OMEGA DEVANAGARI SIGN SIDDHAM..DEVANAGARI JAIN OM LATIN SMALL LETTER SAKHA YAT..LATIN SMALL LETTER UO
AB70..ABBF	R	CHEROKEE SMALL LETTER A..CHEROKEE SMALL LETTER YA
FE2E..FE2F	R	COMBINING CYRILLIC TITLO LEFT HALF..COMBINING CYRILLIC TITLO RIGHT HALF
108E0..108F2 108F4..108F5 108FB..108FF	R	HATRAN LETTER ALEPH..HATRAN LETTER QOPH HATRAN LETTER SHIN..HATRAN LETTER TAW HATRAN NUMBER ONE..HATRAN NUMBER ONE HUNDRED
109BC..109BD 109C0..109CF 109D2..109FF	R	MEROITIC CURSIVE FRACTION ELEVEN TWELFTHS..MEROITIC CURSIVE FRACTION ONE HALF MEROITIC CURSIVE NUMBER ONE..MEROITIC CURSIVE NUMBER SEVENTY MEROITIC CURSIVE NUMBER ONE HUNDRED..MEROITIC CURSIVE FRACTION TEN TWELFTHS Meroitic hieroglyphs (different block) are U and Meroitic Cursive letters are R.
10C80..10CB2 10CC0..10CF2 10CFA..10CFF	R	OLD HUNGARIAN CAPITAL LETTER A..OLD HUNGARIAN CAPITAL LETTER US OLD HUNGARIAN SMALL LETTER A..OLD HUNGARIAN SMALL LETTER US OLD HUNGARIAN NUMBER ONE..OLD HUNGARIAN NUMBER ONE THOUSAND
111C9..111CC 111DB..111DF	R	SHARADA SANDHI MARK..SHARADA EXTRA SHORT VOWEL MARK SHARADA SIGN SIDDHAM..SHARADA SECTION MARK-2

11280..11286 11288 1128A..1128D 1128F..1129D 1129F..112A9	R	MULTANI LETTER A..MULTANI LETTER GA MULTANI LETTER GHA MULTANI LETTER CA..MULTANI LETTER JJA MULTANI LETTER NYA..MULTANI LETTER BA MULTANI LETTER BHA..MULTANI SECTION MARK Used to write languages also written in Gurmukhi, Khojki and Khudawadi (and also uses Gurmukhi digits) – all of which are Rotated.
11300 11350	R	GRANTHA SIGN COMBINING ANUSVARA ABOVE GRANTHA OM
115CA..115DD	U	SIDDHAM SECTION MARK WITH TRIDENT AND U-SHAPED ORNAMENTS..SIDDHAM VOWEL SIGN ALTERNATE UU Like all Siddham.
11700..11719 1171D..1172B 11730..1173F	R	AHOM LETTER KA..AHOM LETTER JHA AHOM CONSONANT SIGN MEDIAL LA..AHOM SIGN KILLER AHOM DIGIT ZERO..AHOM SYMBOL VI Used in NE India; also found in bilingual manuscripts with Assamese (Bengali) – both reasons to assign Rotated.
12399 12480..12543	R	CUNEIFORM SIGN U U CUNEIFORM SIGN AB TIMES NUN TENU..CUNEIFORM SIGN ZU5 TIMES THREE DISH TENU Like all Cuneiform.
14400..14646	U (R)	ANATOLIAN HIEROGLYPH A001..ANATOLIAN HIEROGLYPH A530 For consistency with Egyptian Hieroglyphs.
1D1DE..1D1E8	U	MUSICAL SYMBOL KIEVAN C CLEF..MUSICAL SYMBOL KIEVAN FLAT SIGN Like all musical symbols.
1D800..1DA8B 1DA9B..1DA9F 1DAA1..1DAAF	U (R)	SIGNWRITING HAND-FIST INDEX..SIGNWRITING PARENTHESIS SIGNWRITING FILL MODIFIER-2..SIGNWRITING FILL MODIFIER-6 SIGNWRITING ROTATION MODIFIER-2..SIGNWRITING ROTATION MODIFIER-16

		Upright because rotation by 45° increments is accomplished using modifier characters and because this notational system appears written in vertical columns, with all pieces that compose a “sign” (the equivalent of a word) being upright.
1F32D..1F32F 1F37E..1F37F 1F3CF..1F3D3 1F3F8..1F3FF 1F4FF 1F54B..1F54F 1F643..1F644 1F6D0	U	HOT DOG..BURRITO BOTTLE WITH POPPING CORK..POPCORN CRICKET BAT AND BALL..TABLE TENNIS PADDLE AND BALL BADMINTON RACQUET AND SHUTTLECOCK..EMOJI MODIFIER FITZPATRICK TYPE-6 PRAYER BEADS KAABA..BOWL OF HYGIEIA UPSIDE-DOWN FACE..FACE WITH ROLLING EYES PLACE OF WORSHIP Like all pictographs and emoticons.
1F910..1F918 1F980..1F984 1F9C0	U (R)	ZIPPER-MOUTH FACE..SIGN OF THE HORNS CRAB..UNICORN FACE CHEESE WEDGE New block, U+1F900..U+1F9FF Supplemental Symbols and Pictographs, which would default to Upright.
2B820..2CEA1	U	CJK UNIFIED IDEOGRAPH-2B820..CJK UNIFIED IDEOGRAPH-2CEA1