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**AMENDMENT 1**  
2019-01

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## Information technology — Universal Coded Character Set (UCS)

### AMENDMENT 1: Dogra, Gunjala Gondi, Makasar, Medefaidrin, Indic Siyaq Numbers and other characters

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*Technologies de l'information — Jeu universel de caractères codés (JUC)*  
*AMENDEMENT 1: Chiffres dogra, gunjala gondi, makassar,  
medefaidrine, siyaq indiens et autres caractères*

[ISO/IEC 10646:2017/Amd 1:2019](https://standards.iso-iec-10646-2017-amd-1-2019)

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## Foreword

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

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

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

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

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

This amendment includes the following significant changes with respect to the fifth edition (ISO/IEC 10646:2017):

- New scripts covered: Dogra, Gunjala Gondi, Hanifi Rohingya, Makasar, Medefaidrin, Old Sogdian, Sogdian,
- Existing script significantly extended: Kana,
- New Emoji symbols.

Any feedback or questions on this document should be directed to the user's national standards body. A complete listing of these bodies can be found at <https://www.iso.org/members.html>.

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# Information technology — Universal Coded Character Set (UCS) —

## AMENDMENT 1: Dogra, Gunjala Gondi, Makasar, Medefaidrin, Indic Siyaq Numbers, and other characters

*All document*

Replace all occurrences of "This international standard" by "This document".

### 24.1 List of source references (for Tangut ideographs)

In the list of Tangut sources, insert the following entries:

L2012	Li Fànwén 2012 (Tangut-Chinese Dictionary, 3rd edition)
UTN42	Unicode Technical Note #42: Tangut Character Additions and Glyphs Corrections

### 24.2 Source reference file for Tangut ideographs

In table 6, add the format definitions L2012-`dddd` and UT42-`ddd` to the list of third field format for kTGT\_MergedSrc.

Update the link with following:

<https://standards.iso.org/iso-iec/10646/ed-5/en/amd/1/TangutSrc.txt>  
ISO/IEC 10646:2017/Amd 1:2019  
 https://standards.iteh.ai/catalog/standards/sist/7663f808-43c8-4ecf-9d23-0a45502fcc2c/iso-iec-10646-2017-amd-1-2019

## 33 Code charts and list of character names

### 1. Modifications to existing blocks

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

Plane 00

Armenian

Hebrew

NKo

Arabic Extended-A

Bengali

Gurmukhi

Telugu

Kannada

Mongolian

Miscellaneous Symbols and Arrows

Supplemental Punctuation

Bopomofo

Latin Extended-D

Devanagari Extended

## ISO/IEC 10646:2017/Amd.1:2019(E)

Plane 01

Kharoshthi  
Kaithi  
Chakma  
Grantha  
Newa  
Ahom  
Zanabazar Square  
Soyombo  
Tangut  
Kana Supplement  
Counting Rod Numerals  
Enclosed Alphanumeric Supplement  
Transport and Map Symbols  
Geometric Shapes Extended  
Supplemental Symbols and Pictographs

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

0560 0588 05EF 07FD-07FF 08D3 09FE 0A76 0C04 0C84 1878 2BBA-2BBC 2BD3-2BEB 2BF0-2BFE  
2E4A-2E4E 312F A7AF A7B8-A7B9 A8FE-A8FF 10A34-10A35 10A48 110CD 11144-11146 1133B  
1145E 1171A 11A45-11A47 11A9D 187ED-187F1 1B002-1B0FF 1D372-1D378 1F12F 1F6F7-1F6F8  
1F7D5-1F7D8 1F91F 1F928-1F92F 1F931-1F932 1F94C 1F95F-1F96B 1F992-1F997 1F9D0-1F9E6

And updated graphic representation at the following code positions:

0C8C 0CE1 0CF1-0CF2 2626 26F0 1F301 1F308 1F335 1F373-1F3B1 1F3B5-1F3B6 1F409 1F40B  
1F432 1F450 1F47B 1F47E 1F4A9-1F4AA 1F4DC 1F602 1F605 1F607 1F609 1F60C 1F60F 1F612-  
1F616 1F618 1F61A-1F61F 1F621-1F62D 1F630-1F635 1F637 1F639 1F63C-1F63D 1F63F-1F640  
1F644-1F645 1F64C 1F64E-1F64F 1F6F6 1F912 1F914-1F915 1F917 1F922 1F926-1F927 1F938-  
1F93E 1F95C 1F985-1F987 1F98E-1F990

## 2. New blocks

Insert the following additional blocks.

Plane 01

Hanifi Rohingya  
Old Sogdian  
Sogdian  
Dogra  
Gunjala Gondi  
Makasar  
Medefaidrin  
Kana Extended-A  
Mayan Numerals  
Indic Siyaq Numbers  
Chess Symbols

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

10D00-10D27 10D30-10D39 10F00-10F27 10F30-10F59 11800-1183B 11D60-11D65 11D67-11D68  
11D6A-11D8E 11D90-11D91 11D93-11D98 11DA0-11DA9 11EE0-11EF8 16E40-16E9A 1B100-  
1B11E 1D2E0-1D2F3 1EC71-1ECB4 1FA60-1FA6D

*Annex A.1*

Add a '\*' (for fixed collection) for the following collection:

153 DEVANAGARI EXTENDED

In the list of collection numbers and names, after

1101 SUPPLEMENTAL SYMBOLS AND PICTOGRAPHS

insert the new entry as follows:

1102 HANIFI ROHINGGYA 10D00-10D3F

In the list of collection numbers and names, after

1108 ADLAM

insert the new entry as follows:

1109 OLD SOGDIAN	10F00-10F2F
1110 SOGDIAN	10F30-10F6F
1111 DOGRA	11800-1184F
1112 GUNJALA GONDI	11D60-11DAF
1113 MAKASAR	11EE0-11EFF
1114 MEDEFAIDRIN	16E40-16E9F
1115 KANA EXTENDED-A	1B100-1B12F
1116 MAYAN NUMERALS	1D2E0-1D2FF
1117 INDIC SIYAQ NUMBERS	1EC70-1ECBF
1118 CHESS SYMBOLS	1FA00-1FA6F

In the list of collection numbers and names, after  
<https://standards.iteh.ai/catalog/standards/sist/7663f808-43c8-4ecf-9d23-6a45362fee2c/iso-iec-10646-2017-amd-1-2019>

316 UNICODE 9.0

insert the new entry as follows:

317 UNICODE 10.0 see A.6 \*

In the list of collection numbers and names, after

374 JIS X 0213:2004 IDEOGRAPHS FROM...

insert the new entry as follows:

375 JAPANESE CORE KANJI see A.4.6 \*

*Annex A.1*

In the alphabetical list of keywords in Note 3, add the value 1115 to the Hiragana and Katakana entries, and the value 1118 to the Symbols entry; and insert the following entries:

Dogra	1111
Gunjala Gondi	1112
Hanifi Rohingya	1102
Indic Siyaq Numbers	1117
Makasar	1113
Mayan	1116
Medefaidrin	1114
Old Sogdian	1109
Sogdian	1110

## ISO/IEC 10646:2017/Amd.1:2019(E)

### Annex A.2.2

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

HANIFI ROHINGYA	10D00-10D3F
OLD SOGDIAN	10F00-10F2F
SOGDIAN	10F30-10F6F
DOGRA	11800-1184F
GUNJALA GONDI	11D60-11DAF
MAKASAR	11EE0-11EFF
MEDEFAIDRIN	16E40-16E9F
KANA EXTENDED-A	1B100-1B12F
MAYAN NUMERALS	1D2E0-1D2FF
INDIC SIYAQ NUMBERS	1EC70-1ECBF
CHESS SYMBOLS	1FA00-1FA6F

### Annex A.4 CJK collections

Add a new sub-clause as follows:

#### A.4.6 375 JAPANESE CORE KANJI

The fixed collection 375 JAPANESE CORE KANJI consists of 2136 CJK ideographs. All but four of these ideographs are identified by a J0 source. The code points of these four ideograph are: U+525D (J3A source), U+5861 (J13 source), U+9830 (J13 source), and U+20B9F (J3A source).

NOTE 1 – Given its large size and the large number of sparse ranges, the collection is not specified by code point ranges in this document but instead by a linked content.

The fixed collection 375 is defined by a machine-readable format that is accessible as a link:

<https://standards.iso.org/iso-iec/10646/ed-5/en/amd/1/JapaneseCoreKanji.txt>

The content linked to is a plain text file, using ISO/IEC 646-IRV characters with CARRIAGE RETURN/LINE FEED as end of line mark, which specifies, after a 5-lines header, as many lines as characters in the collection; each containing the following information in a fixed length field:

- UCS code point (hhhh or hhhhh), normative

The format definition for the code point uses 'h' as a hexadecimal unit.

### Annex A.6 Unicode collections

Insert the new entry as follows:






317 UNICODE 10.0 Age property value less than or equal to 10.0

### 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.

<http://standards.iso.org/iso-iec/10646/ed-5/en/amd/1/Am1names.txt>



	053	054	055	056	057	058
0		Հ 0540	Ր 0550	Մ 0560	Հ 0570	Ր 0580
1	Ա 0531	Զ 0541	Յ 0551	Մ 0561	Ճ 0571	Գ 0581
2	Բ 0532	Ղ 0542	Ի 0552	Բ 0562	Ղ 0572	Լ 0582
3	Գ 0533	Ճ 0543	Փ 0553	Դ 0563	Ճ 0573	Վ 0583
4	Դ 0534	Մ 0544	Բ 0554	Դ 0564	Մ 0574	Ք 0584
5	Ե 0535	Յ 0545	Օ 0555	Ե 0565	Ե 0575	Օ 0585
6	Զ 0536	Ն 0546	Յ 0556	Զ 0566	Ն 0576	Ֆ 0586
7	Է 0537	Շ 0547		Է 0567	Չ 0577	Լ 0587
8	Ը 0538	Ո 0548		Ը 0568	Պ 0578	Ժ 0588
9	Թ 0539	Չ 0549	՛ 0559	Թ 0569	Չ 0579	։ 0589
A	Ժ 053A	Պ 054A	՛ 055A	Ժ 056A	Ս 057A	Ս 058A
B	Ի 053B	Ղ 054B	՛ 055B	Ի 056B	Ղ 057B	
C	Լ 053C	Բ 054C	~ 055C	Լ 056C	Ռ 057C	
D	Խ 053D	Ս 054D	՛ 055D	Խ 056D	Ս 057D	
E	Վ 053E	Վ 054E	՞ 055E	Վ 056E	Վ 057E	
F	Կ 053F	Տ 054F	՛ 055F	Կ 056F	Մ 057F	Գ 058F

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**Uppercase letters**

0531	Ա	ARMENIAN CAPITAL LETTER AYB
0532	Բ	ARMENIAN CAPITAL LETTER BEN
0533	Գ	ARMENIAN CAPITAL LETTER GIM
0534	Դ	ARMENIAN CAPITAL LETTER DA
0535	Ե	ARMENIAN CAPITAL LETTER ECH
0536	Զ	ARMENIAN CAPITAL LETTER ZA
0537	Է	ARMENIAN CAPITAL LETTER EH
0538	Ը	ARMENIAN CAPITAL LETTER ET
0539	Թ	ARMENIAN CAPITAL LETTER TO
053A	Ճ	ARMENIAN CAPITAL LETTER ZHE
053B	Ի	ARMENIAN CAPITAL LETTER INI
053C	Լ	ARMENIAN CAPITAL LETTER LIWN
053D	Խ	ARMENIAN CAPITAL LETTER XEH
053E	Վ	ARMENIAN CAPITAL LETTER CA
053F	Կ	ARMENIAN CAPITAL LETTER KEN
0540	Հ	ARMENIAN CAPITAL LETTER HO
0541	Ջ	ARMENIAN CAPITAL LETTER JA
0542	Ղ	ARMENIAN CAPITAL LETTER GHAD
0543	Չ	ARMENIAN CAPITAL LETTER CHEH
0544	Մ	ARMENIAN CAPITAL LETTER MEN
0545	Ի	ARMENIAN CAPITAL LETTER YI
0546	Ն	ARMENIAN CAPITAL LETTER NOW
0547	Շ	ARMENIAN CAPITAL LETTER SHA
0548	Ո	ARMENIAN CAPITAL LETTER VO
0549	Չ	ARMENIAN CAPITAL LETTER CHA
054A	Պ	ARMENIAN CAPITAL LETTER PEH
054B	Ջ	ARMENIAN CAPITAL LETTER JHEH
054C	Ր	ARMENIAN CAPITAL LETTER RA
054D	Ս	ARMENIAN CAPITAL LETTER SEH
054E	Վ	ARMENIAN CAPITAL LETTER VEV
054F	Տ	ARMENIAN CAPITAL LETTER TIWN
0550	Ր	ARMENIAN CAPITAL LETTER REH
0551	Ց	ARMENIAN CAPITAL LETTER CO
0552	Ի	ARMENIAN CAPITAL LETTER YIWN
0553	Փ	ARMENIAN CAPITAL LETTER PIWR
0554	Ք	ARMENIAN CAPITAL LETTER KEH
0555	Օ	ARMENIAN CAPITAL LETTER OH
0556	Ֆ	ARMENIAN CAPITAL LETTER FEH

**Modifier letters**

0559	՛	ARMENIAN MODIFIER LETTER LEFT HALF RING → 02BD ˘ modifier letter reversed comma → 02BF ˘ modifier letter left half ring → 0314 ˆ combining reversed comma above
055A	՛	ARMENIAN APOSTROPHE = armenian modifier letter right half ring (1.0) → 02BC ˘ modifier letter apostrophe → 02BE ˘ modifier letter right half ring → 0313 ˆ combining comma above
055B	՛	ARMENIAN EMPHASIS MARK = shesht → 02CA ˘ modifier letter acute accent
055C	˘	ARMENIAN EXCLAMATION MARK = batsaganchakan nshan • marks intonation on word, rather than occurring finally
055D	՛	ARMENIAN COMMA = bowt → 02CB ˘ modifier letter grave accent

055E	˘	ARMENIAN QUESTION MARK = hartsakan nshan • marks intonation on word, rather than occurring finally
055F	՚	ARMENIAN ABBREVIATION MARK = patiw

**Lowercase letters**


0560	մ	ARMENIAN SMALL LETTER TURNED AYB • used for phonetic notation
0561	ւ	ARMENIAN SMALL LETTER AYB
0562	բ	ARMENIAN SMALL LETTER BEN
0563	գ	ARMENIAN SMALL LETTER GIM
0564	դ	ARMENIAN SMALL LETTER DA
0565	ե	ARMENIAN SMALL LETTER ECH
0566	զ	ARMENIAN SMALL LETTER ZA
0567	է	ARMENIAN SMALL LETTER EH
0568	ը	ARMENIAN SMALL LETTER ET
0569	թ	ARMENIAN SMALL LETTER TO
056A	ճ	ARMENIAN SMALL LETTER ZHE
056B	ի	ARMENIAN SMALL LETTER INI
056C	լ	ARMENIAN SMALL LETTER LIWN
056D	խ	ARMENIAN SMALL LETTER XEH
056E	Վ	ARMENIAN SMALL LETTER CA
056F	կ	ARMENIAN SMALL LETTER KEN
0570	հ	ARMENIAN SMALL LETTER HO
0571	Ջ	ARMENIAN SMALL LETTER JA
0572	ղ	ARMENIAN SMALL LETTER GHAD
0573	Չ	ARMENIAN SMALL LETTER CHEH
0574	մ	ARMENIAN SMALL LETTER MEN
0575	յ	ARMENIAN SMALL LETTER YI
0576	ն	ARMENIAN SMALL LETTER NOW
0577	շ	ARMENIAN SMALL LETTER SHA
0578	ո	ARMENIAN SMALL LETTER VO
0579	Չ	ARMENIAN SMALL LETTER CHA
057A	պ	ARMENIAN SMALL LETTER PEH
057B	Ջ	ARMENIAN SMALL LETTER JHEH
057C	ր	ARMENIAN SMALL LETTER RA
057D	ս	ARMENIAN SMALL LETTER SEH
057E	վ	ARMENIAN SMALL LETTER VEV
057F	տ	ARMENIAN SMALL LETTER TIWN
0580	ր	ARMENIAN SMALL LETTER REH
0581	ց	ARMENIAN SMALL LETTER CO
0582	լ	ARMENIAN SMALL LETTER YIWN
0583	փ	ARMENIAN SMALL LETTER PIWR
0584	ք	ARMENIAN SMALL LETTER KEH
0585	օ	ARMENIAN SMALL LETTER OH
0586	ֆ	ARMENIAN SMALL LETTER FEH
0587	լ	ARMENIAN SMALL LIGATURE ECH YIWN ≈ 0565 է 0582 լ
0588	յ	ARMENIAN SMALL LETTER YI WITH STROKE • used for phonetic notation

**Punctuation**

0589	։	ARMENIAN FULL STOP = vertsaket • may also be used for historic Georgian texts → 003A : colon
058A	՝	ARMENIAN HYPHEN = yentamna

**Religious symbols**

058D	Չ	RIGHT-FACING ARMENIAN ETERNITY SIGN
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058E  LEFT-FACING ARMENIAN ETERNITY SIGN  
• maps to AST 34.005:1997

**Currency symbol**

058F  ARMENIAN DRAM SIGN

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	059	05A	05B	05C	05D	05E	05F
0		05A0	05B0	05C0	05D0	05E0	05F0
1	0591	05A1	05B1	05C1	05D1	05E1	05F1
2	0592	05A2	05B2	05C2	05D2	05E2	05F2
3	0593	05A3	05B3	05C3	05D3	05E3	05F3
4	0594	05A4	05B4	05C4	05D4	05E4	05F4
5	0595	05A5	05B5	05C5	05D5	05E5	
6	0596	05A6	05B6	05C6	05D6	05E6	
7	0597	05A7	05B7	05C7	05D7	05E7	
8	0598	05A8	05B8		05D8	05E8	
9	0599	05A9	05B9		05D9	05E9	
A	059A	05AA	05BA		05DA	05EA	
B	059B	05AB	05BB		05DB		
C	059C	05AC	05BC		05DC		
D	059D	05AD	05BD		05DD		
E	059E	05AE	05BE		05DE		
F	059F	05AF	05BF		05DF	05EF	

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05E1	ס	HEBREW LETTER SAMEKH
05E2	ע	HEBREW LETTER AYIN
05E3	ף	HEBREW LETTER FINAL PE
05E4	פ	HEBREW LETTER PE
05E5	ץ	HEBREW LETTER FINAL TSADI
05E6	צ	HEBREW LETTER TSADI = zade
05E7	ק	HEBREW LETTER QOF
05E8	ר	HEBREW LETTER RESH
05E9	ש	HEBREW LETTER SHIN
05EA	ת	HEBREW LETTER TAV

**Sign**

05EF שׁ HEBREW YOD TRIANGLE

**Yiddish digraphs**

05F0	װ	HEBREW LIGATURE YIDDISH DOUBLE VAV = tsvey vovn
05F1	ױ	HEBREW LIGATURE YIDDISH VAV YOD
05F2	ײ	HEBREW LIGATURE YIDDISH DOUBLE YOD = tsvey yudn

**Additional punctuation**

05F3	'	HEBREW PUNCTUATION GERESH → 0027 ' apostrophe
05F4	"	HEBREW PUNCTUATION GERSHAYIM → 0022 " quotation mark

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	07C	07D	07E	07F
0	0 07C0	♀ 07D0	⊥ 07E0	⊖ 07F0
1	⊥ 07C1	⊖ 07D1	△ 07E1	⊖ 07F1
2	⊥ 07C2	♀ 07D2	♁ 07E2	⊖ 07F2
3	⊥ 07C3	F 07D3	⊥ 07E3	⊖ 07F3
4	⊥ 07C4	⊥ 07D4	⊥ 07E4	⊖ 07F4
5	⊥ 07C5	b 07D5	♁ 07E5	⊖ 07F5
6	⊥ 07C6	⊥ 07D6	♀ 07E6	♀ 07F6
7	⊥ 07C7	⊥ 07D7	♁ 07E7	♁ 07F7
8	⊥ 07C8	♁ 07D8	⊥ 07E8	⊖ 07F8
9	♀ 07C9	⊥ 07D9	♁ 07E9	⊖ 07F9
A	⊥ 07CA	♁ 07DA	⊥ 07EA	⊖ 07FA
B	⊖ 07CB	⊖ 07DB	⊖ 07EB	
C	⊥ 07CC	⊥ 07DC	⊖ 07EC	
D	⊥ 07CD	♁ 07DD	⊖ 07ED	⊖ 07FD
E	⊥ 07CE	⊥ 07DE	⊖ 07EE	♁ 07FE
F	⊥ 07CF	♀ 07DF	⊥ 07EF	♁ 07FF

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