Title:	Comments accompanying the US positive vote on FPDAM4 to ISO/IEC 10646:2003
Source:	INCITS/L2
Action:	Forward to INCITS

The US National Body is voting Yes with comments on the following SC2 ballot.

SC2N3943: Information technology -- Universal Multiple-Octet Coded Character Set (UCS) -- AMENDMENT 4: Lanna, Cham, Game Tiles, and other characters

Technical Comments:

T.1 Source reference for existing CJK characters (page 2)

The WG2 Resolution M50.20 (dis-unification of CJK Unified ideograph 4039) was not completely conveyed in amendment 4. In addition to the removal of T4-3946, it also needs to be replaced by T6-4B7A. Furthermore, the linked file CJKU_SR.txt has none of these changes for the U+04039 entry. Note that the U+09FC3 is correct, and that this also needs to be fixed in the proposed amendment 5 which contains the CJKU_SR.txt file.

T.2 New collection numbers (page 3)

In page 3 of the amendment, the collections number for the proposed scripts are incorrect because they re-use number already allocated to scripts added by amendment 3. So the text after '112 ARABIC SUPPLEMENT' should read:

In the list of collection numbers and names, after

139 REJANG

insert new entries as follows:

140 LANNA	1A20-1AAF
141 CYRILLIC EXTENDED-A	2DE0-2DFF *
142 CYRILLIC EXTENDED-B	A640-A69F
143 CHAM	AA00-AA5F

These collection numbers are again used in the next page (ref Note 3 about keywords), and therefore they should be updated there as well.

T.3 Deprecation of existing collections (page 3)

The collection 271 COMBINING CHARACTERS B-2 is specified by direct referencing annex B.2 that this amendment is removing. Therefore it needs to be deprecated with wording similar to other deprecated collections (such as collections 400 and 500). The text for the definition of collection 270 COMBINING CHARACTERS and 1900 SMP COMBINING CHARACTERS also needs to be changed to point to annex B instead of annex B.1.

T.4 Shan characters (Myanmar)

The US is in favor of the re-ordering of the Shan characters as shows in WG2 N3277 which are already in the amendment (these are shown in blue in the document) to make room for additional characters (shown in yellow) in the future. N3277 also proposes a glyph change for 107A (formerly 1078) and name change for 108C (formerly 1085) from 'MYANMAR SIGN SHAN COUNCIL TONE-4' to 'MYANMAR SIGN SHAN COUNCIL TONE-3' which are agreeable by the US. In addition, the glyph for 1040 MYANMAR DIGIT ZERO should reflect actual use.

If the glyph is identical to the one used for 101D MYANMAR LETTER WA, there should not be an artificial difference as currently shown in N3277.

T.5 Malayalam Chillu characters

The US NB does not support a name change for 0D7C MALAYALAM LETTER CHILLU RR.

T.6 Latin Epigraphic characters

The US NB does not support the addition of lower case forms to these characters.

T.7 Mirrored characters

After further study the US NB is in favor of undoing the change made by Amendment 3 concerning the mirrored property of the following characters.

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2018    LEFT SINGLE QUOTATION MARK
2019    RIGHT SINGLE QUOTATION MARK
201A    SINGLE LOW-9 QUOTATION MARK
201B    SINGLE HIGH-REVERSED-9 QUOTATION MARK
201C    LEFT DOUBLE QUOTATION MARK
201D    RIGHT DOUBLE QUOTATION MARK
201E    DOUBLE LOW-9 QUOTATION MARK
201F    DOUBLE HIGH-REVERSED-9 QUOTATION MARK
301D    REVERSED DOUBLE PRIME QUOTATION MARK
301E    DOUBLE PRIME QUOTATION MARK
301F    LOW DOUBLE PRIME QUOTATION MARK
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As a result these characters should not be mirrored in bidirectional context.

Editorial Comments:

E.1 Definition of UNICODE 5.1 in A.6.6 (page 4)

Correct the definition as follows:

308   The fixed collection UNICODE 5.1 is arranged by planes as follows.

E.2 Identification of UTF-16 (page 7)

In the updated paragraph replace 'sequence and note' with 'sequence'

E.3 Identification of UTF-8 (page 7)

In the updated paragraph replace 'by following' with 'by the following'

E.4 Identification ASN.1 character abstract syntaxes (page 7)

Fix the Note 4 and following paragraph as follows:

NOTE 4 – As an example, the object identifier for the subset comprising the collections BASIC LATIN, LATIN-1 SUPPLEMENT, and MATHEMATICAL OPERATORS is:

{iso standard 10646 (0) level-3 (3) collections (1) 1 2 39}

ISO/IEC 8824 also specifies object descriptors corresponding to object identifier values. For an unrestricted repertoire, the corresponding object descriptor is as follows:

---End of US comments