

**Title:** Resolutions of UTR #50 character data changes from UTC meeting #134  
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**Status:** Individual contribution  
**Action:** For the information of the Unicode Technical Committee  
**Date:** 2013-04-30

## Abstract

This document summarizes the resolutions of the Unicode Technical Committee from UTC meeting #134 regarding UTR #50 data changes after discussing proposals L2/13-042 *Proposed changes to the UTR #50 character data* [1] and L2/13-043 *UTR#50 Data Review* [2]. These changes constitute the difference in data between revisions 8 and 9 of Draft UTR #50 [3, 4] and include the conclusions of the 2012-10-25 teleconference, which had not been incorporated in revision 8 of the data files [5], but were later discussed by the UTC at meeting #134 on 2013-01-31.





## Data changes

The UTR #50 data changes accepted by the UTC at meeting #134 are summarized in the following table, grouped by related characters.

Table 1: Changes in Vertical\_Orientation property values

Code point(s)	Glyph(s)	Character name(s)	MVO in [5]	UTC resolutions for draft g data	
				VO	Comments
00B1 00D7 00F7 221E 2234 2235	± × ÷ ∞ .∴ ∴	PLUS-MINUS SIGN MULTIPLICATION SIGN DIVISION SIGN INFINITY THEREFORE BECAUSE	R	U	A review note in draft g invites for feedback on the value U
00B6	¶	PILCROW SIGN	U	R	204B ¶ is R
02E5 ..02E9	᷂᷀᷁᷃	MODIFIER LETTER EXTRA-HIGH TONE BAR ..MODIFIER LETTER EXTRA-LOW TONE BAR	U	R	
2018 2019	'	LEFT SINGLE QUOTATION MARK RIGHT SINGLE QUOTATION MARK	T	R	A review note in draft g invites for feedback on the value R; 201C “ through 201F ” are R
203D	?	INTERROBANG	U	R	2E18 ¿ is R
2044	/	FRACTION SLASH	U	R	

2102	Ɔ	DOUBLE-STRUCK CAPITAL C			
210A	ɡ	SCRIPT SMALL G			
210B	ℋ	SCRIPT CAPITAL H			
210C	℥	BLACK-LETTER CAPITAL H			
210D	Ⓜ	DOUBLE-STRUCK CAPITAL H			
210E	ℏ	PLANCK CONSTANT			
2110	ℐ	SCRIPT CAPITAL I			
2111	ℑ	BLACK-LETTER CAPITAL I			
2112	ℒ	SCRIPT CAPITAL L			
2115	ℕ	DOUBLE-STRUCK CAPITAL N			
2119	ℙ	DOUBLE-STRUCK CAPITAL P			
211A	ℚ	DOUBLE-STRUCK CAPITAL Q			
211B	℞	SCRIPT CAPITAL R	U	R	210F ℏ PLANCK CONSTANT OVER Two Pi and 2113 ℓ SCRIPT SMALL L stay U
211C	ℜ	BLACK-LETTER CAPITAL R			
211D	Ⓡ	DOUBLE-STRUCK CAPITAL R			
2124	ℤ	DOUBLE-STRUCK CAPITAL Z			
2128	Ƶ	BLACK-LETTER CAPITAL Z			
212C	ℬ	SCRIPT CAPITAL B			
212D	℄	BLACK-LETTER CAPITAL C			
212F	ℯ	SCRIPT SMALL E			
2130	ℰ	SCRIPT CAPITAL E			
2131	ℱ	SCRIPT CAPITAL F			
2133	ℳ	SCRIPT CAPITAL M			
2134	ℴ	SCRIPT SMALL O			
2322	⤴	FROWN	U	R	
2323	⤵	SMILE			
2329	⌈	LEFT-POINTING ANGLE BRACKET	U	R	Canonically equivalent to 3008 ⌈ and 3009 ⌋
232A	⌋	RIGHT-POINTING ANGLE BRACKET			
23B4	⌞	TOP SQUARE BRACKET			
23B5	⏟	BOTTOM SQUARE BRACKET	U	R	
23B6	⏞	BOTTOM SQUARE BRACKET OVER TOP SQUARE BRACKET			
23BA ..23BD	— — —	HORIZONTAL SCAN LINE-1 ..HORIZONTAL SCAN LINE-9	U	R	
23CE	↵	RETURN SYMBOL	U	R	A review note in draft g invites for feedback on value R
2423	⌏	OPEN BOX	U	R	
FFFC	☐	OBJECT REPLACEMENT CHARACTER	-	U	

10980 .. 1099F	 	MEROITIC HIEROGLYPHIC LETTER A ..MEROITIC HIEROGLYPHIC SYMBOL VIDJ-2	R	U	
E0000 .. E007F		<RESERVED-E0000> .. CANCEL TAG	-	R	Same as the format characters 206A  through 206F 
F0000 .. 10FFFF		PRIVATE USE CHARACTER-F0000 ETC.	-	U	Supplementary PUA-A, -B, including noncharacters

## References

- [1] Worachai Chaoweeraprasit et al., *L2/13-042 – Proposed changes to the UTR #50 character data*, <http://www.unicode.org/L2/L2013/13042-utr50-data-chg.pdf>, January 2013.
- [2] Koji Ishii 石井宏治, *L2/13-043 – UTR#50 Data Review*, <http://www.unicode.org/L2/L2013/13043-utr50-data-revw.pdf>, January 2013.
- [3] Koji Ishii 石井宏治, *Proposed Draft UTR #50 – Unicode Properties for Horizontal and Vertical Text Layout*, Revision 8, <http://www.unicode.org/reports/tr50/tr50-8.html>, October 2012. Earlier revisions authored by Eric Muller.
- [4] Koji Ishii 石井宏治, *Draft UTR #50 – Unicode Vertical Text Layout*, Revision 9, <http://www.unicode.org/reports/tr50/tr50-9.html>, April 2013.
- [5] Eric Muller et al., *UTR #50 character data files*, Revision 8, <http://www.unicode.org/reports/tr50/tr50-8.Orientation.txt> and [tr50-8.Orientation.html](http://www.unicode.org/reports/tr50/tr50-8.Orientation.html), posted January 2013.