

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

Doc. Type: Disposition of comments

Title: Disposition of comments on SC2 N 4168 (ISO/IEC FCD 10646 3rd Ed., Information Technology – Universal Coded Character Set (UCS))

Source: Michel Suignard (project editor)

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Comments were received from Armenia, Egypt, Germany, Ireland, Japan, Korea (ROK), U.K, and U.S.A. The following document is the draft disposition of those comments. The disposition is organized per country.

Note – The full content of the ballot comments have been included in this document to facilitate the reading. The dispositions are inserted in between these comments and are marked in **Underlined Bold Serif text**, with explanatory text in *italicized serif*.

As a result of these dispositions, Japan, Korea (ROK), and the USA changed their vote to positive. This only leaves one negative vote (Ireland).

Armenia (comment not related to a vote)

Technical comments

T1. Currency symbols

It is clear idea to combine all the signs, including the monetary one, in one and the same national block, however it is preferable to place Armenian Dram Symbol into Currency Symbols table. Armenian Dram symbol has two horizontal strokes like the majority of the symbols in that table, and those symbols are grouped there together on the basis of functionality and symbolism.

Noted

The preference for moving the Armenian Dram symbol is noted. However a similar argument was made by Armenia in the previous phase and it was not accepted. The rationale was given in the following disposition which still applies (extract from document WG2 N3936, page 2, disposition of comment T1.a) from Armenia):

<<

There is no strict rule concerning the placement of currency symbols in the standard. At this point, many currency symbols are not encoded in the Currency Symbols block, but instead in their script block (for example THAI CURRENCY SYMBOL BAHT in OBF9, GUJARATI RUPEE SIGN in OAF1) or in other block. The table 15.1 in the Unicode Standard (section 15.1) shows these locations. The Currency block tends to be reserved for symbols that are used across multiple script contexts and have no style dependencies with their own script. The script blocks are used when the currency has a close relationship with a letter form in their related script block. This is clearly the case here with the letter form being 0534 ARMENIAN CAPITAL LETTER DA. Based on this, the location stays unchanged.

>>

Egypt: Positive with comments

Technical comments

T1. Arabic character names

The existing Arabic character name used for these letters are not the classical naming, please change to the proposed writing, which will facilitate the understanding for this character by all Arabic speaking users:

- replace all (BEH) with (BA')
- replace all (TEH) with (TA')
- replace all (THEH) with (THA')
- replace all (HAH) with (HA')
- replace all (KHAH) with (KHA')
- replace all (REH) with (RA')
- replace all (ZAIN) with (ZAY)
- replace all (ZAH) with (DHA')
- replace all (FEH) with (FA')
- replace all (HEH) with (HA)
- replace all (YEH) with (YA')
- replace (WASLA) with (WASL)

Not accepted

This comment is almost verbatim the same that was done for the CD ballot and was not accepted. The disposition from the CD ballot (document WG2 N3936, page 3) is provided with slight editorial fixes to take into account what was actually done in the FCD text:

<<

There are several reasons to not accept this request:

- 1) *The current names have been in use for a long time in ISO/IEC character standards, not only in ISO/IEC 10646, but also ISO/IEC 8859-6 and others.*

2) Per sub-clause 24.2 the character names cannot include an apostrophe.

3) Per clause 7, the character names cannot be changed.

A short note has been added in the Arabic block (0600-06FF) for Arabic letters 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, U+0628 ARABIC LETTER BEH has a Literary Arabic pronunciation of ba'.

>>

Germany: Positive with comments

Technical comments

T1. ARABIC LETTER REH WITH LOOP

The name of the proposed character U+08AA ARABIC LETTER REH WITH LOOP obviously is mistyped (at the beginning, an "A" is missing).

Proposed change by Germany

U+08AA ARABIC LETTER REH WITH LOOP

Withdrawn

The typo was present in preliminary charts, but the FCD document is correct.

T2. BATAK SYMBOLS

The following proposed characters:

1BFA BATAK SYMBOL BINDU GODANG

1BFB BATAK SYMBOL PINARJOLMA

are part of the Batak script, and necessary to represent Batak texts in a typographically appropriate way

Proposed change by Germany

Germany opposes to requests to remove these characters from the FCD, if such are raised.

Noted

See disposition of comment T2 from US.

T3. RAISED SYMBOLS (2E33-2E34)

The names of the following proposed characters:

U+2E33 RAISED DOT

U+2E34 RAISED COMMA

which are to be displayed slightly above of the baseline, are misleading, as the term "raised" in the names of Unicode characters until now denotes a position above the x-height line, as for:

U+18DF CANADIAN SYLLABICS FINAL RAISED DOT

U+2E0C LEFT RAISED OMISSION BRACKET

For more details, see document JTC1/SC2/WG2 N3984

Proposed change by Germany

Germany requests not to introduce unnecessary arbitrariness and inconsistency into Unicode character naming.

Germany suggests the following names for the proposed characters:

U+2E33 LIFTED DOT

U+2E34 LIFTED COMMA

For more details, see document JTC1/SC2/WG2 N3984.

Accepted in principle

An annotation will be added to the first character (2E33RAISED DOT) as follows:

** glyph position between positions used for 002E full stop and 00B7 middle dot.*

This covers in principle the next character (2E34 RAISED COMMA) as well.

T4. LATIN LETTER GLOTTAL DOT (2E33-2E34)

The following proposed character:

U+A78F LATIN LETTER GLOTTAL DOT

is required for the applications shown in document JTC1/SC2/WG2 N3567.

More applications are shown in document JTC1/SC2/WG2 N3984.

Also, it is typographically distinct from U+00B7 MIDDLE DOT.

For more details, see document JTC1/SC2/WG2 N3984.

Proposed change by Germany

Germany strongly opposes to requests to remove this character from the FCD, if such are raised.

Germany suggests the name and annotations to be changed to:

U+A78F LATIN LETTER ELEVATED DOT

= turned full stop (referring to metal type)

- usually displayed at x-height
- used as glottal dot in transliteration for Phags-Pa and phonetic transcription for Tangut

For more details, see document JTC1/SC2/WG2 N3984.

Noted

See disposition of comment T1 from US.

T5. Addition to collection 288 MULTILINGUAL LATIN SUBSET

The following proposed character:

U+2E3A TWO-EM DASH

was accepted after the German request which yielded the inclusion of the character collection 288 "Multilingual Latin Subset" in the current FCD. This character collection contains the characters which can be input by means described in the current version of the keyboard standard ISO/IEC 9995-3. However, the current draft of the German keyboard standard DIN 2137 has added U+2E3A TWO-EM DASH to the list of imputable characters by extending that means, and Germany will request to add this character to ISO/IEC 9995-3 on the next due revision.

Proposed change by Germany

Germany requests the addition of U+2E3A TWO-EM DASH to the character collection 288 "Multilingual Latin Subset".

Withdrawn

Although the comment is withdrawn, there is need to fix discrepancy on the description of the collection 288 in ISO/IEC 10646.

That collection was never part of an amendment and was added directly to the text of 10646 2nd edition per resolution WG2 M55.11. The intent of the addition as reflected in documents N3685 and N3704 has an ambiguous aspect, which is either the collection should be 'fixed' or not. N3685 used the following line:

*284 MIS-1 see A.4.4 **



[284 and MIS-1 were tentative values which were changed into 288 and MULTILINGUAL LATIN SUBSET] The '' typically denotes a fixed collection, but the resolution M55.11 (part of N3704) did not clarify that point. The 2nd edition of 10646 does not have '*' after 288, but in sub-clause A.5.8 the collection 288 is mentioned as 'fixed'. To fix that discrepancy, a '*' will be added in sub-clause A.1 for collection 288.*

Ireland, Negative

Ireland disapproves the draft with the editorial comments given below. Acceptance of these comments and appropriate changes to the text will change our vote to approval.

Technical comments

T1. Page 219, Row 1BC: Batak

Ireland reiterates its support for the characters being balloted at 1BFA and 1BFB. Ireland opposes the removal of these characters from the CD as it has been demonstrated that they have been set in lead type as text elements, regardless of the fact that the glyphs in handwritten manuscripts are often larger and more ornate. We note that the same could be said for illuminated initial Latin letters in the Book of Kells. We would favour reducing the size of the code chart glyph from  to . The size is merely glyph variation. The characters' semantic is to indicate the beginning of documents, just as similar characters in Tibetan and Sundanese and Javanese do.

Noted

See disposition of comment T2 from US.

T2. Page 1063, Row A72: Latin Extended-D

Ireland reiterates its support for the character being balloted at A78F, LATIN LETTER GLOTTAL DOT. Ireland opposes the removal of A78F LATIN LETTER GLOTTAL DOT from the FCD. We note that WG2 has changed its name from LATIN LETTER MIDDLE DOT (as it was in the CD) to prevent any confusion between this letter and the punctuation mark 00B7 MIDDLE DOT. The character is required for use as a phonetic letter (not a punctuation mark) in transcriptions of Tangut and Chinese, and our approval of this ballot is in part contingent upon the retention of this letter in the Standard.

Noted

See disposition of comment T1 from US.

T3. Page 1211, Row 109A: Meroitic Cursive

Because of the appearance of a recent article by Jochen Hallof in Beiträge zur Sudanforschung vol. 10 (2009), entitled “Ein meroitisches Zahlenostrakon aus Qasr Ibrim”, presenting Meroitic numbers from 1 up to 900,000, Ireland requests the removal of the Meroitic fractions and numbers of the characters 109C0..109F0 from the FCD pending further study. We hope to have this study complete before the Helsinki meeting.

Accepted

The study was not completed before the disposition of comment in Helsinki. Therefore, the following characters are removed from the Meroitic Cursive block:

(109C0..109CA, 109CC..109D9, 109DB..109DC, 109DE..109E5, 109E7..109E9, 109EB, 109F0)

The remaining characters and the block size stay unchanged.

Editorial comments

E1. Page 124, Row 098: Bengali

Ireland recommends that the rather inconsistent font used for Bengali be replaced with the one given in the table shown below. [see chart at end of this document]

Not accepted

The table should be reviewed by experts before approval, especially concerning these points:

- *Horizontal position of combining marks,*
- *Significant glyph changes (e.g. 09C2, 09C4)*
- *Relative size of Bengali-specific additions (09F0-09FB) to the rest.*

E2. Page 259, Row 20D: Combining Diacritical Marks for Symbols

Ireland recommends that the erroneous dotted circles in 20E4, 20E5, 20E6, 20E7, and 20E8 be corrected.

Accepted

E3. Page 1080, Row AAE: Meetei Mayek Extensions

Ireland suggests that the chart glyph for AAF6 should be harmonized with that for 1039, 1A60, and 10A3F.

Accepted

This means that a new dotted circle will be added within the frame, similarly to the presentation used for 1039, 1A60 and 10A3F.

E4. Page 1223, Row 1110: Chakma

Ireland suggests that the chart glyph for 11133 should be harmonized with that for 1039, 1A60, and 10A3F.

Accepted

See comment E3.

E5. Page 1320, Row 1F0A: Playing Cards

Ireland recommends that the font used for Playing Cards be replaced with the one given in the table shown below. The shapes of the suits and the face cards are more distinct in the new font, and are more recognizable. [see chart at end of this document]

Accepted

Japan, Negative

JP.1 (Editorial): Foreword, last paragraph

“ISO/IEC 10646:2010” is wrong.

Proposed change by Japan

“ISO/IEC 10646:2011”

Accepted

JP.2 (Editorial): Sub-clause 4.4, Note

“(see 0)” is wrong.

Proposed change by Japan

“(see 4.23)”

Accepted

JP.3 (Editorial): Sub-clause 9.1, Table 2

On the third row, the first letter “z” is mistakenly capitalized.

Proposed change by Japan

“zzzyyyyyyyxxxxx”

Accepted

JP.4 (Editorial): Sub-clause 9.2, Table 4

On the first row, the first letter “x” is mistakenly capitalized.

Proposed change by Japan

“xxxxxxxxxxxxxxxxx”

Accepted

JP.5 (Editorial): Sub-clause 11, Note 2 (end of)

“ISO/IEC 6492” is wrong.

Proposed change by Japan

“ISO/IEC 6429”

Accepted

JP.6 (Technical): Sub-clause 16.5, Variations selectors and variation sequence, Note 2

This note explicitly cites the "version 2007-12-14" of IVD. However, the UTS#37, normatively referred to by 10646, designates the IVD as "http://www.unicode.org/ivd", with no version indication, that always refers to the latest version of IVD. So the IVSes allowed in 10646 is those listed in the latest version of the IVD.

Proposed change by Japan

Change "version 2007-12-14" to "version 2010-11-14" in the text. (URL is correct.).

Accepted

See also comment T1 from UK.

JP.7 (General): Sub-clause 23.5 and 31.3, Code charts for CJK Compatibility Ideographs and their format

The new code charts for CJK Compatibility Ideographs have problems: (a) Representative glyphs for KP-source compatibility ideographs seem not from the corresponding KP source standards; (b) Each cell now shows the corresponding unified ideograph let by "≡" sign with a representative glyph, and Japan considers it is not a good idea to show only one representative glyph (especially that from a different source group than the compatibility ideograph is from.)

Proposed change by Japan

Revert the code charts and the explanation of the code chart format, i.e., use the single column format as before.

Otherwise, update the code charts appropriately (under the new format.)

Not accepted

- Concerning item a) (glyph differences from KP source standard), the new chart uses the same DPRK source font that was used to represent glyph in the single column format. If there are differences between any published DPRK standard and the current chart, explicit evidences should be provided to the editor.
- Concerning item b) (unified ideograph let by "≡" sign) the single column format has the same issue, so reverting to the old format would not improve the situation.

The editor is open to suggestion in how to describe the unified ideograph (at the right of the "≡" sign) if other NBs see the need. It is also possible to create tables to pick another glyph for the 'unified' ideographs, including selecting the unified ideograph from the same source if the compatibility ideograph has a single source. However, that would be an issue for compatibility ideographs that have multiple sources.

The Japanese NB and other experts are invited to make contribution on this topic.

On the context of the FCD of the 3rd edition, most experts see the new format as a significant improvement and because all issues raised by Japan already exist in the previous format, there is no need to revert back to it.

JP.8 (General): Sub-clause 31.3, Name lists for CJK compatibility ideographs

The new name lists for CJK compatibility ideographs have problems: (a) Some classification (grouping) doesn't make sense and confuse readers rather than help understanding (e.g., J3-763B is classified under "Pronunciation variants from KS X 1001:1998" but it is absolutely not); (b) Many of additional information led by "→" seem inappropriate and don't make sense..

Proposed change by Japan

Revise the list accordingly

Accepted in principle

The grouping (item a) is the same as the single column format, so this is not a new issue, even if the new multicolumn format reveals some limitation of the grouping. The issue mentioned by Japan concerning J3-763B arose because Japan recycled a KS X entry for its own usage, and because J sources are ordered before K sources, the J sources appear first.

The grouping issue will be solved by adding annotation in relevant groups (such as KSX 1001:1998 for F900-FA0B), explaining that that they may contain characters from other sources not related to these categories. Concerning b), the additional information pointed to by (such as for F9B8 and FAD4) are appropriate and describes original mapping errors that cannot be fixed because of mapping immutability. The editor is open to suggestion to better describe the issues if current text does not make sense to some NBs.

JP.9 (General): Sub- clause 31.3 Code chart for CJK Ideographs Extension C and D

Japan understood that those code charts are exactly as in their corresponding amendments, but they are revised unexpectedly in the 2nd edition. Japan considers those in the amendments are better. Moreover, [more text missing?].

Proposed change by Japan

Revert the change

Not accepted

There should not be any difference between the 2nd and 3rd edition. Concerning Extension C, the production tool changed significantly between the Amendment that added it (Amd5) and these new editions. This has introduced some errors such as 2AAC9 that have been captured (ref SC2 N4176) and will be fixed in this edition. In addition, Taiwan also went through a revision of its Ext C source characters. All this to say that these blocks are not static and can evolve after an amendment is adopted. Furthermore, it is not possible to revert to the original Amendment 5 production environment.

Concerning ext D, the editor is not aware of any issue but will fix any if made aware of specifics.

JP.10 (General): Sub- clause 31.3 Code chart for CJK Ideographs Extension B

Reflect the review report by IRG

Proposed change by Japan

Update accordingly

Accepted

JP.11 (Editorial): Sub-clause A.4.3, Last sentence

“See 0” is wrong.

Proposed change

“See 23.1”

Accepted

JP.12 (Editorial): Sub-clause A.5.5, First bullet

“See 023.1” is wrong.

Proposed change

“See 23.1”

Accepted

JP.13 (Editorial): Annex M, Glagolitic

Title of ISO 6861 is wrong; it lacks a word “alphabet”.

Proposed change

Insert “alphabet” as “Glagolitic alphabet coded”

Accepted

JP.14 (Editorial): Annex M, Latin

Title of ISO 6937 is wrong; a singular word “set” is mistakenly spelled as “sets”.

Proposed change

Change “sets” to “set” as “Coded graphic character set”

Accepted

JP.15 (Editorial): Annex I.1.2, Row for “SURROUND FROM BELOW” in Table I.1

The "IDS examples represents" column for the row is inappropriate, because it shows 𠄎 inside while the corresponding IDS has 𠄎 as D2.

Proposed change

Use a correct picture as in the 2003 edition.

Accepted in principle

This edition code characters for this table, but the example will use 2067D [𠄎] instead of 51F7 [𠄎]. This will be then equivalent to the example shown in the 2003 edition.

JP.16 (General): Clause S.1.4.3, Chart of examples

(The same comment has been submitted as a part of the ballot comment against FDIS 10646 2nd Ed.)

Project editor introduced several issues by his changes to Annex S examples. IRG discussed on many of them and reverted most of the problematic changes. However, changes on S.1.4.3 were not found until recently.

The circled examples in the following chart taken from the current draft have problems because they don't make any sense or they change the intension of examples:

扌·擴, 策·筭, 然, 圣·聖, 夨·僉, 区·區, 夾·夾,
單·單, 萑·萑, 戔·戔 贊·贊, 襄·襄, 戡·戡, 間·間,
朶·朶, 隹·隹, 恒·恆, 奂·奂, 从·从, 秦·秦, 𠄎·𠄎

when compared to the corresponding examples in the 2003 edition of ISO/IEC 10646:

扌·擴, 策·筭, 灬·然, 亠·亘,
 僉·僉, 区·區, 夾·夾, 单·單,
 隹·隹, 彡·彡, 贊·贊, 襄·襄,
 隹·隹, 間·間, 朶·朶, 隹·隹,
 恒·恆, 奂·奂, 亻·亻, 冫·冫,
 爻·爻

The first two circled examples in the current draft don't make any sense, because there is no chance that one thinks two ideographs with the components are subject to unification; while corresponding examples in 2003 edition are helpful because many experienced users of ideographs may misunderstand two ideographs with the components can be unified.

The last four circled examples in the current draft are valid; they show misleading cases. However, the examples in the current draft have less value than those in the 2003 edition, because they appear the cases are only applicable to the specific combinations of components as shown, while in 2003 edition the corresponding examples covered any patterns combined with the shown components.

Proposed change

Revert the examples in S.1.4.3 to those in 2003 edition.

Accepted in principle

The intent of the update was to update the example content from picture based to font based to provide a better quality document. Because sometimes, examples are not actual ideograph but fragment that are not separately encoded, this has proved challenging. As in the sub-clause S.1.5, some of the examples will be reversed back to pictures when no good alternative exists.

The examples from the 2003 edition for which there are no font based solution will be reverted to pictures. This will address all 'circled' cases. Worth noting that in the following examples:

灬·然, 隹·隹, and 隹·隹

One or more glyph in each pair is only represented in the standard as component, therefore these pair should also be represented with dotted rectangles as well.

JP.17 (Technical): Sub-clause S.1.6, G-Source

The list of G-source standards is updated from 2nd Ed. by adding two new ones: GB 12052-90 and GB 15564-1995. Japan believes adding them here is wrong, since this particular subclause is primarily a record of what we did when we created the very first CJK UNIFIED IDEOGRAPHS block and we didn't see these two standards.

Proposed change

Remove "GB 12052-90" and "GB 15564-1995".

Accepted

Some of the G sources characters were not in any of the original sources as previously described in the standard. Appropriately, the 2 new sources mentioned above were added to the G source list in sub-clause 23.1. However, none of the characters originated from these 2 sources are affected by the source separation rule described in S.1.6.

As a result of these dispositions Japan changes its vote to Positive

Korea (ROK): Negative

R.O. Korea will change its vote to "Yes" if the following request is accepted.

Technical comments:

T1 Annotations for U11xx and U31xx

- Rep. of Korea suggests that annotations for U11xx and U31xx be added.

- The list of annotations are in Annexes 1 and 2.

Annex 1. 30 annotations for U11xx characters.

1109 ㅅ HANGUL CHOSEONG SIOS

• voiceless lenis alveolar fricative consonant

110A ㅆ HANGUL CHOSEONG SSANGSIOS

• voiceless unaspirated glottalized alveolar fricative consonant

110B ㅇ HANGUL CHOSEONG IEUNG

• zero sound

110C ㅈ HANGUL CHOSEONG CIEUC

• voiceless or voiced lenis alveolar affricate consonant

110D ㅊ HANGUL CHOSEONG SSANGCIEUC

• voiceless unaspirated glottalized alveolar affricate consonant

110E ㅊ HANGUL CHOSEONG CHIEUCH

• voiceless aspirated alveolar affricate consonant

1112 ㅎ HANGUL CHOSEONG HIEUH

• voiceless glottal fricative consonant

113C ㅌ HANGUL CHOSEONG CHITUEUMSIOS

• voiceless lenis dental fricative consonant

113D ㅎ HANGUL CHOSEONG CHITUEUMSSANGSIOS

• voiceless glottalized dental fricative consonant

113E ㅎ HANGUL CHOSEONG CEONGCHIEUMSIOS

• voiceless lenis retroflex fricative consonant

113F ㅎ HANGUL CHOSEONG CEONGCHIEUMSSANGSIOS

• voiceless glottalized retroflex fricative consonant

1140 ㅍ HANGUL CHOSEONG PANSIOS

• voiced alveolar fricative consonant

114C ㅂ HANGUL CHOSEONG YESIEUNG

• velar nasal consonant

114E ㅃ HANGUL CHOSEONG CHITUEUMCIEUC

• voiceless or voiced lenis dental affricate consonant

114F ㅅ HANGUL CHOSEONG CHITUEUMSSANGCIEUC

• voiceless unaspirated glottalized dental affricate consonant

1150 ㅆ HANGUL CHOSEONG CEONGCHIEUMCIEUC

• voiceless or voiced lenis retroflex affricate consonant

1151 ㅈ HANGUL CHOSEONG CEONGCHIEUMSSANGCIEUC

• voiceless unaspirated glottalized retroflex affricate consonant

1154 ㅊ HANGUL CHOSEONG CHITUEUMCHIEUCH

• voiceless aspirated dental affricate consonant

1155 ㅊ HANGUL CHOSEONG CEONGCHIEUMCHIEUCH

• voiceless aspirated retroflex affricate consonant

1159 ㆁ HANGUL CHOSEONG YEORINHIEUH

• glottal stop consonant

119E ㄹ HANGUL JUNGSEONG ARAEA

- rounded open-mid back vowel
- 11BA ㅑ HANGUL JONGSEONG SIOS
- voiceless lenis alveolar fricative consonant
- 11BB ㅓ HANGUL JONGSEONG SSANGSIOS
- voiceless unaspirated glottalized alveolar fricative consonant
- 11BC ㅕ HANGUL JONGSEONG IEUNG
- velar nasal consonant
- 11BD ㅛ HANGUL JONGSEONG CIEUC
- voiceless or voiced lenis alveolar affricate consonant
- 11BE ㅜ HANGUL JONGSEONG CHIEUCH
- voiceless aspirated alveolar affricate consonant
- 11C2 ㅟ HANGUL JONGSEONG HIEUH
- voiceless glottal fricative consonant
- 11EB ㅝ HANGUL JONGSEONG PANSIOS
- voiced alveolar fricative consonant
- 11F0 ㅞ HANGUL JONGSEONG YESIEUNG
- velar nasal consonant
- 11F9 ㅟ HANGUL JONGSEONG YEORINHIEUH
- glottal stop consonant

Annex 2. 6 annotations for U31xx characters.

- 3147 ㅛ HANGUL LETTER IEUNG
 - zero sound as initial or velar nasal consonant as final
 - 314E ㅟ HANGUL LETTER HIEUH
 - voiceless glottal fricative consonant
 - 317F ㅝ HANGUL LETTER PANSIOS
 - voiced alveolar fricative consonant
 - 3181 ㅞ HANGUL LETTER YESIEUNG
 - velar nasal consonant
 - 3186 ㅟ HANGUL LETTER YEORINHIEUH
 - glottal stop consonant
 - 318D ㅑ HANGUL LETTER ARAEA
 - rounded open-mid back vowel
- * Note. Currently U3181 and U3186 has annotations. R.O.Korea suggests that the current annotations be replaced by the ones suggested above.
- 3181 ㅞ HANGUL LETTER YESIEUNG
 - old velar nasal
 - 3186 ㅟ HANGUL LETTER YEORINHIEUH
 - old glottal stop

Accepted in principle

Similar requests have been made in previous ballots concerning the 2nd and 3rd edition which were all withdrawn during comment disposition. These requests were trying to add annotation for all 50 Hangul Compatibility Jamos (3131-318E). This is now replaced by annotation requests for 36 possibly visually confusable characters:

- a) 30 Jamos (in area 1100-11FF), including 20 initial consonants (Choseong), 1 medial vowel (Jungseong), and 9 final consonants (Jongseong) and
- b) 6 Hangul Compatibility Jamos in area 3130-318F)

The annotations for the 9 final consonants are identical to the related initial consonants with one exception: 110B HANGUL CHOSEONG IEUNG (zero sound) versus 11BC HANGUL JONGSEONG IEUNG (velar nasal consonant), and the 6 Hangul Compatibility Jamos are again a subset of the consonant/vowel annotated in the 11xx block.

In addition, the terms ‘affricate, fricative, and stop’ denote consonant and make the ending ‘consonant’ unnecessary in those instances. Finally, the term ‘unaspirated glottalized’ is typically not used as a contrasting version of ‘lenis’, but instead the term ‘fortis’ should be used.

As a result of these findings, the following annotations will be added:

Hangul Jamo block (1100-11FF)

- 1109 ㅅ HANGUL CHOSEONG SIOS
 - voiceless lenis alveolar fricative
- 110A ㅆ HANGUL CHOSEONG SSANGSIOS
 - voiceless fortis alveolar fricative
- 110B ㅇ HANGUL CHOSEONG IEUNG
 - zero sound
- 110C ㅈ HANGUL CHOSEONG CIEUC
 - voiceless or voiced lenis alveolar affricate
- 110D ㅊ HANGUL CHOSEONG SSANGCIEUC
 - voiceless unaspirated fortis alveolar affricate
- 110E ㅊ HANGUL CHOSEONG CHIEUCH
 - voiceless aspirated alveolar affricate
- 1112 ㅎ HANGUL CHOSEONG HIEUH
 - voiceless glottal fricative
- 113C ㄷ HANGUL CHOSEONG CHITUEUMSIOS
 - voiceless lenis dental fricative
- 113D ㅌ HANGUL CHOSEONG CHITUEUMSSANGSIOS
 - voiceless fortis dental fricative
- 113E ㄸ HANGUL CHOSEONG CEONGCHIEUMSIOS
 - voiceless lenis retroflex fricative
- 113F ㅍ HANGUL CHOSEONG CEONGCHIEUMSSANGSIOS
 - voiceless fortis retroflex fricative
- 1140 ㅍ HANGUL CHOSEONG PANSIOS
 - voiced alveolar fricative
- 114C ㅇ HANGUL CHOSEONG YESIEUNG
 - velar nasal consonant
- 114E ㅈ HANGUL CHOSEONG CHITUEUMCIEUC
 - voiceless or voiced lenis dental affricate
- 114F ㅊ HANGUL CHOSEONG CHITUEUMSSANGCIEUC
 - voiceless unaspirated fortis dental affricate
- 1150 ㅈ HANGUL CHOSEONG CEONGCHIEUMCIEUC
 - voiceless or voiced lenis retroflex affricate
- 1151 ㅊ HANGUL CHOSEONG CEONGCHIEUMSSANGCIEUC
 - voiceless unaspirated fortis retroflex affricate
- 1154 ㅊ HANGUL CHOSEONG CHITUEUMCHIEUCH
 - voiceless aspirated dental affricate
- 1155 ㅊ HANGUL CHOSEONG CEONGCHIEUMCHIEUCH
 - voiceless aspirated retroflex affricate
- 1159 ㅇ HANGUL CHOSEONG YEORINHIEUH
 - glottal stop
- 119E ㅝ HANGUL JUNGSEONG ARAEA
 - rounded open-mid back vowel
- 11BC ㅇ HANGUL JONGSEONG IEUNG
 - velar nasal consonant

Hangul Compatibility Jamo (3130-318F)

- 3147 ㅇ HANGUL LETTER IEUNG
 - zero sound as initial or velar nasal consonant as final

- 314E ㅎ HANGUL LETTER HIEUH
 - voiceless glottal fricative
- 317F △ HANGUL LETTER PANSIOS
 - voiced alveolar fricative
- 3181 ㅇ HANGUL LETTER YESIEUNG
 - velar nasal consonant
- 3186 ㆁ HANGUL LETTER YEORINHIEUH
 - glottal stop
- 318D ㅝ HANGUL LETTER ARAEA
 - rounded open-mid back vowel

United Kingdom: Positive with comments

Editorial comments

E.1. Sub-clause 16.5

“This International Standard incorporates by reference the variation sequences listed in version 2007-12-14 of the Ideographic Variation Database”

The version referenced should be “2010-11-14”

Proposed change:

Change to:

“This International Standard incorporates by reference the variation sequences listed in version 2010-11-14 of the Ideographic Variation Database”.

Accepted

See also comment JP6 from Japan.

E.2. Sub-clause 23.1

The G-source “ZhongHua ZiHai” is incorrectly capitalized.

Proposed change:

Capitalize as “Zhonghua Zihai”

Accepted

E.3. Sub-clause 23.2, 23.4

“2nd field: Radical-Stroke index (d{1,3}'.d{1,2}). This informative field contains radical index (one to three digits), optionally followed by an apostrophe for alternate index, followed by a full stop, and ending by one or two digits for the stroke count. NOTE 2 – All ideographs are classified following radical/stroke indexes in various CJK dictionaries. The primary value provided in this field is the most common one, while alternate indexes provide variant values also in use. More information is available in the Unicode Standard UAX#38 Unicode Han Database at <http://www.unicode.org/reports/tr38/>.”

The description of the Radical-Stroke index in 23.2 and 23.4 is confusing. Firstly, the optional apostrophe following the radical index indicates a simplified form of the radical, not an “alternate index”. Secondly, in 23.2 Note 2 it is not clear what the “alternate indexes” refer to; it could be read to mean that multiple radical-stroke indexes are provided in this field (a primary index and alternate indexes), although only a single radical-stroke index is given for each character.

Proposed change:

In 23.2 change to:

“2nd field: Radical-Stroke index (d{1,3}'.d{1,2}). This informative field contains a radical index (one to three digits), optionally followed by an apostrophe for simplified radicals, followed by a full stop, and ending with one or two digits for the stroke count. NOTE 2 – All ideographs are classified following radical/stroke indexes in various CJK dictionaries. The value provided in this field is the most common one. More information is available in the Unicode Standard UAX#38 Unicode Han Database at <http://www.unicode.org/reports/tr38/>.”

In 23.4 change to:

“3rd field: Radical-Stroke index (d{1,3}.d{1,2}). This informative field contains a radical index (one to three digits), optionally followed by an apostrophe for simplified radicals, followed by a full stop, and ending with one or two digits for the stroke count.”

Accepted

E.4. Clause 29

“The TIP (plane 03) is used for ancient ideographic scripts that are related but not classified as CJK unified ideographs. No character is encoded in the TIP.”

The grammar of these two sentences is awkward.

Proposed change:

Change to:

“The TIP (plane 03) is used for ancient ideographic scripts that are related to but not classified as CJK unified ideographs. No characters are currently encoded in the TIP.”

Accepted

E.5. Clause 30

“The SSP (plane 0E) is used for special purpose use graphic characters.”

Tag characters in the SSP are format characters not graphic characters.

Proposed change:

Change to:

“The SSP (plane 0E) is used for special purpose use graphic characters and format characters.”

Accepted

E.6. Sub-clause S.1.4.3

Some of the examples illustrating different structure of corresponding ideographic components are incorrect or suboptimal compared with the examples given in the 2003 edition of the standard. In particular the 3rd and 9th examples show pairs of unrelated components that could not be mistaken as being subject to unification.

Proposed change:

Revert to the examples given in ISO/IEC 10646:2003 S.1.4.3.

Accepted in principle

See disposition of comment JP16 from Japan.

USA: Negative with comments

Technical comments:

T.1. Latin Extended-D

We reiterate that this character is unnecessary and is a damaging duplication for the standard and should be removed from the amendment. The change of name to “GLOTTAL DOT” only introduced additional problems, for it specifically mentions the function of the character, and opens the door for potential future requests for "non-glottal" middle dot letters as well.

Justification for the request to remove this character is contained in N3678 (L2/09 - 278). A viable alternative to encoding a separate letter middle dot, for the purposes cited by the original proposal, would be to use the already encoded modifier letter, U+02D1 MODIFIER LETTER HALF TRIANGULAR COLON.

Proposed change:

The U.S. objects to the renaming of LATIN LETTER MIDDLE DOT from the original amendment to U+A78F LATIN LETTER GLOTTAL DOT, as it is a middle dot, and requests the removal of this character.

Accepted in principle

The proposed character is renamed LATIN MIDDLE DOT and pushed to the next amendment in the same proposed location: U+A78F for further feedback.

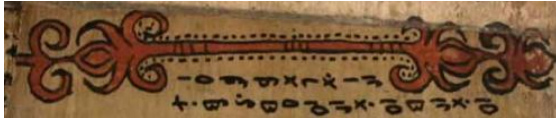
See also comments T4 from Germany and T2 from Ireland.

T.2. Batak

The evidence provided in N3320 does not demonstrate these marks to be characters, but rather to be graphic page elements that do not behave at all as characters.

Compare the following two figures from N3320.

U+ 1BFA BATAK SYMBOL BINDU GODANG in figure 11:



U+1BFB BATAK SYMBOL BINDU PINARJOLM in figure 13 :



In the above examples, it is clear that the symbols are large ornaments, with text wrapping underneath them. In our assessment such elements should be represented by images, textual markup, or other mechanisms rather than being encoded as single characters.

Proposed change:

The U.S. requests the removal of the following two characters:

1BFA BATAK SYMBOL BINDU GODANG

1BFB BATAK SYMBOL BINDU PINARJOLM

Accepted

T.3. Optical Character Recognition

The names for U+2448 and U+2449 are Magnetic Ink Character Recognition (MICR) symbols used by banks on checks. The two characters U+2448 and U+2449 originally encoded in 10646-1:1993 were inadvertently mixed up; as a result their current names are misleading about their identity. The formal aliases provide the correct names.

Additional corroboration is provided on the following websites: <http://www.barcodesoft.com/e13bmapping.htm>

http://en.wikipedia.org/wiki/Magnetic_ink_character_recognition

<http://www.printer.com/fonts2C.htm> <http://mindprod.com/jgloss/micr.html>

Proposed change:

The U.S. asks two formal name aliases be added as listed below:

a. U+2448 OCR DASH

Add the following formal alias: 2448 MICR ON US SYMBOL

b. U+2449 OCR CUSTOMER ACCOUNT NUMBER

Add the following formal alias: 2449 MICR DASH SYMBOL

Accepted

T.4. NUSI.txt

Adding named sequences for 2 symbols from ISO/IEC 9995-7 is premature, pending a complete analysis of the encoding requirements for the repertoire of symbols from that keyboard standard.

Proposed change:

The U.S. requests the removal of the following two named sequences, as requested in N3897:

U+21F3 U+20E2 KEYBOARD SYMBOL SCROLLING

U+2139 U+20E2 KEYBOARD SYMBOL HELP

Accepted

Editorial comments:

E.1. CJK Fonts

The U.S. is aware of a large number of glyph errors in Extension B fonts that have been discovered in the course of IRG and national body review. These glyph errors must be fixed before publication of the third edition.

Accepted

See comment JP10 from Japan

E.2. Arrows

The proposed glyph changes, as proposed in N3897, need further review, as part of the full analysis of the encoding requirements for the repertoire of symbols from the ISO 9995-7 keyboard standard.

Proposed change:

The U.S. requests the glyph changes for U+21E6 - U+21F0 and U+21F3 in the Arrows block, as included in the current ballot, be reverted. While the U.S. is open to improvements to glyphs, the new glyphs are out of sync with the set of arrows at U+2B00-U+2B04 in the Miscellaneous Symbols and Arrows block.

Accepted

As a result of these dispositions US NB changes its vote to Positive

	098	099	09A	09B	09C	09D	09E	09F
0		৐ 0990	ঠ 09A0	৐ 09B0	ী 09C0		ঐ 09E0	ঐ 09F0
1	ে 0981		ড 09A1		ু 09C1		ঐ 09E1	ঐ 09F1
2	ে 0982		ঢ 09A2	ল 09B2	ু 09C2		ু 09E2	় 09F2
3	ে 0983	ে 0993	ণ 09A3		ু 09C3		ু 09E3	ট 09F3
4		ে 0994	ত 09A4		ু 09C4			় 09F4
5	ত্র 0985	ক 0995	থ 09A5					় 09F5
6	ত্রা 0986	খ 0996	দ 09A6	শ 09B6			০ 09E6	় 09F6
7	ত্রা 0987	গ 0997	ধ 09A7	ষ 09B7	ে 09C7	ী 09D7	় 09E7	় 09F7
8	ত্রা 0988	ঘ 0998	ন 09A8	স 09B8	ে 09C8		় 09E8	় 09F8
9	ত্রা 0989	ঙ 0999		হ 09B9			৩ 09E9	০ 09F9
A	ত্রা 098A	চ 099A	প 09AA				৪ 09EA	৩ 09FA
B	ত্রা 098B	ছ 099B	ফ 09AB		ে 09CB		৫ 09EB	৮ 09FB
C	ত্রা 098C	জ 099C	ব 09AC	় 09BC	ে 09CC	ড় 09DC	৬ 09EC	
D		ঝ 099D	ভ 09AD	হ 09BD	় 09CD	ঢ 09DD	৭ 09ED	
E		ঞ 099E	ম 09AE	া 09BE	ে 09CE		৮ 09EE	
F	ত্রা 098F	ঢা 099F	য 09AF	ি 09BF		য় 09DF	৯ 09EF	

Various signs

0981	◌◌	BENGALI SIGN CANDRABINDU
0982	◌◌	BENGALI SIGN ANUSVARA
0983	◌◌	BENGALI SIGN VISARGA

Independent vowels

0985	অ	BENGALI LETTER A
0986	আ	BENGALI LETTER AA
0987	ই	BENGALI LETTER I
0988	ঈ	BENGALI LETTER II
0989	উ	BENGALI LETTER U
098A	ঊ	BENGALI LETTER UU
098B	ৗ	BENGALI LETTER VOCALIC R
098C	৘	BENGALI LETTER VOCALIC L
098D	◌◌	<reserved>
098E	◌◌	<reserved>
098F	এ	BENGALI LETTER E
0990	ঐ	BENGALI LETTER AI
0991	◌◌	<reserved>
0992	◌◌	<reserved>
0993	ও	BENGALI LETTER O
0994	ঔ	BENGALI LETTER AU

Consonants

0995	ক	BENGALI LETTER KA
0996	খ	BENGALI LETTER KHA
0997	গ	BENGALI LETTER GA
0998	ঘ	BENGALI LETTER GHA
0999	ঙ	BENGALI LETTER NGA
099A	চ	BENGALI LETTER CA
099B	ছ	BENGALI LETTER CHA
099C	জ	BENGALI LETTER JA
099D	ঝ	BENGALI LETTER JHA
099E	ঞ	BENGALI LETTER NYA
099F	ট	BENGALI LETTER TTA
09A0	ঠ	BENGALI LETTER THA
09A1	ড	BENGALI LETTER DDA
09A2	ঢ	BENGALI LETTER DDHA
09A3	ণ	BENGALI LETTER NNA
09A4	ত	BENGALI LETTER TA
09A5	থ	BENGALI LETTER THA
09A6	দ	BENGALI LETTER DA
09A7	ধ	BENGALI LETTER DHA
09A8	ন	BENGALI LETTER NA
09A9	◌◌	<reserved>
09AA	প	BENGALI LETTER PA
09AB	ফ	BENGALI LETTER PHA
09AC	ব	BENGALI LETTER BA = Bengali va, wa
09AD	ভ	BENGALI LETTER BHA
09AE	ম	BENGALI LETTER MA
09AF	য	BENGALI LETTER YA
09B0	র	BENGALI LETTER RA
09B1	◌◌	<reserved>
09B2	ল	BENGALI LETTER LA
09B3	◌◌	<reserved>
09B4	◌◌	<reserved>
09B5	◌◌	<reserved>
09B6	শ	BENGALI LETTER SHA
09B7	ষ	BENGALI LETTER SSA
09B8	স	BENGALI LETTER SA
09B9	হ	BENGALI LETTER HA

Various signs

09BC	◌◌	BENGALI SIGN NUKTA • for extending the alphabet to new letters
------	----	---

09BD	৲	BENGALI SIGN AVAGRAHA
------	---	-----------------------

Dependent vowel signs

09BE	◌◌	BENGALI VOWEL SIGN AA
09BF	◌◌	BENGALI VOWEL SIGN I • stands to the left of the consonant
09C0	◌◌	BENGALI VOWEL SIGN II
09C1	◌◌	BENGALI VOWEL SIGN U
09C2	◌◌	BENGALI VOWEL SIGN UU
09C3	◌◌	BENGALI VOWEL SIGN VOCALIC R
09C4	◌◌	BENGALI VOWEL SIGN VOCALIC RR
09C5	◌◌	<reserved>
09C6	◌◌	<reserved>
09C7	◌◌	BENGALI VOWEL SIGN E • stands to the left of the consonant
09C8	◌◌	BENGALI VOWEL SIGN AI • stands to the left of the consonant

Two-part dependent vowel signs

These vowel signs have glyph pieces which stand on both sides of the consonant; they follow the consonant in logical order, and should be handled as a unit for most processing.

09CB	◌◌	BENGALI VOWEL SIGN O ≡ 09C7 ◌◌ 09BE ◌◌
09CC	◌◌	BENGALI VOWEL SIGN AU ≡ 09C7 ◌◌ 09D7 ◌◌

Virama

09CD	◌◌	BENGALI SIGN VIRAMA = hasant (Bengali term for halant)
------	----	---

Additional consonant

09CE	◌◌	BENGALI LETTER KHANDA TA • a dead consonant form of ta, without implicit vowel, used in some sequences
------	----	---

Sign

09D7	◌◌	BENGALI AU LENGTH MARK
------	----	------------------------

Additional consonants

09DC	ড়	BENGALI LETTER RRA ≡ 09A1 ড 09BC ৳
09DD	ঢ়	BENGALI LETTER RHA ≡ 09A2 ঢ 09BC ৳
09DE	◌◌	<reserved>
09DF	য়	BENGALI LETTER YYA ≡ 09AF য 09BC ৳

Additional vowels for Sanskrit

09E0	◌◌	BENGALI LETTER VOCALIC RR
09E1	◌◌	BENGALI LETTER VOCALIC LL
09E2	◌◌	BENGALI VOWEL SIGN VOCALIC L
09E3	◌◌	BENGALI VOWEL SIGN VOCALIC LL

Reserved

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

09E4	◌◌	<reserved> → 0964 devanagari danda
09E5	◌◌	<reserved> → 0965 devanagari double danda


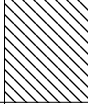












































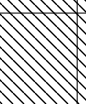

















































Digits

09E6	◌◌	BENGALI DIGIT ZERO
------	----	--------------------

09E7	১	BENGALI DIGIT ONE
09E8	২	BENGALI DIGIT TWO
09E9	৩	BENGALI DIGIT THREE
09EA	৪	BENGALI DIGIT FOUR
09EB	৫	BENGALI DIGIT FIVE
09EC	৬	BENGALI DIGIT SIX
09ED	৭	BENGALI DIGIT SEVEN
09EE	৮	BENGALI DIGIT EIGHT
09EF	৯	BENGALI DIGIT NINE

Bengali-specific additions

09F0	৺	BENGALI LETTER RA WITH MIDDLE DIAGONAL • Assamese
09F1	৻	BENGALI LETTER RA WITH LOWER DIAGONAL = bengali letter va with lower diagonal (1.0) • Assamese
09F2	ৼ	BENGALI RUPEE MARK
09F3	৽	BENGALI RUPEE SIGN
09F4	৾	BENGALI CURRENCY NUMERATOR ONE • not in current usage
09F5	৿	BENGALI CURRENCY NUMERATOR TWO • not in current usage
09F6	৾	BENGALI CURRENCY NUMERATOR THREE • not in current usage
09F7	৿	BENGALI CURRENCY NUMERATOR FOUR
09F8	৾	BENGALI CURRENCY NUMERATOR ONE LESS THAN THE DENOMINATOR
09F9	৾	BENGALI CURRENCY DENOMINATOR SIXTEEN
09FA	৾	BENGALI ISSHAR
09FB	৾	BENGALI GANDA MARK















	1F0A	1F0B	1F0C	1F0D	1F0E	1F0F
0	 1F0A0					
1	 1F0A1	 1F0B1	 1F0C1	 1F0D1		
2	 1F0A2	 1F0B2	 1F0C2	 1F0D2		
3	 1F0A3	 1F0B3	 1F0C3	 1F0D3		
4	 1F0A4	 1F0B4	 1F0C4	 1F0D4		
5	 1F0A5	 1F0B5	 1F0C5	 1F0D5		
6	 1F0A6	 1F0B6	 1F0C6	 1F0D6		
7	 1F0A7	 1F0B7	 1F0C7	 1F0D7		
8	 1F0A8	 1F0B8	 1F0C8	 1F0D8		
9	 1F0A9	 1F0B9	 1F0C9	 1F0D9		
A	 1F0AA	 1F0BA	 1F0CA	 1F0DA		
B	 1F0AB	 1F0BB	 1F0CB	 1F0DB		
C	 1F0AC	 1F0BC	 1F0CC	 1F0DC		
D	 1F0AD	 1F0BD	 1F0CD	 1F0DD		
E	 1F0AE	 1F0BE	 1F0CE	 1F0DE		
F			 1F0CF	 1F0DF		

These characters are used to represent the 52-card and 56-card variants of modern playing cards, as well as the 56-card Minor Arcana of the Western Tarot.















Back of card

1F0A0  PLAYING CARD BACK











Spades or swords






1F0A1  PLAYING CARD ACE OF SPADES
 1F0A2  PLAYING CARD TWO OF SPADES
 1F0A3  PLAYING CARD THREE OF SPADES
 1F0A4  PLAYING CARD FOUR OF SPADES
 1F0A5  PLAYING CARD FIVE OF SPADES
 1F0A6  PLAYING CARD SIX OF SPADES
 1F0A7  PLAYING CARD SEVEN OF SPADES
 1F0A8  PLAYING CARD EIGHT OF SPADES
 1F0A9  PLAYING CARD NINE OF SPADES
 1F0AA  PLAYING CARD TEN OF SPADES
 1F0AB  PLAYING CARD JACK OF SPADES
 = valet, Bube, Unter, Page, fante
 = page of swords
 1F0AC  PLAYING CARD KNIGHT OF SPADES
 = chevalier, Ober, Ritter, cavall, cavaliere
 = knight of swords
 1F0AD  PLAYING CARD QUEEN OF SPADES
 = dame, Dame, Königin, regina
 = queen of swords
 1F0AE  PLAYING CARD KING OF SPADES
 = roi, König, re
 = king of swords

Hearts or cups
















1F0B1  PLAYING CARD ACE OF HEARTS
 1F0B2  PLAYING CARD TWO OF HEARTS
 1F0B3  PLAYING CARD THREE OF HEARTS
 1F0B4  PLAYING CARD FOUR OF HEARTS
 1F0B5  PLAYING CARD FIVE OF HEARTS
 1F0B6  PLAYING CARD SIX OF HEARTS
 1F0B7  PLAYING CARD SEVEN OF HEARTS
 1F0B8  PLAYING CARD EIGHT OF HEARTS
 1F0B9  PLAYING CARD NINE OF HEARTS
 1F0BA  PLAYING CARD TEN OF HEARTS
 1F0BB  PLAYING CARD JACK OF HEARTS
 = valet, Bube, Unter, Page, fante
 = page of cups
 1F0BC  PLAYING CARD KNIGHT OF HEARTS
 = chevalier, Ober, Ritter, cavall, cavaliere
 = knight of cups
 1F0BD  PLAYING CARD QUEEN OF HEARTS
 = dame, Dame, Königin, regina
 = queen of cups
 1F0BE  PLAYING CARD KING OF HEARTS
 = roi, König, re
 = king of cups

Diamonds or pentacles

1F0C1  PLAYING CARD ACE OF DIAMONDS
 1F0C2  PLAYING CARD TWO OF DIAMONDS
 1F0C3  PLAYING CARD THREE OF DIAMONDS
 1F0C4  PLAYING CARD FOUR OF DIAMONDS
 1F0C5  PLAYING CARD FIVE OF DIAMONDS
 1F0C6  PLAYING CARD SIX OF DIAMONDS
 1F0C7  PLAYING CARD SEVEN OF DIAMONDS
 1F0C8  PLAYING CARD EIGHT OF DIAMONDS
 1F0C9  PLAYING CARD NINE OF DIAMONDS
 1F0CA  PLAYING CARD TEN OF DIAMONDS

1F0CB  PLAYING CARD JACK OF DIAMONDS
 = valet, Bube, Unter, Page, fante
 = page of pentacles
 1F0CC  PLAYING CARD KNIGHT OF DIAMONDS
 = chevalier, Ober, Ritter, cavall, cavaliere
 = knight of pentacles
 1F0CD  PLAYING CARD QUEEN OF DIAMONDS
 = dame, Dame, Königin, regina
 = queen of pentacles
 1F0CE  PLAYING CARD KING OF DIAMONDS
 = roi, König, re
 = king of pentacles
 1F0CF  PLAYING CARD BLACK JOKER

Clubs or wands

1F0D1  PLAYING CARD ACE OF CLUBS
 1F0D2  PLAYING CARD TWO OF CLUBS
 1F0D3  PLAYING CARD THREE OF CLUBS
 1F0D4  PLAYING CARD FOUR OF CLUBS
 1F0D5  PLAYING CARD FIVE OF CLUBS
 1F0D6  PLAYING CARD SIX OF CLUBS
 1F0D7  PLAYING CARD SEVEN OF CLUBS
 1F0D8  PLAYING CARD EIGHT OF CLUBS
 1F0D9  PLAYING CARD NINE OF CLUBS
 1F0DA  PLAYING CARD TEN OF CLUBS
 1F0DB  PLAYING CARD JACK OF CLUBS
 = valet, Bube, Unter, Page, fante
 = page of wands
 1F0DC  PLAYING CARD KNIGHT OF CLUBS
 = chevalier, Ober, Ritter, cavall, cavaliere
 = knight of wands
 1F0DD  PLAYING CARD QUEEN OF CLUBS
 = dame, Dame, Königin, regina
 = queen of wands
 1F0DE  PLAYING CARD KING OF CLUBS
 = roi, König, re
 = king of wands
 1F0DF  PLAYING CARD WHITE JOKER
 • may also be red