INCITS/L2/11-067

Date: February 9, 2011

Title: Comments accompanying the U.S. positive vote on PDAM 1 of ISO/IEC 10646 (SC2 N4169)

Source: INCITS/L2

Action: Forward to INCITS

The U.S. National Body is voting Yes with comments on the following SC2 ballot: SC N4169: ISO/IEC 10646/PDAM1, Information Technology -- Universal Coded Character Set (UCS) -- Amendment 1: Palmyrene, Old North Arabian, Sindhi, Mro, Bassa Vah, and other characters.

Technical Comments

T.1. Sindhi

The U.S. requests the name of the "Sindhi" block, located at 112B0-112FF, be changed to "Khudawadi", and all character names in the block be changed, replacing the chart and nameslist on the ballot with the chart and nameslist shown in Annex A of this document. For a full description of the changes, see the revised proposal N3979.

Rationale: The name "Sindhi" is a broad term, typically referring to a class of scripts that are based on Landa. The name "Khudawadi" is well-attested in primary and secondary literature specifically for this script, and will prevent confusion. Feedback from the user community supports the change of name to "Khudawadi," as relayed in N3597. Today, the term "Sindhi script" is commonly used for the Arabic-based script used for writing the Sindhi language; the Arabic-based script is unrelated to the script being balloted.

T.2. Coptic Numbers

The U.S. requests the Coptic Numbers block (102E0-102FF) be changed to "Coptic Epact Numbers," and all character names likewise reflect this change as reflected L2/11-062.

Rationale: "Coptic Numbers" is too general a designation, since it implies these proposed characters are the usual Coptic numbers. Instead, the proposed characters are imported ("epact"), and a change of name to "Coptic Epact Numbers" will make this distinction clear, as discussed in N3958.

T.3. Miscellaneous Symbols and Pictographs

The U.S. requests the removal of 1F53E RIGHT-FACING ARMENIAN ETERNITY SIGN and 15F3F LEFT-FACING ARMENIAN ETERNITY SIGN from the Miscellaneous Symbols and Pictographs block and move the current LEFT-FACING ARMENIAN ETERNITY SIGN to 058E, with a name change to ARMENIAN ETERNITY SIGN.

Rationale: The Armenian standards ArmSCII-7, ArmSCII-8, and ArmSCII-8A contain only one character, which is represented by a left-facing glyph for the eternity sign. Adding two characters, where the national standards only show one, would create mapping problems.

T.4. Mro

The U.S. requests the removal of 16A6E MRO DANDA and 16A6F MRO DOUBLE DANDA, unless clarification of their status and more evidence of use can be provided.

Rationale: The proposal (N3589) provides no examples of a single danda. The status of the Mro double danda as either a unitary character or a sequence of characters is unclear, given the use of a full stop in the orthography as well.

T.5. Bassa Vah

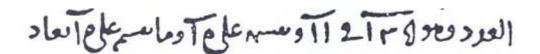
The U.S. requests the removal of 16AF5 BASSA VAH COMMA.

Rationale: Comments from the user community (L2/11-041) have made clear the character, which only appears in one Bassa Vah document, is a typographic error. It should be removed from the coding chart for Bassa Vah.

T.6. Arabic

The U.S. requests 0605 ARABIC COPTIC NUMBER MARK be renamed ARABIC NUMBER MARK ABOVE.

Rationale: This mark is used for Arabic, as is shown in the image below. If the Coptic epact numbers are given the Script property value "common," the ARABIC NUMBER MARK ABOVE could be used equally well with Coptic epact numbers. However, having both "Arabic" and "Coptic" in the character name is confusing, as it includes two scripts, contrary to 10646 naming guidelines.



Source: J. Lennart Berggren, Episodes in the Mathematics of Medieval Islam, Springer-Verlag, New York, 1986, p. 37.

Annex A

Annex A

	112B	112C	112D	112E	112F
0	M	8	a	ୀ	0
1	112B0	11200	112D0	112E0	112F0 Q
2	112B1	112C1	112D1	112E1	112F1 २
3	112B2	112C2	112D2	112E2	112F2 3
4	112B3	112C3	112D3	112E3	112F3
5	11284	3·	112D4 49	112E4	112F4
6	112B5	112C5	112D5	112E5	112F5
7	112B6	112C6	112D6 %	112E6	112F6
8	112B7	112C7	112D7 31	112E7	112F7
9	112B8	112C8	112D8 3	112E8	112F8
Α	112B9	11209	112D9	112E9	112F9
В	112BA	112CA	112DA	112EA	
	112BB	112CB	112DB		
С	112BC	112CC	112DC		
D	112BD	112CD	112DD		
Ε	112BE	112CE	112DE		
F	२. 112BF	112CF	112DF		

Figure 1: Proposed code chart for Khudwadi.

Annex A

112	30 m	KHUDAWADI LETTER A	112F0	0	KHUDAWADI DIGIT ZERO
112	31 m	KHUDAWADI LETTER AA	112F1	٩	KHUDAWADI DIGIT ONE
112	32 o	KHUDAWADI LETTER I	112F2	2	KHUDAWADI DIGIT TWO
112	33 ज	KHUDAWADI LETTER II	112F3	3	KHUDAWADI DIGIT THREE
112	34 e	KHUDAWADI LETTER U	112F4	४	KHUDAWADI DIGIT FOUR
112	35 G	KHUDAWADI LETTER UU	112F5	ч	KHUDAWADI DIGIT FIVE

Digits

112F6 ε KHUDAWADI DIGIT SIX

112F7 **9** KHUDAWADI DIGIT SEVEN

112F8 **C** KHUDAWADI DIGIT EIGHT

112F9 & KHUDAWADI DIGIT NINE

112B6 🕏 KHUDAWADI LETTER E 112B7 🔌 KHUDAWADI LETTER AI 112B8 M KHUDAWADI LETTER O

Independent vowels

112B9 🕅 KHUDAWADI LETTER AU

Consonants

112BA **n** KHUDAWADI LETTER KA 112BB **9** KHUDAWADI LETTER KHA 112BC D KHUDAWADI LETTER GA 112BD & KHUDAWADI LETTER GGA 112BE **>** KHUDAWADI LETTER GHA 112BF → KHUDAWADI LETTER NGA 112C0 **8** KHUDAWADI LETTER CA 112C1 **&** KHUDAWADI LETTER CHA 112C2 • KHUDAWADI LETTER JA 112C3 **w** KHUDAWADI LETTER JJA 112C4 **a** Khudawadi letter jha 112C5 3. KHUDAWADI LETTER NYA 112C6 **c** KHUDAWADI LETTER TTA 112C7 **c** KHUDAWADI LETTER TTHA 112C8 > KHUDAWADI LETTER DDA 112C9 **E** KHUDAWADI LETTER DDDA 112CA 3 KHUDAWADI LETTER RRA 112CB **6** KHUDAWADI LETTER DDHA 112CC **U** KHUDAWADI LETTER NNA 112CD **5** KHUDAWADI LETTER TA 112CE M KHUDAWADI LETTER THA 112CF • KHUDAWADI LETTER DA 112D0 a KHUDAWADI LETTER DHA 112D1 🗸 KHUDAWADI LETTER NA 112D2 **¬** KHUDAWADI LETTER PA 112D3 > KHUDAWADI LETTER PHA 112D4 **w** KHUDAWADI LETTER BA 112D5 **4** KHUDAWADI LETTER BBA 112D6 w KHUDAWADI LETTER BHA 112D7 n KHUDAWADI LETTER MA 112D8 37 KHUDAWADI LETTER YA 112D9 **3** KHUDAWADI LETTER RA 112DA 🥆 KHUDAWADI LETTER LA 112DB o KHUDAWADI LETTER VA 112DC **67** KHUDAWADI LETTER SHA 112DD π KHUDAWADI LETTER SA

Various signs

112DF : KHUDAWADI SIGN ANUSVARA

Dependent vowel signs

112DE > KHUDAWADI LETTER HA

112E0 | KHUDAWADI VOWEL SIGN AA 112E1 6 KHUDAWADI VOWEL SIGN I 112E2 1 KHUDAWADI VOWEL SIGN II 112E3 © KHUDAWADI VOWEL SIGN U KHUDAWADI VOWEL SIGN UU 112E5 KHUDAWADI VOWEL SIGN E 112E6 KHUDAWADI VOWEL SIGN AI 112E7 KHUDAWADI VOWEL SIGN O
112E8 KHUDAWADI VOWEL SIGN AU

Various signs

112E9 . KHUDAWADI SIGN NUKTA 112EA Ç KHUDAWADI SIGN VIRAMA

Figure 2: Proposed names list for Khudawadi.