

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

Doc. Type: Disposition of comments

Title: Disposition of comments on SC2 N 4201 (PDAM text for Amendment 1.2 to ISO/IEC 10646 3rd edition)

Source: Michel Suignard (project editor)

Project: JTC1 02.10646.00.01.00.03

Status: For review by WG2

Date: 2011-02-16

Distribution: WG2

Reference: SC2 N4201, 4207 WG2 N 4161, N4244, N4245

Medium: Paper, PDF file

Comments were received from Canada, China, France, Germany, Hungary, Ireland, Romania, United Kingdom, and USA. 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*.

In addition, this disposition should be read along document WG2 N4244 which provides the Amendment 1 repertoire after this disposition and WG2 N4245 (Amendment 2 repertoire) which contains characters which were discussed in this disposition.

The total characters count stands at **1768** (**1846** per resolution M58.23 **-2** per editor's note in the amendment **-76** per this disposition). From the charts used for Pdam1.2, there are 46 additions, 122 deletions, and 42 (approx.) glyph changes.

In addition, **98** characters related to symbols balloted in Pdam1.2 were deemed acceptable for encoding in a future amendment (PDAM2).

As a result of these dispositions, all countries votes were accommodated, changing the votes from Germany, Ireland, and USA to Yes. The Negative votes from Hungary and Romania were implicitly accommodated by removing the contested repertoire out of the amendment.

Canada: Positive with comment

Technical comment

T1. Old Hungarian name:

Canada will have no objection to changing the name (and the corresponding names of the characters in the repertoire) of currently named script 'Old Hungarian' to 'Rovas', to address one of the main objections expressed by the Hungarian national body expert in the feedback document <http://www.dkuug.dk/jtc1/sc2/wg2/docs/n4120.pdf> on the JTC1/SC2/WG2 ad hoc report in <http://www.dkuug.dk/jtc1/sc2/wg2/docs/n4110.pdf> on the topic in 2011 Helsinki WG2 meeting.

Noted

*See also comments from China (T1), France (T1), Hungary (T1 and T2), and Romania.
See disposition of comment T1 from Hungary.*

China: Positive with comment

Technical comment

T1. Old Hungarian:

China request JTC1/SC2 NBs to reach consensus on all issues of every amendment acceptable solution on Old Hungarian before it becomes a part of IS.

Noted

*See also comments from Canada (T1), France (T1), Hungary, and Romania.
See disposition of comments T1 and T2 from Hungary.*

France: Positive with comment

Technical comment

T1. Old Hungarian name:

"Old Hungarian" is a denomination that may cause confusion and lack consistency

1/ Possible sources of confusion

- "Old Hungarian" also describes a stage in the history of Hungarian that is essentially attested by texts written in the Latin script

- "Old Hungarian script" was natively used to write Hungarian well into the post-renaissance period in some communities, thus relating to stages of the language by far post-dating Old Hungarian

- "Old Hungarian" is used in print even today in instances that symbolically aim at highlighting some elements of continuity in Hungarian history. Nevertheless the language used in such instances is Modern Hungarian and there should be no confusion on that point.

2/ Lack of consistency

The document provides code points for uppercase and lowercase letters, then rightfully underlines that "The use of uppercase letters is a modern innovation". This document thereby seeks to offer solutions helping modern usage of this script. There is some contradiction to recognizing evolutions of a script in its modern usage and still call it "Old"

Proposed change by France:

Change the denomination of this script to "Hungarian rovas" or simply "Rovas", in the same way that other scripts in 10646 are named with no reference to the language it is/was used for ("ogham, deseret, devanagari...")

Not applicable anymore

The repertoire in question has been removed.

See also T1 comments from Canada, China, France, Hungary, and Romania.

See disposition of comment T1 from Hungary.

Germany: Negative

The vote is turned into YES if the requests in comments T1 and T4 are accepted.

Technical comments

T1. Naming of the "Intonation marks for Lithuanian dialectology":

The names of the following characters do not describe the characters as shown in the code charts and the original proposal (WG2 N4070 " Second revised proposal to add characters used in Lithuanian dialectology"):

2B4E SHORT NORTH EAST ARROW

2B4F SHORT SOUTH EAST ARROW

2B5A NORTH EAST ARROW WITH HOOKED HEAD

2B5B SOUTH EAST ARROW WITH HOOKED TAIL

2B5C NORTH EAST ARROW WITH HORIZONTAL TAIL

2B5D SOUTH EAST ARROW WITH HORIZONTAL TAIL

The inclination of the arrows is in no case even near to 45°, as the terms "NORTH EAST" and "SOUTH EAST" unambiguously denote, neither in the code chart nor in the original proposal. Thus, the names are plain wrong.

Proposed change by Germany:

Germany repeats its request already expressed in WG2 N4085 to name the character correctly as follows:

U+2B4E SHORT SLANTED NORTH ARROW

U+2B4F SHORT BACKSLANTED SOUTH ARROW

U+2B5A SLANTED NORTH ARROW WITH HOOKED HEAD

U+2B5B BACKSLANTED SOUTH ARROW WITH HOOKED TAIL

U+2B5C SLANTED NORTH ARROW WITH HORIZONTAL TAIL

U+2B5D BACKSLANTED SOUTH ARROW WITH HORIZONTAL TAIL

Germany considers its request accepted also if the term "NORTH EAST" is replaced by "NORTH NORTH EAST" or "ONE OCLOCK", and the term "SOUTH EAST" is replaced by "SOUTH SOUTH EAST" or "FIVE OCLOCK", instead of "SLANTED" resp. "BACKSLANTED".

Accepted

The original name request (using slanted) is accepted.

T2. Integration of the accepted proposal WG2 N4078 " Revised Proposal to enable the use of Combining Triple Diacritics in Plain Text"

WG2 N4078 provides a way to handle diacritics spanning over three or more characters by using joining parts combined with each of the single base letters. For diacritics below, new characters were accepted; for diacritics above, existing characters are devised. While the appropriate annotations are given for the new characters (summarized for U+FE2B), they are missing for the existing ones.

Proposed change by Germany:

Following the wording of the annotation for U+FE2B, add the following annotation to U+FE26:
"• Used with combining left and right half ligature above to extend above more than two characters."

Accepted in principle

See also comment T4 from Ireland.

It is not exactly true that there is no annotation for the existing ones. However it is done differently, using an annotation preceding the 3 characters (FE24..FE26). The annotation system will be modified to be consistent among those spanning combining marks, including the new ones proposed by Ireland.

Note that this is editorial, not technical.

T3. Placement of Wingdings characters

Germany has not objected to encode the Wingdings symbols when discussing this issue in Helsinki in principle, but has requested that only such symbols will get into the BMP for which actual use is shown.

Proposed change by Germany:

As a practical solution, Germany requests now that all arrows which show special head shaping or decorative elements will be moved to the SMP into the block "Supplemental Arrows-C, which has enough space. Thus:

Move 2B60...2BAE to 1F880...1F8CE,

in exchange move 1F880...1F889 to 2B60...2BF9 as this series contains keyboard symbols which are in use.

Move 2BD0...2BE7 to 1F8D0...1F8E7.

Also, move 2BBE...2BBF into the "Ornament Symbols" block 1F650...1F67F, to have the "heavy punctuation marks" together.

Any rearrangement within the affected blocks following these movements is accepted.

Partially accepted

See also comments T1 and T10 from Ireland.

There is no benefit anymore at having characters in the BMP versus the SMP. Characters should be grouped instead according to similarities. On that aspect, it is reasonable to group keyboard related symbols together. However, some of the characters in question (1F880..1F889) will be removed after unification with existing characters.

This comment was consolidated with the request from Ireland and the following was accepted:

- Move 2BD0..2BE7 to the 1F8xx block

The resulting layout for the 2Bxx block leaves many holes available for additional keyboard related characters. See disposition of comment T1 from Ireland for further details.

T4. Removing of Wingdings characters which do not comply with the Unicode character/glyph model

As part of the Wingdings addition, the following character series are included:

U+1F670 LIGATURE ET
U+1F671 BOLD LIGATURE ET
U+1F672 SANS-SERIF AMPERSAND
U+1F673 BOLD SANS-SERIF AMPERSAND
U+1F674 BOLD AMPERSAND
U+1F678 BOLD INTERROBANG
U+1F679 SANS SERIF INTERROBANG
U+1F67A BOLD SANS-SERIF INTERROBANG

Regarding the interrobangs, the original Wingdings proposal WG2 N4115 also shows a "serifed-font-style" interrobang (ID 2093) which is considered to be unified with U+203D INTERROBANG.

This is glyph encoding. Even if it is agreed that Wingding characters are to be included into Unicode without proof of actual use (but only based on availability on a large part of present-day computing equipment), there is no argument that roundtrip encoding between Unicode (ISO/IEC 10646) and the "existing standard" Wingdings is necessary (which would be the only reason to accept glyph encoding). Also, unifying just one glyph (the "serifedfont- style" one) with the existing character is arbitrary.

In fact, all these characters already are perfectly represented in Unicode (by U+0026 AMPERSAND and U+203D INTERROBANG), and U+1F671 is perfectly represented in Unicode when U+1F670 is accepted. The exact glyph is to be selected by the rendering system (font etc.), according to the Unicode character/glyph model (as it has to be done even with the PDAM 1.2 character set, as a "serifed-font-style" interrobang glyph can only be gained by selecting an appropriate font)..

Proposed change by Germany:

Germany requests the removal of the listed characters except U+1F670.

To offer a compromise, Germany considers this comment accepted also if the following is done, based on the fact that the specific appearance of the "sans-serif ampersand" may constitute a character identity rather than a glyph variation, and based on the fact that there already are "heavy" variants of punctuation marks in the Dingbats block:

Only U+1F678 and U+1F679 are removed. The other characters are renamed as follows:

- U+1F670 SCRIPT LIGATURE ET
- U+1F671 HEAVY SCRIPT LIGATURE ET SYMBOL
- U+1F672 LIGATURE OPEN ET (or similar)
- U+1F673 HEAVY LIGATURE OPEN ET (or similar) SYMBOL
- U+1F674 HEAVY AMPERSAND SYMBOL
- U+1F67A HEAVY INTERROBANG SYMBOL

following by any rearrangement of the code points (including, but not requested here, moving of 1F670/1F672/1F675 to the Supplemental Punctuation block in the BMP).

Not accepted

See also comments T1 and T10 from Ireland.

Accepting the compromise of renaming the controversial characters resolves the issue for all but the 'interrobang' characters. The problems remain for the serif versus sans-serif distinctions which is specific to the Wingdings set and did not exist in Dingbats. The argument for preserving these 4 variants is to maintain a source separation rule for Wingdings which would be destroyed if those 4 interrobang characters are not encoded separately. The compromise proposed by Germany preserves dis-unification for one serif character (Wingdings2-093), one sans-serif character (wingdings2-096) but unifies the other two. It would have been cleaner to dis-unify either the two sans-serifs or the two serifs, but not a mix. It should also be noted that none of the Wingdings symbols shown here enlarged are perfect representation of the interrobang symbol:

Glyph ID	Wingdings 2-093	Wingdings 2-094	Wingdings 2-095	Wingdings 2-096
Proposed UCS	203D	1F678	1F679	1F67A
Glyph				

Following are two glyph representations of the character 203D INTERROBANG in commonly used fonts in Windows (one serif, the other sans-serifs):

<i>MS Mincho</i>	<i>Segoe UI</i>
?	?

The end result was to preserve the 3 additions with name changes as following: (after taking into account comment T7 from Ireland):

U+1F670 SCRIPT LIGATURE ET ORNAMENT
U+1F671 HEAVY SCRIPT LIGATURE ET ORNAMENT
U+1F672 LIGATURE OPEN ET ORNAMENT
U+1F673 HEAVY LIGATURE OPEN ET ORNAMENT
U+1F674 HEAVY AMPERSAND ORNAMENT
U+1F679 HEAVY INTERROBANG ORNAMENT
U+1F67A SANS-SERIF INTERROBANG
U+1F67B HEAVY SANS-SERIF INTERROBANG

Delta count (characters added from Pdam1.2: 0)

T5. Completing the set of "Sans-Serif heavy double quotation mark ornaments"

As part of the Wingdings addition, the following character series is included:

U+1F676 SANS-SERIF HEAVY DOUBLE TURNED COMMA QUOTATION MARK ORNAMENT
U+1F677 SANS-SERIF HEAVY DOUBLE COMMA QUOTATION MARK ORNAMENT

This series is only usable for American typography and lacks the opening quotation mark which is needed for German typography done in the same style.

Proposed change by Germany:

Germany requests the addition of the character completing this series:

U+1F67x SANS-SERIF LOW HEAVY DOUBLE COMMA QUOTATION MARK ORNAMENT

(a formal proposal will be submitted in time).

For formal reasons only, Germany notes that this comment is accepted also if U+1F676/1F677 are withdrawn from PDAM 1.2 for any reason.

Accepted in principle

This is also part of the addition request in the comment T7 from Ireland. Character name is slightly modified as follows with proposed location at 1F678:

U+1F678 SANS-SERIF HEAVY LOW DOUBLE COMMA QUOTATION MARK ORNAMENT

Delta count (characters added from Pdam1.2: 1)

T6. Request to add the characters proposed in WG2 N4068 to PDAM1.3

WG2 N4068 was submitted to SC2/WG2 as a liaison proposal by SC35, requesting the encoding of missing Latin small capital and modifier letters. This proposal was on the agenda of the JTC1/SC2/WG2 June 6-10, 2011, in Helsinki. In fact, at that meeting, it was not discussed due to lack of time.

Germany already had requested the addition in WG2 N4085, section 3. As this German request persists, the text of that section is repeated here, with added text shown in italics.

The German NB welcomes this proposal, especially (besides the reasons listed in the proposal) as it will save the time to discuss and decide any single character whenever new evidence is found.

In discussions on the Unicode mailing list and forum, concerns were issued that having the sets of modifier letters derived from the basic Latin letters (A...Z) complete will invite users to "misuse" them, by using them to obtain a different style instead denoting of a different semantic (like using the small capital letters to get smallcaps). However, this already can be done with the current almost complete sets, and has to be taken into account by search engines etc. anyway (and imposes no real problem as all these characters have compatibility equivalences to the respective base letters). It also should be noted that quasistandards like the Adobe Glyph List 2.0 already have encoded such complete sets (using the PUA), thus indicating style by character selection rather by markup is already an existing practice. (Such practice may be considered "bad", but standards are there for serving their users rather than for educating them.)

In addition, concerns were issued that encoding the modifier forms of the basic Latin letters (A...Z) will encourage proposals for more letters. The addition of the complete set of basic Latin squared letters A...Z in Unicode 6.0 (like the encircled letters long ago) has proven that such is not an automatic consequence.

Moreover, the German NB is concerned about the fact that SC35/WG2, which identifies characters in keyboard standards by Unicode values only recently, has partially to deviate from this in a recent standard draft (ISO/IEC 9995-9 CD), by the plain fact that specifying a method to enter raised, lowered, and small capital forms of the basic Latin letters A...Z/a...z (as part of language orthographies, not as style) results in a mapping to a character set which cannot completely enumerated by Unicode. Even if the PUA positions used in that draft "are only for internal reference", there is the danger that they will in fact be used by referencing to an international standard, thus weakening the position of Unicode for a larger audience. This can be avoided when SC2/WG2 is prepared to cooperate with SC25/WG2 by accepting the characters proposed in N4068 in time.

Thus, the German NB requests the addition of the characters proposed in N4068 now to PDAM 1.3 of ISO/IEC 10646.

Technical note: The code range of the block "Phonetic Extensions Supplement B" referred to in N4068 is now part of the block "Latin Extended-E". However, the proposed code points for the characters there are still appropriate.

Not accepted (out of scope)

Because this has been controversial and is not directly related to repertoire under ballot, it is not appropriate to add it to Amd1 but may be considered for a future amendment.

Following this disposition of comment, Germany changed its vote to yes.

Hungary: Negative

Technical comments

T1. Clause 31, Annex A.1: Old Hungarian name:

The term Old Hungarian is incorrect. The correct term is “Szekely-Hungarian Rovas”. The term “Old Hungarian” is used for a completely different script, namely the medieval version of the Hungarian Latin-based orthography. See ISO/IEC JTC1/Sc2/WG2 N4120, Section 2.1 for the detailed reasoning (<http://std.dkuug.dk/JTC1/sc2/wg2/docs/n4120.pdf>)

Proposed change by Hungary:

Change the term “Old Hungarian” to “Szekely-Hungarian Rovas”

Not applicable anymore

See also comments T1 from Canada, China, France, Hungary, and Romania.

The naming of that block has proven controversial, and after further discussion among experts no consensus could be reached. As a consequence, the block and its content have been removed from Amendment 1. The block and its content may still be added in a future amendment.

Delta count (characters added from Pdam1.2: 1-109=-108)

T2. Annex G: Old Hungarian character set:

The proposed character set for the Szekely-Hungarian Rovas (with the incorrect name “Old Hungarian”) is incorrect. Reasons:

1. The character repertoire is based on the outdated results of the palaeography in the early 20th century and some unscientific and popular web sites, on which information is unreliable and incorrect in many cases. Oppositely, the correct character repertoire must contain the contemporary and the historical Szekely-Hungarian Rovas characters, which are listed in the proposal of the Hungarian Standard Body; see ISO/IEC JTC1/SC2/WG2 N4007, Section 3.1, <http://std.dkuug.dk/JTC1/sc2/wg2/docs/n4007.pdf>

Proposed change by Hungary:

The “Old Hungarian” block is unacceptable and unimprovable; therefore it must be completely changed to the character repertoire in the proposal of the Hungarian Standard Body, see ISO/IEC JTC1/SC2/WG2 N4007, Section 3.1, <http://std.dkuug.dk/JTC1/sc2/wg2/docs/n4007.pdf>

Not applicable anymore

See disposition of comment T1.

2. The term “Old Hungarian” is already used by Hungarian linguists for denoting the medieval version of the Hungarian Latin-based script, which is wildly different to the Szekely-Hungarian Rovas script (for instance, see Ch. 3 of N4120 (2011-07-05)). Therefore, using the term “Old Hungarian” for the Szekely-Hungarian Rovas is misleading. More details about the Old Hungarian script: http://wiki.rovas.info/index.php/Old_Hungarian_script
3. The Szekely-Hungarian Rovas script has been developed ca. the end 8h c., in the Ancient Hungarian linguistic period (1st millennium BC – 896 AD), before the Old Hungarian linguistic period (896-1526). Consequently, using the name “Old Hungarian script” for an earlier script would be misleading.
4. Using the expression “Old Hungarian” for denoting the Szekely-Hungarian Rovas has no tradition either in Hungarian culture or in the script history.

Noted

See disposition of comment T1.

Moreover, there are several arguments for the term “Szekely-Hungarian Rovas”:

5. The variety of traditional names for this script usually contains adjectives; the most frequent ones being “Szekely” and “Hungarian”. Therefore, the widely accepted name “Szekely-Hungarian Rovas” correctly reflects the traditional naming. The Hungarian ethnic group Szekelys played a key role in preserving the tradition of Szekely-Hungarian Rovas and regard this script as key part of their identity.
6. Throughout history, the term Rovas has been widely used, moreover having found common use in the Hungarian language today. Although the term “Rovas” is of Hungarian-origin, it has been widely used in numerous languages; see in the Ch. 4 of N4120 (2011-07-05).
7. The Rovas using community organized the “Living Rovas” Conference in 2008, in Hungary, which was the largest ever Rovas user/researcher meeting. At this conference, after a detailed discussion, the attendance made the resolution that the English name of the script is “Szekely-Hungarian Rovas” – being the correct translation of the appropriate Hungarian term “székely-magyar rovás”.
8. The term “Rovas” is a category name; three related scripts belong to this script family, namely: Szekely-Hungarian Rovas, Carpathian Basin Rovas (see N4144, 2011-10-12), and Khazarian Rovas (see N4145, 2011-10-12). The close relation of Carpathian Basin Rovas to Szekely-Hungarian Rovas has been shown by linguist and Turkologist Gyula Németh in 1932. Moreover, according to the archaeologist-historian István Erdélyi, the Khazarian Rovas is related to Carpathian Basin Rovas and Szekely-Hungarian Rovas. More details about the Rovas script family:
http://wiki.rovas.info/index.php/Rovas_Script_Family

Noted

See disposition of comment T1.

9. The research into the field of the Rovas scripts are mainly published in Hungarian and only little information is available in English. Consequently, the English databases are outdated in most cases. Especially, the results of the last 2-3 decades are missing from western literature as only a small portion of the Hungarian publications on this topic have been translated. The contributions of the Hungarian NB use and refer to the results of international and the Hungarian scholars.
10. The proposed character names are incorrect. These are based on few medieval relics. However, the characters of this script have well accepted names both in scientific and popular literature. The main reason for encoding the Szekely-Hungarian Rovas script is for present-day use, therefore, the contemporary character names of the letters has to be used in the standard. The archaic character names used in the N4110 resolution shows an outdated state of the Rovas-related paleography of the early 20th century. During that time, a Szekely-Hungarian Rovas relic, the so-called Nikolsburg Alphabet was the only significant Rovas relic. Based on this, only a static view of the Szekely-Hungarian Rovas scripts existed in the early 20th century. However, after exploring several archaeological finds in the 20th-21st centuries, several earlier Rovas relics were found, making possible further advances of Rovas script history.

Not applicable anymore

It should be noted that over 50% of the letter names are identical between N4107 and the amendment text under ballot. Of the rest, the difference is typically an additional ‘E’ on the ballot text, like ‘LETTER EF’ versus ‘LETTER F’.

The document <http://std.dkuug.dk/jtc1/sc2/wg2/docs/n4110.pdf> showing the result of the Ad-hoc committee in Helsinki WG2 meeting provides more details on the current name rationale.

11. Another essential condition to be considered is the vital present-day use of the Szekely-Hungarian Rovas orthography. The user base of the Szekely-Hungarian Rovas is represented in every country in Europe where Hungarian populations exist and in the global Hungarian community as well. Currently, in every part of the Hungarian society including the state administration, the number of Szekely-Hungarian Rovas users is dynamically increasing. This strong and conscious user support is clearly manifested, as in the Hungarian NB professional and civil Rovas stakeholders officially support the three Rovas proposals – the Szekely-Hungarian Rovas (N4007), the Carpathian Basin Rovas (N4144), and the Khazarian Rovas (N4145).

Noted

T3. Clause 31, Annex A.1: Old Hungarian name:

The term Old Hungarian ... [full duplicate of T1, see disposition of comment T1]

T4. Annex G: Old Hungarian character set:

The proposed character set ... [partial duplicate of T2, see disposition of comment T2]

Following this disposition of comment, because the comments solely refer to the Old Hungarian repertoire which was removed as a result of this disposition, the negative vote from the Hungarian NB is not applicable.

Ireland: Negative

Ireland disapproves the draft with the technical and editorial comments given below.

Acceptance of these comments and appropriate changes to the text will change our vote to approval. In the attached charts, characters proposed to be added to the PDAM are coloured in yellow, and characters whose names are proposed to be changed are coloured in blue.

Characters which have been proposed to be moved have “• was xxxx” in the names list indicating their code position in PDAM 1.2.

(Please refer to SC2 N4207 for charts, these are not duplicated in the dispositions of comments)

Technical comments

T1. Page 52, Row 2B0: Miscellaneous Symbols and Arrows.

a) Ireland recommends the removal of the following characters from this table (to be moved elsewhere):

2BA3, 2BA4, 2BA5, 2BA6, 2BA7, 2BA8, 2BA9, 2BAA
2BBE, 2BBF
2BC3, 2BC4, 2BCB, 2BCD
2BD0, 2BD1, 2BD2, 2BD3, 2BD4, 2BD5, 2BD6, 2BD7, 2BD8, 2BD9, 2BDA, 2BDB
2BE0, 2BE1, 2BE2, 2BE3, 2BE4, 2BE5, 2BE6, 2BE7, 2BE9, 2BEA, 2BEB, 2BEC, 2BED, 2BEE, 2BEF,
2BF0, 2BF1, 2BF2, 2BF3

Partially accepted

See also comment T3 from Germany.

All characters are moved except for 2BA3..2BAA, 2BCB, 2BE9, 2BEE..2BF0. This preserves the main point of this comment which was to remove most arrows that were not simple triangle-headed arrows.

b) Ireland recommends moving the following characters to this table:

1F800, 1F801, 1F802, 1F803, 1F804, 1F805, 1F806, 1F807, 1F808, 1F809, 1F80A, 1F80B, 1F80C, 1F80D, 1F80E, 1F80F
1F810, 1F811, 1F812, 1F813, 1F814, 1F815, 1F818, 1F819, 1F81A, 1F81B, 1F81C, 1F81D, 1F81E, 1F81F
1F820, 1F821, 1F822, 1F823, 1F824, 1F825, 1F826, 1F827
1F834, 1F835
1F878, 1F879, 1F87A, 1F87B, 1F87C, 1F87D
1F880, 1F881, 1F882, 1F883, 1F884, 1F885, 1F886, 1F887, 1F888, 1F889

Not accepted

See also comment T3 from Germany and comment T6 from USA.

Note that the range (1F880..1F889) will be removed from the repertoire from being unified with already encoded character. Other arrow related characters are maintained in the 1F8xx block. This is in accordance with German comment.

c) Ireland recommends adding the following new characters to this table:

2B74 LEFT RIGHT TRIANGLE-HEADED ARROW TO BAR
2B75 UP DOWN TRIANGLE-HEADED ARROW TO BAR
2B77 NORTH EAST TRIANGLE-HEADED ARROW TO BAR
2B79 SOUTH WEST TRIANGLE-HEADED ARROW TO BAR
2B7A LEFTWARDS TRIANGLE-HEADED ARROW WITH DOUBLE HORIZONTAL STROKE
2B7C RIGHTWARDS TRIANGLE-HEADED ARROW WITH DOUBLE HORIZONTAL STROKE
2B81 UPWARDS TRIANGLE-HEADED ARROW LEFTWARDS DOWNWARDS TRIANGLE-HEADED ARROW
2B82 RIGHTWARDS TRIANGLE-HEADED ARROW OVER LEFTWARDS TRIANGLE-HEADED ARROW
2BD0 UPWARDS TRIANGLE-HEADED ARROW WITH HEAVY SHAFT
2BD1 DOWNWARDS TRIANGLE-HEADED ARROW WITH HEAVY SHAFT

Partially accepted

Refer to SC2 N4207 for charts.

All but 2B74 and 2B75 are accepted for Amendment 1. 2B74 and 2B75 will be added to Amendment 2.

Code points are as suggested except for 2BD0 and 2BD1 which are encoded in the 1F8xx block as 1F82D and 1F82F.

Delta count (characters added from Pdam1.2: $-108+8=-100$)

d) Ireland recommends ordering the characters in the table as shown below.

Accepted in principle

Refer to SC2 N4207 for charts.

Within characters moved or added, the order of arrows suggested by Ireland is used. In addition a character is removed because of unification with an existing character:

2BF4 UPWARDS WHITE RECTANGULAR ARROW FROM BAR (unified with 21EA UPWARDS WHITE ARROW FROM BAR).

Delta count (characters added from Pdam1.2: $-100-1=-101$)

T2. Page 65, Row A72: Latin Extended-A. With reference to ISO/IEC JTC1/SC2/WG2

N4030R “Proposal for the addition of six Latin characters to the UCS”, Ireland requests that the following characters be added to PDAM 1.2:

A796 LATIN CAPITAL LETTER B WITH FLOURISH
A797 LATIN SMALL LETTER B WITH FLOURISH
A7AB LATIN CAPITAL LETTER REVERSED OPEN E
A7AC LATIN CAPITAL LETTER SCRIPT G
A7F6 LATIN CAPITAL LETTER SIDEWAYS I
A7F7 LATIN SMALL LETTER SIDEWAYS I

Out of scope

Refer to SC2 N4207 for charts.

Although the block where these characters have content under ballot the characters above are not related to the balloted characters.

T3. Page 65, Row A72: Latin Extended-A: A79F LATIN LETTER MIDDLE DOT

Ireland reiterates its strong support for the encoding of A79F LATIN LETTER MIDDLE DOT in this table.

Noted

See also comments T1 from UK and US.

T4. Page 71, Row FE2: Combining Half Marks.

With reference to ISO/IEC JTC1/SC2/WG2 N4130R “Proposal for encoding the Caucasian Albanian script in the SMP of the UCS”,

a) Ireland requests that the character at FE2B COMBINING CONJOINING MACRON BELOW be moved to FE2D.

Accepted

b) Ireland also requests that the following characters be added to PDAM 1.2:

FE2B COMBINING MACRON LEFT HALF BELOW
FE2C COMBINING MACRON RIGHT HALF BELOW

Accepted

Refer to SC2 N4207 for charts and N4131 for justification.

See comment T2 from Germany

Delta count (characters added from Pdam1.2: -101+2=-99)

T5. Page 98, Row 11AC: Pau Cin Hau.

Ireland requests that the inherent vowel -A be added to the names of the characters from 11AC0 through 11AD4. The assertions given by the author of N4017 for this were not sufficient to omit a vowel from the character names, as is the normal practice for UCS names for scripts of this region. In fact, the use of an -a does not imply that there is an inherent vowel in the alphabet (anymore than -e implies that there is an inherent vowel in Old Italic. Ireland strongly prefers to use the transliteration names as attested in Figures 2 and 8 of N4017. We do not request a change to the names of the final consonants, as the proposed names are congruent with other names of similar characters in the UCS.

Accepted in principle

See also comment T2 from US.

The two name changes requested by the US are affected by this comment.

T6. Page 113, Row 1F30: Miscellaneous Symbols and Pictographs.

a) Ireland recommends adding the following new characters to this table:

1F395 BOUQUET OF FLOWERS
1F397 BEAMED DESCENDING MUSICAL NOTES
1F569 RIGHT SPEAKER WITH ONE SOUND WAVE
1F56A RIGHT SPEAKER WITH THREE SOUND WAVES
1F596 REVERSED VICTORY HAND
1F597 REVERSED HAND WITH MIDDLE FINGER EXTENDED
1F598 RAISED HAND WITH PART BETWEEN MIDDLE AND RING FINGERS
1F5DF DECREASE FONT SIZE SYMBOL

Partially accepted

See also comment T6 from US.

The character 1F395 BOUQUET OF FLOWERS is also proposed by the US and is part of the original Wingdings set. Code points have been moved to take into consideration other comments, resulting in the following code positions for Amendment 1:

1F395 BOUQUET OF FLOWERS
1F39D BEAMED DESCENDING MUSICAL NOTES
1F569 RIGHT SPEAKER WITH ONE SOUND WAVE
1F56A RIGHT SPEAKER WITH THREE SOUND WAVES
1F5DB DECREASE FONT SIZE SYMBOL

Delta count (characters added from Pdam1.2: -99+5=-94)

Other characters may be added in Amendment 2 as follows:

1F594 REVERSED VICTORY HAND
1F595 REVERSED HAND WITH MIDDLE FINGER EXTENDED
1F596 RAISED HAND WITH PART BETWEEN MIDDLE AND RING FINGERS

b) Ireland recommends changing the 1F581 BLACK ENVELOPE WITH WHITE LIGHTNING to ENVELOPE WITH LIGHTNING. There is no inherent necessity for there to be “blackness” in the envelope or “whiteness” in the lightning. The essential concept of this symbol is “electronic mail”. The essential glyphs here are those of an envelope (which is white) and of 26A1 HIGH VOLTAGE SIGN (which is black).

Accepted

Note that the character is located at 1F586 in the charts included with the comment from Ireland and was located at 1F585 in the ballot document and is now located at 1F584.

c) Ireland recommends using a reversed 270D WRITING HAND glyph for 1F58A LEFT WRITING HAND.

Accepted

Note that the character is located at 1F590 in the charts included with the comment from Ireland and was located at 1F58A in the ballot document and is now located at 1F58E.

d) Ireland recommends basing the glyph for 1F5DB BLACK FOLDER on the glyph for 1F5DA FOLDER.

Accepted

Note that the character is located at 1F5C8 in the charts included with the comment from Ireland and was located at 1F5DB in the ballot document and is now located at 1F5BF.

e) Ireland recommends ordering the characters in the table as shown below.

Accepted in principle

Final ordering based on other comment dispositions. Because of the large number of additions requested by other member bodies in the same block, an extensive reordering was performed using the general principle suggested by Ireland.

T7. Page 128, Row 1F65: Ornament Symbols.

a) Ireland requests the change of the block name to “Ornamental Dingbats”; these characters are dingbats, not symbols for things.

Accepted

b) Ireland requests that 2BBE and 2BBF be moved into this table.

Accepted

c) Ireland requests that the word POINTING be added to the names of 1F650, 1F651, 1F652, 1F653, 1F654, 1F655, 1F656, 1F657.

Accepted

The word ‘POINTING’ is added in front of ‘LEAF’ as in 1F650 NORTH WEST POINTING LEAF.

d) Ireland requests that the word ORNAMENT be added to the names of 1F670, 1F671, 1F672, 1F673, 1F674, 1F675. The word “ornaments” should also be added to the section headings.

Accepted

See also comment T4 from Germany.

The word ‘ORNAMENT’ is added at the end of all these names as in 1F670 LIGATURE ET ORNAMENT. Note that some names were changed following the disposition of the comment T4 from Germany.

e) Ireland recommends adding the following new character to this table:

1F678 SANS-SERIF HEAVY LOW DOUBLE COMMA QUOTATION MARK ORNAMENT

Accepted

See comment T5 from Germany.

Delta count (characters added from Pdam1.2: -94), no change because already included earlier.

f) Ireland recommends ordering the characters in the table as shown below.

Accepted in principle

From the original ballot table, the only changes are the reordering of the rocket.

T8. Page 130, Row 1F68: Transport and Map Symbols.

a) Ireland requests that 2BCB and 1F6E6 be moved into this table.

Partially accepted

The Postscript name of the original source for 2BCB is 'query' which does not relate it to a transport and map symbols set; therefore it is not clear that the character should be moved. The code point 1F6E6 is already part of that table.

b) Ireland recommends ordering the characters in the table as shown below.

Accepted in principle

See disposition of comment T8 a) just above. Following further discussion, additional moves were performed.

T9. Page 132, Row 1F78: Geometric Shapes Extended.

a) Ireland recommends ordering the characters in the table as shown below.

Accepted

Note that the character shown at 1F7CE in the Irish chart is incorrect. It should be the character as shown in 1F7ED in the ballot document.

T10. Page 136, Row 1F80: Supplemental Arrows-C.

Ireland recommends the removal of the following characters from this table (to be moved elsewhere):

1F800, 1F801, 1F802, 1F803, 1F804, 1F805, 1F806, 1F807, 1F808, 1F809, 1F80A, 1F80B, 1F80C, 1F80D, 1F80E, 1F80F
1F810, 1F811, 1F812, 1F813, 1F814, 1F815, 1F818, 1F819, 1F81A, 1F81B, 1F81C, 1F81D, 1F81E, 1F81F
1F820, 1F821, 1F822, 1F823, 1F824, 1F825, 1F826, 1F827
1F834, 1F835
1F878, 1F879, 1F87A, 1F87B, 1F87C, 1F87D
1F880, 1F881, 1F882, 1F883, 1F884, 1F885, 1F886, 1F887, 1F888, 1F889

Not accepted

See also comment T3 from Germany.

b) Ireland recommends moving the following characters to this table:

2BA3, 2BA4, 2BA5, 2BA6, 2BA7, 2BA8, 2BA9, 2BAA
2BD0, 2BD1, 2BD2, 2BD3, 2BD4, 2BD5, 2BD6, 2BD7, 2BD8, 2BD9, 2BDA, 2BDB
2BE0, 2BE1, 2BE2, 2BE3, 2BE4, 2BE5, 2BE6, 2BE7

Partially accepted

*Ranges 2BD0..2BDB, 2BE0..2BE7 are moved to this table
See also comment T3 from Germany.*

c) Ireland recommends adding the following new characters to this table:

1F801 UPWARDS TRIANGLE-HEADED ARROW WITH NARROW SHAFT
1F803 DOWNWARDS TRIANGLE-HEADED ARROW WITH NARROW SHAFT
1F805 UPWARDS TRIANGLE-HEADED ARROW WITH MEDIUM SHAFT
1F807 DOWNWARDS TRIANGLE-HEADED ARROW WITH MEDIUM SHAFT
1F809 UPWARDS TRIANGLE-HEADED ARROW WITH BOLD SHAFT
1F80B DOWNWARDS TRIANGLE-HEADED ARROW WITH BOLD SHAFT
1F80D UPWARDS TRIANGLE-HEADED ARROW WITH VERY HEAVY SHAFT
1F80F DOWNWARDS TRIANGLE-HEADED ARROW WITH VERY HEAVY SHAFT

1F811 UPWARDS FINGER-POST ARROW
1F813 DOWNWARDS FINGER-POST ARROW

Accepted in principle

Some of these locations are changed based on results from other comments dispositions:

1F821 UPWARDS TRIANGLE-HEADED ARROW WITH NARROW SHAFT
1F823 DOWNWARDS TRIANGLE-HEADED ARROW WITH NARROW SHAFT
1F825 UPWARDS TRIANGLE-HEADED ARROW WITH MEDIUM SHAFT
1F827 DOWNWARDS TRIANGLE-HEADED ARROW WITH MEDIUM SHAFT
1F829 UPWARDS TRIANGLE-HEADED ARROW WITH BOLD SHAFT
1F82B DOWNWARDS TRIANGLE-HEADED ARROW WITH BOLD SHAFT
(1F82D and 1F82F are added per resolution of comment T1.c)
1F831 UPWARDS TRIANGLE-HEADED ARROW WITH VERY HEAVY SHAFT
1F833 DOWNWARDS TRIANGLE-HEADED ARROW WITH VERY HEAVY SHAFT
1F835 UPWARDS FINGER-POST ARROW
1F837 DOWNWARDS FINGER-POST ARROW

Delta count (characters added from Pdam1.2: -94+10=-84)

d) Ireland recommends ordering the characters in the table as shown below.

Accepted in principle

The order within each arrow group has been changed according to the Irish comment. However, some of these locations have been modified, based on results from other comments dispositions.

Editorial comments

E1. Page 21, Row 090: Devanagari.

Ireland requests to know why the dotted circle has been removed from the glyph 0903 DEVANAGARI SIGN VISARGA.

Accepted

This was a chart production issue which has been fixed since then.

E2. Page 30, Row 0D0: Malayalam.

Ireland recommends that the missing dotted circles for 0D44, 0D4E, and 0D62 be restored.

Accepted in principle

This was a chart production issue which has been fixed since then. Note that the glyph for 0D4E has been modified to include a dotted rectangular frame and no dotted circle based on separate feedback.

E3. Page 47, Row 230: Miscellaneous Technical.

Ireland requests that the annotations for 23F4, 23F5, 23F6, and 23F7 be changed to simple cross-references to 25C0, 25B6, 25B2, and 25BC respectively. The choice of isosceles right triangle and equilateral triangle for these audio and video navigation functions is surely a matter of choice of the implementor.

We request therefore that reciprocal annotations be placed in the Geometric Shapes block.

Not accepted

The new proposed characters are grouped in a set called 'User interface symbols'. The characters located in the Geometric shapes have no such connotation. The addition of the new UI symbols partially recognized that the characters located in the geometric symbols were not as well suited for UI purpose.

E4. Page 47, Row 230: Miscellaneous Technical.

Ireland suggests that a cross reference to 2016 DOUBLE VERTICAL LINE be placed at 23F8, and vice-versa.

Accepted

E5. Page 48, Row 270: Dingbats.

Ireland suggests that the chart glyph for 2700 BLACK SAFETY SCISSORS be modified to look more “safety-like” and somewhat less like the glyph for 2702.

Accepted in principle

Pending an updated font from Ireland

E6. Page 52, Row 2B0: Miscellaneous Symbols and Arrows.

Ireland recommends the correction of the misspelling “overal” to “overall” for 2B4F.

Accepted

Other accepted name changes:

- *Misspelling correction for 2B87 DOWNWARDS TRIANGLE-HEADED PAIRED ARROWS,*
- *Replacement of ‘CENTERED’ by ‘CENTRED’ (6 occurrences),*
- *1F39D MUSICAL PERFORMANCE becomes 1F39C BEAMED ASCENDING MUSICAL NOTES*
- *1F3F6 CROSSED TOOLS becomes 1F5F0 HAMMER AND WRENCH*
- *2BCD OVAL SHAPE WITH SHADOW becomes 2BD2 LEFT SHADOWED BLACK OVAL*
- *1F5DD CANCELLATION-X becomes 1F5E5 CANCELLATION X*
- *1F5DE FONT SIZE SIGN becomes 1F5E6 INCREASE FONT SIZE SYMBOL*

Following this disposition of comment, Ireland changed its vote to yes.

Romania: Negative

Technical comment

T1. Old Hungarian name:

The block “Old Hungarian” is not adequate for encoding as such.

Proposed change by Romania:

Discussions with the specialists in the TC

Noted

This is really not actionable from a ballot disposition of comments point of view. Discussions have taken place several times, including experts from Hungary at various WG2 meetings. The current repertoire was created following discussion an ad-hoc committee in Helsinki taking into consideration various inputs, including Hungary MB.

Following this disposition of comment, because the comments solely refer to the Old Hungarian repertoire which was removed as a result of this disposition, the negative vote from the Romanian NB is not applicable.

United Kingdom: Positive with comments

Technical comment:

T.1. Clause 31 Latin Extended-D

Once again we reaffirm our support for the encoding of A78F LATIN LETTER MIDDLE DOT (see also the UK ballot comments for ISO/IEC 10646:2003 FPDAM8, SC2 N4123). This character cannot be suitably represented by any existing character, such as U+00B7 MIDDLE DOT (a punctuation mark with the wrong character properties) or U+02D1 MODIFIER LETTER HALF TRIANGULAR COLON (wrong glyph shape and wrong semantics), and no convincing arguments have been advanced for not encoding it. As there is a pressing need to use it for representing Tangut phonetic data, we would strongly object to any further delay in the encoding of this character.

Noted

USA: Negative

Technical comments:

T.1. Latin Extended-D

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 by US:

The U.S. requests the removal of U+A78F LATIN LETTER MIDDLE DOT. We reiterate that this character is unnecessary and is a damaging duplication for the standard and should be removed from the amendment.

Accepted

See also comment T1 from UK.

The character is removed from the proposed amendment with the understanding that it will be added to the next amendment.

Delta count (characters added from Pdam1.2: -84-1=-85)

T.2. Pau Cin hau

The revised names for 11AC5 PAU CIN HAU LETTER Y and 11ACA PAU CIN HAU LETTER X (to “PAU CIN HAU LETTER Z” and “PAU CIN HAU LETTER KH”) better reflect the modern phonology and Latin orthography for the Tedim language, which uses this script. The new names for glottal-stop marks are better descriptors of the characters properties and usage. The new name for 11AF1 PAU CIN HAU MID - LEVEL TONE LONG FINAL is a correction.

Proposed change by US:

The U.S. requests the following name changes:

<u>CODE POINT</u>	<u>CURRENT NAME</u>	<u>NEW NAME</u>
11AC5	PAU CIN HAU LETTER Y	PAU CIN HAU LETTER Z
11ACA	PAU CIN HAU LETTER X	PAU CIN HAU LETTER KH
11AE7	PAU CIN HAU GLOTTAL STOP VARIANT	PAU CIN HAU SANDHI GLOTTAL STOP
11AEA	PAU CIN HAU GLOTTAL STOP VARIANT FINAL	PAU CIN HAU SANDHI GLOTTAL STOP FINAL
11AF0	PAU CIN HAU GLOTTAL STOP OTHER	PAU CIN HAU GLOTTAL STOP VARIANT
11AF1	PAU CIN HAU MID- LEVEL TONE LONG	PAU CIN HAU MID- LEVEL TONE LONG FINAL

Accepted in principle

See also comment T5 from Ireland.

The names for 11AC5 and 11ACA are changed to PAU CIN HAU LETTER ZA and PAU CIN HAU LETTER KHA respectively.

T.3. Old Italic

The proposal has demonstrated that Rhetic can amply be covered by the Old Italic script.

Proposed change by US:

The U.S. requests the addition of U+1032F OLD ITALIC LETTER TTE, as proposed in N4046 (L2/11-146).

Not accepted

There is controversy about this topic based on discussion at the last WG2 meeting, and the US is invited to engage in further discussion with interested experts and to provide new evidences.

T.4. Miscellaneous Symbols and Pictographs

An error appears in the names list.

Proposed change by US:

The character U+1F545 SYMBOL FOR CHAPTER MARKS contains an error in the name, and should be corrected to: SYMBOL FOR MARKS CHAPTER.

Accepted

T.5. Combining Half Marks

Two errors appear in the names list.

Proposed change by US:

Two character names are in error and need have “DOUBLE” removed from their names:

(Current names)

U+FE29 COMBINING DOUBLE TILDE LEFT HALF BELOW

U+FE2A COMBINING DOUBLE TILDE RIGHT HALF BELOW

(Corrected names)

U+FE29 COMBINING TILDE LEFT HALF BELOW

U+FE2A COMBINING TILDE RIGHT HALF BELOW.

Accepted

T.6. (various blocks containing Webdings and Wingdings)

The U.S. requests the addition of Webdings characters and modifications to the set of Wingdings characters currently in the PDAM 1.2 (SC2 N4201), as described in N4143 (L2/11-344).

Partially accepted

The document 4143 covers many issues that have been separated in sections which were considered during WG2 #59 by an ad hoc group and solved accordingly. This disposition reflects the outcome (some of the result is reflected in other dispositions of comments from Germany and Ireland as appropriate):

a) White arrow glyph change

The document N4143 asks for reunification of 10 characters (Wingdings-239 to 248, corresponding to the white arrows) and the addition of 113 Webdings characters.

The reunification of the 10 white arrows is associated with a request to use the glyphs from the Wingdings set to represent these 10 characters in the UCS. The 10 characters in question are consistent among themselves and are also more compatible in design with keyboard symbols which are typically associated with these symbols.

More context on the white arrows

In October 2010 in Busan, WG2 resolved to change the glyphs for 5 of these white arrows to make them much thicker in a style that was closer to the symbols found in keyboard (along with 9 other keyboard related symbols in the same block). This was incorporated in the FCD of 10646 3rd edition.

In June 2011 in Helsinki, per accepting comment E.2 from US, these glyph changes were undone, partially on the issue that the change was inconsistent with the rest of the white arrow set in the 2B00..2B04 ranges. And we also knew by then that the Wingding set was bringing some new element into the discussion.

The original rationale as expressed in Busan was that white arrow set in the 2190-21FF block was too 'skinny' to represent appropriately keyboard symbols. But the 'fix' as done in the FCD went too far in the fattening and created a sync issue with other white arrows. In that aspect the Wingdings white arrows are a much better compromise.

Checking on how some commercial fonts implemented these characters (mostly Japanese and symbol oriented ones) shows that they vary widely, not implementing the current 'skinny' type but mostly varying

on fat shapes. The basic 4 white arrows have been in 10646/Unicode since version 2.0 of Unicode and SO/IEC10646-1:1993 (likely) and probably came from SJIS mapping.

This means that the argument for preserving current shapes based on implementations is not that strong. The Wingdings shapes are much closer to what is currently implemented and they are also closer to what would be expected for the representation of related keyboard symbols.

The glyph change for these 10 characters (21E6..21E9, 21F3, 2B00..2B04) is accepted, along with removal of the proposed rectangular white arrow located at 1F880..1F889. In addition, glyphs for related white arrows (21EA..21F0) are also updated. Finally, the glyphs for 9 black arrows in the range 2B05..2B0D are also updated.

To complete the set of BLACK ARROW in 2B05..2B0D a new character is added:
2B95 RIGHTWARDS BLACK ARROW

(The character 27A1 BLACK RIGHTWARDS ARROW in the dingbat block is not an appropriate match for the other 9 characters).

This represents a total of 26 glyph changes concerning arrow, 10 removals, and one addition.

Delta count (characters added from Pdam1.2: -85-10+1=-94)

b) Various glyph changes

Concerning glyph modifications, the document N4113 calls to attention some unification between UCS and Wingdings that could cause glyph changes in the UCS. Among those, beyond the white arrow sets mentioned above, others deserve further study.

The first category shows characters that will not be unified, and thus two new code points are proposed (see part c):

Wing dings ID	New UCS	Wing dings glyph	UCS of similar glyph	UCS glyph	New name versus current name
0143	1F5E0		1F4C8		STOCK CHART versus CHART WITH UPWARDS TREND
0209	1F5DD		1F511		OLD KEY versus KEY

The second category shows one character that is unified with a different character (no addition, no glyph change):

Wing dings ID	Wing dings glyph	UCS	UCS glyph	Name and comment
0119		26F1		FLAG ON HOLE (used to be 1F6A9 TRIANGULAR FLAG ON POST) Unlike 1F6A9, the character encoded in 26F1 has an implied 'golf' semantics, although the glyph is far from optimal

The third category shows one character for which the glyph change was not accepted.

Wing dings ID	Wing dings glyph	UCS	UCS glyph	Name and comment
0181		1F4F7		CAMERA

The fourth category shows the character for which the mapping will be changed. The Wingdings w-1038 was previously mapped to UCS 1F4D6. It is now mapped to a newly proposed character at 1F56E. In addition the glyph for 1F4D6 is modified for harmonization.

Wingdings ID	New UCS	Wingdings glyph	UCS	UCS glyph	New name versus current name
1038	1F56E		1F4D6		BOOK versus OPEN BOOK

The fifth category shows the characters for which the original UCS glyphs were modified to a shape more compatible with the Webdings Wingdings collection. Characters without Wingdings ID correspond to characters not mapped to Webdings/Wingdings but that are modified by association.

Note that the UCS glyphs below reflect the new shapes for these 14 characters.

Wingdings ID	Wingdings glyph	UCS	UCS glyph	Name and comment
0037		1F3C6		TROPHY
0138		1F3CA		SWIMMER
1044		1F4EA		CLOSED MAILBOX WITH LOWERED FLAG,
1045		1F4EB		CLOSED MAILBOX WITH RAISED FLAG
1046		1F4EC		OPEN MAILBOX WITH RAISED FLAG
1047		1F4ED		OPEN MAILBOX WITH LOWERED FLAG
		1F507		SPEAKER WITH CANCELLATION STROKE
0088		1F508		SPEAKER
		1F509		SPEAKER WITH ONE SOUND WAVE
		1F50A		SPEAKER WITH THREE SOUND WAVES
0118		1F68D		ONCOMING BUS
0128		1F6B9		MENS SYMBOL
0129		1F6BA		WOMENS SYMBOL
		1F6BB		RESTROOM

c) Addition of new Webdings characters

Concerning the addition of the 113 Webdings characters, an ad hoc was conducted during meeting WG2 59 with the results that some characters were moved from Amendment 1 to Amendment 2, others were added to Amendment 1, and finally others were added to Amendment 2.

As a result of this ad hoc committee and disposition, the original repertoire of 222 characters were distributed as follows:

- 51 were part of the PDAM1 repertoire and did not get any negative feedback in the ballot, one of these 51 characters will be moved to PDAM2 because it is related to a larger group added in that amendment.
- 17 characters are added to the DAM1 because there were deemed non-controversial and should not need more than a technical ballot.
- 92 characters will be added to PDAM2 because they require more study concerning name and graphic representation.
- The remaining 62 characters are unified with existing UCS characters.

This results in the addition of 16 (17-1) character for this amendment and the proposal of 93 (92 + 1) Webdings characters for PDAM2.

Because one Webding character (1F395 BOUQUET OF FLOWERS) was already accepted by Irish comment T6 a), it has to be removed from the count of 16.

Delta count (characters added from Pdam1.2: -94+15=-79)

The following table describes the 109 (17+92) Webdings characters that were in not PDAM1 repertoire with proposed glyphs and names that are distributed between Amendment 1 and 2.

ID	Original Glyph	New Glyph	UCS	Name	Amendment #
0035			1F572	NO PIRACY	2
0036			1F576	DARK SUNGLASSES = cool	2
0038			1F396	MILITARY MEDAL = award	2
0040			1F5E8	LEFT SPEECH BUBBLE	2
0041			1F5E9	RIGHT SPEECH BUBBLE	2
0042			1F5F0	MOOD BUBBLE = new → 1F4A5 <input type="checkbox"/> collision symbol	2
0043			1F5F1	LIGHTNING MOOD BUBBLE = updated → 26A1 <input type="checkbox"/> high voltage	2
0046			1F67E	CHECKER BOARD → 259E <input type="checkbox"/> quadrant upper right and lower left	1
0063			1F5F3	BALLOT BOX WITH BALLOT = vote → 2612 <input checked="" type="checkbox"/> ballot box with x	2
0065			1F3D0	BUILDING CONSTRUCTION SIGN = under construction → 1F6A7 <input type="checkbox"/> construction sign	2
0066			1F3D1	WHITE HOUSES WITH TERRAIN = town → 1F3E1 <input type="checkbox"/> house with garden	2
0067			1F3D2	CITYSCAPE = skyline, city → 1F306 <input type="checkbox"/> cityscape at dusk	2
0068			1F3D3	CONDEMNED HOUSE WITH TERRAIN = derelict site → 1F3E0 <input type="checkbox"/> house building	2
0069			1F3D4	DESERT TERRAIN = desert → 1F335 <input type="checkbox"/> cactus	2
0070			1F3D5	FACTORY WITH TERRAIN = factory → 1F3ED <input type="checkbox"/> factory	2

ID	Original Glyph	New Glyph	UCS	Name	Amendment #
0071			1F3D6	CLASSICAL FACADE WITH TERRAIN = public building	2
0072			1F3D7	SINGLE HOUSE WITH TERRAIN = home → 1F3E1 <input type="checkbox"/> house with garden	2
0073			1F3D8	BEACH WITH UMBRELLA = beach → 26F1 <input type="checkbox"/> umbrella on ground	2
0074			1F3D9	DESERT ISLAND = island → 1F334 <input type="checkbox"/> palm tree	2
0075			1F3DA	HIGHWAY WITH BILLBOARD = motorway	2
0077			1F3DB	MOUNTAIN OR VOLCANO = mountain → 1F30B <input type="checkbox"/> volcano → 1F5FB <input type="checkbox"/> mount fuji → 26F0 <input type="checkbox"/> mountain	2
0080			1F3DC	TRAIL = park → 1F332 <input type="checkbox"/> evergreen tree	2
0081			1F3DD	CAMPING → 26FA <input type="checkbox"/> tent	2
0082			1F3DE	TRAIN TRACKS WITH TERRAIN = railroad	2
0083			1F3DF	SPORTS ARENA WITH TERRAIN = stadium	2
0084			1F6D1	SHIP AND OCEAN = ship = cruise line vacation → 1F6A2 <input type="checkbox"/> ship	2
0085			1F56C	BULLHORN WITH SOUND WAVES = sound on → 1F4E3 <input type="checkbox"/> cheering megaphone → 1F50A <input type="checkbox"/> speaker with three sound waves	2
0086			1F56B	BULLHORN = sound off → 1F508 <input type="checkbox"/> speaker	2
0090			1F395	BOUQUET OF FLOWERS = occasion → 1F490 <input type="checkbox"/> bouquet	1
0091			1F5EC	LEFT THOUGHT BUBBLE	2
0093			1F5ED	RIGHT THOUGHT BUBBLE → 1F4AD <input type="checkbox"/> thought balloon	2
0094			1F5EA	TWO SPEECH BUBBLES = chat	2
0095			1F5EB	THREE SPEECH BUBBLES = conference	2
0100			1F6E1	SHIELD = US road sign interstate highway	2
0102			1F6D4	ONCOMING FIRE ENGINE = fire → 1F692 <input type="checkbox"/> fire engine	2
0104			1F6D5	BLACK AMBULANCE = medical → 1F691 <input type="checkbox"/> ambulance	2
0106			1F6D6	SMALL AIRPLANE → 2708 <input type="checkbox"/> airplane	2
0107			1F6D7	SATELLITE	2
0109			1F574	MAN IN BUSINESS SUIT LEVITATING = jump	2

ID	Original Glyph	New Glyph	UCS	Name	Amendment #
0111			1F6D0	MOTOR BOAT SIDEWAYS = boat → 1F6A4 <input type="checkbox"/> speedboat	2
0116			1F6D2	DIESEL LOCOMOTIVE WITH TERRAIN = train → 1F682 <input type="checkbox"/> steam locomotive → 1F686 <input type="checkbox"/> train	2
0117			1F6D3	UNDERGROUND TRAIN = metro → 1F687 <input type="checkbox"/> metro	2
0123			1F5EE	LEFT ANGER BUBBLE = shout left	2
0125			1F5EF	RIGHT ANGER BUBBLE = shout right	2
0126			1F5F2	LIGHTNING MOOD = lightning bolt → 26A1 <input type="checkbox"/> high voltage sign	2
0130			1F6C9	BOY SYMBOL = boy	1
0131			1F6CA	GIRL SYMBOL = girl	1
0134			1F3CB	WEIGHT LIFTER = health	2
0137			1F3CC	GOLFER	2
0140			1F3CD	MOTORCYCLE RIDER = motorcycle	2
0141			1F3CE	RACE CAR WITH RIDER = race car	2
0143			1F5E0	STOCK CHART = finance	2
0144			1F6E2	OIL DRUM = commodities	2
0146			1F3F7	LABEL = price → 1F516 <input type="checkbox"/> bookmark	2
0149			1F5E1	DAGGER KNIFE = rated for violence = hate → 1F52A <input type="checkbox"/> hocho	2
0150			1F5E2	LIPS = rated for sex = kiss → 1F48B <input type="checkbox"/> kiss mark	2
0151			1F5E3	SPEAKING HEAD SILHOUETTE = rated for strong language	2
0160			1F575	SLEUTH OR SPY = investigate	2
0161			1F570	MANTELPiece CLOCK = clock → 23F0 <input type="checkbox"/> alarm clock	2
0162			1F5BD	FRAMED PICTURE WITH TILES = frames	2
0163			1F5BE	FRAME WITH AN X = no frames, no picture	2
0165			1F5D2	SPIRAL NOTE PAD = note → 1F4C5 <input type="checkbox"/> calendar	2
0166			1F5DC	SPIRAL CALENDAR PAD = calendar → 1F4C6 <input type="checkbox"/> tear-off calendar	2
0167			1F56E	BOOK = book → 1F4D6 <input type="checkbox"/> open book	1

ID	Original Glyph	New Glyph	UCS	Name	Amendment #
0169			1F5DE	ROLLED-UP NEWSPAPER = news → 1F4F0 ☐ newspaper	2
0170			1F5DF	PAGE WITH CIRCLED TEXT = classified	2
0171			1F5C3	CARD FILE BOX = archive	2
0172			1F5C2	BLACK CARD INDEX = index → 1F4C7 ☐ card index	2
0173			1F5BC	FRAMED PICTURE = art	2
0176			1F398	MUSICAL KEYBOARD WITH JACKS = midi, midi keyboard → 1F3B9 ☐ musical keyboard	2
0177			1F399	STUDIO MICROPHONE = microphone → 1F3A4 ☐ microphone	2
0180			1F39E	FILM FRAMES = film clip	2
0182			1F39F	ADMISSION TICKETS = ticket → 1F3AB ☐ ticket	2
0184			1F4FD	FILM PROJECTOR = movies → 1F3A6 ☐ cinema	2
0186			1F4FE	PORTABLE STEREO = stereo	2
0188			1F39A	LEVEL SLIDER = level control	2
0189			1F39B	CONTROL KNOBS = audio control	2
0190			1F4FF	TELEVISION FLAT CRT → 1F4FA ☐ television	2
0191			1F5A4	COMPUTER MONITOR → 1F4BB ☐ personal computer	2
0195			1F579	JOYSTICK	2
0196			1F57A	BLACK GAME CONTROLLER = game pad → 1F3AE ☐ video game	2
0198			1F57C	TELEPHONE RECEIVER WITH PAGE = fax → 1F4E0 ☐ fax machine	2
0200			1F581	CLAMSHELL MOBILE PHONE = cellular phone → 1F4F1 ☐ mobile phone	2
0201			1F580	TELEPHONE ON TOP OF MODEM = modem	2
0206			1F5DC	COMPRESSION	2
0209			1F5DD	OLD KEY	2
0213			1F323	WHITE SUN = sunny → 263C ☀ white sun with rays	1
0214			1F324	WHITE SUN WITH SMALL CLOUD = mostly sunny → 26C5 ☐ sun behind cloud	1
0215			1F325	WHITE SUN BEHIND CLOUD = mostly cloudy	1
0216			1F326	WHITE SUN BEHIND CLOUDS WITH RAIN = showers	1

ID	Original Glyph	New Glyph	UCS	Name	Amendment #
0218			1F328	CLOUD WITH SNOW = snow, snow showers	1
0219			1F327	CLOUD WITH RAIN = rain	1
0220			1F329	CLOUD WITH LIGHTNING = lightning, thunderstorm → 26C8 ☁ thunder cloud and rain	1
0221			1F32A	CLOUD WITH TORNADO = tornado, twister	1
0222			1F32C	WIND BLOWING FACE = wind	1
0223			1F32B	FOG → 1F301 ☁ foggy	1
0226			1F6CB	COUCH AND LAMP = furniture, lifestyles	2
0227			1F6CC	BED IN PERSPECTIVE = hotel, guestrooms, accommodation → 1F3E8 🛏 hotel	2
0230			1F6CE	BELLHOP BELL = reception, services	2
0231			1F6CF	TWO SHOPPING BAGS = shopping	2
0234			1F6C6	TRIANGLE WITH ROUNDED CORNERS = caution → 25B3 ⚠ white up-pointing triangle	1
0235			1F588	BLACK PUSHPIN = marker → 1F4CC 📌 pushpin	2
0237			1F5E4	THREE RAYS ABOVE	2
0238			1F5E5	THREE RAYS BELOW	2
0239			1F5E6	THREE RAYS LEFT → 269E ☸ three lines converging right	2
0240			1F5E7	THREE RAYS RIGHT → 269F ☸ three lines converging left	2
0241			1F6D7	AIRPLANE RISING = airplane	2
0242			1F43F	CHIPMUNK = animal	2
0255			1F54A	DOVE = peace	1

The following group contains characters that were considered for addition but were unified with existing UCS characters.

ID	Original Glyph	UCS Glyph	UCS	Name
0101			1F4E6	(black) PACKAGE
0119			26F3	FLAG ON HOLE (golf pennant)
0132			1F6BC	(swaddled) BABY SYMBOL
0133			1F47D	(black) EXTRATERRESTRIAL ALIEN = scifi
0138			1F3CA	(rightwards) SWIMMER
0145			1F4B0	(black) MONEY BAG = money

ID	Original Glyph	UCS Glyph	UCS	Name
0164			1F4CB	CLIPBOARD (sideways)
0217			2601	(black) CLOUD = cloudy

The following group contains characters that were moved from Amendment 1 to Amendment 2 because they belonged to a group that was otherwise included in whole in Amendment 2.

ID	Original Glyph	UCS	Name	Amendment #
0228		1F6CD	FORK AND KNIFE WITH BLACK PLATE	2

d) Addition of related characters

The following group contains characters that were added to Amendment 1 and 2 for completion.:

Glyph	UCS	Name	Amendment #
	1F3C5	SPORTS MEDAL	2
	1F3F2	BLACK PENNANT	1
	1F3F4	WAVING BLACK FLAG	1
	1F4F8	CAMERA WITH FLASH	2
	1F67F	REVERSE CHECKER BOARD	1

Delta count (characters added from Pdam1.2: -79+3=-76)

Editorial comments:

E.1. Page 1, Typographic error

The following line should remove an “s” in “formats”:
Insert the following entry in the list of formats characters:

Accepted

E.2. Page 1, 3, 4, and 5 Typographic errors

On pages 1, 3, 4, and 5 and 5, the block name “Short hand” should be replaced by “Shorthand.”

Accepted

E.3. Duployan

The named aliases for U+1BC0B, U+1BC70-U+1BC75 and U+1BC80 has a recurrent typo: “Pernin ReportersÖ”. It should be “Pernin Reporters’, with a single quote instead of “Ö”.

Accepted

E.4. Enclosed Alphanumeric Supplement

The italicized comment immediately above U+1F10B should remove the “s” in “complements”:
These digits complements the sans-serif digit sets in the Dingbat block 2780-2789 and 278A-2793.

Accepted

E.5. Geometric Shapes Extended

In the italicized comment, the verb should just be “originate” (instead of “are originated”):
These geometric shapes are originated from the Webdings/Wingdings collections.

Accepted

E.6. Limbu

The requested glyph modifications will more faithfully reflect those shown in the original proposal N3975 (L2/11-008) and be more consistent with other glyphs in the chart.

Proposed change by US:

The U.S. requests the glyphs for U+191D LIMBU LETTER GYAN and U+191E LIMBU LETTER TRA be modified as follows:

(Current)

𑄀 190C	𑄁 191C
𑄂 190D	𑄃 191D
𑄄 190E	𑄅 191E

(glyphs in original proposal)

𑄃 𑄅

(glyphs in figure 1)

𑄃 𑄅

Accepted

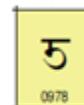
E.7. Devanagari

The proposed glyph change will more faithfully reflect the shape shown in the revised proposal N3970 (L2/10-475R), dated 23 May 2011.

Proposed change by US:

The U.S. requests the glyph for U+0978 DEVANAGARI LETTER MARWARI DDA be modified as follows:

(Current)



(as reflected in revised proposal)

𑄃

Accepted

E.8. Cover page and pages 1 and 3, Typographic error

The title of the PDAM on the cover page of N4201 currently reads: “Amendment 1: Linear A, Palmyrene, Manichean, Khojki, Khudawadi, Bassa Vah, Duployan, and other characters”. The script name “Manichean” is a typo for “Manichaeon” and should also be corrected on pages 1 and 3.

Accepted

Following this disposition of comment, the USA changed its vote to yes.