

ISO
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ISO/IEC JTC1/SC2/WG2
Universal Multiple-Octet Coded Character Set (UCS)

ISO/IEC JTC1/SC2/WG2 *N 2320*

Date: 2001-01-29

TITLE: Comments (1 & 2) on PDAM1 of ISO/IEC 10646-1
SOURCE: Bruce Paterson
ACTION: For review by WG2
DISTRIBUTION: Members of JTC1/SC2/WG2

I have reviewed PDAM1 of 10646-1 (aka SC2 N 3503) and I have the following essentially editorial comments. A few relate only to the editing instructions in the PDAM and therefore should not affect the actual content of the standard as eventually amended. But the others relate more directly to the amendments themselves.

As you know, the UK National Body is no longer a member of SC2, so I cannot submit my comments through that formal channel. Accordingly I must leave it to you to decide how to arrange for any of these comments to be considered during the ballot process, if you think that they would lead to improvements in the text.

Regards - Bruce

Editorial Comments.

Item 1. Math.... /1. Modifications to existing tables:

- In the last line of the Note, the entry hex FA68 is a typo for FA6B. However the existing Table 131, Row FA, to which it relates, only covers the range up to FA5F. The remainder of the new code positions, in FA60 - FA6B, are covered by the new Table 154 (aka 141) in Item 2, New Tables.

Item 1. Math.... /2. New Tables:

- The editing instruction at the start of this section says: "the new character names replacing the existing entries..."But these are new tables, and thus there are no existing entries.
- Amend the first entry of the list to Table 144 - Row 05 (not 04)
- Amend the last entry of the list to Table 154 - Row FA (not AF).

Item 2. Reference to Part 2 / Page v, Foreword:

- The published 2nd Edition already includes an entry for Part 2, but with a much more long-winded title, identifying each of the three planes specified in the current draft.

Item 3. Restriction of Code Positions / Page 881, Annex A:

- Paragraph 3 which starts "Under Note 1, change the text "90,..." is nothing to do with this item. It belongs in item 9.

Item 5. UCS Sequence identifiers:

- The first sentence of the new clause 6.6 is a real puzzle, completely confusing to the reader as to its real purpose, and also because it mixes up the definition of the new term "UCS Sequence" with the definition of the syntax of an identifier for such sequences.

My suggested rewording may not give the right flavour since I did not take part in the discussions on the subject. But I offer the following in hopes, based on 6.5 etc., and carefully avoiding the nebulous term "entity". "ISO/IEC 10646 defines an identifier for any sequence of characters taken from the standard. Such an identifier is known as a UCS Sequence Identifier (USI). For a sequence of n characters it has the following form: <UID1, UID2, UID3,.. UIDn> where UID1, UID2, UID3, etc. represent the short identifiers [not "unique identifiers identifiers"] of the corresponding characters, in the same order as those characters appear in the sequence."

Item 6. Characters reserved.....:

- The letter "r" is missing from "reserved" in the title.
- This item needs an additional editing instruction to say: "Replace Table 136 - Row FD with new table (see Item 15)."

Item 7. Alternate format characters:

- The new paragraph should refer to Annex F, otherwise the reader will not know what an Alternate Format Character is.

Item 9. Annex A.1:

- In the new collection 10646 UNICODE, the first code position range 0000 - FDCF has an asterisk, indicating that it is a fixed collection. Is that really intended or practical?
- In the alphabetical list of keywords, you should add collection "92" to the entry "Cyrillic", not "93".

Item 15. Code tables and name lists:

- In Table 144 (aka 12) - Row 05, the title should be Cyrillic Supplementary [not Supplement].
- In Table 146 - Row FD, the glyphs in column FDC are all wrong. They have been taken from 0640-0647 in 2nd Edition.

END OF COMMENTS

Here are a few more editorial comments on PDAM1 of 10646-1.

Editorial Comments (2)

Item 1. Math2. new tables:

- In Table 80 - Row 29 the character names at positions 29A8- 29AB include terms "TO THE" which are superfluous, and inconsistent with the names in the next four positions, 29AC-29AF.
- In Table 79 - Row 29 the name at 2933 also has a superfluous "TO THE" in it.
- In Table 82 - Row 2A the glyphs for positions 2ADC and 2ADD seem to have been swapped. The glyph at 2ADC has an extra diagonal stroke compared with 2ADD, which implies a negative, yet the name at 2ADD is the negative NONFORKING.
- Further to the above, the name should be NON-FORKING with a hyphen, as you would not find the word in a dictionary as presently spelled.

Item 6. Page 8, clause 8:

- The new last paragraph states that certain code positions are reserved. However the annotations for those positions in the Tables of characters state:

"(This position is permanently reserved)"

The reader can reasonably ask what is the difference between "reserved" and "permanently reserved". Perhaps the new paragraph should also say "permanently reserved", with a Note to explain the context of permanence, i.e. that "permanently" means no change if the standard is amended in future.

END OF COMMENTS (2)
