

ISO/IEC JTC1/SC2/WG2  
Coded Character Set  
Secretariat: Japan (JISC)

**Doc. Type:** Disposition of comments

**Title:** Disposition of comments on CDAM2.2 to ISO/IEC 10646 6<sup>th</sup> edition

**Source:** Michel Suignard (project editor)

**Project:** JTC1 02.10646.00.02.00.06

**Status:** For SC2 consideration

**Date:** 2023-06-22

**Distribution:** WG2

**Reference:** SC2 N4855

**Medium:** Paper, PDF file

Comments were received from the following members: UK and USA. The following document is the disposition of those comments.

The disposition introduces new characters to the repertoire:

- 603 urgently needed CJK unified ideographs on a new block U+2EBF0-U+2EE4F: CJK UNIFIED IDEOGRAPHS EXTENSION I
- 1 Kawi character (the block was added in Amendment 1)
- 44 Ol Onal characters on a new block U+1E5D0-U+1E5DF: OL ONAL
- 2 Tulu-Tigalari characters (completing a new block in this amendment)

These new characters are described in the following table which includes all the proposed new ranges with pointers to the relevant documentations:

<i>Name</i>	<i>Ranges</i>	<i>Document(s)</i>
CJK Unified Ideographs	2EBF0-2EE4A	<a href="https://www.unicode.org/wg2/docs/n5214R-23114-cjk-unc-extension.pdf">https://www.unicode.org/wg2/docs/n5214R-23114-cjk-unc-extension.pdf</a>
Kawi	11F5A	<a href="https://www.unicode.org/L2/L2022/22236-kawi-sign-nukta.pdf">https://www.unicode.org/L2/L2022/22236-kawi-sign-nukta.pdf</a>
Ol Onal	1E5D0-1E5FA	<a href="https://www.unicode.org/L2/L2022/22151r-ol-onal-script.pdf">https://www.unicode.org/L2/L2022/22151r-ol-onal-script.pdf</a>
Tulu-Tigalari	113D2 113D3	<a href="https://www.unicode.org/L2/L2022/22260-tulu-tigalari-add.pdf">https://www.unicode.org/L2/L2022/22260-tulu-tigalari-add.pdf</a> and <a href="https://www.unicode.org/L2/L2022/22248-script-adhoc-rept.pdf">https://www.unicode.org/L2/L2022/22248-script-adhoc-rept.pdf</a> (page 9)

It also fixes a character name typo for U+1FBEO from 'OP JUSTIFIED LOWER HALF WHITE CIRCLE' to 'TOP JUSTIFIED LOWER HALF WHITE CIRCLE'. Finally, the code chart for Alchemical Symbols is being revised using a new font (notable changes: U+1F741, U+1F747, U+1F74C, U+1F74F, U+1F756, U+1F758, U+1F763, U+1F768, U+1F76D, and U+1F76E).

(Details in the following pages)

# Template for comments and secretariat observations

Date:2023-05-09	Document ISO/IEC 10646:2020 (Ed.6)/CDAM 2.2	Project: 1.02.10646.00.02.00.06
-----------------	--	------------------------------------

MB/ NC <sup>1</sup>	Line number	Clause/ Subclause	Paragraph/ Figure/Table	Type of comment <sup>2</sup>	Comments	Proposed change	Observations of the secretariat
US-001			CJK	te	In order to represent names required by Chinese central government and deemed urgent by the ChinaNB, we recommend adding 603 new CJK characters from U+2EBF0 to U+2EE4A in a new CJK Unified Ideographs Extension I block spanning U+2EBF0..U+2EE4F as described in L2/23-114.	Add 603 new CJK characters in the range U+2EBF0..U+2EE4A in a new CJK Unified Ideographs Extension I block (U+2EBF0..U+2EE4F).	Accepted
US-002			Kawi	te	The Kawi repertoire is missing a nukta character, needed for the representation of text, as shown in <a href="#">L2/22-236</a> . U+11F5A KAWI SIGN NUKTA should be added.	Add U+11F5A KAWI SIGN NUKTA	Accepted
US-003			OI Onal	te	The OI Onal script, which has been described with evidence in <a href="#">L2/22-151R</a> , should be added. The OI Onal block extends from U+1E5D0 to U+1E5FF and the 44 proposed characters that extend from U+1E5D0 to U+1E5FF.	Add 44 OI Onal characters in a new OI Onal block that extends from U+1E5D0 to U+1E5FF.	Accepted
US-004	(page 299)	Alchemical Symbols	te		The current font for Alchemical Symbols is not consistent. The glyph shapes for U+1F774 LOT OF FORTUNE, the eclipse symbols (U+1F775..U+1F776) and the dwarf planet symbols (U+1F77B..U+1F77F) vary from the other characters in the block. In addition, further research, as documented in <a href="#">L2/23-069R</a> , has revealed that some of the symbols should be revised. We request the new font be used in the Alchemical Symbols block	Change the Alchemical Symbols font	Accepted
US-005	(page 84)	Tulu-Tigalari	te		Two Tulu-Tigalari characters are needed to represent texts in manuscripts, as shown in <a href="#">L2/22-260</a> . The following two characters were not included in the original repertoire, but should be added: U+113D2 TULU-TIGALARI GEMINATION MARK and U+113D3 TULU-TIGALARI SIGN PLUTA.	Add U+113D2 TULU-TIGALARI GEMINATION MARK U+113D3 TULU-TIGALARI SIGN PLUTA	Accepted
GB-006	34.5			ed	The code chart for A798 includes a cross-reference to 0191 Latin Capital Letter F with Hook, but the new glyph for A798 is not confusable with	Remove the cross-reference to 0191 from the note for A798.	Not accepted, may still be useful as the glyph change is new and while the new form

1 **MB** = Member body / **NC** = National Committee (enter the ISO 3166 two-letter country code, e.g. CN for China; comments from the ISO/CS editing unit are identified by \*\*)  
2 **Type of comment:** **ge** = general **te** = technical **ed** = editorial

Template for comments and secretariat observations

Date:2023-05-09	Document ISO/IEC 10646:2020 (Ed.6)/CDAM 2.2	Project: 1.02.10646.00.02.00.06
-----------------	---	---------------------------------

MB/ NC <sup>1</sup>	Line number	Clause/ Subclause	Paragraph/ Figure/Table	Type of comment <sup>2</sup>	Comments	Proposed change	Observations of the secretariat
					0191, so the cross-reference is redundant.		is preferred, the previous alternate glyph also exists.
GB-007		34.5		ed	The code chart note for 31EF is “used to describe a character with a stroke removed”, but actually it can be used to describe the removal of a stroke of a component.	Change note for 31EF to “used to describe a character with a stroke or component removed”.	Accepted in principle with following text: “used to describe a character or a component with a component removed.”
GB-008		34.5		te	The set of Eastern Pwo Karen digits are placed at 116DA..116E3. However, all existing script-specific contiguous sets of ten digits either fill the XXXX0..XXXX9 or XXXX6..XXXXF ranges of code points, and do not go over the boundary of a row of 16 code points. It is possible that some implementations rely on this behaviour for calculating numeric values of digits, so it would be prudent to move the Eastern Pwo Karen digits to 116E0..116E9.	Move the Eastern Pwo Karen digits from 116DA..116E3 to 116E0..116E9.	Not accepted, note that another set of digits for Khamti may be proposed in the future (according to L2/22-046).
GB-009		34.5		te	The name for 1FBE0 is incorrectly given as “OP JUSTIFIED LOWER HALF WHITE CIRCLE”	Change name for 1FBE0 in code chart and the names list to “TOP JUSTIFIED LOWER HALF WHITE CIRCLE”.	Accepted, was a typo
GB-010		34.5		te	The code chart gives the following names for the five new IDC characters: 2FFC IDEOGRAPHIC DESCRIPTION CHARACTER SURROUND FROM RIGHT 2FFD IDEOGRAPHIC DESCRIPTION CHARACTER SURROUND FROM LOWER RIGHT 2FFE IDEOGRAPHIC DESCRIPTION CHARACTER HORIZONTAL REFLECTION 2FFF IDEOGRAPHIC DESCRIPTION CHARACTER ROTATION 31EF IDEOGRAPHIC DESCRIPTION CHARACTER SUBTRACTION Am2names.txt gives different names for two of	Change the names for 2FFF and 31EF in the names list to the corresponding names shown in the code chart, which are also the names given for Unicode 15.1.	Accepted, these were typos in the names list

1 **MB** = Member body / **NC** = National Committee (enter the ISO 3166 two-letter country code, e.g. CN for China; comments from the ISO/CS editing unit are identified by \*\*)  
 2 **Type of comment:** **ge** = general **te** = technical **ed** = editorial

**Template for comments and secretariat observations**

Date:2023-05-09	Document ISO/IEC 10646:2020 (Ed.6)/CDAM 2.2	Project: 1.02.10646.00.02.00.06
-----------------	--	------------------------------------

MB/ NC <sup>1</sup>	Line number	Clause/ Subclause	Paragraph/ Figure/Table	Type of comment <sup>2</sup>	Comments	Proposed change	Observations of the secretariat
					these five characters: 2FFF IDEOGRAPHIC DESCRIPTION CHARACTER HALF-TURN ROTATION 31EF IDEOGRAPHIC DESCRIPTION CHARACTER COMPONENT SUBTRACTION		

1 **MB** = Member body / **NC** = National Committee (enter the ISO 3166 two-letter country code, e.g. CN for China; comments from the ISO/CS editing unit are identified by \*\*)  
 2 **Type of comment:**    **ge** = general    **te** = technical    **ed** = editorial