

FINAL
DRAFT

AMENDMENT

ISO/IEC
10646:2020
FDAM 1

ISO/IEC JTC 1/SC 2

Secretariat: JISC

Voting begins on:
2023-03-03

Voting terminates on:
2023-04-28

Information technology — Universal coded character set (UCS)

AMENDMENT 1: CJK Unified Ideographs
Extension H, Vithkuqi, Old Uyghur, Cypro-
Minoan, and other characters

iTeh STANDARD PREVIEW
(standards.iteh.ai)

[ISO/IEC 10646:2020/FDAmD 1](https://standards.iteh.ai/catalog/standards/sist/febc8d5d-b886-4d51-8bf5-5c03b75f470f/iso-iec-10646-2020-fdamd-1)

<https://standards.iteh.ai/catalog/standards/sist/febc8d5d-b886-4d51-8bf5-5c03b75f470f/iso-iec-10646-2020-fdamd-1>

RECIPIENTS OF THIS DRAFT ARE INVITED TO SUBMIT, WITH THEIR COMMENTS, NOTIFICATION OF ANY RELEVANT PATENT RIGHTS OF WHICH THEY ARE AWARE AND TO PROVIDE SUPPORTING DOCUMENTATION.

IN ADDITION TO THEIR EVALUATION AS BEING ACCEPTABLE FOR INDUSTRIAL, TECHNOLOGICAL, COMMERCIAL AND USER PURPOSES, DRAFT INTERNATIONAL STANDARDS MAY ON OCCASION HAVE TO BE CONSIDERED IN THE LIGHT OF THEIR POTENTIAL TO BECOME STANDARDS TO WHICH REFERENCE MAY BE MADE IN NATIONAL REGULATIONS.



Reference number
ISO/IEC 10646:2020/FDAM 1:2023(E)

© ISO/IEC 2023

iTeh STANDARD PREVIEW (standards.iteh.ai)

[ISO/IEC 10646:2020/FDAmd 1](https://standards.iteh.ai/catalog/standards/sist/febc8d5d-b886-4d51-8bf5-5c03b75f470f/iso-iec-10646-2020-fdamd-1)

<https://standards.iteh.ai/catalog/standards/sist/febc8d5d-b886-4d51-8bf5-5c03b75f470f/iso-iec-10646-2020-fdamd-1>



COPYRIGHT PROTECTED DOCUMENT

© ISO/IEC 2023

All rights reserved. Unless otherwise specified, or required in the context of its implementation, no part of this publication may be reproduced or utilized otherwise in any form or by any means, electronic or mechanical, including photocopying, or posting on the internet or an intranet, without prior written permission. Permission can be requested from either ISO at the address below or ISO's member body in the country of the requester.

ISO copyright office
CP 401 • Ch. de Blandonnet 8
CH-1214 Vernier, Geneva
Phone: +41 22 749 01 11
Email: copyright@iso.org
Website: www.iso.org

Published in Switzerland

Foreword

ISO (the International Organization for Standardization) and IEC (the International Electrotechnical Commission) form the specialized system for worldwide standardization. National bodies that are members of ISO or IEC participate in the development of International Standards through technical committees established by the respective organization to deal with particular fields of technical activity. ISO and IEC technical committees collaborate in fields of mutual interest. Other international organizations, governmental and non-governmental, in liaison with ISO and IEC, also take part in the work.

The procedures used to develop this document and those intended for its further maintenance are described in the ISO/IEC Directives, Part 1. In particular, the different approval criteria needed for the different types of document should be noted. This document was drafted in accordance with the editorial rules of the ISO/IEC Directives, Part 2 (see www.iso.org/directives or www.iec.ch/members_experts/refdocs).

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. ISO and IEC shall not be held responsible for identifying any or all such patent rights. Details of any patent rights identified during the development of the document will be in the Introduction and/or on the ISO list of patent declarations received (see www.iso.org/patents) or the IEC list of patent declarations received (see <https://patents.iec.ch>).

Any trade name used in this document is information given for the convenience of users and does not constitute an endorsement.

For an explanation of the voluntary nature of standards, the meaning of ISO specific terms and expressions related to conformity assessment, as well as information about ISO's adherence to the World Trade Organization (WTO) principles in the Technical Barriers to Trade (TBT) see www.iso.org/iso/foreword.html. In the IEC, see www.iec.ch/understanding-standards.

[https://standards.iteh.ai/catalog/standards/sist/febc8d5d-b886-4d51-8bf5-5c03b75f470f/iso-](https://standards.iteh.ai/catalog/standards/sist/febc8d5d-b886-4d51-8bf5-5c03b75f470f/iso-10646-2020-amd-1)
This document was prepared by Joint Technical Committee ISO/IEC JTC 1, *Information technology*, Subcommittee SC 2, *Coded character sets*.

A list of all parts in the ISO/IEC 10646 series can be found on the ISO and IEC websites.

Any feedback or questions on this document should be directed to the user's national standards body. A complete listing of these bodies can be found at www.iso.org/members.html and www.iec.ch/national-committees.

iTeh STANDARD PREVIEW
(standards.iteh.ai)

[ISO/IEC 10646:2020/FDAmd 1](https://standards.iteh.ai/catalog/standards/sist/febc8d5d-b886-4d51-8bf5-5c03b75f470f/iso-iec-10646-2020-fdamd-1)

<https://standards.iteh.ai/catalog/standards/sist/febc8d5d-b886-4d51-8bf5-5c03b75f470f/iso-iec-10646-2020-fdamd-1>

Information technology — Universal Coded Character Set (UCS) —

AMENDMENT 1: CJK Unified Ideographs Extension H, Vithkuqi, Old Uyghur, Cypro-Minoan, and other characters

Clause 2 Normative references

Update the following references:

Unicode Standard Annex, UAX #9, *The Unicode Bidirectional Algorithm*:

<https://www.unicode.org/reports/tr9/tr9-46.html>

Unicode Standard Annex, UAX #15, *Unicode Normalization Forms*:

<https://www.unicode.org/reports/tr15/tr15-53.html>

Unicode Technical Standard, UTS #37, *Ideographic Variation Database*:

<http://www.unicode.org/reports/tr37/tr37-12.html>

Unicode Standard Version 15.0, *Chapter 4, Character Properties*

<https://www.unicode.org/versions/Unicode15.0.0/ch04.pdf>

Section 4.3, Combining Classes – Normative

Section 4.5, General Category – Normative

Section 4.7, Bidi Mirrored – Normative

Unicode Standard Version 15.0, *Age Property*:

<https://www.unicode.org/Public/15.0.0/ucd/DerivedAge.txt>

Insert the new reference:

Unicode Standard Version 15.0, *Character Name Aliases*:

<https://www.unicode.org/Public/15.0.0/ucd/NameAliases.txt>

7.4 Naming of characters

In the paragraph after list item g), replace the sentence as follows:

Some characters may have one or more alternate names, called character name aliases. See 7.5.

Introduce a new sub-clause 7.5 with a new Table 2, renumbering the following tables and sub-clauses as appropriate.

7.5 Character name aliases

This document has a mechanism for the publication of additional, normative formal aliases for characters. These formal aliases are known as character name aliases. They function essentially as auxiliary names for a character. Their main usage is to provide correction for known mistakes in character names, but they have other usages such as providing string identifiers for control functions. Character name aliases are listed in the file `NameAliases.txt` (see Clause 2). That file also documents the 'type' field which distinguishes among different kinds of character name aliases, as shown in Table 2.

Table 2: Types of character name aliases

Type	Description
correction	Corrections for mistakes in the character names which cannot be fixed after publication of the standard
control	ISO/IEC 6429 names for C0 and C1 control functions, and other commonly occurring names for these control functions
alternate	Widely used alternate names for format characters
figment	Several documented labels for C1 control code points which were never actually approved in any standard
abbreviation	Commonly occurring abbreviations or acronyms for control functions, format characters, spaces and variation selectors

Character name aliases follow the same rules as character names. See Clause 27.

8 Revision and updating of the UCS

Remove the NOTE which is superseded by sub-clause 7.5.

11 UCS Encoding schemes

11.5 UTF-16

Replace the third paragraph as follows:

In the absence of signature or a higher-level protocol, the octet order of the UTF-16 encoding scheme is that the more significant octet precedes the less significant octet.

12 Use of control functions with the UCS

Replace NOTE 3 with the following text and note:

Control functions have associated string identifiers specified by the 'control' type in the file Name-sAliases.txt (see Clause 2). Many of these control functions have multiple identifiers based on various environments.

NOTE 3: For example, the control characters 000E and 000F are named SHIFT-OUT and SHIFT-IN respectively in a 7-bit environment and LOCKING-SHIFT ONE and LOCKING-SHIFT ZERO respectively in an 8-bit environment.

17.6 Variation selector and variation sequences

17.6.1 General

In the second paragraph, replace 'three Mongolian Free Variation Selectors (FVS1 to FVS3)' by 'four Mongolian Free Variation Selectors (FVS1 to FVS4)'.

17.6.2 Standardized variations sequences

In the list item describing Mathematical symbols, remove the note and add the following sentence after 'Mathematical symbol':

Some variation sequences are used to describe a graphic variant while others are used to describe style variant such as Chancery style versus roundhand style.

Add a new list item after CJK Unified Ideographs:

- Egyptian hieroglyphs. Each of these variation sequences correspond to a rotated Egyptian hieroglyph (90, 180, and 270 degrees).

In the first paragraph, update the link with following:

<https://standards.iso.org/iso-iec/10646/ed-6/en/amd/1/UCSVariants.txt>

24.1 List of source references (for CJK ideographs)

In the list of Hanzi G sources, update the following entries as follows:

GHC	HanYu Dacidian (汉语大词典), 1986 年, 上海辞书出版社, 9187.11 / 1988-1993 年, 汉语大词典出版社 (found in 1988), ISBN 7-5432-0001-5/H.2
GKJ	China National Committee for Terms in Sciences and Technologies (CNCTST), names of geology, botanical and zoology terms, WG2 N5072, Chinese medicine characters, IRG N2228.

In the list of Hanzi G sources, insert the following entries:

GDM	Place name characters from the Public Order Administration, Ministry of Public Security, People's Republic of China
GXM	Human-name characters. Source from Public Order Administration, The Ministry of Public Security of the People's Republic of China
GZA-1	A Vibrant and Unbroken Transmission - Filial Piety and Zhuang Funeral Songs 生生不息的传承·孝与壮族行孝歌之研究, 2010 年北京民族出版社, ISBN 978-7-1051-0648-6
GZA-2	Annotated Long Zhuang Morality Songs 壮族伦理道德长诗传扬歌译注, 2005 年广西民族出版社, ISBN 7-5363-4922-X
GZA-3	Compendium of Old Zhuang Folksong Texts - Wooing Songs vol. 1 - Liao Songs 壮族民歌古籍集成·情歌 (一) 嘹歌, 1993 广西民族出版社, ISBN 7-5363-2714-5
GZA-4	Compendium of Old Zhuang Folksong Texts - Wooing Songs vol. 2 - Fwen Nganx 壮族民歌古籍集成·情歌 (二) 欢楫, 1997 年南宁广西民族出版社, ISBN 7-5363-3298-X
GZA-5	Zhuang Character Database - Internet Collection 方块壮字资料库·网络集 2011 年广西大学, 桂 ICP 备 05000940 号
GZA-6	Zhuang Proverbs from China 中国壮族谚语 2015 广州世界图书出版广东有限公司, ISBN 978-7-192-0492-1
GZA-7	Ancient Remembrance - Zhuang Creation Myth Songs 远古的追忆·壮族创世神话古歌研究, 2012 年北京民族出版社, ISBN 978-7-1051-2242-4

In the list of Hanzi M sources, remove the existing MAC entry and replace by following:

MA	Same as Hong Kong Supplementary Character Set -2008
MB1	Big-5, level 1
MB2	Big-5, level 2
MC	Macao Supplementary Character Set (MSCS) - 2020
MD, MDH	MSCS -2020, horizontal extension

In the list of ChuNom V sources, update the V4 entry and add a new VN entry:

V4	Kho Chũr Hán Nôm Mã Hoá (Hán Nôm Coded Character Repertoire), Hà Nội, 2007
VN	Vietnamese Nôm characters not defined by V0 to V4 sources, major sources are: Nguyễn Quang Hồng. "Tự Điển Chũr Nôm Dẫn Giải". Hà Nội, 2014, and Anthony Trần Văn Kiệm "Giúp đọc Nôm và Hán Việt", Đà Nẵng, 2004

24.2 Source reference file for CJK ideographs

In the first paragraph, update the link with following:

<https://standards.iso.org/iso-iec/10646/ed-6/en/amd/1/CJKSrc.txt>

In Table 5, replace the existing value for kIRG_Msource and add the format definitions to the existing G sources and V sources according to the list of third field format per the following table:

Tag Value	Third field format
kIRG_Gsource	GDM-ddddd GXM-ddddd GZA-1dddd GZA-2dddd GZA-3dddd GZA-4dddd GZA-6dddd GZA-7dddd
kIRG_Msource	MA-hhhh MB1-hhhh MB2-hhhh MC-ddddd MD-hhhh MD-hhhh MDH-hhhh
kIRG_VSource	VN-hhhh

24.3 Source reference presentation for CJK UNIFIED IDEOGRAPHS block

24.3.1 General

Replace the first sentence of second paragraph as follows:

The graphic representation for the radical is shown immediately below the code point, along with the radical number, optionally followed by an apostrophe for simplified radicals, and the stroke count.

In last sentence of last paragraph, replace 'G, T, J, K, KP, V, H, M, and U' with 'G, T, J, K, KP, V, H, M, U, UK, and S'.

24.3.2 Source reference presentation for CJK UNIFIED IDEOGRAPHS

Replace the two first paragraphs with the following:

For the presentation of the CJK UNIFIED IDEOGRAPH block, the graphic representations for the Hanzi G, H, and T sources, the Kanji J source, the Hanja K source, and the ChuNom V source are shown in that order when present in a first row. That row is not shown if none of these sources are specified for that code point. An optional second row may be displayed to show the Hanzi M source, the Unicode U sources, the UK UK source, and the SAT S source. Because at least one of these ten sources (G, H, T, J, K, V, M, U, UK, and S) exists for any code point in that block, there is always one row visible for each code point in that block. The KP source glyphs are not show for that block for lack of suitable font.

Figure 2 shows an example for characters 4E00-4E09 and 4E14-4E1C.

HEX	C	J	K	V	HEX	C	J	K	V			
4E00 — 1.0	一	一	一	一	一	且	且	且	且			
	G0-523B	HB1-A440	T1-4421	J0-306C	K0-6C69	V1-4A21	G0-4752	HB1-A542	T1-4562	J0-336E	K0-7326	V1-4A2D
4E01 — 1.1	丁	丁	丁	丁	丁	丕	丕	丕	丕			
	G0-3621	HB1-A442	T1-4423	J0-437A	K0-6F4B	V1-4A22	G0-5827	HB1-A541	T1-4561	J0-5023	K0-5D60	V1-4A2E
4E02 — 1.1	丂	丂	丂	丂	丂	世	世	世	世			
	G5-3021	T4-2126	J14-2122	G0-4A40	HB1-A540	T1-4560	J0-4024	K0-6126	V1-4A2F			
4E03 — 1.1	七	七	七	七	七	卅	卅	卅	卅			
	G0-465F	HB1-A443	T1-4424	J0-3C37	K0-7652	V1-4A23	GE-3024	T4-2155	J0-5242			
4E04 — 1.1	丄	丄	丄	丄	卅	卅	卅	卅	卅			
	GE-3021	H-9EB3	T3-2126	J1-3022	MD-4E17	MD-4E17	MD-4E17	MD-4E17	MD-4E17			
4E05 — 1.1	丅	丅	丅	丅	丘	丘	丘	丘	丘			
	GE-3022	T3-2125	J1-3023	G0-4770	HB1-A543	T1-4563	J0-3556	K0-4E78	V1-4A30			
4E06 — 1.1	丆	丆	丆	丆	丙	丙	丙	丙	丙			
	GK-6837	K2-2121	G0-317B	HB1-A4FE	T1-455F	J0-4A3A	K0-5C30	V1-4A31				
4E07 — 1.2	万	万	万	万	万	业	业	业	业			
	G0-4D72	HB2-C945	T2-2126	J0-4B7C	K0-5832	V1-4A24	G0-5235	H-9EB2				
4E08 — 1.2	丈	丈	丈	丈	丈	丛	丛	丛	丛			
	G0-5549	HB1-A456	T1-4437	J0-3E66	K0-6D5B	V1-4A25	G0-3454					
4E09 — 1.2	三	三	三	三	三	东	东	东	东			
	G0-487D	HB1-A454	T1-4435	J0-3B30	K0-5F32	V1-4A26	G0-362B	H-9DD6				

24.3.4 Source reference presentation for CJK UNIFIED IDEOGRAPHS EXTENSION B

Remove the sub-clause 24.3.4 and update all of the following sub-clause numbers accordingly.

24.3.5 Source reference presentation for CJK UNIFIED IDEOGRAPHS EXTENSION C, D, E, F, and G

Rename the sub-clause (now 24.3.4) as 'Source reference presentation for CJK UNIFIED IDEOGRAPHS EXTENSION B, C, D, E, F, G, and H'.

Replace the first paragraph with the following:

For the presentation of the CJK UNIFIED IDEOGRAPH EXTENSION B, C, D, E, F, G, and H blocks, up to two sources per characters are represented in a single row. If more than two sources exist, additional rows are used.

Update the Figure 5 title with following:

Figure 5 – Chart presentation for CJK UNIFIED IDEOGRAPHS EXTENSION B, C, D, E, F, G, and H

25.3 Source Reference presentation for Tanguts ideographs

Replace 'Tanguts' by 'Tangut' in the subclause heading.

26.2 Source Reference file for Nüshu characters

In the first paragraph, update the source reference file to the following:

<https://standards.iso.org/iso-iec/10646/ed-6/en/amd/1/NushuSrc.txt>

28 Named UCS Sequence Identifier

In the third paragraph, update the list of named UCS sequences file to the following:

<https://standards.iso.org/iso-iec/10646/ed-6/en/amd/1/NUSI.txt>

34.5 Code charts and lists of character names

Insert the additional character glyphs and names at the indicated positions in the blocks given below.

Plane 00

Arabic
 Arabic Extended-A
 Telugu
 Kannada
 Lao
 Tagalog
 Mongolian
 Combining Diacritical Marks Extended
 Balinese
 Combining Diacritical Marks Supplement
 Currency Symbols
 Glagolitic
 Supplemental Punctuation
 CJK Unified Ideographs
 Latin Extended-D
 Arabic Presentation Forms-A

Plane 01

Brahmi
 Kaithi
 Khojki
 Takri
 Ahom
 Egyptian Hieroglyphs
 Egyptian Hieroglyph Format Controls
 Kana Extended-A
 Small Kana Extension
 Musical Symbols
 Transport and Maps Symbols
 Alchemical Symbols
 Geometric Shapes Extended
 Supplemental Symbols and Pictographs
 Symbols and Pictographs Extended A
 CJK Unified Ideographs Extension B
 CJK Unified Ideographs Extension C

These blocks contain new characters and names at the following code positions:

061D 08B5 08C8-08D2 0C3C 0C5D 0CDD 0CF3 0ECE 170D 1715 171F 180F 1AC1-1ACE 1B4C 1B7D-1B7E 1DFA 20C0 2C2F 2C5F 2E53-2E5D 9FFD-9FFF A7C0-A7C1 A7D0-A7D1 A7D3 A7D5-A7D9 A7F2-A7F4 FBC2 FD40-FD4F FDCF FDFE-FDFF 11070-11075 110C2 1123F-11241 116B9 11740-11746

1342F 13439-13455 1B11F-1B122 1B132 1B155 1D1E9-1D1EA 1F6DC-1F6DF 1F774-1F776 1F77B-1F77F 1F7D9 1F7F0 1F979 1F9CC 1FA75-1FA77 1FA7B-1FA7C 1FA87-1FA88 1FAA9-1FAAF 1FAB7-1FABD 1FABF 1FAC3-1FAC5 1FACE-1FACF 1FAD7-1FADB 1FAE0-1FAE8 1FAF0-1FAF8 2A6DE-2A6DF 2B735-2B739

Insert the following additional blocks.

Plane 00

Arabic Extended-B

Plane 01

Vithkuqi

Latin Extended-F

Arabic Extended-C

Old Uyghur

Unified Canadian Aboriginal Syllabics Extended -A

Devanagari Extended-A

Kawi

Cypro-Minoan

Tangsa

Kana Extended-B

Znamenny Musical Notation

Kaktovik Numerals

Latin Extended-G

Cyrillic Extended-D

Toto

Nag Mundari

Ethiopic Extended-B

CJK Unified Ideographs Extension H

These blocks add new characters and names at the following code positions:

0870-088E 0890-0891 0898-089F 10570-1057A 1057C-1058A 1058C-10592 10594-10595 10597-105A1 105A3-105B1 105B3-105B9 105BB-105BC 10780-10785 10787-107B0 107B2-107BA 10EFD-10EFF 10F70-10F89 11AB0-11ABF 11B00-11B09 11F00-11F10 11F12-11F3A 11F3E-11F59 12F90-12FF2 16A70-16ABE 16AC0-16AC9 1AFF0-1AFF3 1AFF5-1AFFB 1AFFD-1AFFE 1CF00-1CF2D 1CF30-1CF46 1CF50-1CFC3 1D2C0-1D2D3 1DF00-1DF1E 1DF25-1DF2A 1E030-1E06D 1E08F 1E290-1E2AE 1E4D0-1E4F9 1E7E0-1E7E6 1E7E8-1E7EB 1E7ED-1E7EE 1E7F0-1E7FE 31350-323AF

These following code positions have updated glyphs in the code charts and in the list of character names:

0184-0185 025E 029A 0616 0674-0678 06C5 06C7 06FE 144B 14D1 1506 15C0-15C3 15E8-15EE 1601 1604-1607 160A-160D 1614-162D 1630-163F 1646 1647 165A 18DB 18EC 18F1 18F2 18F5 1BBF 210B 2110 2112 211B 212C 2130-2131 2133 2447 2460-24FF 2776-2793 3001-3029 3030-303D 303F 31C0-31E3 31F0-31FF 3200-321E 3220-32FF 3300-33FF 34DC 3777 3B3F 3BF6 3C43 48B4 4DBE 585F 5AB4 5DD5 5F50 652C 6AC0 6BC0 741F 74A4 74B8 7807 7A66 7BC9 833E 93AB A66E F936 FA70-FA76 FA78-FA95 FA97-FA98 FA9A-FAD9 FBD7-FBD8 FBDD FBEO-FBE1 FBF0-FBF1 FD44 FDCF FE10-FE19 FE30-FE4F FE50-FE52 FE54-FE66 FE68-FE6B FF01-FF9F FFA1-FFBE FFC2-FFC7 FFCA-FFCF FFD2-FFD7 FFDA-FFDC FFE0-FFE6 FFE8-FFEE 10C47 1300A 13017 1302D 13032 13034-13035 13037-13038 1303A-1303E 1304E-1304F 13055 13057 13068 1306F 13091-13093 1309A 130A9 130D2 130D5 130E8 130F6 130FE 1310F 13117 1311C 13121 13127 13139 13183 13187 13192 131A0 131B1 131B8-131BA 131CB 131EE 131F8-131FA 13216 13229 13247 13257 1325F 13267 1326A 1327B 1327F 13281 13285 1328C 13297 1329E 132A4 132AA 132B4 132C1 132CB 132DC 132E6-132E7 132E9 132F8 132FD 13302-13304 13307-13308 13310-13314 1331B-1331C 1331F 13321-13322 13331 1333B-1333C 1334A 13361 13373 13377-1337B 1337D-1337E 13385 13399-1339A 133AF-133B0 133BF 133D3 133DD 133F2-133F3 133F5 133F6 133FA-13403 1340D 13416-13417 13419-1341A 13423 1342B-1342C 1342E 18CCA 1D49C 1D49E-1D49F 1D4A2 1D4A5-1D4A6 1D4A9-1D4AC 1D4AE-1D4B5 1E2C0-1E2F9 1E2FF 1F100-1F1AD 1F1E6-1F1FF 1F200-1F202 1F210-1F23B 1F240-1F248 1F250-1F251 1F260-1F265 1F930 20048 20A1C 2143F

21A5F 21C08 21FBA 22ACF 22ADC 230F2 23392 238A7 23D8F 23F4E 25B27 25D20 26E30 26F28
 27BF8 27C4F 28633 28B02 28E9A 29760 2A60F 2A84E 2AF4F 2B15C 2B249 2BB37 2BD7D 2C151
 2C1E0 2C2D6 2C5CA 2C810 2CD34 2CF4E 2D25D 2D3EC 2D6A7 2D7BA 2D979 2DA74 2DA97 2DC13
 2DDC0 2DF10 2DF78 2E05A 2E0AE 2E516 2E640 2E680 2EA63 2F804-2F805 2F833 2F835 2F84C
 2F84F 2F852 2F855 2F887 2F88B 2F899 2F8A0 2F8A6-2F8A7 2F8AD 2F8B1 2F8B4 2F8B7 2F8BA
 2F8D0 2F8E0-2F8E2 2F8E5-2F8E6 2F8FE 2F900-2F901 2F907 2F912 2F922 2F926 2F936 2F938
 2F94E 2F959 2F95F 2F96C 2F99F 2F9B8 2F9BA 2F9D3 2F9DB-2F9DC 2F9E8 2F9EA 2F9EE 2FA00
 2FA0D 2FA1B 302FC 30723 30759 30A6D 30CF7 30DBF 31006 3105D

A.1

In the list of collection numbers and names, make the following collection fixed by adding a '*' at end of line:

14 BASIC ARABIC *
 60 CJK UNIFIED IDEOGRAPHS *
 117 COMBINING DIACRITICAL MARKS SUPPLEMENT *
 118 GLAGOLITIC *
 160 ARABIC EXTENDED-A *
 1101 SUPPLEMENTAL SYMBOLS AND PICTOGRAPHS *
 2001 CJK UNIFIED IDEOGRAPHS EXTENSION-B *

In the list of collection numbers and names, after

169 GEORGIAN EXTENDED

insert the new entry as follows:

170 ARABIC EXTENDED-B 0870-089F

In the list of collection numbers and names, modify the range of collection 1123 as follows:

1123 EGYPTIAN HIEROGLYPHS FORMAT
 CONTROL 13430-1345F

In the list of collection numbers and names, after

1134 TANGUT SUPPLEMENT

insert the new entries as follows:

1135 VITHKUQI	10570-105BF
1136 LATIN EXTENDED-F	10780-107BF
1137 ARABIC EXTENDED-C	10EC0-10EFF
1138 OLD UYGHUR	10F70-10FAF
1139 UNIFIED CANADIAN ABORIGINAL SYLLABICS EXTENDED-A	11AB0-11ABF *
1140 DEVANAGARI EXTENDED-A	11B00-11B5F
1141 KAWI	11F00-11F5F
1142 CYPRO-MINOAN	12F90-12FFF
1143 TANGSA	16A70-16ACF
1144 KANA EXTENDED-B	1AFF0-1AFFF
1145 ZNAMENNY MUSICAL NOTATION	1CF00-1CFCF
1146 KAKTOVIK NUMERALS	1D2C0-1D2DF
1147 LATIN EXTENDED-G	1DF00-1DFFF
1148 CYRILLIC EXTENDED-D	1E030-1E08F
1149 TOTO	1E290-1E2BF
1150 NAG MUNDARI	1E4D0-1E4FF
1151 ETHIOPIC EXTENDED-B	1E7E0-1E7FF

In the list of collection numbers and names, after
2007 CJK UNIFIED IDEOGRAPHS EXTENSION G

insert the new entry as follows:

2008 CJK UNIFIED IDEOGRAPHS EXTENSION H 31350-323AF

In the list of collection numbers and names, after
321 UNICODE 13.0

insert the new entries as follows:

322	UNICODE 14.0	see A.6 *
323	UNICODE 15.0	see A.6 *

In the list of collection numbers and names, after
392 CJK UNIFIED IDEOGRAPHS-2020

insert the new entry as follows:

393	CJK UNIFIED IDEOGRAPHS-2022	Collections 392 2008 *
		9FFD-9FFF 2A6DE-2A6DF 2B735-2B738

A.1, NOTE 3

In the alphabetical list of keywords in NOTE 3, add the values 170 and 1137 to Arabic entry, the values 319-323 to Unicode, the values 1136 and 1147 to the Latin entry, the value 1139 to the Canadian Aboriginal entry, the value 1140 to the Devanagari entry, the value 1144 to the Katakana entry, the value 1148 to the Cyrillic entry, the value 1151 to the Ethiopic entry, the value 2008 to the CJK entry; and insert the following entries:

Cypro-Minoan	1142
Kaktovik numerals	1146
Kawi	1141
Nag Mundari	1150
Old Uyghur	1138
Tangsa	1143
Toto	1149
Vithkuqi	1136
Znamenny musical notation	1145

A.2.1

In the list of blocks in the BMP, insert the following new entries:

ARABIC EXTENDED-B	0870-089F
-------------------	-----------

A.2.2

In the list of blocks in the SMP, update the following new entry as follows:

EGYPTIAN HIEROGLYPHS FORMAT CONTROL	13430-1345F
-------------------------------------	-------------

In the list of blocks in the SMP, insert the following new entries:

VITHKUQI	10570-105BF
LATIN EXTENDED-F	10780-107BF
ARABIC EXTENDED-C	10EC0-10EFF
OLD UYGHUR	10F70-10FAF

UNIFIED CANADIAN ABORIGINAL SYLLABICS	
EXTENDED-A	11AB0-11ABF
DEVANAGARI EXTENDED-A	11B00-11B5F
KAWI	11F00-11F5F
CYPRO-MINOAN	12F90-12FFF
TANGSA	16A70-16ACF
KANA EXTENDED-B	1AFF0-1AFFF
ZNAMENNY MUSICAL NOTATION	1CF00-1CFCF
KAKTOVIK NUMERALS	1D2C0-1D2DF
LATIN EXTENDED-G	1DF00-1DFFF
CYRILLIC EXTENDED-D	1E030-1E08F
TOTO	1E290-1E2BF
NAG MUNDARI	1E4D0-1E4FF
ETHIOPIC EXTENDED-B	1E7E0-1E7FF

A.6 Unicode collections

Insert the new entry as follows:

- 322 UNICODE 14.0 Age property value less than or equal to 14.0
- 323 UNICODE 15.0 Age property value less than or equal to 15.0

Annex G

Insert each of the new character name entries at the appropriate position, ordered alphabetically by the character name, in the list of character names in Annex G. These new names are provided in a machine-readable format that is accessible as a link to this document.

<https://standards.iso.org/iso-iec/10646/ed-6/en/amd/1/Am1names.txt>

(standards.iteh.ai)

[ISO/IEC 10646:2020/FDAmd 1](https://standards.iteh.ai/catalog/standards/sist/febc8d5d-b886-4d51-8bf5-5c03b75f470f/iso-iec-10646-2020-fdamd-1)

<https://standards.iteh.ai/catalog/standards/sist/febc8d5d-b886-4d51-8bf5-5c03b75f470f/iso-iec-10646-2020-fdamd-1>