

ISO/IEC JTC1/WG2 N5279R

Title: Proposal to start new program of work for the development of a seventh edition to ISO 10646

Status: Circulated for information

Source WG2 Convenor (Michel Suignard)

Actions For consideration by SC2, WG2 and IRG

Date: 2024-06-13

The WG2 convenor proposes to start a new program of work for the development of a seventh edition to ISO 10646. The new edition will incorporate the two existing amendments to the 6th edition of 10646 and will also add additional repertoire as specified below. It is expected that the 7th edition will be synchronized with a version of the Unicode Standard, probably Unicode version 18.0.

A starting repertoire is documented in WG2 N5249R and consists of the parts documented in yellow highlight. The following list includes that repertoire augmented with the proposed CJK Unified Ideographs Extension J corresponding to the IRG Working Set 2021 created by the Ideographic Research Group (IRG). It is important to note that this is just a starting repertoire and will be adjusted following additional work by WG2 experts.

Block name	Range	Code points	Document number
Arabic Extended-B	0870-089F	088F	L2/24-046
Bengali	0980-09FF	09FF	L2/22-268R
Oriya	0B00-0B7F	0B53-0B54	L2/24-106R
Telugu	0C00-0C7F	0C5C	L2/22-006
Kannada	0C80-0CFF	0CDC	L2/21-006
Mongolian	1800-18AF	1879	L2/24-025
Combining Diacritical Marks Extended	1AB0-1AFF	1ACF-1ADD	L2/24-105 L2/23-188 L2/23-208 L2/23-206R
Miscellaneous Symbols and Arrows	2B00-2BFF	2B96	L2/24-018
Latin Extended-D	A720-A7FF	A7CE-A7CF A7D2 A7D4 A7F1	N5225 L2/24-081 L2/23-219
Arabic Presentation Forms-A	FB50-FDFF	FBC3-FBD2 FD90-FD91 FDC8-FDCE	L2/24-002 L2/24-077
Sidetic	10940-1095F	10940-1095C	L2/23-019
Arabic Extended-C	10EC0-10EFF	10EC5-10EC7 10ED0-10ED8 10EFA-10EFB	L2/22-281R L2/23-103 L2/23-121 L2/23-248 L2/24-055 L2/24-077
Sharada Supplement	11B60-11B7F	11B60-11B67	L2/23-122

Block name	Range	Code points	Document number
Tolong Siki	11DB0-11DEF	11DB0-11DDB 11DE0-11DE9	L2/23-024
Chisoi	16D80-16DAF	16D80-16D9D 16DA0-16DA9	L2/22-218R3
Beria Erfe	16EAO-16EDF	16EAO-16EB8 16EBB-16ED3	L2/24-004R
Ideographic Symbols and Punctuation	16FE0-16FFF	16FF2-16FF6	L2/23-284 L2/24-071R3
Tangut	17000-187FF	187F8-187FF	L2/23-246
Tangut Supplement	18D00-18D7F	18D09-18D1C	L2/23-246
Tangut Components Supplement	18D80-18DFF	18D80-18DF2	L2/23-246 L2/23-247
Symbols for Legacy Computing supplement	1CC00-1CEBF	1CCFA-1CCFC 1CEBA-1CEBF	L2/23-252
Miscellaneous Symbols Supplement	1CEC0-1CEFF	1CEC0-1CED0 1CEE0-1CEF0	L2/23-207 L2/23-218 L2/23-193R2
Tai Yo	1E6C0-1E6FF	1E6C0-1E6DE 1E6E0-1E6F5 1E6FE-1E6FF	L2/22-289R
Alchemical Symbols	1F700-1F7FF	1F777-1F77A	L2/23-207
Supplemental Arrows-C	1F800-1F8FF	1F8D0-1F8D8	WG2 L2/23-193R2
Chess Symbols	1FA00-1FA6F	1FA54-1FA57	L2/24-020
Symbols for Legacy Computing	1FB00-1FBFF	1FBFA	L2/23-252
CJK UNIFIED IDEOGRAPHHS EXTENSION J	323B0-3347F	323B0-3347B	WG2 N5257

Therefore the recommendation below should be adopted by WG2 and endorsed as a resolution by SC2.

Modification to the SC 2 program of work.

Addition of a project for the 7th edition of ISO/IEC 10646 (Ed.7)

Title	ISO/IEC 10646, Information technology -- Universal Coded Character Set (UCS) – 7 th Edition
Project scope	ISO/IEC 10646 specifies the Universal Coded Character Set (UCS). It is applicable to the representation, transmission, interchange, processing, storage, input, and presentation of the written form of the languages of the world as well as of additional symbols.
Rationale	This new edition will incorporate Amendment 1 and 2 made to the 6 th Edition of 10646 and add new characters. The scope will not be expanded from its original one.
Timeframe	36 months
Target dates	CD: 2024-08-01, DIS 2026-07-01, FDIS 2027-02-01, IS 2027-07-01
Project editor	Mr. Michel Suignard

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