
Information technology — Universal coded character set (UCS)

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

*Technologies de l'information — Jeu universel de caractères codés
(JUC)*

*AMENDEMENT 1: Supplément H aux idéogrammes unifiés CJK,
Vithkuqi, vieil-ouïghour, Chypro-minoen, et autres caractères*





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This document was prepared by Joint Technical Committee ISO/IEC JTC 1, *Information technology*, Subcommittee SC 2, *Coded character sets*.

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Information technology — Universal Coded Character Set (UCS) —

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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) 欢榔, 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 Chũ 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 Chũ 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-1ddddd GZA-2ddddd GZA-3ddddd GZA-4ddddd GZA-6ddddd GZA-7ddddd
kIRG_Msource	MA-hhhh MB1-hhhh MB2-hhhh MC-ddddd MD-hhhh MD-hhhhh MDH-hhhh
kIRG_VSource	VN-hhhhh

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						HEX	C					
4E00 — 1.0	一	一	一	一	一	一	4E14 — 1.4	且	且	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	丁	4E15 — 1.4	丕	丕	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	𠂇		𠂇	𠂇			4E16 — 1.4	世	世	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	七	4E17 — 1.3	卅		卅	卅		
	G0-465F	HB1-A443	T1-4424	J0-3C37	K0-7652	V1-4A23		GE-3024		T4-2155	J0-5242		
4E04 — 1.1	𠂇	𠂇	𠂇	𠂇				卅					
	GE-3021	H-9EB3	T3-2126	J1-3022				MD-4E17					
4E05 — 1.1	𠂇		𠂇	𠂇			4E18 — 1.4	丘	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	𠂇				𠂇		4E19 — 1.4	丙	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	万	4E1A — 1.4	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	丈	4E1B — 1.4	丛					
	G0-5549	HB1-A456	T1-4437	J0-3E66	K0-6D5B	V1-4A25		G0-3454					
4E09 — 1.2	三	三	三	三	三	三	4E1C — 1.4	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 FBE0-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
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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
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A.2.2

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

EGYPTIAN HIEROGLYPHS FORMAT CONTROL	13430-1345F
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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>

	018	019	01A	01B	01C	01D	01E	01F	020	021	022	023	024
0	Ḕ 0180	Ɛ 0190	Ɔ 01A0	Ʈ 01B0	ǀ 01C0	ǃ 01D0	Ā 01E0	ǰ 01F0	À 0200	Ẁ 0210	ŋ 0220	Ȫ 0230	Ʒ 0240
1	Ḕ 0181	Ɔ 0191	Ɔ 01A1	Ʈ 01B1	ǀ 01C1	ǃ 01D1	ā 01E1	DZ 01F1	à 0201	ẁ 0211	Ɔ 0221	Ȫ 0231	Ʒ 0241
2	Ḕ 0182	Ɔ 0192	Ɔ 01A2	Ʈ 01B2	ǀ 01C2	ǃ 01D2	Ā 01E2	Dz 01F2	Â 0202	Ẃ 0212	8 0222	Ȫ 0232	Ʒ 0242
3	Ḕ 0183	Ɔ 0193	Ɔ 01A3	Ʈ 01B3	ǀ 01C3	ǃ 01D3	ā 01E3	dz 01F3	â 0203	ẃ 0213	8 0223	Ȫ 0233	Ʒ 0243
4	Ḕ 0184	Ɔ 0194	Ɔ 01A4	Ʈ 01B4	ǀ 01C4	ǃ 01D4	Ā 01E4	ǰ 01F4	È 0204	Ẅ 0214	Ɔ 0224	Ȫ 0234	Ʒ 0244
5	Ḕ 0185	Ɔ 0195	Ɔ 01A5	Ʈ 01B5	ǀ 01C5	ǃ 01D5	Ā 01E5	ǰ 01F5	è 0205	ẅ 0215	Ɔ 0225	Ȫ 0235	Ʒ 0245
6	Ḕ 0186	Ɔ 0196	Ɔ 01A6	Ʈ 01B6	ǀ 01C6	ǃ 01D6	Ā 01E6	ǰ 01F6	Ê 0206	Ẇ 0216	Ɔ 0226	Ȫ 0236	Ʒ 0246
7	Ḕ 0187	Ɔ 0197	Ɔ 01A7	Ʈ 01B7	ǀ 01C7	ǃ 01D7	Ā 01E7	ǰ 01F7	ê 0207	ẇ 0217	Ɔ 0227	Ȫ 0237	Ʒ 0247
8	Ḕ 0188	Ɔ 0198	Ɔ 01A8	Ʈ 01B8	ǀ 01C8	ǃ 01D8	Ā 01E8	ǰ 01F8	Ë 0208	ẘ 0218	Ɔ 0228	Ȫ 0238	Ʒ 0248
9	Ḕ 0189	Ɔ 0199	Ɔ 01A9	Ʈ 01B9	ǀ 01C9	ǃ 01D9	Ā 01E9	ǰ 01F9	ë 0209	ẙ 0219	Ɔ 0229	Ȫ 0239	Ʒ 0249
A	Ḕ 018A	Ɔ 019A	Ɔ 01AA	Ʈ 01BA	ǀ 01CA	ǃ 01DA	Ā 01EA	ǰ 01FA	Î 020A	ẚ 021A	Ɔ 022A	Ȫ 023A	Ʒ 024A
B	Ḕ 018B	Ɔ 019B	Ɔ 01AB	Ʈ 01BB	ǀ 01CB	ǃ 01DB	Ā 01EB	ǰ 01FB	İ 020B	ẛ 021B	Ɔ 022B	Ȫ 023B	Ʒ 024B
C	Ḕ 018C	Ɔ 019C	Ɔ 01AC	Ʈ 01BC	ǀ 01CC	ǃ 01DC	Ā 01EC	ǰ 01FC	Ò 020C	ẜ 021C	Ɔ 022C	Ȫ 023C	Ʒ 024C
D	Ḕ 018D	Ɔ 019D	Ɔ 01AD	Ʈ 01BD	ǀ 01CD	ǃ 01DD	Ā 01ED	ǰ 01FD	ó 020D	ẝ 021D	Ɔ 022D	Ȫ 023D	Ʒ 024D
E	Ḕ 018E	Ɔ 019E	Ɔ 01AE	Ʈ 01BE	ǀ 01CE	ǃ 01DE	Ā 01EE	ǰ 01FE	Ô 020E	ẞ 021E	Ɔ 022E	Ȫ 023E	Ʒ 024E
F	Ḕ 018F	Ɔ 019F	Ɔ 01AF	Ʈ 01BF	ǀ 01CF	ǃ 01DF	Ā 01EF	ǰ 01FF	ô 020F	ẟ 021F	Ɔ 022F	Ȫ 023F	Ʒ 024F

Non-European and historic Latin

- 0180 **ḃ** LATIN SMALL LETTER B WITH STROKE
- Americanist and Indo-Europeanist usage for phonetic beta
 - Americanist orthographies use an alternate glyph with the stroke through the bowl
 - Old Saxon
 - uppercase is 0243 **Ḃ**
 - 03B2 **β** greek small letter beta
 - 2422 **Ḃ** blank symbol
- 0181 **Ḃ** LATIN CAPITAL LETTER B WITH HOOK
- Zulu, Pan-Nigerian alphabet
 - lowercase is 0253 **ḃ**
- 0182 **Ḃ** LATIN CAPITAL LETTER B WITH TOPBAR
- 0183 **Ḃ** LATIN SMALL LETTER B WITH TOPBAR
- Zhuang (old orthography)
 - former Soviet minority language scripts
 - 0411 **Ḃ** cyrillic capital letter be
- 0184 **Ḅ** LATIN CAPITAL LETTER TONE SIX
- 0185 **Ḅ** LATIN SMALL LETTER TONE SIX
- Zhuang (old orthography)
 - Zhuang tone three is Cyrillic ze
 - Zhuang tone four is Cyrillic che
 - 01A8 **Ḅ** latin small letter tone two
 - 01BD **Ḅ** latin small letter tone five
 - 0437 **Ḅ** cyrillic small letter ze
 - 0447 **Ḅ** cyrillic small letter che
 - 044C **Ḅ** cyrillic small letter soft sign
- 0186 **Ḅ** LATIN CAPITAL LETTER OPEN O
- typographically a turned C
 - African
 - lowercase is 0254 **Ḅ**
- 0187 **Ḅ** LATIN CAPITAL LETTER C WITH HOOK
- 0188 **Ḅ** LATIN SMALL LETTER C WITH HOOK
- African
- 0189 **Ḅ** LATIN CAPITAL LETTER AFRICAN D
- Ewe
 - lowercase is 0256 **Ḅ**
 - 00D0 **Ḅ** latin capital letter eth
 - 0110 **Ḅ** latin capital letter d with stroke
- 018A **Ḅ** LATIN CAPITAL LETTER D WITH HOOK
- Pan-Nigerian alphabet
 - lowercase is 0257 **Ḅ**
- 018B **Ḅ** LATIN CAPITAL LETTER D WITH TOPBAR
- 018C **Ḅ** LATIN SMALL LETTER D WITH TOPBAR
- former-Soviet minority language scripts
 - Zhuang (old orthography)
- 018D **Ḅ** LATIN SMALL LETTER TURNED DELTA
- = reversed Polish-hook o
 - archaic phonetic for labialized alveolar fricative
 - recommended spellings 007A **Ḅ** 02B7 **Ḅ** or 007A **Ḅ** 032B **Ḅ**
- 018E **Ḅ** LATIN CAPITAL LETTER REVERSED E
- = turned e
 - Pan-Nigerian alphabet
 - lowercase is 01DD **Ḅ**
- 018F **Ḅ** LATIN CAPITAL LETTER SCHWA
- Azerbaijani, ...
 - lowercase is 0259 **Ḅ**
 - 04D8 **Ḅ** cyrillic capital letter schwa

- 0190 **Ḅ** LATIN CAPITAL LETTER OPEN E
- = epsilon
 - African
 - lowercase is 025B **Ḅ**
 - 2107 **Ḅ** euler constant
 - 218B **Ḅ** turned digit three
- 0191 **Ḅ** LATIN CAPITAL LETTER F WITH HOOK
- African
 - A798 **Ḅ** latin capital letter f with stroke
- 0192 **Ḅ** LATIN SMALL LETTER F WITH HOOK
- = script f
 - = Florin currency symbol (Netherlands)
 - = function symbol
 - used as abbreviation convention for folder
- 0193 **Ḅ** LATIN CAPITAL LETTER G WITH HOOK
- African
 - lowercase is 0260 **Ḅ**
- 0194 **Ḅ** LATIN CAPITAL LETTER GAMMA
- African
 - lowercase is 0263 **Ḅ**
- 0195 **Ḅ** LATIN SMALL LETTER HV
- Gothic transliteration
 - uppercase is 01F6 **Ḅ**
- 0196 **Ḅ** LATIN CAPITAL LETTER IOTA
- African
 - lowercase is 0269 **Ḅ**
- 0197 **Ḅ** LATIN CAPITAL LETTER I WITH STROKE
- = barred i, i bar
 - African
 - lowercase is 0268 **Ḅ**
 - ISO 6438 gives lowercase as 026A **Ḅ**, not 0268 **Ḅ**
 - 026A **Ḅ** latin letter small capital i
- 0198 **Ḅ** LATIN CAPITAL LETTER K WITH HOOK
- 0199 **Ḅ** LATIN SMALL LETTER K WITH HOOK
- Hausa, Pan-Nigerian alphabet
- 019A **Ḅ** LATIN SMALL LETTER L WITH BAR
- = barred l
 - Americanist phonetic usage for 026C **Ḅ**
 - uppercase is 023D **Ḅ**
 - 0142 **Ḅ** latin small letter l with stroke
- 019B **Ḅ** LATIN SMALL LETTER LAMBDA WITH STROKE
- = barred lambda, lambda bar
 - Americanist phonetic usage
- 019C **Ḅ** LATIN CAPITAL LETTER TURNED M
- Zhuang (old orthography)
 - lowercase is 026F **Ḅ**
- 019D **Ḅ** LATIN CAPITAL LETTER N WITH LEFT HOOK
- African
 - lowercase is 0272 **Ḅ**
- 019E **Ḅ** LATIN SMALL LETTER N WITH LONG RIGHT LEG
- archaic phonetic for Japanese 3093 **Ḅ**
 - recommended spelling for syllabic n is 006E **Ḅ** 0329 **Ḅ**
 - Lakota (indicates nasalization of vowel)
 - uppercase is 0220 **Ḅ**
- 019F **Ḅ** LATIN CAPITAL LETTER O WITH MIDDLE TILDE
- = barred o, o bar
 - lowercase is 0275 **Ḅ**
 - African
 - 04E8 **Ḅ** cyrillic capital letter barred o
- 01A0 **Ḅ** LATIN CAPITAL LETTER O WITH HORN
- = 004F **Ḅ** 031B **Ḅ**

01A1	ơ	LATIN SMALL LETTER O WITH HORN	01B5	Ỡ	LATIN CAPITAL LETTER Z WITH STROKE
		• Vietnamese	01B6	Ẑ	LATIN SMALL LETTER Z WITH STROKE
		≡ 006F ơ 031B ơ			= barred z, z bar
01A2	Ų	LATIN CAPITAL LETTER OI			• Pan-Turkic Latin orthography
		× LATIN CAPITAL LETTER GHA			• handwritten variant of Latin “z”
01A3	ɔ̣	LATIN SMALL LETTER OI	01B7	Ƶ	LATIN CAPITAL LETTER EZH
		× LATIN SMALL LETTER GHA			• African, Skolt Sami
		• Pan-Turkic Latin alphabets			• lowercase is 0292 ƶ
01A4	Ɔ	LATIN CAPITAL LETTER P WITH HOOK			→ 021C Ʒ latin capital letter yogh
01A5	Ɇ	LATIN SMALL LETTER P WITH HOOK			→ 04E0 Ƹ cyrillic capital letter abkhasian dze
		• African	01B8	Ҩ	LATIN CAPITAL LETTER EZH REVERSED
01A6	Ʀ	LATIN LETTER YR	01B9	Ҩ̂	LATIN SMALL LETTER EZH REVERSED
		• Old Norse			• archaic phonetic for voiced pharyngeal fricative
		• from German Standard DIN 31624 and ISO 5426-2			• sometimes typographically rendered with a turned digit 3
		• lowercase is 0280 ƞ			• recommended spelling 0295 Ʒ
01A7	Რ	LATIN CAPITAL LETTER TONE TWO			→ 0295 Ʒ latin letter pharyngeal voiced fricative
01A8	Ს	LATIN SMALL LETTER TONE TWO			→ 0639 ع arabic letter ain
		• Zhuang (old orthography)	01BA	Ẓ	LATIN SMALL LETTER EZH WITH TAIL
		• typographically a reversed S			• archaic phonetic for labialized voiced palatoalveolar or palatal fricative
		→ 0185 ɰ latin small letter tone six			• Twi
01A9	Σ	LATIN CAPITAL LETTER ESH			• recommended spellings 0292 Ʒ 02B7 ʷ or 006A j 02B7 ʷ
		• African	01BB	Ტ	LATIN LETTER TWO WITH STROKE
		• lowercase is 0283 Ɵ			• archaic phonetic for [dz] affricate
		→ 03A3 Σ greek capital letter sigma			• recommended spellings 0292 Ʒ or 0064 d 007A z
01AA	ʅ	LATIN LETTER REVERSED ESH LOOP	01BC	Ფ	LATIN CAPITAL LETTER TONE FIVE
		• archaic phonetic for labialized palatoalveolar or palatal fricative	01BD	Ქ	LATIN SMALL LETTER TONE FIVE
		• Twi			• Zhuang (old orthography)
		• recommended spellings 0283 Ɵ 02B7 ʷ, 00E7 ɕ 02B7 ʷ, 0068 h 0265 ɥ, etc.			→ 0185 ɰ latin small letter tone six
01AB	ɖ	LATIN SMALL LETTER T WITH PALATAL HOOK	01BE	Ღ	LATIN LETTER INVERTED GLOTTAL STOP WITH STROKE
		• archaic phonetic for palatalized alveolar or dental stop			• archaic phonetic for [ts] affricate
		• recommended spelling 0074 ɖ 02B2 j			• recommended spelling 0074 ɖ 0073 s
01AC	Ƨ	LATIN CAPITAL LETTER T WITH HOOK			• letter form is actually derived from ligation of ts, rather than inverted glottal stop
		• a glyph variant with hook at the right also occurs	01BF	Ყ	LATIN LETTER WYNN
01AD	ɛ̣	LATIN SMALL LETTER T WITH HOOK			= wen
		• African			• Runic letter borrowed into Latin script
01AE	Ƨ̂	LATIN CAPITAL LETTER T WITH RETROFLEX HOOK			• replaced by “w” in modern transcriptions of Old English
		• African			• uppercase is 01F7 Ƨ̂
		• lowercase is 0288 ɖ̂			→ 16B9 Ƨ̂ runic letter wunjo wyynn w
01AF	Ʊ	LATIN CAPITAL LETTER U WITH HORN	African letters for clicks		
		≡ 0055 Ʊ 031B Ʊ	01C0	ǀ	LATIN LETTER DENTAL CLICK
01B0	ɯ	LATIN SMALL LETTER U WITH HORN			= pipe
		• Vietnamese			• Khoisan tradition
		≡ 0075 ɯ 031B ɯ			• “c” in Zulu orthography
01B1	Ɔ̣	LATIN CAPITAL LETTER UPSILON			→ 002F / solidus
		• African			→ 007C ǀ vertical line
		• typographically based on turned capital Greek omega			→ 0287 ɰ latin small letter turned t
		• lowercase is 028A ɯ̣			→ 2223 divides
		→ 2127 Ƨ̂ inverted ohm sign	01C1	ǁ	LATIN LETTER LATERAL CLICK
01B2	Ʊ̣	LATIN CAPITAL LETTER V WITH HOOK			= double pipe
		= script v			• Khoisan tradition
		• African			• “x” in Zulu orthography
		• lowercase is 028B ɯ̣			→ 0296 ƶ latin letter inverted glottal stop
01B3	Ƨ̂	LATIN CAPITAL LETTER Y WITH HOOK			→ 2225 ǁ parallel to
		• a glyph variant with hook at the left also occurs			
01B4	Ƨ̂	LATIN SMALL LETTER Y WITH HOOK			
		• Bini, Esoko, and other Edo languages in West Africa			

01C2 ‡ LATIN LETTER ALVEOLAR CLICK

= double-barred pipe
= palatoalveolar click (IPA)

• Khoisan tradition

→ 2260 ≠ not equal to

01C3 ! LATIN LETTER RETROFLEX CLICK

= latin letter exclamation mark (1.0)
= (post)alveolar click (IPA)

• Khoisan tradition

• “q” in Zulu orthography

→ 0021 ! exclamation mark

→ 0297 Ć latin letter stretched c

Latin digraphs matching Serbian Cyrillic letters*These digraphs are for Gaj's Latin alphabet, used in writing
Bosnian, Croatian, Serbian, and Montenegrin.*

01C4 DŽ LATIN CAPITAL LETTER DZ WITH CARON

≈ 0044 Đ 017D Ž

01C5 Dž LATIN CAPITAL LETTER D WITH SMALL LETTER
Z WITH CARON

≈ 0044 Đ 017E ž

01C6 dž LATIN SMALL LETTER DZ WITH CARON

→ 045F ђ cyrillic small letter dzhe

≈ 0064 đ 017E ž

01C7 LJ LATIN CAPITAL LETTER LJ

≈ 004C Ĺ 004A J

01C8 Lj LATIN CAPITAL LETTER L WITH SMALL LETTER J

≈ 004C Ĺ 006A j

01C9 lj LATIN SMALL LETTER LJ

→ 0459 љ cyrillic small letter lje

≈ 006C ĺ 006A j

01CA NJ LATIN CAPITAL LETTER NJ

≈ 004E Ñ 004A J

01CB Nj LATIN CAPITAL LETTER N WITH SMALL
LETTER J

≈ 004E Ñ 006A j

01CC nj LATIN SMALL LETTER NJ

→ 045A њ cyrillic small letter nje

≈ 006E n 006A j

Pinyin diacritic-vowel combinations

01CD Ä LATIN CAPITAL LETTER A WITH CARON

≡ 0041 Ä 030C ǎ

01CE ä LATIN SMALL LETTER A WITH CARON

• Pinyin third tone

≡ 0061 a 030C ǎ

01CF Ĩ LATIN CAPITAL LETTER I WITH CARON

≡ 0049 I 030C ǐ

01D0 ĩ LATIN SMALL LETTER I WITH CARON

• Pinyin third tone

≡ 0069 i 030C ǐ

01D1 Ŏ LATIN CAPITAL LETTER O WITH CARON

≡ 004F O 030C ǒ

01D2 ǒ LATIN SMALL LETTER O WITH CARON

• Pinyin third tone

≡ 006F o 030C ǒ

01D3 Ů LATIN CAPITAL LETTER U WITH CARON

≡ 0055 U 030C ǔ

01D4 ů LATIN SMALL LETTER U WITH CARON

• Pinyin third tone

≡ 0075 u 030C ǔ

01D5 Ü LATIN CAPITAL LETTER U WITH DIAERESIS AND
MACRON

≡ 00DC Ü 0304 ̄

01D6 ü LATIN SMALL LETTER U WITH DIAERESIS AND
MACRON

• Pinyin first tone

≡ 00FC ü 0304 ̄

01D7 Ű LATIN CAPITAL LETTER U WITH DIAERESIS AND
ACUTE

≡ 00DC Ü 0301 ́

01D8 ú LATIN SMALL LETTER U WITH DIAERESIS AND
ACUTE

• Pinyin second tone

≡ 00FC ü 0301 ́

01D9 Ū LATIN CAPITAL LETTER U WITH DIAERESIS AND
CARON

≡ 00DC Ü 030C ̄

01DA ů LATIN SMALL LETTER U WITH DIAERESIS AND
CARON

• Pinyin third tone

≡ 00FC ü 030C ̄

01DB Ŭ LATIN CAPITAL LETTER U WITH DIAERESIS AND
GRAVE

≡ 00DC Ü 0300 ̀

01DC ù LATIN SMALL LETTER U WITH DIAERESIS AND
GRAVE

• Pinyin fourth tone

≡ 00FC ü 0300 ̀

Phonetic and historic letters

01DD ə LATIN SMALL LETTER TURNED E

• Pan-Nigerian alphabet

• all other usages of schwa are 0259 ̩

• uppercase is 018E Ǝ

→ 0259 ə latin small letter schwa

01DE Ä LATIN CAPITAL LETTER A WITH DIAERESIS AND
MACRON

≡ 00C4 Ä 0304 ̄

01DF ā LATIN SMALL LETTER A WITH DIAERESIS AND
MACRON

• Livonian, Uralicist usage

≡ 00E4 ā 0304 ̄

01E0 Ā LATIN CAPITAL LETTER A WITH DOT ABOVE
AND MACRON

≡ 0226 Ā 0304 ̄

01E1 Ǻ LATIN SMALL LETTER A WITH DOT ABOVE AND
MACRON

• Uralicist usage

≡ 0227 Ǻ 0304 ̄

01E2 Æ LATIN CAPITAL LETTER AE WITH MACRON

≡ 00C6 Æ 0304 ̄

01E3 æ LATIN SMALL LETTER AE WITH MACRON

• Old Norse, Old English

≡ 00E6 æ 0304 ̄

01E4 Ğ LATIN CAPITAL LETTER G WITH STROKE

01E5 ğ LATIN SMALL LETTER G WITH STROKE

• Skolt Sami

01E6 Ğ LATIN CAPITAL LETTER G WITH CARON

≡ 0047 Ğ 030C ̄

01E7 ģ LATIN SMALL LETTER G WITH CARON

• Skolt Sami

→ 011F ģ latin small letter g with breve

≡ 0067 ģ 030C ̄

01E8 Ķ LATIN CAPITAL LETTER K WITH CARON

≡ 004B Ķ 030C ̄

01E9 ķ LATIN SMALL LETTER K WITH CARON

• Skolt Sami

≡ 006B ķ 030C ̄

01EA

Latin Extended-B

021B

01EA	Œ	LATIN CAPITAL LETTER O WITH OGONEK ≡ 004F Œ 0328 Ȯ
01EB	Ȯ	LATIN SMALL LETTER O WITH OGONEK • Sami, Iroquoian, Old Icelandic ≡ 006F Ȯ 0328 Ȯ
01EC	Ȫ	LATIN CAPITAL LETTER O WITH OGONEK AND MACRON ≡ 01EA Œ 0304 Ȫ
01ED	ȫ	LATIN SMALL LETTER O WITH OGONEK AND MACRON • Old Icelandic, Livonian (in recent linguistic scholarship) ≡ 01EB Ȯ 0304 ȫ
01EE	Ž	LATIN CAPITAL LETTER EZH WITH CARON ≡ 01B7 Ž 030C Ž
01EF	ž	LATIN SMALL LETTER EZH WITH CARON • Skolt Sami ≡ 0292 ž 030C ž
01F0	Ĵ	LATIN SMALL LETTER J WITH CARON • IPA and many languages ≡ 006A Ĵ 030C Ĵ
01F1	DZ	LATIN CAPITAL LETTER DZ ≈ 0044 D 005A Z
01F2	Dz	LATIN CAPITAL LETTER D WITH SMALL LETTER Z ≈ 0044 D 007A z
01F3	dz	LATIN SMALL LETTER DZ ≈ 0064 d 007A z
01F4	Ġ	LATIN CAPITAL LETTER G WITH ACUTE ≡ 0047 Ġ 0301 Ġ
01F5	ġ	LATIN SMALL LETTER G WITH ACUTE • Macedonian and Serbian transliteration ≡ 0067 ġ 0301 ġ
01F6	Hu	LATIN CAPITAL LETTER HWAIR • lowercase is 0195 hu
01F7	Ɔ	LATIN CAPITAL LETTER WYNN = wen • lowercase is 01BF Ɔ
01F8	Ñ	LATIN CAPITAL LETTER N WITH GRAVE ≡ 004E Ñ 0300 Ñ
01F9	ñ	LATIN SMALL LETTER N WITH GRAVE • Pinyin ≡ 006E ñ 0300 ñ
01FA	Å	LATIN CAPITAL LETTER A WITH RING ABOVE AND ACUTE ≡ 00C5 Å 0301 Å
01FB	å	LATIN SMALL LETTER A WITH RING ABOVE AND ACUTE ≡ 00E5 å 0301 å
01FC	Æ	LATIN CAPITAL LETTER AE WITH ACUTE ≡ 00C6 Æ 0301 Æ
01FD	æ	LATIN SMALL LETTER AE WITH ACUTE ≡ 00E6 æ 0301 æ
01FE	Ø	LATIN CAPITAL LETTER O WITH STROKE AND ACUTE ≡ 00D8 Ø 0301 Ø
01FF	ø	LATIN SMALL LETTER O WITH STROKE AND ACUTE ≡ 00F8 ø 0301 ø

Additions for Slovenian

0200	À	LATIN CAPITAL LETTER A WITH DOUBLE GRAVE ≡ 0041 A 030F À
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0201	â	LATIN SMALL LETTER A WITH DOUBLE GRAVE ≡ 0061 a 030F â
0202	Â	LATIN CAPITAL LETTER A WITH INVERTED BREVE ≡ 0041 A 0311 Â
0203	â	LATIN SMALL LETTER A WITH INVERTED BREVE ≡ 0061 a 0311 â
0204	Ê	LATIN CAPITAL LETTER E WITH DOUBLE GRAVE ≡ 0045 E 030F Ê
0205	ê	LATIN SMALL LETTER E WITH DOUBLE GRAVE ≡ 0065 e 030F ê
0206	Ê	LATIN CAPITAL LETTER E WITH INVERTED BREVE ≡ 0045 E 0311 Ê
0207	ê	LATIN SMALL LETTER E WITH INVERTED BREVE ≡ 0065 e 0311 ê
0208	Ï	LATIN CAPITAL LETTER I WITH DOUBLE GRAVE ≡ 0049 I 030F Ï
0209	ï	LATIN SMALL LETTER I WITH DOUBLE GRAVE ≡ 0069 i 030F ï
020A	Î	LATIN CAPITAL LETTER I WITH INVERTED BREVE ≡ 0049 I 0311 Î
020B	î	LATIN SMALL LETTER I WITH INVERTED BREVE ≡ 0069 i 0311 î
020C	Ò	LATIN CAPITAL LETTER O WITH DOUBLE GRAVE ≡ 004F O 030F Ò
020D	ò	LATIN SMALL LETTER O WITH DOUBLE GRAVE ≡ 006F o 030F ò
020E	Ô	LATIN CAPITAL LETTER O WITH INVERTED BREVE ≡ 004F O 0311 Ô
020F	ô	LATIN SMALL LETTER O WITH INVERTED BREVE ≡ 006F o 0311 ô
0210	Ř	LATIN CAPITAL LETTER R WITH DOUBLE GRAVE ≡ 0052 R 030F Ř
0211	ř	LATIN SMALL LETTER R WITH DOUBLE GRAVE ≡ 0072 r 030F ř
0212	Ř	LATIN CAPITAL LETTER R WITH INVERTED BREVE ≡ 0052 R 0311 Ř
0213	ř	LATIN SMALL LETTER R WITH INVERTED BREVE ≡ 0072 r 0311 ř
0214	Û	LATIN CAPITAL LETTER U WITH DOUBLE GRAVE ≡ 0055 U 030F Û
0215	û	LATIN SMALL LETTER U WITH DOUBLE GRAVE ≡ 0075 u 030F û
0216	Û	LATIN CAPITAL LETTER U WITH INVERTED BREVE ≡ 0055 U 0311 Û
0217	û	LATIN SMALL LETTER U WITH INVERTED BREVE ≡ 0075 u 0311 û

Additions for Romanian

0218	Ș	LATIN CAPITAL LETTER S WITH COMMA BELOW ≡ 0053 S 0326 Ț
0219	ș	LATIN SMALL LETTER S WITH COMMA BELOW → 015F ș latin small letter s with cedilla ≡ 0073 s 0326 Ț
021A	Ț	LATIN CAPITAL LETTER T WITH COMMA BELOW ≡ 0054 T 0326 Ț
021B	ț	LATIN SMALL LETTER T WITH COMMA BELOW → 0163 ț latin small letter t with cedilla ≡ 0074 t 0326 Ț

Miscellaneous additions

- 021C Ț LATIN CAPITAL LETTER YOGH
→ 01B7 Ț latin capital letter ezh
- 021D ȣ LATIN SMALL LETTER YOGH
• Middle English, Scots
→ 0292 ȣ latin small letter ezh
→ 1D79 ȣ latin small letter insular g
- 021E Ĥ LATIN CAPITAL LETTER H WITH CARON
≡ 0048 Ĥ 030C ȥ
- 021F ĥ LATIN SMALL LETTER H WITH CARON
• Finnish Romany
≡ 0068 ĥ 030C ȥ
- 0220 Ŋ LATIN CAPITAL LETTER N WITH LONG RIGHT LEG
• Lakota
• lowercase is 019E ɳ
- 0221 ɖ LATIN SMALL LETTER D WITH CURL
• phonetic use in Sinology
- 0222 8 LATIN CAPITAL LETTER OU
- 0223 8 LATIN SMALL LETTER OU
• Algonquin, Huron
→ 0038 8 digit eight
- 0224 Ẓ LATIN CAPITAL LETTER Z WITH HOOK
- 0225 ẓ LATIN SMALL LETTER Z WITH HOOK
• Middle High German
- 0226 Å LATIN CAPITAL LETTER A WITH DOT ABOVE
≡ 0041 Å 0307 ˆ
- 0227 å LATIN SMALL LETTER A WITH DOT ABOVE
• Uralicist usage
≡ 0061 å 0307 ˆ
- 0228 Ě LATIN CAPITAL LETTER E WITH CEDILLA
≡ 0045 Ě 0327 ̣
- 0229 ě LATIN SMALL LETTER E WITH CEDILLA
≡ 0065 ě 0327 ̣

Additions for Livonian

- 022A Ō LATIN CAPITAL LETTER O WITH DIAERESIS AND MACRON
≡ 00D6 Ō 0304 ̄
- 022B ȯ LATIN SMALL LETTER O WITH DIAERESIS AND MACRON
≡ 00F6 ȯ 0304 ̄
- 022C Ȫ LATIN CAPITAL LETTER O WITH TILDE AND MACRON
≡ 00D5 Ȫ 0304 ̄
- 022D ȫ LATIN SMALL LETTER O WITH TILDE AND MACRON
≡ 00F5 ȫ 0304 ̄
- 022E Ȭ LATIN CAPITAL LETTER O WITH DOT ABOVE
≡ 004F Ȭ 0307 ˙
- 022F ȭ LATIN SMALL LETTER O WITH DOT ABOVE
≡ 006F ȭ 0307 ˙
- 0230 Ȯ LATIN CAPITAL LETTER O WITH DOT ABOVE AND MACRON
≡ 022E Ȯ 0304 ̄
- 0231 ȯ LATIN SMALL LETTER O WITH DOT ABOVE AND MACRON
≡ 022F ȯ 0304 ̄
- 0232 Ȱ LATIN CAPITAL LETTER Y WITH MACRON
≡ 0059 Ȱ 0304 ̄
- 0233 ȱ LATIN SMALL LETTER Y WITH MACRON
• also Cornish
≡ 0079 ȱ 0304 ̄

Additions for Sinology

- 0234 ɭ LATIN SMALL LETTER L WITH CURL
- 0235 ɮ LATIN SMALL LETTER N WITH CURL
- 0236 ɯ LATIN SMALL LETTER T WITH CURL

Miscellaneous addition

- 0237 ȷ LATIN SMALL LETTER DOTLESS J
→ 1D6A5 ȷ mathematical italic small dotless j

Additions for Africanist linguistics

- 0238 Ʉb LATIN SMALL LETTER DB DIGRAPH
- 0239 Ʉp LATIN SMALL LETTER QP DIGRAPH

Additions for Sencoten

- 023A Ȧ LATIN CAPITAL LETTER A WITH STROKE
• lowercase is 2C65 Ȧ
- 023B Ȣ LATIN CAPITAL LETTER C WITH STROKE
- 023C ȣ LATIN SMALL LETTER C WITH STROKE
• also used in Americanist linguistics
- 023D Ȥ LATIN CAPITAL LETTER L WITH BAR
• lowercase is 019A Ȥ
- 023E ȥ LATIN CAPITAL LETTER T WITH DIAGONAL STROKE
• lowercase is 2C66 ȥ

Additions for Africanist linguistics

These letters were used in a Shona orthography from 1931 to 1955.

- 023F Ȧ LATIN SMALL LETTER S WITH SWASH TAIL
• voiceless labio-alveolar fricative
• uppercase is 2C7E Ȧ
→ 0282 Ȧ latin small letter s with hook
- 0240 Ȣ LATIN SMALL LETTER Z WITH SWASH TAIL
• voiced labio-alveolar fricative
• uppercase is 2C7F Ȣ
→ 0290 Ȣ latin small letter z with retroflex hook

Miscellaneous additions

- 0241 Ȧ LATIN CAPITAL LETTER GLOTTAL STOP
- 0242 Ȣ LATIN SMALL LETTER GLOTTAL STOP
• casing use in Chipewyan, Dogrib, Slavey (Canadian aboriginal orthographies)
→ 0294 Ȣ latin letter glottal stop
→ 02C0 Ȣ modifier letter glottal stop
- 0243 Ȣ LATIN CAPITAL LETTER B WITH STROKE
• lowercase is 0180 Ȣ
- 0244 ȣ LATIN CAPITAL LETTER U BAR
• lowercase is 0289 ȣ
- 0245 Ȥ LATIN CAPITAL LETTER TURNED V
• lowercase is 028C Ȥ
- 0246 ȥ LATIN CAPITAL LETTER E WITH STROKE
- 0247 Ȧ LATIN SMALL LETTER E WITH STROKE
- 0248 Ȣ LATIN CAPITAL LETTER J WITH STROKE
- 0249 ȣ LATIN SMALL LETTER J WITH STROKE
- 024A ȣ LATIN CAPITAL LETTER SMALL Q WITH HOOK TAIL
- 024B ȣ LATIN SMALL LETTER Q WITH HOOK TAIL
- 024C Ȣ LATIN CAPITAL LETTER R WITH STROKE
- 024D ȣ LATIN SMALL LETTER R WITH STROKE
- 024E Ȣ LATIN CAPITAL LETTER Y WITH STROKE
- 024F ȣ LATIN SMALL LETTER Y WITH STROKE

	025	026	027	028	029	02A
0	ɐ 0250	ɟ 0260	ɥ 0270	ʀ 0280	ʐ 0290	ɸ 02A0
1	ɑ 0251	ɠ 0261	ɱ 0271	ɸ 0281	ʐ 0291	ʑ 02A1
2	ɒ 0252	ɢ 0262	ɲ 0272	ʂ 0282	ʑ 0292	ɸ 02A2
3	ɓ 0253	ɣ 0263	ɳ 0273	ʃ 0283	ʒ 0293	ɸ 02A3
4	ɔ 0254	ɤ 0264	ɴ 0274	ʄ 0284	ʑ 0294	ɸ 02A4
5	ɛ 0255	ɥ 0265	ɵ 0275	ɹ 0285	ɸ 0295	ɸ 02A5
6	ɸ 0256	ɦ 0266	æ 0276	ɹ 0286	ɸ 0296	ɸ 02A6
7	ɸ 0257	ɦ 0267	ω 0277	ɹ 0287	ɸ 0297	ɸ 02A7
8	ə 0258	ɨ 0268	ɸ 0278	ɸ 0288	ɸ 0298	ɸ 02A8
9	ə 0259	ɹ 0269	ɹ 0279	ɸ 0289	ɸ 0299	ɸ 02A9
A	æ 025A	ɹ 026A	ɹ 027A	ɸ 028A	ɸ 029A	ɸ 02AA
B	ɛ 025B	ɸ 026B	ɸ 027B	ɸ 028B	ɸ 029B	ɸ 02AB
C	ɸ 025C	ɸ 026C	ɸ 027C	ɸ 028C	ɸ 029C	ɸ 02AC
D	ɸ 025D	ɸ 026D	ɸ 027D	ɸ 028D	ɸ 029D	ɸ 02AD
E	ɸ 025E	ɸ 026E	ɸ 027E	ɸ 028E	ɸ 029E	ɸ 02AE
F	ɸ 025F	ɸ 026F	ɸ 027F	ɸ 028F	ɸ 029F	ɸ 02AF

IPA extensions

IPA includes basic Latin letters and a number of Latin or Greek letters from other blocks.

- 00E6 æ latin small letter ae
- 00E7 ċ latin small letter c with cedilla
- 00F0 ð latin small letter eth
- 00F8 ø latin small letter o with stroke
- 0127 ħ latin small letter h with stroke
- 014B ɲ latin small letter eng
- 0153 œ latin small ligature oe
- 03B2 β greek small letter beta
- 03B8 θ greek small letter theta
- 03BB λ greek small letter lamda
- 03C7 χ greek small letter chi
- 0250 ɐ **LATIN SMALL LETTER TURNED A**
 - low central unrounded vowel
 - uppercase is 2C6F Ǟ
- 0251 ɑ **LATIN SMALL LETTER ALPHA**
 - = latin small letter script a (1.0)
 - low back unrounded vowel
 - uppercase is 2C6D Ǻ
 - 03B1 α greek small letter alpha
- 0252 ɒ **LATIN SMALL LETTER TURNED ALPHA**
 - low back rounded vowel
 - uppercase is 2C70 Ǣ
 - AB64 ɑ latin small letter inverted alpha
- 0253 ɸ **LATIN SMALL LETTER B WITH HOOK**
 - implosive bilabial stop
 - Pan-Nigerian alphabet
 - uppercase is 0181 Ɓ
- 0254 ɔ̥ **LATIN SMALL LETTER OPEN O**
 - typographically a turned c
 - lower-mid back rounded vowel
 - in older Danish usage “ɔ̥” means “that is”
 - uppercase is 0186 Ɔ
- 0255 ɕ **LATIN SMALL LETTER C WITH CURL**
 - voiceless alveolo-palatal laminal fricative
 - used in transcription of Mandarin Chinese
 - sound spelled with 015B ʃ in Polish
- 0256 ɖ **LATIN SMALL LETTER D WITH TAIL**
 - = d retroflex hook
 - voiced retroflex stop
 - uppercase is 0189 Ɗ
- 0257 ɗ **LATIN SMALL LETTER D WITH HOOK**
 - implosive dental or alveolar stop
 - Ewe, Pan-Nigerian alphabet
 - uppercase is 018A Ɗ
- 0258 ɘ **LATIN SMALL LETTER REVERSED E**
 - upper-mid central unrounded vowel
- 0259 ə **LATIN SMALL LETTER SCHWA**
 - mid-central unrounded vowel
 - uppercase is 018F Ǝ
 - variant uppercase form 018E Ǝ is associated with 01DD ǝ
 - 01DD ǝ latin small letter turned e
 - 04D9 ə cyrillic small letter schwa
- 025A ɶ **LATIN SMALL LETTER SCHWA WITH HOOK**
 - rhotacized schwa

- 025B ɛ **LATIN SMALL LETTER OPEN E**
 - = epsilon
 - lower-mid front unrounded vowel
 - uppercase is 0190 Ǝ
 - 03B5 ε greek small letter epsilon
- 025C ɜ **LATIN SMALL LETTER REVERSED OPEN E**
 - lower-mid central unrounded vowel
 - uppercase is A7AB Ʒ
- 025D ɜ̥ **LATIN SMALL LETTER REVERSED OPEN E WITH HOOK**
 - rhotacized lower-mid central vowel
- 025E ɜ̥ **LATIN SMALL LETTER CLOSED REVERSED OPEN E**
 - = closed reversed epsilon
 - lower-mid central rounded vowel
- 025F ɟ **LATIN SMALL LETTER DOTLESS J WITH STROKE**
 - voiced palatal stop
 - typographically a turned f, but better thought of as a form of j
 - “gy” in Hungarian orthography
 - also archaic phonetic for palatoalveolar affricate
 - 02A4 ɟ͡ʝ
- 0260 ɡ̞ **LATIN SMALL LETTER G WITH HOOK**
 - implosive velar stop
 - uppercase is 0193 Ɠ
- 0261 ɡ̊ **LATIN SMALL LETTER SCRIPT G**
 - voiced velar stop
 - uppercase is A7AC Ɠ
 - 0067 ɡ latin small letter g
- 0262 ɠ **LATIN LETTER SMALL CAPITAL G**
 - voiced uvular stop
- 0263 ɣ **LATIN SMALL LETTER GAMMA**
 - voiced velar fricative
 - uppercase is 0194 Ƴ
 - 03B3 γ greek small letter gamma
- 0264 ɣ̥ **LATIN SMALL LETTER RAMS HORN**
 - = latin small letter baby gamma (1.0)
 - upper-mid back unrounded vowel
- 0265 ɥ **LATIN SMALL LETTER TURNED H**
 - voiced rounded palatal approximant
 - uppercase is A78D Ƨ
- 0266 ɦ̥ **LATIN SMALL LETTER H WITH HOOK**
 - breathy-voiced glottal fricative
 - uppercase is A7AA Ƨ
 - uppercase in Nawdm is 0124 ɦ̥
 - 02B1 ɦ̥ modifier letter small h with hook
- 0267 ɦ̥ **LATIN SMALL LETTER HENG WITH HOOK**
 - voiceless coarticulated velar and palatoalveolar fricative
 - “sj” in some Swedish dialects
- 0268 ɨ̥ **LATIN SMALL LETTER I WITH STROKE**
 - = barred i, i bar
 - high central unrounded vowel
 - uppercase is 0197 Ǝ
 - ISO 6438 gives lowercase of 0197 as 026A, not 0268
- 0269 ɪ̥ **LATIN SMALL LETTER IOTA**
 - semi-high front unrounded vowel
 - obsoleted by IPA in 1989
 - preferred use is 026A ɪ latin letter small capital i
 - uppercase is 0196 ɪ̥
 - 03B9 ι greek small letter iota

026A	ɪ	LATIN LETTER SMALL CAPITAL I • semi-high front unrounded vowel • preferred IPA alternate for 0269 ɪ • uppercase is A7AE I • glyph should have top and bottom serifs even in sans serif IPA font designs, to avoid confusion with lowercase i	027C	ɾ	LATIN SMALL LETTER R WITH LONG LEG • voiced strident apico-alveolar trill • obsoleted by IPA in 1989 • sound spelled with 0159 ř in Czech • preferred phonetic representation for Czech is 0072 r 031D ɾ • in current use in Gaelic types (as glyph variant of 0072 r)
026B	ɭ	LATIN SMALL LETTER L WITH MIDDLE TILDE • velarized voiced alveolar lateral approximant • uppercase is 2C62 ɭ	027D	ɽ	LATIN SMALL LETTER R WITH TAIL • voiced retroflex flap • uppercase is 2C64 ɽ
026C	ɮ	LATIN SMALL LETTER L WITH BELT • voiceless alveolar lateral fricative • uppercase is A7AD ɮ	027E	ɹ	LATIN SMALL LETTER R WITH FISHHOOK • voiced alveolar flap or tap
026D	ɭ	LATIN SMALL LETTER L WITH RETROFLEX HOOK • voiced retroflex lateral	027F	ɿ	LATIN SMALL LETTER REVERSED R WITH FISHHOOK = long leg turned iota (a misnomer) • apical dental vowel • used by linguists working on Chinese and other Sino-Tibetan languages • IPA spelling - 007A z 0329 ɿ • preferred presentation is with a descender
026E	ɮ	LATIN SMALL LETTER LEZH • voiced lateral fricative • “dhl” in Zulu orthography	0280	ɹ	LATIN LETTER SMALL CAPITAL R • voiced uvular trill • Germanic, Old Norse • uppercase is 01A6 R
026F	ɯ	LATIN SMALL LETTER TURNED M • high back unrounded vowel • uppercase is 019C ɯ	0281	ɻ	LATIN LETTER SMALL CAPITAL INVERTED R • voiced uvular fricative or approximant → 02B6 ɻ modifier letter small capital inverted r
0270	ɯ	LATIN SMALL LETTER TURNED M WITH LONG LEG • voiced velar approximant	0282	ɿ	LATIN SMALL LETTER S WITH HOOK • voiceless retroflex fricative • uppercase is A7C5 ɿ
0271	ɱ	LATIN SMALL LETTER M WITH HOOK • voiced labiodental nasal • uppercase is 2C6E ɱ	0283	ʃ	LATIN SMALL LETTER ESH • voiceless postalveolar fricative • uppercase is 01A9 Σ → 222B ʃ integral
0272	ɲ	LATIN SMALL LETTER N WITH LEFT HOOK • voiced palatal nasal • uppercase is 019D ɲ	0284	ʃ	LATIN SMALL LETTER DOTLESS J WITH STROKE AND HOOK • implosive palatal stop • typographically based on 025F ɟ, not on 0283 ʃ
0273	ɳ	LATIN SMALL LETTER N WITH RETROFLEX HOOK • voiced retroflex nasal	0285	ɿ	LATIN SMALL LETTER SQUAT REVERSED ESH • apical retroflex vowel • used by linguists working on Chinese and other Sino-Tibetan languages • IPA spelling - 0290 ɿ 0329 ɿ • in origin 027F ɿ plus the retroflex hook 0322 ɿ, despite its name • preferred presentation is with a descender
0274	ɳ	LATIN LETTER SMALL CAPITAL N • voiced uvular nasal	0286	ɿ	LATIN SMALL LETTER ESH WITH CURL • palatalized voiceless postalveolar fricative • suggested spelling - 0283 ɿ 02B2 ɿ
0275	ø	LATIN SMALL LETTER BARRED O = o bar • rounded mid-central vowel, i.e. rounded schwa • uppercase is 019F Θ → 03B8 θ greek small letter theta → 0473 Ѡ cyrillic small letter fita → 04E9 Ѳ cyrillic small letter barred o	0287	ɿ	LATIN SMALL LETTER TURNED T • dental click (sound of “tsk tsk”) • uppercase is A7B1 ɿ → 01C0 I latin letter dental click
0276	œ	LATIN LETTER SMALL CAPITAL OE • low front rounded vowel → 0153 œ latin small ligature oe	0288	ɿ	LATIN SMALL LETTER T WITH RETROFLEX HOOK • voiceless retroflex stop • uppercase is 01AE ɿ
0277	ω	LATIN SMALL LETTER CLOSED OMEGA • semi-high back rounded vowel • obsoleted by IPA in 1989 • preferred use is 028A υ latin small letter upsilon → AB65 Ω greek letter small capital omega	0289	ɯ	LATIN SMALL LETTER U BAR • high central rounded vowel • uppercase is 0244 ɯ → 1D7E ɯ latin small capital letter u with stroke
0278	φ	LATIN SMALL LETTER PHI • voiceless bilabial fricative → 03C6 φ greek small letter phi			
0279	ɹ	LATIN SMALL LETTER TURNED R • voiced alveolar approximant → 02B4 ɹ modifier letter small turned r			
027A	ɹ	LATIN SMALL LETTER TURNED R WITH LONG LEG • voiced lateral flap			
027B	ɿ	LATIN SMALL LETTER TURNED R WITH HOOK • voiced retroflex approximant → 02B5 ɿ modifier letter small turned r with hook			

028A

IPA Extensions

02AE

028A	ʊ	LATIN SMALL LETTER UPSILON • semi-high back rounded vowel • preferred IPA alternate to 0277 ɤ • uppercase is 01B1 Ů → 03C5 ʊ greek small letter upsilon
028B	ʋ	LATIN SMALL LETTER V WITH HOOK = latin small letter script v (1.0) • voiced labiodental approximant • uppercase is 01B2 Ů → 03C5 ʋ greek small letter upsilon
028C	Λ	LATIN SMALL LETTER TURNED V = caret, wedge • lower-mid back unrounded vowel • uppercase is 0245 Λ → 039B Λ greek capital letter lamda → 2038 Λ caret → 2227 Λ logical and
028D	ʌ	LATIN SMALL LETTER TURNED W • voiceless rounded labiovelar approximant → AB69 ʌ modifier letter small turned w
028E	ʌ̥	LATIN SMALL LETTER TURNED Y • voiced lateral approximant
028F	ʏ	LATIN LETTER SMALL CAPITAL Y • semi-high front rounded vowel
0290	ʐ	LATIN SMALL LETTER Z WITH RETROFLEX HOOK • voiced retroflex fricative
0291	ʐ̣	LATIN SMALL LETTER Z WITH CURL • voiced alveolo-palatal laminal fricative • sound spelled with 017A ʐ̣ in Polish
0292	ʒ	LATIN SMALL LETTER EZH = dram • voiced postalveolar fricative • mistakenly named yogh in Unicode 1.0 • uppercase is 01B7 Ʒ • Skolt Sami → 021D ʒ latin small letter yogh → 04E1 ʒ cyrillic small letter abkhassian dze → 2125 ʒ ounce sign → 1F772 ʒ alchemical symbol for half dram
0293	ʒ̣	LATIN SMALL LETTER EZH WITH CURL • palatalized voiced postalveolar fricative
0294	ʔ	LATIN LETTER GLOTTAL STOP • this is a caseless letter • used in IPA, other phonetic notations, and those orthographies which use a caseless glottal stop → 0241 ʔ latin capital letter glottal stop → 02C0 ʔ modifier letter glottal stop
0295	ʕ	LATIN LETTER PHARYNGEAL VOICED FRICATIVE = reversed glottal stop • voiced pharyngeal fricative • ain → 01B9 ʕ latin small letter ezh reversed → 02C1 ʕ modifier letter reversed glottal stop
0296	ʙ	LATIN LETTER INVERTED GLOTTAL STOP • lateral click → 01C1 ʙ latin letter lateral click
0297	ʑ	LATIN LETTER STRETCHED C • palatal (or alveolar) click → 01C3 ʑ latin letter retroflex click → 2201 ʑ complement

0298	⦿	LATIN LETTER BILABIAL CLICK = bullseye → 2299 ⦿ circled dot operator
0299	ʙ	LATIN LETTER SMALL CAPITAL B • bilabial trill
029A	ɐ̥	LATIN SMALL LETTER CLOSED OPEN E = closed epsilon • lower-mid front rounded vowel • non-IPA alternate for the preferred 0153 œ
029B	ɢ	LATIN LETTER SMALL CAPITAL G WITH HOOK • voiced uvular implosive
029C	ɦ	LATIN LETTER SMALL CAPITAL H • voiceless epiglottal fricative → 1D34 ɦ modifier letter capital h → A7F8 ɦ modifier letter capital h with stroke
029D	ɟ̥	LATIN SMALL LETTER J WITH CROSSED-TAIL • voiced palatal fricative • uppercase is A7B2 Ȟ
029E	ɟ̥	LATIN SMALL LETTER TURNED K • proposed for velar click • uppercase is A7B0 ȶ • withdrawn by IPA in 1970
029F	ʟ	LATIN LETTER SMALL CAPITAL L • velar lateral approximant
02A0	q̥	LATIN SMALL LETTER Q WITH HOOK • voiceless uvular implosive
02A1	ʔ̥	LATIN LETTER GLOTTAL STOP WITH STROKE • voiced epiglottal stop
02A2	ʔ̥	LATIN LETTER REVERSED GLOTTAL STOP WITH STROKE • voiced epiglottal fricative
02A3	ɖ̥	LATIN SMALL LETTER DZ DIGRAPH • voiced dental affricate → AB66 ɖ̥ latin small letter dz digraph with retroflex hook
02A4	ɖ̥	LATIN SMALL LETTER DEZH DIGRAPH • voiced postalveolar affricate
02A5	ɖ̥	LATIN SMALL LETTER DZ DIGRAPH WITH CURL • voiced alveolo-palatal affricate
02A6	ʈ̥	LATIN SMALL LETTER TS DIGRAPH • voiceless dental affricate → AB67 ʈ̥ latin small letter ts digraph with retroflex hook
02A7	ʈ̥	LATIN SMALL LETTER TESH DIGRAPH • voiceless postalveolar affricate
02A8	ʈ̥	LATIN SMALL LETTER TC DIGRAPH WITH CURL • voiceless alveolo-palatal affricate

IPA characters for disordered speech

02A9	ɸ̥	LATIN SMALL LETTER FENG DIGRAPH • velopharyngeal fricative
02AA	ɸ̥	LATIN SMALL LETTER LS DIGRAPH • lateral alveolar fricative (lisp)
02AB	ɸ̥	LATIN SMALL LETTER LZ DIGRAPH • voiced lateral alveolar fricative
02AC	ɸ̥	LATIN LETTER BILABIAL PERCUSSIVE • audible lip smack
02AD	ɸ̥	LATIN LETTER BIDENTAL PERCUSSIVE • audible teeth gnashing

Additions for Sinology

02AE	ɸ̥	LATIN SMALL LETTER TURNED H WITH FISHHOOK
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02AF ʘ LATIN SMALL LETTER TURNED H WITH
FISHHOOK AND TAIL

	060	061	062	063	064	065	066	067	068	069	06A	06B	06C	06D	06E	06F
0		ا	ب	ج	د	هـ	و	ز	ح	ط	ي	ك	ل	م	ن	هـ
1		آ	أ	إ	أ	أ	أ	أ	أ	أ	أ	أ	أ	أ	أ	أ
2		أ	أ	أ	أ	أ	أ	أ	أ	أ	أ	أ	أ	أ	أ	أ
3		أ	أ	أ	أ	أ	أ	أ	أ	أ	أ	أ	أ	أ	أ	أ
4		أ	أ	أ	أ	أ	أ	أ	أ	أ	أ	أ	أ	أ	أ	أ
5		أ	أ	أ	أ	أ	أ	أ	أ	أ	أ	أ	أ	أ	أ	أ
6		أ	أ	أ	أ	أ	أ	أ	أ	أ	أ	أ	أ	أ	أ	أ
7		أ	أ	أ	أ	أ	أ	أ	أ	أ	أ	أ	أ	أ	أ	أ
8		أ	أ	أ	أ	أ	أ	أ	أ	أ	أ	أ	أ	أ	أ	أ
9		أ	أ	أ	أ	أ	أ	أ	أ	أ	أ	أ	أ	أ	أ	أ
A		أ	أ	أ	أ	أ	أ	أ	أ	أ	أ	أ	أ	أ	أ	أ
B		أ	أ	أ	أ	أ	أ	أ	أ	أ	أ	أ	أ	أ	أ	أ
C			أ	أ	أ	أ	أ	أ	أ	أ	أ	أ	أ	أ	أ	أ
D			أ	أ	أ	أ	أ	أ	أ	أ	أ	أ	أ	أ	أ	أ
E		أ	أ	أ	أ	أ	أ	أ	أ	أ	أ	أ	أ	أ	أ	أ
F		أ	أ	أ	أ	أ	أ	أ	أ	أ	أ	أ	أ	أ	أ	أ

Subtending marks

- 0600  ARABIC NUMBER SIGN
 0601  ARABIC SIGN SANAH
 0602  ARABIC FOOTNOTE MARKER
 0603  ARABIC SIGN SAFHA
 0604  ARABIC SIGN SAMVAT
 • used for writing Samvat era dates in Urdu

Supertending mark

- 0605  ARABIC NUMBER MARK ABOVE
 • may be used with Coptic Epact numbers

Radix symbols

- 0606  ARABIC-INDIC CUBE ROOT
 → 221B  cube root
 0607  ARABIC-INDIC FOURTH ROOT
 → 221C  fourth root

Letterlike symbol

- 0608  ARABIC RAY

Punctuation

- 0609  ARABIC-INDIC PER MILLE SIGN
 → 2030  per mille sign
 060A  ARABIC-INDIC PER TEN THOUSAND SIGN
 → 2031  per ten thousand sign

Currency symbol

- 060B  AFGHANI SIGN

Punctuation

- 060C  ARABIC COMMA
 • also used with Thaana and Syriac in modern text
 → 002C  comma
 → 2E32  turned comma
 → 2E41  reversed comma
 060D  ARABIC DATE SEPARATOR

Poetic marks

- 060E  ARABIC POETIC VERSE SIGN
 060F  ARABIC SIGN MISRA

Honorifics

- 0610  ARABIC SIGN SALLALLAHOU ALAYHE WASSALLAM
 • represents sallallahu alayhe wasallam "may God's peace and blessings be upon him"
 0611  ARABIC SIGN ALAYHE ASSALLAM
 • represents alayhe assalam "upon him be peace"
 → FD47  arabic ligature alayhi as-salaam
 0612  ARABIC SIGN RAHMATULLAH ALAYHE
 • represents rahmatullah alayhe "may God have mercy upon him"
 → FD40  arabic ligature rahimahu allaah
 0613  ARABIC SIGN RADI ALLAHOU ANHU
 • represents radi allahu 'anhu "may God be pleased with him"
 → FD41  arabic ligature radi allaahu anh
 0614  ARABIC SIGN TAKHALLUS
 • sign placed over the name or nom-de-plume of a poet, or in some writings used to mark all proper names

Quranic annotation sign

- 0615  ARABIC SMALL HIGH TAH
 • marks a recommended pause position in some Qurans published in Iran and Pakistan
 • should not be confused with the small TAH sign used as a diacritic for some letters such as 0679 

Extended Arabic mark

- 0616  ARABIC SMALL HIGH LIGATURE ALEF WITH LAM WITH YE
 × ARABIC SMALL HIGH LIGATURE ALEF WITH YE
 BARREE
 • early Persian

Quranic annotation signs

- 0617  ARABIC SMALL HIGH ZAIN
 0618  ARABIC SMALL FATHA
 • should not be confused with 064E  FATHA
 0619  ARABIC SMALL DAMMA
 • should not be confused with 064F  DAMMA
 061A  ARABIC SMALL KASRA
 • should not be confused with 0650  KASRA

Punctuation

- 061B  ARABIC SEMICOLON
 • also used with Thaana and Syriac in modern text
 → 003B  semicolon
 → 204F  reversed semicolon
 → 2E35  turned semicolon

Format character

- 061C  ARABIC LETTER MARK
 • commonly abbreviated ALM
 → 200F  right-to-left mark

Punctuation

- 061D  ARABIC END OF TEXT MARK
 061E  ARABIC TRIPLE DOT PUNCTUATION MARK
 061F  ARABIC QUESTION MARK
 • also used with Thaana and Syriac in modern text
 → 003F  question mark
 → 2E2E  reversed question mark

Addition for Kashmiri

- 0620  ARABIC LETTER KASHMIRI YEH

Based on ISO 8859-6

Arabic letter names follow romanization conventions derived from ISO 8859-6. These differ from the Literary Arabic pronunciation of the letter names. For example, 0628 ARABIC LETTER BEH has a Literary Arabic pronunciation of ba'.

- 0621  ARABIC LETTER HAMZA
 → 02BE  modifier letter right half ring
 0622  ARABIC LETTER ALEF WITH MADDA ABOVE
 ≡ 0627  0653 
 0623  ARABIC LETTER ALEF WITH HAMZA ABOVE
 ≡ 0627  0654 
 0624  ARABIC LETTER WAW WITH HAMZA ABOVE
 ≡ 0648  0654 
 0625  ARABIC LETTER ALEF WITH HAMZA BELOW
 ≡ 0627  0655 

0626	ئ	ARABIC LETTER YEH WITH HAMZA ABOVE
		• in Kyrgyz the hamza is consistently positioned to the top right in isolate and final forms ≡ 064A ي 0654 ُ
0627	ا	ARABIC LETTER ALEF
0628	ب	ARABIC LETTER BEH
0629	ة	ARABIC LETTER TEH MARBUTA
062A	ت	ARABIC LETTER TEH
062B	ث	ARABIC LETTER THEH
062C	ج	ARABIC LETTER JEEM
062D	ح	ARABIC LETTER HAH
062E	خ	ARABIC LETTER KHAH
062F	د	ARABIC LETTER DAL
0630	ذ	ARABIC LETTER THAL
0631	ر	ARABIC LETTER REH
0632	ز	ARABIC LETTER ZAIN
0633	س	ARABIC LETTER SEEN
0634	ش	ARABIC LETTER SHEEN
0635	ص	ARABIC LETTER SAD
0636	ض	ARABIC LETTER DAD
0637	ط	ARABIC LETTER TAH
0638	ظ	ARABIC LETTER ZAH
0639	ع	ARABIC LETTER AIN
		→ 01B9 ع latin small letter ezh reversed → 02BF ʿ modifier letter left half ring
063A	غ	ARABIC LETTER GHAIN

Additions for early Persian and Azerbaijani

063B	ک	ARABIC LETTER KEHEH WITH TWO DOTS ABOVE
063C	ک	ARABIC LETTER KEHEH WITH THREE DOTS BELOW
063D	ئ	ARABIC LETTER FARSI YEH WITH INVERTED V
		• Azerbaijani
063E	ی	ARABIC LETTER FARSI YEH WITH TWO DOTS ABOVE
063F	ی	ARABIC LETTER FARSI YEH WITH THREE DOTS ABOVE

Based on ISO 8859-6

0640	.	ARABIC TATWEEL
		= kashida
		• inserted to stretch characters or to carry tashkil with no base letter
		• also used with Adlam, Hanifi Rohingya, Mandaic, Manichaeen, Psalter Pahlavi, Sogdian, and Syriac
0641	ف	ARABIC LETTER FEH
0642	ق	ARABIC LETTER QAF
0643	ك	ARABIC LETTER KAF
0644	ل	ARABIC LETTER LAM
0645	م	ARABIC LETTER MEEM
		• Sindhi uses a shape with a short tail
0646	ن	ARABIC LETTER NOON
0647	ه	ARABIC LETTER HEH
0648	و	ARABIC LETTER WAW
0649	ى	ARABIC LETTER ALEF MAKSURA
		• represents YEH-shaped dual-joining letter with no dots in any positional form
		• not intended for use in combination with 0654 ُ
		→ 0626 ئ arabic letter yeh with hamza above

064A	ي	ARABIC LETTER YEH
		• loses its dots when used in combination with 0654 ُ
		• retains its dots when used in combination with other combining marks
		→ 08A8 ی arabic letter yeh with two dots below and hamza above

Tashkil from ISO 8859-6

064B	ف	ARABIC FATHATAN
064C	و	ARABIC DAMMATAN
		• a common alternative form is written as two intertwined dammas, one of which is turned 180 degrees
064D	و	ARABIC KASRATAN
064E	ا	ARABIC FATHA
064F	و	ARABIC DAMMA
0650	ا	ARABIC KASRA
0651	و	ARABIC SHADDA
0652	و	ARABIC SUKUN
		• marks absence of a vowel after the base consonant
		• used in some Qurans to mark a long vowel as ignored
		• can have a variety of shapes, including a circular one and a shape that looks like 'و'
		→ 06E1 َ arabic small high dotless head of khah

Combining maddah and hamza

0653	و	ARABIC MADDAAH ABOVE
		• used for madd jaa'iz in South Asian and Indonesian orthographies
		→ 089C َ arabic madda waajib
		→ 089E َ arabic doubled madda
		→ 089F َ arabic half madda over madda
0654	ا	ARABIC HAMZA ABOVE
		• restricted to hamza and ezafe semantics
		• is not used as a diacritic to form new letters
0655	و	ARABIC HAMZA BELOW

Other combining marks

0656	و	ARABIC SUBSCRIPT ALEF
0657	و	ARABIC INVERTED DAMMA
		= ulta pesh
		• Kashmiri, Urdu
0658	و	ARABIC MARK NOON GHUNNA
		• Baluchi
		• indicates nasalization in Urdu
0659	و	ARABIC ZWARAKAY
		• Pashto
065A	و	ARABIC VOWEL SIGN SMALL V ABOVE
		• African languages
065B	و	ARABIC VOWEL SIGN INVERTED SMALL V ABOVE
		• African languages
065C	و	ARABIC VOWEL SIGN DOT BELOW
		• African languages
		• also used in Quranic text in African and other orthographies
065D	و	ARABIC REVERSED DAMMA
		• African languages
065E	و	ARABIC FATHA WITH TWO DOTS
		• Kalami
065F	و	ARABIC WAVY HAMZA BELOW
		• Kashmiri

Arabic-Indic digits

These digits are used with Arabic proper; for languages of Iran, Afghanistan, Pakistan, and India, see the Eastern Arabic-Indic digits at 06F0-06F9.

0660	٠	ARABIC-INDIC DIGIT ZERO
0661	١	ARABIC-INDIC DIGIT ONE
0662	٢	ARABIC-INDIC DIGIT TWO
0663	٣	ARABIC-INDIC DIGIT THREE
0664	٤	ARABIC-INDIC DIGIT FOUR
0665	٥	ARABIC-INDIC DIGIT FIVE
0666	٦	ARABIC-INDIC DIGIT SIX
0667	٧	ARABIC-INDIC DIGIT SEVEN
0668	٨	ARABIC-INDIC DIGIT EIGHT
0669	٩	ARABIC-INDIC DIGIT NINE

Punctuation

066A	٪	ARABIC PERCENT SIGN → 0025 % percent sign
066B	٫	ARABIC DECIMAL SEPARATOR
066C	’	ARABIC THOUSANDS SEPARATOR → 0027 ' apostrophe → 2019 ’ right single quotation mark
066D	★	ARABIC FIVE POINTED STAR • appearance rather variable → 002A * asterisk

Archaic letters

066E	ﺀ	ARABIC LETTER DOTLESS BEH
066F	ﻖ	ARABIC LETTER DOTLESS QAF

Tashkil

0670	ﺀ	ARABIC LETTER SUPERScript ALEF • actually a vowel sign, despite the name
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Extended Arabic letters

0671	ﺀ	ARABIC LETTER ALEF WASLA • Quranic Arabic
0672	ﺀ	ARABIC LETTER ALEF WITH WAVY HAMZA ABOVE • Baluchi, Kashmiri

Deprecated letter

0673	ﺀ	ARABIC LETTER ALEF WITH WAVY HAMZA BELOW • Kashmiri • this character is deprecated and its use is strongly discouraged • use the sequence 0627 ٲ 065F ٲ instead
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High hamza

0674	ﺀ	ARABIC LETTER HIGH HAMZA • Kazakh, Jawi • forms digraphs
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Digraphic letters for Kazakh

These characters were encoded for Kazakh digraphs, but their compatibility decompositions do not reflect the preferred order of representation. Accordingly, the representation of these Kazakh digraphs should instead use the preferred two-character spellings with the correct order of elements.

0675	ﺀ	ARABIC LETTER HIGH HAMZA ALEF • preferred spelling is 0674 ـ 0627 ٲ ≈ 0627 ٲ 0674 ـ
0676	ﺀ	ARABIC LETTER HIGH HAMZA WAW • preferred spelling is 0674 ـ 0648 ٲ ≈ 0648 ٲ 0674 ـ

0677	ﺀ	ARABIC LETTER U WITH HAMZA ABOVE • preferred spelling is 0674 ـ 06C7 ٲ ≈ 06C7 ٲ 0674 ـ
0678	ﺀ	ARABIC LETTER HIGH HAMZA YEH • preferred spelling is 0674 ـ 0649 ٲ ≈ 064A ٲ 0674 ـ

Extended Arabic letters

0679	ﺀ	ARABIC LETTER TTEH • Urdu
067A	ﺀ	ARABIC LETTER TTEHEH • Sindhi
067B	ﺀ	ARABIC LETTER BEEH • Sindhi
067C	ﺀ	ARABIC LETTER TEH WITH RING • Pashto
067D	ﺀ	ARABIC LETTER TEH WITH THREE DOTS ABOVE DOWNWARDS • Sindhi
067E	ﺀ	ARABIC LETTER PEH • Persian, Urdu, ...
067F	ﺀ	ARABIC LETTER TEHEH • Sindhi
0680	ﺀ	ARABIC LETTER BEHEH • Sindhi
0681	ﺀ	ARABIC LETTER HAH WITH HAMZA ABOVE • Pashto • represents the phoneme /dz/
0682	ﺀ	ARABIC LETTER HAH WITH TWO DOTS VERTICAL ABOVE • not used in modern Pashto
0683	ﺀ	ARABIC LETTER NYEH • Sindhi
0684	ﺀ	ARABIC LETTER DYEh • Sindhi, Bosnian
0685	ﺀ	ARABIC LETTER HAH WITH THREE DOTS ABOVE • Pashto, Khwarazmian • represents the phoneme /ts/ in Pashto
0686	ﺀ	ARABIC LETTER TCHEH • Persian, Urdu, ...
0687	ﺀ	ARABIC LETTER TCHEHEH • Sindhi
0688	ﺀ	ARABIC LETTER DDAL • Urdu
0689	ﺀ	ARABIC LETTER DAL WITH RING • Pashto
068A	ﺀ	ARABIC LETTER DAL WITH DOT BELOW • Sindhi, early Persian, Pegon, Malagasy
068B	ﺀ	ARABIC LETTER DAL WITH DOT BELOW AND SMALL TAH • Lahnda
068C	ﺀ	ARABIC LETTER DAHAL • Sindhi
068D	ﺀ	ARABIC LETTER DDAHAL • Sindhi
068E	ﺀ	ARABIC LETTER DUL • older shape for DUL, now obsolete in Sindhi • Burushaski
068F	ﺀ	ARABIC LETTER DAL WITH THREE DOTS ABOVE DOWNWARDS • Sindhi • current shape used for DUL
0690	ﺀ	ARABIC LETTER DAL WITH FOUR DOTS ABOVE • Old Urdu, not in current use

0691	ﺀ	ARABIC LETTER RREH • Urdu	06AC	ﻙ	ARABIC LETTER KAF WITH DOT ABOVE • use for the Jawi kaf is not recommended, although it may be found in some existing text data; recommended character for Jawi kaf is 0762 ﻙ → 0762 ﻙ arabic letter keheh with dot above
0692	ﺯ	ARABIC LETTER REH WITH SMALL V • Kurdish	06AD	ﻥ	ARABIC LETTER NG • Uyghur, Kazakh, Moroccan Arabic, early Jawi, early Persian, ...
0693	ړ	ARABIC LETTER REH WITH RING • Pashto	06AE	ﻙ	ARABIC LETTER KAF WITH THREE DOTS BELOW • Berber, early Persian • Pegon alternative for 08B4 ﻙ
0694	ر	ARABIC LETTER REH WITH DOT BELOW • Kurdish, early Persian	06AF	ﮒ	ARABIC LETTER GAF • Persian, Urdu, ...
0695	ړ	ARABIC LETTER REH WITH SMALL V BELOW • Kurdish	06B0	ﮒ	ARABIC LETTER GAF WITH RING • Lahnda
0696	ړ	ARABIC LETTER REH WITH DOT BELOW AND DOT ABOVE • Pashto	06B1	ﮒ	ARABIC LETTER NGOEH • Sindhi
0697	ز	ARABIC LETTER REH WITH TWO DOTS ABOVE • Dargwa	06B2	ﮒ	ARABIC LETTER GAF WITH TWO DOTS BELOW • not used in Sindhi
0698	ژ	ARABIC LETTER JEH • Persian, Urdu, ...	06B3	ﮒ	ARABIC LETTER GUEH • Sindhi
0699	ژ	ARABIC LETTER REH WITH FOUR DOTS ABOVE • Sindhi	06B4	ﮒ	ARABIC LETTER GAF WITH THREE DOTS ABOVE • not used in Sindhi
069A	ښ	ARABIC LETTER SEEN WITH DOT BELOW AND DOT ABOVE • Pashto	06B5	ﻝ	ARABIC LETTER LAM WITH SMALL V • Kurdish, Bosnian
069B	ښ	ARABIC LETTER SEEN WITH THREE DOTS BELOW • early Persian	06B6	ﻝ	ARABIC LETTER LAM WITH DOT ABOVE • Kurdish
069C	ښ	ARABIC LETTER SEEN WITH THREE DOTS BELOW AND THREE DOTS ABOVE • Moroccan Arabic	06B7	ﻝ	ARABIC LETTER LAM WITH THREE DOTS ABOVE • Kurdish
069D	ص	ARABIC LETTER SAD WITH TWO DOTS BELOW • Turkic	06B8	ﻝ	ARABIC LETTER LAM WITH THREE DOTS BELOW
069E	ض	ARABIC LETTER SAD WITH THREE DOTS ABOVE • Berber, Burushaski	06B9	ﻥ	ARABIC LETTER NOON WITH DOT BELOW
069F	ظ	ARABIC LETTER TAH WITH THREE DOTS ABOVE • Old Hausa	06BA	ﻥ	ARABIC LETTER NOON GHUNNA • Urdu, archaic Arabic • dotless in all four contextual forms
06A0	غ	ARABIC LETTER AIN WITH THREE DOTS ABOVE • Jawi	06BB	ﻥ	ARABIC LETTER RNOON • Sindhi
06A1	ف	ARABIC LETTER DOTLESS FEH • Adighe	06BC	ﻥ	ARABIC LETTER NOON WITH RING • Pashto
06A2	ف	ARABIC LETTER FEH WITH DOT MOVED BELOW • Maghrib Arabic	06BD	ﻥ	ARABIC LETTER NOON WITH THREE DOTS ABOVE • Jawi
06A3	ف	ARABIC LETTER FEH WITH DOT BELOW • Ingush	06BE	ه	ARABIC LETTER HEH DOACHASHMEE • forms aspirate digraphs in Urdu and other languages of South Asia • represents the glottal fricative /h/ in Uyghur
06A4	ف	ARABIC LETTER VEH • Middle Eastern Arabic for foreign words • Kurdish, Khwarazmian, early Persian, Jawi	06BF	ه	ARABIC LETTER TCHEH WITH DOT ABOVE
06A5	ف	ARABIC LETTER FEH WITH THREE DOTS BELOW • North African Arabic for foreign words	06C0	ه	ARABIC LETTER HEH WITH YEH ABOVE = arabic letter hamzah on ha (1.0) • for ezafe, use 0654 ه over the language-appropriate base letter • actually a ligature, not an independent letter ≡ 06D5 ه 0654 ه
06A6	ق	ARABIC LETTER PEHEH • Sindhi	06C1	ه	ARABIC LETTER HEH GOAL • Urdu
06A7	ق	ARABIC LETTER QAF WITH DOT ABOVE • Maghrib Arabic, Uyghur	06C2	ه	ARABIC LETTER HEH GOAL WITH HAMZA ABOVE • Urdu • actually a ligature, not an independent letter ≡ 06C1 ه 0654 ه
06A8	ق	ARABIC LETTER QAF WITH THREE DOTS ABOVE • Tunisian Arabic	06C3	ه	ARABIC LETTER TEH MARBUTA GOAL • Urdu
06A9	ک	ARABIC LETTER KEHEH = kaf mashkula • Persian, Urdu, Sindhi, ...	06C4	و	ARABIC LETTER WAW WITH RING • Kashmiri
06AA	ڪ	ARABIC LETTER SWASH KAF • represents a letter distinct from Arabic KAF (0643 ك) in Sindhi			
06AB	ک	ARABIC LETTER KAF WITH RING • Pashto • may appear like an Arabic KAF (0643 ك) with a ring below the base			

06C5	ا	ARABIC LETTER KIRGHIZ OE
		• Kyrgyz • a glyph variant occurs which replaces the looped tail with a horizontal bar through the tail
06C6	و	ARABIC LETTER OE
		• Uyghur, Kurdish, Kazakh, Azerbaijani, Bosnian
06C7	ي	ARABIC LETTER U
		• Azerbaijani, Kazakh, Kyrgyz, Uyghur
06C8	ي	ARABIC LETTER YU
		• Uyghur
06C9	ي	ARABIC LETTER KIRGHIZ YU
		• Kazakh, Kyrgyz, Bosnian
06CA	و	ARABIC LETTER WAW WITH TWO DOTS ABOVE
		• Kurdish
06CB	ي	ARABIC LETTER VE
		• Uyghur, Kazakh
06CC	ي	ARABIC LETTER FARSI YEH
		• Arabic, Persian, Urdu, Kashmiri, ... • initial and medial forms of this letter have dots → 0649 ي arabic letter alef maksura → 064A ي arabic letter yeh
06CD	ي	ARABIC LETTER YEH WITH TAIL
		• Pashto, Sindhi
06CE	ي	ARABIC LETTER YEH WITH SMALL V
		• Kurdish
06CF	و	ARABIC LETTER WAW WITH DOT ABOVE
06D0	ي	ARABIC LETTER E
		• Pashto, Uyghur • used as the letter bbeh in Sindhi
06D1	ي	ARABIC LETTER YEH WITH THREE DOTS BELOW
		• Mende languages, Hausa
06D2	ي	ARABIC LETTER YEH BARREE
		• Urdu
06D3	ي	ARABIC LETTER YEH BARREE WITH HAMZA ABOVE
		• Urdu • actually a ligature, not an independent letter ≡ 06D2 ي 0654 ا
Punctuation		
06D4	.	ARABIC FULL STOP
		• Urdu
Extended Arabic letter		
06D5	ا	ARABIC LETTER AE
		• Uyghur, Kazakh, Kyrgyz
Quranic annotation signs		
06D6	ا	ARABIC SMALL HIGH LIGATURE SAD WITH LAM WITH ALEF MAKSURA
06D7	ا	ARABIC SMALL HIGH LIGATURE QAF WITH LAM WITH ALEF MAKSURA
06D8	ا	ARABIC SMALL HIGH MEEM INITIAL FORM
06D9	ا	ARABIC SMALL HIGH LAM ALEF
06DA	ا	ARABIC SMALL HIGH JEEM
06DB	ا	ARABIC SMALL HIGH THREE DOTS
06DC	ا	ARABIC SMALL HIGH SEEN
06DD	ا	ARABIC END OF AYAH
06DE	ا	ARABIC START OF RUB EL HIZB
06DF	ا	ARABIC SMALL HIGH ROUNDED ZERO
		• smaller than the typical circular shape used for 0652 ا

06E0	ا	ARABIC SMALL HIGH UPRIGHT RECTANGULAR ZERO
		• the term "rectangular zero" is a translation of the Arabic name of this sign
06E1	ا	ARABIC SMALL HIGH DOTLESS HEAD OF KHAH
		= Arabic jazm • presentation form of 0652 ا, using font technology to select the variant is preferred • used in some Qurans to mark absence of a vowel → 0652 ا arabic sukun
06E2	ا	ARABIC SMALL HIGH MEEM ISOLATED FORM
06E3	ا	ARABIC SMALL LOW SEEN
06E4	ا	ARABIC SMALL HIGH MADDA
		• typically used with 06E5 ا, 06E6 ا, 06E7 ا, and 08F3 ا
06E5	ا	ARABIC SMALL WAW
		→ 08D3 ا arabic small low waw → 08F3 ا arabic small high waw
06E6	ا	ARABIC SMALL YEH
06E7	ا	ARABIC SMALL HIGH YEH
06E8	ا	ARABIC SMALL HIGH NOON
06E9	ا	ARABIC PLACE OF SAJDAH
		• there is a range of acceptable glyphs for this character
06EA	ا	ARABIC EMPTY CENTRE LOW STOP
06EB	ا	ARABIC EMPTY CENTRE HIGH STOP
06EC	ا	ARABIC ROUNDED HIGH STOP WITH FILLED CENTRE
		• also used in Quranic text in African and other orthographies to represent wasla, ikhtilas, etc.
06ED	ا	ARABIC SMALL LOW MEEM
Extended Arabic letters for Parkari		
06EE	ا	ARABIC LETTER DAL WITH INVERTED V
06EF	ا	ARABIC LETTER REH WITH INVERTED V
		• also used in early Persian

Eastern Arabic-Indic digits

These digits are used with Arabic-script languages of Iran, Pakistan, and India (Persian, Sindhi, Urdu, etc.). For details of variations in preferred glyphs, see the block description for the Arabic script.

06F0	.	EXTENDED ARABIC-INDIC DIGIT ZERO
06F1	١	EXTENDED ARABIC-INDIC DIGIT ONE
06F2	٢	EXTENDED ARABIC-INDIC DIGIT TWO
06F3	٣	EXTENDED ARABIC-INDIC DIGIT THREE
06F4	٤	EXTENDED ARABIC-INDIC DIGIT FOUR
		• Persian has a different glyph than Sindhi and Urdu
06F5	٥	EXTENDED ARABIC-INDIC DIGIT FIVE
		• Persian, Sindhi, and Urdu share glyph different from Arabic
06F6	٦	EXTENDED ARABIC-INDIC DIGIT SIX
		• Persian, Sindhi, and Urdu have glyphs different from Arabic
06F7	٧	EXTENDED ARABIC-INDIC DIGIT SEVEN
		• Urdu and Sindhi have glyphs different from Arabic
06F8	٨	EXTENDED ARABIC-INDIC DIGIT EIGHT
06F9	٩	EXTENDED ARABIC-INDIC DIGIT NINE

Extended Arabic letters

06FA	ش	ARABIC LETTER SHEEN WITH DOT BELOW
06FB	ض	ARABIC LETTER DAD WITH DOT BELOW

06FC غ ARABIC LETTER GHAIN WITH DOT BELOW

Signs for Sindhi

06FD ء ARABIC SIGN SINDHI AMPERSAND

06FE ڙ ARABIC SIGN SINDHI POSTPOSITION MEN

Extended Arabic letter for Parkari

06FF ه ARABIC LETTER HEH WITH INVERTED V

	087	088	089
0	آ 0870	د 0880	ح 0890
1	آ 0871	ك 0881	ح 0891
2	ت 0872	ة 0882	
3	ث 0873	ع 0883	
4	ل 0874	و 0884	
5	ل 0875	ي 0885	
6	أ 0876	ي 0886	
7	ب 0877	• 0887	
8	ب 0878	• 0888	الجز 0898
9	أ 0879	ن 0889	اشمام 0899
A	أ 087A	ح 088A	امالة 089A
B	أ 087B	ط 088B	تسهيل 089B
C	أ 087C	ط 088C	• 089C
D	أ 087D	ك 088D	• 089D
E	ك 087E	• 088E	• 089E
F	ك 087F		• 089F

Additions for Quranic orthographies

0870	ا	ARABIC LETTER ALEF WITH ATTACHED FATHA
0871	أ	ARABIC LETTER ALEF WITH ATTACHED TOP RIGHT FATHA
0872	آ	ARABIC LETTER ALEF WITH RIGHT MIDDLE STROKE
0873	إ	ARABIC LETTER ALEF WITH LEFT MIDDLE STROKE
0874	إِ	ARABIC LETTER ALEF WITH ATTACHED KASRA
0875	أِ	ARABIC LETTER ALEF WITH ATTACHED BOTTOM RIGHT KASRA
0876	أَ	ARABIC LETTER ALEF WITH ATTACHED ROUND DOT ABOVE
0877	أُ	ARABIC LETTER ALEF WITH ATTACHED RIGHT ROUND DOT
0878	أِ	ARABIC LETTER ALEF WITH ATTACHED LEFT ROUND DOT
0879	أَ	ARABIC LETTER ALEF WITH ATTACHED ROUND DOT BELOW
087A	اِ	ARABIC LETTER ALEF WITH DOT ABOVE
087B	أ	ARABIC LETTER ALEF WITH ATTACHED TOP RIGHT FATHA AND DOT ABOVE
087C	آ	ARABIC LETTER ALEF WITH RIGHT MIDDLE STROKE AND DOT ABOVE
087D	إِ	ARABIC LETTER ALEF WITH ATTACHED BOTTOM RIGHT KASRA AND DOT ABOVE
087E	أَ	ARABIC LETTER ALEF WITH ATTACHED TOP RIGHT FATHA AND LEFT RING
087F	إَ	ARABIC LETTER ALEF WITH RIGHT MIDDLE STROKE AND LEFT RING
0880	أِ	ARABIC LETTER ALEF WITH ATTACHED BOTTOM RIGHT KASRA AND LEFT RING
0881	أْ	ARABIC LETTER ALEF WITH ATTACHED RIGHT HAMZA
0882	إْ	ARABIC LETTER ALEF WITH ATTACHED LEFT HAMZA
0883	ء	ARABIC TATWEEL WITH OVERSTRUCK HAMZA
0884	آ	ARABIC TATWEEL WITH OVERSTRUCK WAW
0885	ﺀ	ARABIC TATWEEL WITH TWO DOTS BELOW
0886	يَ	ARABIC LETTER THIN YEH • no final or isolated forms are attested
0887	ـ	ARABIC BASELINE ROUND DOT
0888	ـ	ARABIC RAISED ROUND DOT

Additions for Bosnian orthographies

0889	ن	ARABIC LETTER NOON WITH INVERTED SMALL V
088A	ه	ARABIC LETTER HAH WITH INVERTED SMALL V BELOW

Additions for Pegon orthographies

088B	ط	ARABIC LETTER TAH WITH DOT BELOW • Pegon, Malagasy
088C	ڤ	ARABIC LETTER TAH WITH THREE DOTS BELOW • Pegon alternative for 088B ط
088D	ڪ	ARABIC LETTER KEHEH WITH TWO DOTS VERTICALLY BELOW • Sundanese Pegon

Abbreviation mark

088E	ARABIC VERTICAL TAIL - mark used to indicate abbreviations in early movable type texts from Iran - only attested in final form
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Supertending currency symbols

0890		ARABIC POUND MARK ABOVE • Egyptian pound
0891		ARABIC PIASTRE MARK ABOVE • Egyptian piastre

Additions for Quranic orthographies

0898	ا	ARABIC SMALL HIGH WORD AL-JUZ
0899	آ	ARABIC SMALL LOW WORD ISHMAAM
089A	إ	ARABIC SMALL LOW WORD IMAALA
089B	آ	ARABIC SMALL LOW WORD TASHEEL
089C	و	ARABIC MADDA WAAJIB → 0653 و arabic maddah above
089D	أ	ARABIC SUPERScript ALEF MOKHASSAS
089E	و	ARABIC DOUBLED MADDA
089F	و	ARABIC HALF MADDA OVER MADDA

	08A	08B	08C	08D	08E	08F
0	ب 08A0	گ 08B0	ط 08C0	◌ْ 08D0	◌َ 08E0	◌ِ 08F0
1	بْ 08A1	و 08B1	چ 08C1	◌ِ 08D1	◌ِ 08E1	◌ِ 08F1
2	تج 08A2	ژ 08B2	ک 08C2	◌ِ 08D2	◌ِ 08E2	◌ِ 08F2
3	ظ 08A3	ع 08B3	غ 08C3	◌ِ 08D3	◌ِ 08E3	◌ِ 08F3
4	قب 08A4	ك 08B4	ق 08C4	الربع 08D4	◌ِ 08E4	◌ِ 08F4
5	ق 08A5	و 08B5	خ 08C5	ص 08D5	◌ِ 08E5	◌ِ 08F5
6	ث 08A6	بْ 08B6	چ 08C6	ع 08D6	◌ِ 08E6	◌ِ 08F6
7	ثم 08A7	پْ 08B7	ط 08C7	ق 08D7	◌ِ 08E7	◌ِ 08F7
8	ئي 08A8	ت 08B8	گی 08C8	نْ 08D8	◌ِ 08E8	◌ِ 08F8
9	ني 08A9	رْ 08B9	ی 08C9	نْ 08D9	◌ِ 08E9	◌ِ 08F9
A	ر 08AA	ني 08BA	ی 08CA	الثالثة 08DA	◌ِ 08EA	◌ِ 08FA
B	و 08AB	ف 08BB	ی 08CB	السجدة 08DB	◌ِ 08EB	◌ِ 08FB
C	ي 08AC	و 08BC	◌ِ 08CC	النصف 08DC	◌ِ 08EC	◌ِ 08FC
D	ا 08AD	و 08BD	ظ 08CD	سكتة 08DD	◌ِ 08ED	◌ِ 08FD
E	پ 08AE	پْ 08BE	◌ِ 08CE	قف 08DE	◌ِ 08EE	◌ِ 08FE
F	چی 08AF	نْ 08BF	◌ِ 08CF	وقفة 08DF	◌ِ 08EF	◌ِ 08FF

Arabic letters for African languages

- 08A0 ب ARABIC LETTER BEH WITH SMALL V BELOW
- 08A1 بھ ARABIC LETTER BEH WITH HAMZA ABOVE
- Adamawa Fulfulde (Cameroon)
 - used for the implosive bilabial stop
 - 0253 ɓ latin small letter b with hook
- 08A2 جھ ARABIC LETTER JEEM WITH TWO DOTS ABOVE
- 08A3 طھ ARABIC LETTER TAH WITH TWO DOTS ABOVE
- 08A4 فھ ARABIC LETTER FEH WITH DOT BELOW AND THREE DOTS ABOVE
- 08A5 قھ ARABIC LETTER QAF WITH DOT BELOW
- 08A6 لھ ARABIC LETTER LAM WITH DOUBLE BAR
- 08A7 مھ ARABIC LETTER MEEM WITH THREE DOTS ABOVE
- 08A8 يھ ARABIC LETTER YEH WITH TWO DOTS BELOW AND HAMZA ABOVE
- Adamawa Fulfulde
 - used for the implosive palatal approximant, realized as pharyngealization of the approximant
 - 01B4 y' latin small letter y with hook
- 08A9 يھ ARABIC LETTER YEH WITH TWO DOTS BELOW AND DOT ABOVE
- Adamawa Fulfulde
 - used for the voiced palatal nasal
 - 0272 ɲ latin small letter n with left hook

Dependent consonants for Rohingya

- 08AA رھ ARABIC LETTER REH WITH LOOP
- = bottya-reh
- 08AB وھ ARABIC LETTER WAW WITH DOT WITHIN
- = nota-wa
- 08AC ڤھ ARABIC LETTER ROHINGYA YEH
- = bottya-yeh

Arabic letters for European and Central Asian languages

- 08AD اھ ARABIC LETTER LOW ALEF
- Bashkir, Tatar
- 08AE دھ ARABIC LETTER DAL WITH THREE DOTS BELOW
- Belarusian
 - Pegon alternative for 068A د
- 08AF صھ ARABIC LETTER SAD WITH THREE DOTS BELOW
- Belarusian
- 08B0 گھ ARABIC LETTER GAF WITH INVERTED STROKE
- Crimean Tatar, Chechen, Lak
- 08B1 وھ ARABIC LETTER STRAIGHT WAW
- Tatar

Arabic letter for Berber

- 08B2 زھ ARABIC LETTER ZAIN WITH INVERTED V ABOVE

Arabic letters for Arwi

- 08B3 عھ ARABIC LETTER AIN WITH THREE DOTS BELOW
- 08B4 كھ ARABIC LETTER KAF WITH DOT BELOW

Early Arabic letter

- 08B5 فھ ARABIC LETTER QAF WITH DOT BELOW AND NO DOTS ABOVE

Arabic letters for Bravanese

- 08B6 بھ ARABIC LETTER BEH WITH SMALL MEEM ABOVE
- 08B7 پھ ARABIC LETTER PEH WITH SMALL MEEM ABOVE
- 08B8 تھ ARABIC LETTER TEH WITH SMALL TEH ABOVE

- 08B9 زھ ARABIC LETTER REH WITH SMALL NOON ABOVE
- 08BA يھ ARABIC LETTER YEH WITH TWO DOTS BELOW AND SMALL NOON ABOVE

Arabic letters for Warsh orthography

The Warsh orthography is the most widespread tradition for the Arabic script in North and West Africa.

- 08BB فھ ARABIC LETTER AFRICAN FEH
- initial and medial forms have one dot below
 - 06A1 فھ arabic letter dotless feh
 - 06A2 فھ arabic letter feh with dot moved below
- 08BC قھ ARABIC LETTER AFRICAN QAF
- initial and medial forms have one dot above
 - 066F قھ arabic letter dotless qaf
 - 06A7 قھ arabic letter qaf with dot above
 - 08C4 قھ arabic letter african qaf with three dots above
- 08BD نھ ARABIC LETTER AFRICAN NOON
- initial and medial forms have one dot above
 - 06BA نھ arabic letter noon ghunna
 - 0646 نھ arabic letter noon

Arabic letters for Hindko

- 08BE پھ ARABIC LETTER PEH WITH SMALL V
- 08BF تھ ARABIC LETTER TEH WITH SMALL V
- 08C0 تھ ARABIC LETTER TTEH WITH SMALL V
- 08C1 تھ ARABIC LETTER TCHEH WITH SMALL V
- 08C2 کھ ARABIC LETTER KEHEH WITH SMALL V

Arabic letters for Hausa, Wolof and other African orthographies

- 08C3 غھ ARABIC LETTER GHAIN WITH THREE DOTS ABOVE
- 08C4 قھ ARABIC LETTER AFRICAN QAF WITH THREE DOTS ABOVE
- this letter shows an additional single dot above for the qaf only in initial and medial forms
 - 08BC قھ arabic letter african qaf
- 08C5 جھ ARABIC LETTER JEEM WITH THREE DOTS ABOVE
- 08C6 جھ ARABIC LETTER JEEM WITH THREE DOTS BELOW

Arabic letter for Punjabi

- 08C7 لھ ARABIC LETTER LAM WITH SMALL ARABIC LETTER TAH ABOVE

Arabic letter for Balti

- 08C8 گھ ARABIC LETTER GRAF

Additions for Quranic orthographies

- 08C9 ۞ ARABIC SMALL FARSI YEH
- 08CA ۞ ARABIC SMALL HIGH FARSI YEH
- 08CB ۞ ARABIC SMALL HIGH YEH BARREE WITH TWO DOTS BELOW
- 08CC ۞ ARABIC SMALL HIGH WORD SAH
- = sign of waqf
- 08CD ۞ ARABIC SMALL HIGH ZAH
- 08CE ۞ ARABIC LARGE ROUND DOT ABOVE
- 08CF ۞ ARABIC LARGE ROUND DOT BELOW
- 08D0 ۞ ARABIC SUKUN BELOW
- 08D1 ۞ ARABIC LARGE CIRCLE BELOW
- 08D2 ۞ ARABIC LARGE ROUND DOT INSIDE CIRCLE BELOW

Quranic annotation signs

08D3	◌ِ	ARABIC SMALL LOW WAW
08D4	◌ِْ	ARABIC SMALL HIGH WORD AR-RUB
08D5	◌ِْ	ARABIC SMALL HIGH SAD
08D6	◌ِْ	ARABIC SMALL HIGH AIN
08D7	◌ِْ	ARABIC SMALL HIGH QAF
08D8	◌ِْ	ARABIC SMALL HIGH NOON WITH KASRA
08D9	◌ِْ	ARABIC SMALL LOW NOON WITH KASRA
08DA	◌ِْ	ARABIC SMALL HIGH WORD ATH-THALATHA
08DB	◌ِْ	ARABIC SMALL HIGH WORD AS-SAJDA
08DC	◌ِْ	ARABIC SMALL HIGH WORD AN-NISF
08DD	◌ِْ	ARABIC SMALL HIGH WORD SAKTA
		→ 10EFD ◌ِْ arabic small low word sakta
08DE	◌ِْ	ARABIC SMALL HIGH WORD QIF
08DF	◌ِْ	ARABIC SMALL HIGH WORD WAQFA
08E0	◌ِْ	ARABIC SMALL HIGH FOOTNOTE MARKER
08E1	◌ِْ	ARABIC SMALL HIGH SIGN SAFHA
08E2	◌ِْ	ARABIC DISPUTED END OF AYAH

Extended vowel sign for Arwi

08E3	◌ِْ	ARABIC TURNED DAMMA BELOW
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Extended vowel signs for Rohingya

08E4	◌ِْ	ARABIC CURLY FATHA
08E5	◌ِْ	ARABIC CURLY DAMMA
08E6	◌ِْ	ARABIC CURLY KASRA
08E7	◌ِْ	ARABIC CURLY FATHATAN
08E8	◌ِْ	ARABIC CURLY DAMMATAN
08E9	◌ِْ	ARABIC CURLY KASRATAN

Tone marks for Rohingya

08EA	◌ِْ	ARABIC TONE ONE DOT ABOVE
08EB	◌ِْ	ARABIC TONE TWO DOTS ABOVE
08EC	◌ِْ	ARABIC TONE LOOP ABOVE
08ED	◌ِْ	ARABIC TONE ONE DOT BELOW
08EE	◌ِْ	ARABIC TONE TWO DOTS BELOW
08EF	◌ِْ	ARABIC TONE LOOP BELOW

Quranic annotation signs

08F0	◌ِْ	ARABIC OPEN FATHATAN
		= successive fathatan
08F1	◌ِْ	ARABIC OPEN DAMMATAN
		= successive dammatan
08F2	◌ِْ	ARABIC OPEN KASRATAN
		= successive kasratan
08F3	◌ِْ	ARABIC SMALL HIGH WAW

Extended vowel signs for African languages

08F4	◌ِْ	ARABIC FATHA WITH RING
08F5	◌ِْ	ARABIC FATHA WITH DOT ABOVE
08F6	◌ِْ	ARABIC KASRA WITH DOT BELOW
		• also used in Philippine languages
08F7	◌ِْ	ARABIC LEFT ARROWHEAD ABOVE
08F8	◌ِْ	ARABIC RIGHT ARROWHEAD ABOVE
		• also used in Quranic text in African and other orthographies to represent damma
08F9	◌ِْ	ARABIC LEFT ARROWHEAD BELOW
08FA	◌ِْ	ARABIC RIGHT ARROWHEAD BELOW
08FB	◌ِْ	ARABIC DOUBLE RIGHT ARROWHEAD ABOVE
		• also used in Quranic text in African and other orthographies to represent dammatan
08FC	◌ِْ	ARABIC DOUBLE RIGHT ARROWHEAD ABOVE WITH DOT
08FD	◌ِْ	ARABIC RIGHT ARROWHEAD ABOVE WITH DOT

Extended vowel signs

08FE	◌ِْ	ARABIC DAMMA WITH DOT
		• Philippine languages
08FF	◌ِْ	ARABIC MARK SIDEWAYS NOON GHUNNA

	0C0	0C1	0C2	0C3	0C4	0C5	0C6	0C7
0	౦ 0C00	ఐ 0C10	ఠ 0C20	ర 0C30	్రి 0C40		ఋ 0C60	
1	౧ 0C01		డ 0C21	ఱ 0C31	ృ 0C41		ౠ 0C61	
2	౨ 0C02	ఒ 0C12	ఢ 0C22	ల 0C32	ౄ 0C42		ౡ 0C62	
3	౩ 0C03	ఓ 0C13	ణ 0C23	ళ 0C33	౅ 0C43		ౢ 0C63	
4	౪ 0C04	ఔ 0C14	త 0C24	ఱ 0C34	ె 0C44			
5	అ 0C05	క 0C15	థ 0C25	వ 0C35		్రి 0C55		
6	ఆ 0C06	ఖ 0C16	ద 0C26	శ 0C36	్రి 0C46	్రి 0C56	ం 0C66	
7	ఇ 0C07	గ 0C17	ధ 0C27	ష 0C37	్రి 0C47		ం 0C67	ం 0C77
8	ఈ 0C08	ఘ 0C18	న 0C28	స 0C38	్రి 0C48	ఙ 0C58	ం 0C68	ం 0C78
9	ఉ 0C09	జ 0C19		హ 0C39		ఙ 0C59	ం 0C69	ం 0C79
A	ఊ 0C0A	చ 0C1A	ప 0C2A		్రి 0C4A	ఞ 0C5A	ం 0C6A	ం 0C7A
B	ఋ 0C0B	ఛ 0C1B	ఫ 0C2B		్రి 0C4B		ం 0C6B	ం 0C7B
C	ౠ 0C0C	జ 0C1C	బ 0C2C	్రి 0C3C	్రి 0C4C		ం 0C6C	ం 0C7C
D		ఝ 0C1D	భ 0C2D	్రి 0C3D	్రి 0C4D	్రి 0C5D	ం 0C6D	ం 0C7D
E	ఎ 0C0E	ఞ 0C1E	మ 0C2E	్రి 0C3E			ం 0C6E	ం 0C7E
F	ప 0C0F	ట 0C1F	య 0C2F	్రి 0C3F			ం 0C6F	ం 0C7F

0C62	౧౨	TELUGU VOWEL SIGN VOCALIC L
0C63	౧౩	TELUGU VOWEL SIGN VOCALIC LL

Reserved

For viram punctuation, use the generic Indic 0964 and 0965.

- 0C64  <reserved>
→ 0964 I devanagari danda
- 0C65  <reserved>
→ 0965 II devanagari double danda

Digits

- 0C66  TELUGU DIGIT ZERO
- 0C67  TELUGU DIGIT ONE
- 0C68  TELUGU DIGIT TWO
- 0C69  TELUGU DIGIT THREE
- 0C6A  TELUGU DIGIT FOUR
- 0C6B  TELUGU DIGIT FIVE
- 0C6C  TELUGU DIGIT SIX
- 0C6D  TELUGU DIGIT SEVEN
- 0C6E  TELUGU DIGIT EIGHT
- 0C6F  TELUGU DIGIT NINE

Sign

- 0C77  TELUGU SIGN SIDDHAM
= siddhirastu
• used at the beginning of texts as an invocation
→ A8FC  devanagari sign siddham
→ 111DB  sharada sign siddham

Telugu fractions and weights

- 0C78  TELUGU FRACTION DIGIT ZERO FOR ODD
POWERS OF FOUR
- 0C79  TELUGU FRACTION DIGIT ONE FOR ODD
POWERS OF FOUR
- 0C7A  TELUGU FRACTION DIGIT TWO FOR ODD
POWERS OF FOUR
- 0C7B  TELUGU FRACTION DIGIT THREE FOR ODD
POWERS OF FOUR
- 0C7C  TELUGU FRACTION DIGIT ONE FOR EVEN
POWERS OF FOUR
- 0C7D  TELUGU FRACTION DIGIT TWO FOR EVEN
POWERS OF FOUR
- 0C7E  TELUGU FRACTION DIGIT THREE FOR EVEN
POWERS OF FOUR
- 0C7F  TELUGU SIGN TUUMU

	0C8	0C9	0CA	0CB	0CC	0CD	0CE	0CF
0	ಁ 0C80	ಂ 0C90	ಃ 0CA0	಄ 0CB0	ಅ 0CC0		ಆ 0CE0	
1	ಇ 0C81		ಉ 0CA1	ಊ 0CB1	ಋ 0CC1		ೠ 0CE1	ಡ 0CF1
2	ಠ 0C82	ಡ 0C92	ಢ 0CA2	ಣ 0CB2	ಠ 0CC2		ಡ 0CE2	ಢ 0CF2
3	ಠ 0C83	ಃ 0C93	ಣ 0CA3	ಣ 0CB3	ಠ 0CC3		ಡ 0CE3	ಢ 0CF3
4	ಠ 0C84	ಞ 0C94	ತ 0CA4		ಠ 0CC4			
5	ಠ 0C85	ಕ 0C95	ಥ 0CA5	ಢ 0CB5		ಠ 0CD5		
6	ಠ 0C86	ಖ 0C96	ದ 0CA6	ಠ 0CB6	ಠ 0CC6	ಠ 0CD6	ಠ 0CE6	
7	ಠ 0C87	ಗ 0C97	ಧ 0CA7	ಠ 0CB7	ಠ 0CC7		ಠ 0CE7	
8	ಠ 0C88	ಘ 0C98	ಢ 0CA8	ಠ 0CB8	ಠ 0CC8		ಠ 0CE8	
9	ಠ 0C89	ಞ 0C99		ಠ 0CB9			ಠ 0CE9	
A	ಠ 0C8A	ಚ 0C9A	ಪ 0CAA		ಠ 0CCA		ಠ 0CEA	
B	ಠ 0C8B	ಛ 0C9B	ಫ 0CAB		ಠ 0CCB		ಠ 0CEB	
C	ಠ 0C8C	ಜ 0C9C	ಬ 0CAC	ಃ 0CBC	ಠ 0CCC		ಠ 0CEC	
D		ಠ 0C9D	ಠ 0CAD	ಠ 0CBD	ಠ 0CCD	ಠ 0CDD	ಠ 0CED	
E	ಠ 0C8E	ಞ 0C9E	ಮ 0CAE	ಠ 0CBE		ಠ 0CDE	ಠ 0CEE	
F	ಠ 0C8F	ಟ 0C9F	ಯ 0CAF	ಠ 0CBF			ಠ 0CEF	

Kannada

Various signs

0C80	◌ॐ	KANNADA SIGN SPACING CANDRABINDU
0C81	◌ॐॐ	KANNADA SIGN CANDRABINDU
0C82	◌ಂ	KANNADA SIGN ANUSVARA used in Konkani, Havyaka Kannada (Havigannada) and Awadhi texts to indicate regular anusvara
0C83	◌ಃ	KANNADA SIGN VISARGA
0C84	◌ॐ	KANNADA SIGN SIDDHAM = siddhirastu - used at the beginning of texts as an invocation → A8FC ◌ॐ devanagari sign siddham → 111DB ◌ॐ sharada sign siddham

Independent vowels

0C85	ಅ	KANNADA LETTER A
0C86	ಆ	KANNADA LETTER AA
0C87	ಇ	KANNADA LETTER I
0C88	ಈ	KANNADA LETTER II
0C89	ಉ	KANNADA LETTER U
0C8A	ಊ	KANNADA LETTER UU
0C8B	ಋ	KANNADA LETTER VOCALIC R
0C8C	ೠ	KANNADA LETTER VOCALIC L
0C8D		<reserved>
0C8E	ಎ	KANNADA LETTER E
0C8F	ಏ	KANNADA LETTER EE
0C90	ಐ	KANNADA LETTER AI
0C91		<reserved>
0C92	ಒ	KANNADA LETTER O
0C93	ಓ	KANNADA LETTER OO
0C94	ಔ	KANNADA LETTER AU

Consonants

0C95	ಕ	KANNADA LETTER KA
0C96	ಖ	KANNADA LETTER KHA
0C97	ಗ	KANNADA LETTER GA
0C98	ಘ	KANNADA LETTER GHA
0C99	ಙ	KANNADA LETTER NGA
0CA0	ಚ	KANNADA LETTER CA
0C9B	ಛ	KANNADA LETTER CHA
0C9C	ಜ	KANNADA LETTER JA
0C9D	ಝ	KANNADA LETTER JHA
0C9E	ಞ	KANNADA LETTER NYA
0C9F	ಟ	KANNADA LETTER TTA
0CA0	ಠ	KANNADA LETTER TTHA
0CA1	ಡ	KANNADA LETTER DDA
0CA2	ಢ	KANNADA LETTER DDHA
0CA3	ಣ	KANNADA LETTER NNA
0CA4	ತ	KANNADA LETTER TA
0CA5	ಥ	KANNADA LETTER THA
0CA6	ದ	KANNADA LETTER DA
0CA7	ಧ	KANNADA LETTER DHA
0CA8	ನ	KANNADA LETTER NA
0CA9		<reserved>
0CAA	ಪ	KANNADA LETTER PA
0CAB	ಫ	KANNADA LETTER PHA
0CAC	ಬ	KANNADA LETTER BA
0CAD	ಭ	KANNADA LETTER BHA
0CAE	ಮ	KANNADA LETTER MA
0CAF	ಯ	KANNADA LETTER YA
0CB0	ರ	KANNADA LETTER RA
0CB1	ಱ	KANNADA LETTER RRA
0CB2	ಲ	KANNADA LETTER LA

0CB3	ಲ	KANNADA LETTER LLA
0CB4		<reserved>
0CB5	ವ	KANNADA LETTER VA
0CB6	ಶ	KANNADA LETTER SHA
0CB7	ಷ	KANNADA LETTER SSA
0CB8	ಸ	KANNADA LETTER SA
0CB9	ಹ	KANNADA LETTER HA

Various signs

0CBC	ಠ	KANNADA SIGN NUKTA
0CBD	ಱ	KANNADA SIGN AVAGRAHA

Dependent vowel signs

0CBE	ಌ	KANNADA VOWEL SIGN AA
0CBF	ಋ	KANNADA VOWEL SIGN I
0CC0	ೠ	KANNADA VOWEL SIGN II ≡ 0CBF ಋ 0CD5 ೠ
0CC1	ಋ	KANNADA VOWEL SIGN U
0CC2	ೠ	KANNADA VOWEL SIGN UU
0CC3	ಋ	KANNADA VOWEL SIGN VOCALIC R
0CC4	ೠ	KANNADA VOWEL SIGN VOCALIC RR
0CC5	☐	<reserved>
0CC6	ಌ	KANNADA VOWEL SIGN E
0CC7	಍	KANNADA VOWEL SIGN EE ≡ 0CC6 ಌ 0CD5 ೠ
0CC8	ಌ	KANNADA VOWEL SIGN AI ≡ 0CC6 ಌ 0CD6 ಏ
0CC9	☐	<reserved>
0CCA	ಌ	KANNADA VOWEL SIGN O ≡ 0CC6 ಌ 0CC2 ಋ
0CCB	಍	KANNADA VOWEL SIGN OO ≡ 0CCA ಌ 0CD5 ೠ
0CCC	ಌ	KANNADA VOWEL SIGN AU

Virama

0CCD 𑌕 KANNADA SIGN VIRAMA
• preferred name is halant

Various signs

0CD5 ಀ KANNADA LENGTH MARK
0CD6 ಁ KANNADA AI LENGTH MARK

Additional consonants

0CDD ಀ KANNADA LETTER NAKAARA POLLU

- vowelless form of na
- 0C5D ಀ telugu letter nakaara pollu
- 0D7B ഃ malayalam letter chillu n

OCDE 𑌕 KANNADA LETTER FA
 ✕ KANNADA LETTER LLLA
 • obsolete historic letter
 • name is a mistake for LLLA

Additional vowels for Sanskrit

0CE0	ರೂ	KANNADA LETTER VOCALIC RR
0CE1	ಲ್	KANNADA LETTER VOCALIC LL

Dependent vowels

0CE2	ಃ	KANNADA VOWEL SIGN VOCALIC L
0CE3	ಃ	KANNADA VOWEL SIGN VOCALIC LL

Reserved

For viram punctuation, use the generic Indic 0964 and 0965.

0CE4  <reserved>
→ 0964 I devanagari danda

0CE5  <reserved>
→ 0965 II devanagari double danda

Digits

0CE6	೦	KANNADA DIGIT ZERO
0CE7	೧	KANNADA DIGIT ONE
0CE8	೨	KANNADA DIGIT TWO
0CE9	೩	KANNADA DIGIT THREE
0CEA	೪	KANNADA DIGIT FOUR
0CEB	೫	KANNADA DIGIT FIVE
0CEC	೬	KANNADA DIGIT SIX
0CED	೭	KANNADA DIGIT SEVEN
0CEE	೮	KANNADA DIGIT EIGHT
0CEF	೯	KANNADA DIGIT NINE

Signs used in Sanskrit

0CF1	ॐ	KANNADA SIGN JIHVAMULIYA → 1CF5 ॐ vedic sign jihvamuliya
0CF2	ॐः	KANNADA SIGN UPADHMANIYA → 1CF6 ॐः vedic sign upadhmaniya
0CF3	◌ं	KANNADA SIGN COMBINING ANUSVARA ABOVE RIGHT • used in Konkani, Havyaka Kannada (Havigannada) and Awadhi texts to indicate anunāsikā

	0E8	0E9	0EA	0EB	0EC	0ED	0EE	0EF
0		ກ 0E90	ກ 0EA0	ະ 0EB0	ເ 0EC0	ອ 0ED0		
1	ກ 0E81	ທ 0E91	ນ 0EA1	ັ 0EB1	ແ 0EC1	໑ 0ED1		
2	ຂ 0E82	ຜ 0E92	ຢ 0EA2	າ 0EB2	ໄ 0EC2	໒ 0ED2		
3		ຕ 0E93	ຣ 0EA3	ຳ 0EB3	ໃ 0EC3	໓ 0ED3		
4	ຄ 0E84	ດ 0E94		ິ 0EB4	ໄ 0EC4	໔ 0ED4		
5		ຕ 0E95	ລ 0EA5	ີ 0EB5		໕ 0ED5		
6	ພ 0E86	ຖ 0E96		ື 0EB6	ຶ 0EC6	໖ 0ED6		
7	ງ 0E87	ທ 0E97	ວ 0EA7	ື 0EB7		ກ 0ED7		
8	ຈ 0E88	ຜ 0E98	ຮ 0EA8	ູ 0EB8	ົ 0EC8	໘ 0ED8		
9	ຊ 0E89	ນ 0E99	ຮ 0EA9	ູ 0EB9	ົ 0EC9	ລ 0ED9		
A	ຊ 0E8A	ບ 0E9A	ສ 0EA0	ູ 0EB0	ົ 0EC0			
B		ປ 0E9B	ຫ 0EAB	ົ 0EBB	ົ 0ECB			
C	ຊ 0E8C	ຜ 0E9C	ຮ 0EAC	ູ 0EBC	ົ 0ECC	ຫ 0EDC		
D	ຍ 0E8D	ຜ 0E9D	ອ 0EAD	ູ 0EBD	ົ 0ECD	ຫ 0EDD		
E	ເ 0E8E	ພ 0E9E	ຮ 0EAE		ົ 0ECE	ກ 0EDE		
F	ຝ 0E8F	ຟ 0E9F	ຮ 0EAF			ຮ 0EDF		

Consonants

0E81	ກ	LAO LETTER KO = ko kay
0E82	ຂ	LAO LETTER KHO SUNG = kho khay
0E83	◻	<reserved>
0E84	ຄ	LAO LETTER KHO TAM = kho khuay
0E85	◻	<reserved>
0E86	ພ	LAO LETTER PALI GHA
0E87	ງ	LAO LETTER NGO = ngo ngu, ngo ngua
0E88	ຈ	LAO LETTER CO = co cok, co cua
0E89	ຊ	LAO LETTER PALI CHA
0E8A	ຊ	LAO LETTER SO TAM = so sang
0E8B	◻	<reserved>
0E8C	ຊ	LAO LETTER PALI JHA
0E8D	ຍ	LAO LETTER NYO = nyo nyung
0E8E	ນ	LAO LETTER PALI NYA
0E8F	ຸ	LAO LETTER PALI TTA
0E90	ຸ	LAO LETTER PALI TTHA
0E91	ຸ	LAO LETTER PALI DDA
0E92	ຸ	LAO LETTER PALI DDHA
0E93	ຸ	LAO LETTER PALI NNA
0E94	ດ	LAO LETTER DO = do dek
0E95	ຕ	LAO LETTER TO = to ta
0E96	ຖ	LAO LETTER THO SUNG = tho thong
0E97	ຖ	LAO LETTER THO TAM = tho thung
0E98	ຖ	LAO LETTER PALI DHA
0E99	ນ	LAO LETTER NO = no nok
0E9A	ບ	LAO LETTER BO = bo be, bo bet
0E9B	ປ	LAO LETTER PO = po pa
0E9C	ຜ	LAO LETTER PHO SUNG = pho pheng
0E9D	ຜ	LAO LETTER FO TAM × LAO LETTER FO FON = fo fa • name is a mistake for fo sung
0E9E	ຜ	LAO LETTER PHO TAM = pho phu
0E9F	ຜ	LAO LETTER FO SUNG × LAO LETTER FO FAY • name is a mistake for fo tam
0EA0	ກ	LAO LETTER PALI BHA
0EA1	ມ	LAO LETTER MO = mo mew, mo ma
0EA2	ຢ	LAO LETTER YO = yo ya
0EA3	ລ	LAO LETTER LO LING × LAO LETTER RO = ro rot • name is a mistake, lo ling is the mnemonic for 0EA5 ລ
0EA4	◻	<reserved>

0EA5	ລ	LAO LETTER LO LOOT × LAO LETTER LO = lo ling • name is a mistake, lo loot is the mnemonic for 0EA3 ລ
0EA6	◻	<reserved>
0EA7	ວ	LAO LETTER WO = wo wi
0EA8	ສ	LAO LETTER SANSKRIT SHA
0EA9	ຜ	LAO LETTER SANSKRIT SSA
0EAA	ສ	LAO LETTER SO SUNG = so sya
0EAB	ຫ	LAO LETTER HO SUNG = ho hay, ho han
0EAC	ຸ	LAO LETTER PALI LLA
0EAD	ອ	LAO LETTER O = o o
0EAE	ຸ	LAO LETTER HO TAM = ho hya, ho hyan

Sign

0EAF	ໄ	LAO ELLIPSIS
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Vowels

0EB0	ໄ	LAO VOWEL SIGN A
0EB1	ໄ	LAO VOWEL SIGN MAI KAN • vowel shortener
0EB2	ໄ	LAO VOWEL SIGN AA
0EB3	ໄ	LAO VOWEL SIGN AM ≈ 0ECD ິ 0EB2 ິ
0EB4	ໄ	LAO VOWEL SIGN I
0EB5	ໄ	LAO VOWEL SIGN II
0EB6	ໄ	LAO VOWEL SIGN Y
0EB7	ໄ	LAO VOWEL SIGN YY
0EB8	ໄ	LAO VOWEL SIGN U
0EB9	ໄ	LAO VOWEL SIGN UU

Virama

0EBA	ໄ	LAO SIGN PALI VIRAMA
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Vowel

0EBB	ໄ	LAO VOWEL SIGN MAI KON = mai kong
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Signs

0EBC	ໄ	LAO SEMIVOWEL SIGN LO
0EBD	ໄ	LAO SEMIVOWEL SIGN NYO = nyo fyang

Vowels

These vowels precede a consonant in visual order.

0EC0	ໄ	LAO VOWEL SIGN E
0EC1	ໄ	LAO VOWEL SIGN EI
0EC2	ໄ	LAO VOWEL SIGN O
0EC3	ໄ	LAO VOWEL SIGN AY = mai muan
0EC4	ໄ	LAO VOWEL SIGN AI = mai may

Repetition mark

0EC6	ໄ	LAO KO LA • repetition
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Tone marks

0EC8	ໄ	LAO TONE MAI EK
0EC9	ໄ	LAO TONE MAI THO
0ECA	ໄ	LAO TONE MAI TI

0ECB 𐄀 LAO TONE MAI CATAWA

Signs

0ECC 𐄁 LAO CANCELLATION MARK

0ECD 𐄂 LAO NIGGAHITA
• final nasal or long o vowel

0ECE 𐄃 LAO YAMAKKAN
• marks a consonant that is simultaneously a part
of two consonant clusters in Pali text
→ 0E4E 𐄄 thai character yamakkan

Digits

0ED0 0 LAO DIGIT ZERO

0ED1 ໑ LAO DIGIT ONE

0ED2 ໒ LAO DIGIT TWO

0ED3 ໓ LAO DIGIT THREE

0ED4 ໔ LAO DIGIT FOUR

0ED5 ໕ LAO DIGIT FIVE

0ED6 ໖ LAO DIGIT SIX

0ED7 ໗ LAO DIGIT SEVEN

0ED8 ໘ LAO DIGIT EIGHT

0ED9 ໙ LAO DIGIT NINE

Digraphs

0EDC ໐໑ LAO HO NO
≈ 0EAB ໐໑ 0E99 ໑

0EDD ໐໒ LAO HO MO
≈ 0EAB ໐໒ 0EA1 ໑

Consonants for Khmu

0EDE ໐໑ LAO LETTER KHMU GO

0EDF ໐໒ LAO LETTER KHMU NYO

	140	141	142	143	144	145	146	147	148	149	14A	14B	14C	14D
0	 1400	 1410	 1420	 1430	 1440	 1450	 1460	 1470	 1480	 1490	 14A0	 14B0	 14C0	 14D0
1	 1401	 1411	 1421	 1431	 1441	 1451	 1461	 1471	 1481	 1491	 14A1	 14B1	 14C1	 14D1
2	 1402	 1412	 1422	 1432	 1442	 1452	 1462	 1472	 1482	 1492	 14A2	 14B2	 14C2	 14D2
3	 1403	 1413	 1423	 1433	 1443	 1453	 1463	 1473	 1483	 1493	 14A3	 14B3	 14C3	 14D3
4	 1404	 1414	 1424	 1434	 1444	 1454	 1464	 1474	 1484	 1494	 14A4	 14B4	 14C4	 14D4
5	 1405	 1415	 1425	 1435	 1445	 1455	 1465	 1475	 1485	 1495	 14A5	 14B5	 14C5	 14D5
6	 1406	 1416	 1426	 1436	 1446	 1456	 1466	 1476	 1486	 1496	 14A6	 14B6	 14C6	 14D6
7	 1407	 1417	 1427	 1437	 1447	 1457	 1467	 1477	 1487	 1497	 14A7	 14B7	 14C7	 14D7
8	 1408	 1418	 1428	 1438	 1448	 1458	 1468	 1478	 1488	 1498	 14A8	 14B8	 14C8	 14D8
9	 1409	 1419	 1429	 1439	 1449	 1459	 1469	 1479	 1489	 1499	 14A9	 14B9	 14C9	 14D9
A	 140A	 141A	 142A	 143A	 144A	 145A	 146A	 147A	 148A	 149A	 14AA	 14BA	 14CA	 14DA
B	 140B	 141B	 142B	 143B	 144B	 145B	 146B	 147B	 148B	 149B	 14AB	 14BB	 14CB	 14DB
C	 140C	 141C	 142C	 143C	 144C	 145C	 146C	 147C	 148C	 149C	 14AC	 14BC	 14CC	 14DC
D	 140D	 141D	 142D	 143D	 144D	 145D	 146D	 147D	 148D	 149D	 14AD	 14BD	 14CD	 14DD
E	 140E	 141E	 142E	 143E	 144E	 145E	 146E	 147E	 148E	 149E	 14AE	 14BE	 14CE	 14DE
F	 140F	 141F	 142F	 143F	 144F	 145F	 146F	 147F	 148F	 149F	 14AF	 14BF	 14CF	 14DF

	14E	14F	150	151	152	153	154	155	156	157	158	159	15A
0	ᑭ	ᑭ	ᑭ	ᑭ	ᑭ	ᑭ	ᑭ	ᑭ	ᑭ	ᑭ	ᑭ	ᑭ	ᑭ
1	ᑭ	ᑭ	ᑭ	ᑭ	ᑭ	ᑭ	ᑭ	ᑭ	ᑭ	ᑭ	ᑭ	ᑭ	ᑭ
2	ᑭ	ᑭ	ᑭ	ᑭ	ᑭ	ᑭ	ᑭ	ᑭ	ᑭ	ᑭ	ᑭ	ᑭ	ᑭ
3	ᑭ	ᑭ	ᑭ	ᑭ	ᑭ	ᑭ	ᑭ	ᑭ	ᑭ	ᑭ	ᑭ	ᑭ	ᑭ
4	ᑭ	ᑭ	ᑭ	ᑭ	ᑭ	ᑭ	ᑭ	ᑭ	ᑭ	ᑭ	ᑭ	ᑭ	ᑭ
5	ᑭ	ᑭ	ᑭ	ᑭ	ᑭ	ᑭ	ᑭ	ᑭ	ᑭ	ᑭ	ᑭ	ᑭ	ᑭ
6	ᑭ	ᑭ	ᑭ	ᑭ	ᑭ	ᑭ	ᑭ	ᑭ	ᑭ	ᑭ	ᑭ	ᑭ	ᑭ
7	ᑭ	ᑭ	ᑭ	ᑭ	ᑭ	ᑭ	ᑭ	ᑭ	ᑭ	ᑭ	ᑭ	ᑭ	ᑭ
8	ᑭ	ᑭ	ᑭ	ᑭ	ᑭ	ᑭ	ᑭ	ᑭ	ᑭ	ᑭ	ᑭ	ᑭ	ᑭ
9	ᑭ	ᑭ	ᑭ	ᑭ	ᑭ	ᑭ	ᑭ	ᑭ	ᑭ	ᑭ	ᑭ	ᑭ	ᑭ
A	ᑭ	ᑭ	ᑭ	ᑭ	ᑭ	ᑭ	ᑭ	ᑭ	ᑭ	ᑭ	ᑭ	ᑭ	ᑭ
B	ᑭ	ᑭ	ᑭ	ᑭ	ᑭ	ᑭ	ᑭ	ᑭ	ᑭ	ᑭ	ᑭ	ᑭ	ᑭ
C	ᑭ	ᑭ	ᑭ	ᑭ	ᑭ	ᑭ	ᑭ	ᑭ	ᑭ	ᑭ	ᑭ	ᑭ	ᑭ
D	ᑭ	ᑭ	ᑭ	ᑭ	ᑭ	ᑭ	ᑭ	ᑭ	ᑭ	ᑭ	ᑭ	ᑭ	ᑭ
E	ᑭ	ᑭ	ᑭ	ᑭ	ᑭ	ᑭ	ᑭ	ᑭ	ᑭ	ᑭ	ᑭ	ᑭ	ᑭ
F	ᑭ	ᑭ	ᑭ	ᑭ	ᑭ	ᑭ	ᑭ	ᑭ	ᑭ	ᑭ	ᑭ	ᑭ	ᑭ

	15B	15C	15D	15E	15F	160	161	162	163	164	165	166	167
0	 15B0	 15C0	 15D0	 15E0	 15F0	 1600	 1610	 1620	 1630	 1640	 1650	 1660	 1670
1	 15B1	 15C1	 15D1	 15E1	 15F1	 1601	 1611	 1621	 1631	 1641	 1651	 1661	 1671
2	 15B2	 15C2	 15D2	 15E2	 15F2	 1602	 1612	 1622	 1632	 1642	 1652	 1662	 1672
3	 15B3	 15C3	 15D3	 15E3	 15F3	 1603	 1613	 1623	 1633	 1643	 1653	 1663	 1673
4	 15B4	 15C4	 15D4	 15E4	 15F4	 1604	 1614	 1624	 1634	 1644	 1654	 1664	 1674
5	 15B5	 15C5	 15D5	 15E5	 15F5	 1605	 1615	 1625	 1635	 1645	 1655	 1665	 1675
6	 15B6	 15C6	 15D6	 15E6	 15F6	 1606	 1616	 1626	 1636	 1646	 1656	 1666	 1676
7	 15B7	 15C7	 15D7	 15E7	 15F7	 1607	 1617	 1627	 1637	 1647	 1657	 1667	 1677
8	 15B8	 15C8	 15D8	 15E8	 15F8	 1608	 1618	 1628	 1638	 1648	 1658	 1668	 1678
9	 15B9	 15C9	 15D9	 15E9	 15F9	 1609	 1619	 1629	 1639	 1649	 1659	 1669	 1679
A	 15BA	 15CA	 15DA	 15EA	 15FA	 160A	 161A	 162A	 163A	 164A	 165A	 166A	 167A
B	 15BB	 15CB	 15DB	 15EB	 15FB	 160B	 161B	 162B	 163B	 164B	 165B	 166B	 167B
C	 15BC	 15CC	 15DC	 15EC	 15FC	 160C	 161C	 162C	 163C	 164C	 165C	 166C	 167C
D	 15BD	 15CD	 15DD	 15ED	 15FD	 160D	 161D	 162D	 163D	 164D	 165D	 166D	 167D
E	 15BE	 15CE	 15DE	 15EE	 15FE	 160E	 161E	 162E	 163E	 164E	 165E	 166E	 167E
F	 15BF	 15CF	 15DF	 15EF	 15FF	 160F	 161F	 162F	 163F	 164F	 165F	 166F	 167F