



# Proposal for the modification of the sample character layout of WAVE\_DASH (U+301C)

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## Summary

WAVE\_DASH (U+301C) is a character to match JIS C 6226-1978 1-33. However, the sample character layout of U+301C is different from the original character. The shape of the Unicode character is up-side-down of the original character. This document proposes to modify Unicode's sample character layout to fit to the original character (JIS C 6226-1978 1-33).

Wave dash of JIS C 6226-1978 1-33	Wave dash of Unicode
 A thick black wavy line that starts with a downward curve on the left, rises to a peak in the middle, and then curves downward on the right.	 A thick black wavy line that starts with an upward curve on the left, dips to a trough in the middle, and then curves upward on the right.

<http://commons.wikimedia.org/wiki/>

[File:Wave\\_Dash2.svg#mediaviewer/%E3%83%95%E3%82%A1%E3%82%A4%E3%83%AB:Wave\\_Dash2.svg](http://commons.wikimedia.org/wiki/File:Wave_Dash2.svg#mediaviewer/%E3%83%95%E3%82%A1%E3%82%A4%E3%83%AB:Wave_Dash2.svg)

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[File:Wave\\_Dash.svg#mediaviewer/%E3%83%95%E3%82%A1%E3%82%A4%E3%83%AB:Wave\\_Dash.svg](http://commons.wikimedia.org/wiki/File:Wave_Dash.svg#mediaviewer/%E3%83%95%E3%82%A1%E3%82%A4%E3%83%AB:Wave_Dash.svg)

## Proposal

WAVE\_DASH (U+301C) is defined the character to match JIS C 6226-1978 1-33 "wave dash". However, the sample character layout of U+301C is different from the original character.

Reference of Unicode

301C ~ WAVE DASH

- This character was encoded to match JIS C 6226-1978 1-33 "wave dash". The JIS standards and some industry practice disagree in mapping.
- 3030 ~ wavy dash
- FF5E ~ fullwidth tilde

<http://www.unicode.org/charts/PDF/U3000.pdf>

Reference of JIS C 6226-1978

		b1	0	1	0	1	0	1	0	1	0	1	0
		II	24	25	26	27	28	29	30	31	32	33	34
31	I												
1	1	全	々	ノ	○	—	—	-	/	\	~		
0	2												

[http://en.wikipedia.org/wiki/JIS\\_X\\_0208](http://en.wikipedia.org/wiki/JIS_X_0208)  
<http://kikaku.itscj.ipsj.or.jp/ISO-IR/042.pdf>

We propose to change the sample character layout from the current shape to the original shape.

The fonts used in Windows XP (e.g. MS Mincho and MS Gothic) follow Unicode's sample character layout. However the other platform - e.g. Windows Vista and later, Mac OS X, Linux / Unix, iOS, Android, Chrome OS - already do not follow Unicode's sample character layout, but the original layout.

Since the support of Windows XP has been discontinued, this is a good time to change the sample character layout to the original one.

## References

### The shapes of U+301C

**Fonts used by Mac OS / iOS**

Osaka

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Hiragino (kaku gothic)

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Yu (gothic)

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**Fonts used by Linux / Unix / Android / Chrome OS**

IPA (gothic)

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Motoya (maru gothic)

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Noto / Gen-no-kaku (gothic)

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**Font used by Windows Vista and later**

Meiryo

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