

Universal Multiple-Octet Coded Character Set
International Organization for Standardization
Organisation internationale de normalisation
Международная организация по стандартизации

Doc Type: Working Group Document**Title: Preliminary proposal to encode the Eebee Hmong script in the UCS****Source: UC Berkeley Script Encoding Initiative (Universal Scripts Project)****Author: Michael Everson****Status: Liaison Contribution****Action: For consideration by JTC1/SC2/WG2 and UTC****Date: 2015-07-27**

1.0 Introduction. The Eebee Hmong script (from *Ib Npis* [í mp^hí], also known as *Puaj Txwm* [puâ tɕí]) script was devised for writing the Hmong language Mee Noo, styled Lord Mee Noo. A biography exists which records the story of his life including the creation of the Eebee Hmong alphabet, which began in Thailand as recorded in the sacred text: starting on 1 January 1978 in Sob Tuang, Nan province, Thailand. In this document, the Romanized Popular Alphabet orthography (widely used by the Hmong in North America) is given alongside example text in Eebee Hmong. Two features of the RPA are of note. Double vowels *ee* and *oo* indicate [ɛŋ] and [oŋ] respectively; final letters indicate tones thus:

RPA		
-b	ɿ	ɿ high-level
-m	ɿ̤	ɿ̤ low-glottalized
-d	ɿ̥	ɿ̥ low-rising
-j	ɿ̨	ɿ̨ high-falling
-v	ɿ̃	ɿ̃ mid-rising
-Ø	ɿ̄	ɿ̄ mid-level
-s	ɿ̌	ɿ̌ low-level
-g	ɿ̎	ɿ̎ falling-breathy

2.0 Processing. Eebee Hmong is an alphabetic script comprised of 66 consonant characters (*Niam txeej ntawv*), 5 vowel characters (*Tis ntawv*), and 8 tone characters (*Txis suab*). The five vowel characters are always combined as digraphs to represent 14 vowel phonemes as shown below. All vowels are written with digraphs. No vowel phonemes are marked with a single vowel graph. Tone marks follow the vowel digraphs.

ʌʌ ua ʌʌ ai ʌʌ oo ʌʌ ia ʌʌ u ʌʌ e ʌʌ au
 ʌʌ ee ʌʌ aw ʌʌ w ʌʌ a ʌʌ o ʌʌ i ʌʌ uay

Eebee Hmong syllables are separated by spaces in text. In some orthographic styles, consonant onsets are written doubled, so ʈʈUM *niam* might be written ʈʈʈʈUM *nniam*. Words without a consonant onset are written with ʌʌ EEBEE HMONG CONSONANT LETTER OS as the initial character.

2.1 Case. The user community reports that Eebee Hmong is a casing script, though existing (rather old) fonts do not mix the two. Definitive usage of text with bicameral behaviour has not yet been seen. In this

preliminary proposal the uppercase letters have been taken from the “AB Txooj I” font and the lowercase letters have been taken from the “AB Puaj Txwm” font.

3.0 Non-alphabetic characters are used in Eebee Hmong.

3.1.0 Punctuation marks similar in function to generic punctuation are found at ASCII 1E19F and 1E1AA..1E1AF. Ordinary generic punctuation marks like COMMA and FULL STOP are used in Eebee Hmong and can be represented by existing UCS characters.

3.1.1 Question mark 1E19F 𐄗 EEBEE HMONG SIGN LUS NUG is used as a question mark.

3.1.2 Reduplication mark 1E1AA 𐄘 EEBEE HMONG SIGN NTXIV LUS indicates reduplication of the syllable preceding: 𐄘𐄘 = 𐄘𐄘 𐄘𐄘. *tsuag tsuag* [tʃua tʃua] ‘hurry hurry’. Placement and spacing of this mark is yet to be determined.

3.1.3 Chanting intonation mark 1E1AB 𐄙 EEBEE HMONG SIGN LAUG SUAB indicates the sung or chanted nature of the text. It appears to be similar to 16B40 PAHAWH HMONG SIGN VPS SEEV. Placement and spacing of this mark is yet to be determined.

3.1.4 Arithmetic operators are 1E1AC 𐄚 EEBEE HMONG NTXIV (the plus sign), 1E1AD 𐄛 EEBEE HMONG RHO TAWM (the minus sign), 1E1AE 𐄜 EEBEE HMONG TSHOOJ (the multiplication sign), and 1E1AF 𐄝 EEBEE HMONG FAIB (the division sign).

3.0 Digits. 1E1A0..1E1A9 are the decimal digits 0–9. The font which was the source of the capital letters in this proposal also has glyphs specific to the digits. Whether this is an indication that the “capital letters” are just a font style or that digits have case (!) is yet to be determined. Compare 𐄀𐄁𐄂𐄃𐄄𐄅𐄆𐄇𐄈𐄉 with *M N X U V 7 H P C* .

4.0 Ordering. The ordering of the consonant onsets and tone marks follows that of the code chart. The vowel rimes are ordered in pairs thus:

𐄀 *ua* < 𐄁 *ai* < 𐄂 *oo* < 𐄃 *ia* < 𐄄 *u* < 𐄅 *e* < 𐄆 *au* < 𐄇 *ee* < 𐄈 *aw* < 𐄉 *w* < 𐄀 *a* < 𐄁 *o* < 𐄂 *i* < 𐄃 *uay*
12 *ua* < 21 *ai* < 13 *oo* < 31 *ia* < 14 *u* < 41 *e* < 45 *au* < 54 *ee* < 25 *aw* < 52 *w* < 51 *a* < 15 *o* < 55 *i* < 44 *uay*

This is problematic because data might include a variety of non-expected configurations including vowel letters on their own. A code-chart ordering would yield the following:

𐄀 *ua* < 𐄂 *oo* < 𐄄 *u* < 𐄁 *o* < 𐄃 *ai* < 𐄈 *aw* < 𐄃 *ia* < 𐄅 *e* < 𐄃 *uay* < 𐄆 *au* < 𐄀 *a* < 𐄉 *w* < 𐄇 *ee* < 𐄂 *i*
12 *ua* < 13 *oo* < 14 *u* < 15 *o* < 21 *ai* < 25 *aw* < 31 *ia* < 41 *e* < 44 *uay* < 45 *au* < 51 *a* < 52 *w* < 54 *ee* < 55 *i*

This ordering would cater for ordering single vowels like 𐄄 or unused pairs like 𐄀 11 or 𐄂 23. The user community should be consulted about this problem.

5.0 Unicode Linebreaking Properties. The consonant onsets, vowel rimes, and tone marks 1E100..1E14E and 1E150..1E19E behave like letters. The punctuation mark 1E19F behaves like 003F ?. The digits 1E1A0..1E1A9 behave like digits. The punctuation marks 1E1AA..1E1AB behave like 00B6 ¶. The arithmetical symbols 1E1AC..1E1AF behave like 002B +, 2212 −, 00D7 ×, and 00F7 ÷ respectively.

6.0. Unicode Character Properties.

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1E100;EEBEE HMONG CAPITAL CONSONANT RIAM  
1E101;EEBEE HMONG CAPITAL CONSONANT TXUAS  
...
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TO BE DONE.

7.0 References

Smalley, William A., & Nina Wimuttikosol. 1998. "Another Hmong Messianic Script and its Texts", in *Written language and literacy*. Amsterdam & Philadelphia: John Benjamin. Vol. 1, No. 1, pp. 103-128.

8.0. Acknowledgements. This project was made possible in part by a grant from the U.S. National Endowment for the Humanities, which funded the Universal Scripts Project (part of the Script Encoding Initiative at UC Berkeley) in respect of the Eebee Hmong encoding. Any views, findings, conclusions or recommendations expressed in this publication do not necessarily reflect those of the National Endowment for the Humanities.

	1E10	1E11	1E12	1E13	1E14	1E15	1E16	1E17	1E18	1E19	1E1A
0	𐄀 1E100	𐄁 1E110	𐄂 1E120	𐄃 1E130	𐄄 1E140	𐄅 1E150	𐄆 1E160	𐄇 1E170	𐄈 1E180	𐄉 1E190	𐄊 1E1A0
1	𐄋 1E101	𐄌 1E111	𐄍 1E121	𐄎 1E131	𐄏 1E141	𐄐 1E151	𐄑 1E161	𐄒 1E171	𐄓 1E181	𐄔 1E191	𐄕 1E1A1
2	𐄖 1E102	𐄗 1E112	𐄘 1E122	𐄙 1E132	𐄚 1E142	𐄛 1E152	𐄜 1E162	𐄝 1E172	𐄞 1E182	𐄟 1E192	𐄠 1E1A2
3	𐄡 1E103	𐄢 1E113	𐄣 1E123	𐄤 1E133	𐄥 1E143	𐄦 1E153	𐄧 1E163	𐄨 1E173	𐄩 1E183	𐄪 1E193	𐄫 1E1A3
4	𐄬 1E104	𐄭 1E114	𐄮 1E124	𐄯 1E134	𐄰 1E144	𐄱 1E154	𐄲 1E164	𐄳 1E174	𐄴 1E184	𐄵 1E194	𐄶 1E1A4
5	𐄷 1E105	𐄸 1E115	𐄹 1E125	𐄺 1E135	𐄻 1E145	𐄼 1E155	𐄽 1E165	𐄾 1E175	𐄿 1E185	𐅀 1E195	𐅁 1E1A5
6	𐅂 1E106	𐅃 1E116	𐅄 1E126	𐅅 1E136	𐅆 1E146	𐅇 1E156	𐅈 1E166	𐅉 1E176	𐅊 1E186	𐅋 1E196	𐅌 1E1A6
7	𐅍 1E107	𐅎 1E117	𐅏 1E127	𐅐 1E137	𐅑 1E147	𐅒 1E157	𐅓 1E167	𐅔 1E177	𐅕 1E187	𐅖 1E197	𐅗 1E1A7
8	𐅘 1E108	𐅙 1E118	𐅚 1E128	𐅛 1E138	𐅜 1E148	𐅝 1E158	𐅞 1E168	𐅟 1E178	𐅠 1E188	𐅡 1E198	𐅢 1E1A8
9	𐅣 1E109	𐅤 1E119	𐅥 1E129	𐅦 1E139	𐅧 1E149	𐅨 1E159	𐅩 1E169	𐅪 1E179	𐅫 1E189	𐅬 1E199	𐅭 1E1A9
A	𐅮 1E10A	𐅯 1E11A	𐅰 1E12A	𐅱 1E13A	𐅲 1E14A	𐅳 1E15A	𐅴 1E16A	𐅵 1E17A	𐅶 1E18A	𐅷 1E19A	𐅸 1E1AA
B	𐅹 1E10B	𐅺 1E11B	𐅻 1E12B	𐅼 1E13B	𐅽 1E14B	𐅾 1E15B	𐅿 1E16B	𐆀 1E17B	𐆁 1E18B	𐆂 1E19B	𐆃 1E1AB
C	𐆄 1E10C	𐆅 1E11C	𐆆 1E12C	𐆇 1E13C	𐆈 1E14C	𐆉 1E15C	𐆊 1E16C	𐆋 1E17C	𐆌 1E18C	𐆍 1E19C	𐆎 1E1AC
D	𐆏 1E10D	𐆐 1E11D	𐆑 1E12D	𐆒 1E13D	𐆓 1E14D	𐆔 1E15D	𐆕 1E16D	𐆖 1E17D	𐆗 1E18D	𐆘 1E19D	𐆙 1E1AD
E	𐆚 1E10E	𐆛 1E11E	𐆜 1E12E	𐆝 1E13E	𐆞 1E14E	𐆟 1E15E	𐆠 1E16E	𐆡 1E17E	𐆢 1E18E	𐆣 1E19E	𐆤 1E1AE
F	𐆥 1E10F	𐆦 1E11F	𐆧 1E12F	𐆨 1E13F		𐆩 1E15F	𐆪 1E16F	𐆫 1E17F	𐆬 1E18F	𐆭 1E19F	𐆮 1E1AF

The Eebɛe Hmong script (Ib Npɛs Hmong in RPA orthography) is also known as Puaj Txwm.

Upper-case consonant onsets

1E100	ᄠ	EEBEE HMONG CAPITAL CONSONANT RIAM
1E101	ᄡ	EEBEE HMONG CAPITAL CONSONANT TXUAS
1E102	ᄢ	EEBEE HMONG CAPITAL CONSONANT YIAS
1E103	ᄣ	EEBEE HMONG CAPITAL CONSONANT TSU
1E104	ᄤ	EEBEE HMONG CAPITAL CONSONANT NTAIV
1E105	ᄥ	EEBEE HMONG CAPITAL CONSONANT THOOB
1E106	ᄧ	EEBEE HMONG CAPITAL CONSONANT COS
1E107	ᄨ	EEBEE HMONG CAPITAL CONSONANT ZEB
1E108	ᄩ	EEBEE HMONG CAPITAL CONSONANT FWJ
1E109	ᄪ	EEBEE HMONG CAPITAL CONSONANT LIAB
1E10A	ᄫ	EEBEE HMONG CAPITAL CONSONANT MIV
1E10B	ᄬ	EEBEE HMONG CAPITAL CONSONANT DEV
1E10C	ᄭ	EEBEE HMONG CAPITAL CONSONANT QAIB
1E10D	ᄮ	EEBEE HMONG CAPITAL CONSONANT OS
1E10E	ᄯ	EEBEE HMONG CAPITAL CONSONANT NPUA
1E10F	ᄰ	EEBEE HMONG CAPITAL CONSONANT TWM
1E110	ᄱ	EEBEE HMONG CAPITAL CONSONANT NYUJ
1E111	ᄲ	EEBEE HMONG CAPITAL CONSONANT NQUAB
1E112	ᄳ	EEBEE HMONG CAPITAL CONSONANT NOOG
1E113	ᄴ	EEBEE HMONG CAPITAL CONSONANT PLAS
1E114	ᄵ	EEBEE HMONG CAPITAL CONSONANT HIAB
1E115	ᄶ	EEBEE HMONG CAPITAL CONSONANT VAB
1E116	ᄷ	EEBEE HMONG CAPITAL CONSONANT POS
1E117	ᄸ	EEBEE HMONG CAPITAL CONSONANT NKHAUS
1E118	ᄹ	EEBEE HMONG CAPITAL CONSONANT QHAUS
1E119	ᄺ	EEBEE HMONG CAPITAL CONSONANT RHAIS
1E11A	ᄻ	EEBEE HMONG CAPITAL CONSONANT HLUA
1E11B	ᄼ	EEBEE HMONG CAPITAL CONSONANT NCAS
1E11C	ᄽ	EEBEE HMONG CAPITAL CONSONANT DHIA
1E11D	ᄾ	EEBEE HMONG CAPITAL CONSONANT CHOJ
1E11E	ᄿ	EEBEE HMONG CAPITAL CONSONANT NTXHUAM
1E11F	ᅀ	EEBEE HMONG CAPITAL CONSONANT PLHAUB
1E120	ᅁ	EEBEE HMONG CAPITAL CONSONANT NKOJ
1E121	ᅂ	EEBEE HMONG CAPITAL CONSONANT TSHEEB
1E122	ᅃ	EEBEE HMONG CAPITAL CONSONANT NCHO
1E123	ᅄ	EEBEE HMONG CAPITAL CONSONANT MLUAV
1E124	ᅅ	EEBEE HMONG CAPITAL CONSONANT KAB
1E125	ᅆ	EEBEE HMONG CAPITAL CONSONANT NTSAUM
1E126	ᅇ	EEBEE HMONG CAPITAL CONSONANT HMOV
1E127	ᅈ	EEBEE HMONG CAPITAL CONSONANT XAUV
1E128	ᅉ	EEBEE HMONG CAPITAL CONSONANT HNUB
1E129	ᅊ	EEBEE HMONG CAPITAL CONSONANT NRUAS
1E12A	ᅋ	EEBEE HMONG CAPITAL CONSONANT NPLHOS
1E12B	ᅌ	EEBEE HMONG CAPITAL CONSONANT NRHOOB
1E12C	ᅍ	EEBEE HMONG CAPITAL CONSONANT XYOOB
1E12D	ᅎ	EEBEE HMONG CAPITAL CONSONANT NTXHW
1E12E	ᅏ	EEBEE HMONG CAPITAL CONSONANT KHO
1E12F	ᅐ	EEBEE HMONG CAPITAL CONSONANT NTHUAV
1E130	ᅑ	EEBEE HMONG CAPITAL CONSONANT PHOM
1E131	ᅒ	EEBEE HMONG CAPITAL CONSONANT QHOV
1E132	ᅓ	EEBEE HMONG CAPITAL CONSONANT TXHAUM
1E133	ᅔ	EEBEE HMONG CAPITAL CONSONANT NTSHUA
1E134	ᅕ	EEBEE HMONG CAPITAL CONSONANT NQHIS
1E135	ᅖ	EEBEE HMONG CAPITAL CONSONANT NPHOO
1E136	ᅗ	EEBEE HMONG CAPITAL CONSONANT SUAB
1E137	ᅘ	EEBEE HMONG CAPITAL CONSONANT NPLOOJ
1E138	ᅙ	EEBEE HMONG CAPITAL CONSONANT HNYAV
1E139	ᅚ	EEBEE HMONG CAPITAL CONSONANT NGOS
1E13A	ᅛ	EEBEE HMONG CAPITAL CONSONANT OSS

1E13B	ᅜ	EEBEE HMONG CAPITAL CONSONANT HMLOS
1E13C	ᅝ	EEBEE HMONG CAPITAL CONSONANT CUAB QAIB
1E13D	ᅞ	EEBEE HMONG CAPITAL CONSONANT DIB NEES
1E13E	ᅟ	EEBEE HMONG CAPITAL CONSONANT NTHE QAIB
1E13F	ᅠ	EEBEE HMONG CAPITAL CONSONANT QAWS NCAUJ
1E140	ᅡ	EEBEE HMONG CAPITAL CONSONANT DOV NPLAIG
1E141	ᅢ	EEBEE HMONG CAPITAL CONSONANT DLEJ

Upper-case vowel rimes

1E142	ᅣ	EEBEE HMONG CAPITAL VOWEL NTXUAM LUS
1E143	ᅤ	EEBEE HMONG CAPITAL VOWEL TUAU LUS
1E144	ᅥ	EEBEE HMONG CAPITAL VOWEL TOO LUS
1E145	ᅦ	EEBEE HMONG CAPITAL VOWEL TES LUS
1E146	ᅧ	EEBEE HMONG CAPITAL VOWEL TAUU LUS

Upper-case tone marks

1E147	ᅨ	EEBEE HMONG CAPITAL TONE KEEB
1E148	ᅩ	EEBEE HMONG CAPITAL TONE KO
1E149	ᅪ	EEBEE HMONG CAPITAL TONE MOD
1E14A	ᅫ	EEBEE HMONG CAPITAL TONE DEJ
1E14B	ᅬ	EEBEE HMONG CAPITAL TONE AV
1E14C	ᅭ	EEBEE HMONG CAPITAL TONE TAWS
1E14D	ᅮ	EEBEE HMONG CAPITAL TONE TSHOOM
1E14E	ᅯ	EEBEE HMONG CAPITAL TONE TOG

Lower-case consonant onsets

1E150	ᅰ	EEBEE HMONG SMALL CONSONANT RIAM
1E151	ᅱ	EEBEE HMONG SMALL CONSONANT TXUAS
1E152	ᅲ	EEBEE HMONG SMALL CONSONANT YIAS
1E153	ᅳ	EEBEE HMONG SMALL CONSONANT TSU
1E154	ᅴ	EEBEE HMONG SMALL CONSONANT NTAIV
1E155	ᅵ	EEBEE HMONG SMALL CONSONANT THOOB
1E156	ᅶ	EEBEE HMONG SMALL CONSONANT COS
1E157	ᅷ	EEBEE HMONG SMALL CONSONANT ZEB
1E158	ᅸ	EEBEE HMONG SMALL CONSONANT FWJ
1E159	ᅹ	EEBEE HMONG SMALL CONSONANT LIAB
1E15A	ᅺ	EEBEE HMONG SMALL CONSONANT MIV
1E15B	ᅻ	EEBEE HMONG SMALL CONSONANT DEV
1E15C	ᅼ	EEBEE HMONG SMALL CONSONANT QAIB
1E15D	ᅽ	EEBEE HMONG SMALL CONSONANT OS • used as a null consonant in word beginning with a vowel
1E15E	ᅾ	EEBEE HMONG SMALL CONSONANT NPUA
1E15F	ᅿ	EEBEE HMONG SMALL CONSONANT TWM
1E160	ᆀ	EEBEE HMONG SMALL CONSONANT NYUJ
1E161	ᆁ	EEBEE HMONG SMALL CONSONANT NQUAB
1E162	ᆂ	EEBEE HMONG SMALL CONSONANT NOOG
1E163	ᆃ	EEBEE HMONG SMALL CONSONANT PLAS
1E164	ᆄ	EEBEE HMONG SMALL CONSONANT HIAB
1E165	ᆅ	EEBEE HMONG SMALL CONSONANT VAB
1E166	ᆆ	EEBEE HMONG SMALL CONSONANT POS
1E167	ᆇ	EEBEE HMONG SMALL CONSONANT NKHAUS
1E168	ᆈ	EEBEE HMONG SMALL CONSONANT QHAUS
1E169	ᆉ	EEBEE HMONG SMALL CONSONANT RHAIS
1E16A	ᆊ	EEBEE HMONG SMALL CONSONANT HLUA
1E16B	ᆋ	EEBEE HMONG SMALL CONSONANT NCAS
1E16C	ᆌ	EEBEE HMONG SMALL CONSONANT DHIA
1E16D	ᆍ	EEBEE HMONG SMALL CONSONANT CHOJ
1E16E	ᆎ	EEBEE HMONG SMALL CONSONANT NTXHUAM
1E16F	ᆏ	EEBEE HMONG SMALL CONSONANT PLHAUB
1E170	ᆐ	EEBEE HMONG SMALL CONSONANT NKOJ
1E171	ᆑ	EEBEE HMONG SMALL CONSONANT TSHEEB

1E172	ɔ	EEBEE HMONG SMALL CONSONANT NCHO
1E173	ɱ	EEBEE HMONG SMALL CONSONANT MLUAV
1E174	ʔ	EEBEE HMONG SMALL CONSONANT KAB
1E175	ʔ	EEBEE HMONG SMALL CONSONANT NTSaum
1E176	ʔ	EEBEE HMONG SMALL CONSONANT HmuV
1E177	ʔ	EEBEE HMONG SMALL CONSONANT XauV
1E178	ʔ	EEBEE HMONG SMALL CONSONANT HnuB
1E179	ʔ	EEBEE HMONG SMALL CONSONANT NruAS
1E17A	ʔ	EEBEE HMONG SMALL CONSONANT NPLHOS
1E17B	ʔ	EEBEE HMONG SMALL CONSONANT NRHOOb
1E17C	ʔ	EEBEE HMONG SMALL CONSONANT XYOOB
1E17D	ʔ	EEBEE HMONG SMALL CONSONANT NTXHW
1E17E	ʔ	EEBEE HMONG SMALL CONSONANT KHO
1E17F	ʔ	EEBEE HMONG SMALL CONSONANT NTHUAV
1E180	ɛ	EEBEE HMONG SMALL CONSONANT PHOM
1E181	ʔ	EEBEE HMONG SMALL CONSONANT QHOV
1E182	ʔ	EEBEE HMONG SMALL CONSONANT TXHAUM
1E183	ʔ	EEBEE HMONG SMALL CONSONANT NTSHUA
1E184	ʔ	EEBEE HMONG SMALL CONSONANT NQHIS
1E185	ʔ	EEBEE HMONG SMALL CONSONANT NPHOO
1E186	ʔ	EEBEE HMONG SMALL CONSONANT SUAB
1E187	ʔ	EEBEE HMONG SMALL CONSONANT NPLooJ
1E188	ʔ	EEBEE HMONG SMALL CONSONANT HNYAV
1E189	ʔ	EEBEE HMONG SMALL CONSONANT NGOS
1E18A	ʔ	EEBEE HMONG SMALL CONSONANT OSS
1E18B	ʔ	EEBEE HMONG SMALL CONSONANT HmLOS
1E18C	ʔ	EEBEE HMONG SMALL CONSONANT CUAB QAIB
1E18D	ʔ	EEBEE HMONG SMALL CONSONANT DIB NEEDS
1E18E	ʔ	EEBEE HMONG SMALL CONSONANT NTHE QAIB
1E18F	ʔ	EEBEE HMONG SMALL CONSONANT QAWs NCAUJ
1E190	ʔ	EEBEE HMONG SMALL CONSONANT DOV NPLAIG
1E191	ʔ	EEBEE HMONG SMALL CONSONANT DLEJ

Lower-case vowel rimes

1E192	ʌ	EEBEE HMONG SMALL VOWEL NTXUAM LUS
1E193	u	EEBEE HMONG SMALL VOWEL TUAV LUS
1E194	u	EEBEE HMONG SMALL VOWEL TOO LUS
1E195	ʊ	EEBEE HMONG SMALL VOWEL TES LUS
1E196	ʏ	EEBEE HMONG SMALL VOWEL TAUV LUS

Lower-case tone marks

1E197	l	EEBEE HMONG SMALL TONE KEEB = RPA -b high-level tone
1E198	T	EEBEE HMONG SMALL TONE KO = RPA unmarked mid-level tone
1E199	+	EEBEE HMONG SMALL TONE MOD = RPA -d low-rising tone
1E19A	γ	EEBEE HMONG SMALL TONE DEJ = RPA -j high-falling tone
1E19B	†	EEBEE HMONG SMALL TONE AV = RPA -v mid-rising tone
1E19C	L	EEBEE HMONG SMALL TONE TAWs = RPA -s low-level tone
1E19D	ʌ	EEBEE HMONG SMALL TONE TSHOOM = RPA -m low-glottalized tone
1E19E	l	EEBEE HMONG SMALL TONE TOG = RPA -g falling-breathy tone

Punctuation

1E19F	ʔ	EEBEE HMONG SIGN LUS NUG = question mark
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Digits

1E1A0	ʔ	EEBEE HMONG DIGIT ZERO
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1E1A1	ʔ	EEBEE HMONG DIGIT ONE
1E1A2	ʔ	EEBEE HMONG DIGIT TWO
1E1A3	ʔ	EEBEE HMONG DIGIT THREE
1E1A4	ʔ	EEBEE HMONG DIGIT FOUR
1E1A5	ʔ	EEBEE HMONG DIGIT FIVE
1E1A6	ʔ	EEBEE HMONG DIGIT SIX
1E1A7	ʔ	EEBEE HMONG DIGIT SEVEN
1E1A8	ʔ	EEBEE HMONG DIGIT EIGHT
1E1A9	ʔ	EEBEE HMONG DIGIT NINE

Punctuation

1E1AA	ʔ	EEBEE HMONG SIGN NTXIV LUS = reduplication → 16B42 ʔ pahawh hmong sign vos nrua
1E1AB	ʔ	EEBEE HMONG SIGN LAUG SUAB = chanting intonation → 16B41 ʔ pahawh hmong sign vos seev

Mathematical operators

1E1AC	+	EEBEE HMONG SIGN NTXIV = plus sign
1E1AD	-	EEBEE HMONG SIGN RHO TAWM = minus sign
1E1AE	×	EEBEE HMONG SIGN TSHOOJ = multiplication sign
1E1AF	÷	EEBEE HMONG SIGN FAIB = division sign

A. Administrative

1. Title

Preliminary proposal for encoding the Eebee Hmong script in the UCS

2. Requester's name

UC Berkeley Script Encoding Initiative (Universal Scripts Project)

3. Requester type (Member body/Liaison/Individual contribution)

Liaison contribution.

4. Submission date

2015-07-27

5. Requester's reference (if applicable)

6. Choose one of the following:

6a. This is a complete proposal

No.

6b. More information will be provided later

Yes.

B. Technical – General

1. Choose one of the following:

1a. This proposal is for a new script (set of characters)

Yes.

1b. Proposed name of script

Eebee Hmong.

1c. The proposal is for addition of character(s) to an existing block

No.

1d. Name of the existing block

2. Number of characters in proposal

175.

3. Proposed category (A-Contemporary; B.1-Specialized (small collection); B.2-Specialized (large collection); C-Major extinct; D-Attested extinct; E-Minor extinct; F-Archaic Hieroglyphic or Ideographic; G-Obscure or questionable usage symbols)

Category A.

4a. Is a repertoire including character names provided?

Yes.

4b. If YES, are the names in accordance with the “character naming guidelines” in Annex L of P&P document?

Yes.

4c. Are the character shapes attached in a legible form suitable for review?

Yes.

5a. Who will provide the appropriate computerized font (ordered preference: True Type, or PostScript format) for publishing the standard?

Michael Everson

5b. If available now, identify source(s) for the font (include address, e-mail, ftp-site, etc.) and indicate the tools used:

Michael Everson, Fontographer.

6a. Are references (to other character sets, dictionaries, descriptive texts etc.) provided?

Yes.

6b. Are published examples of use (such as samples from newspapers, magazines, or other sources) of proposed characters attached?

No.

7. Does the proposal address other aspects of character data processing (if applicable) such as input, presentation, sorting, searching, indexing, transliteration etc. (if yes please enclose information)?

Yes.

8. Submitters are invited to provide any additional information about Properties of the proposed Character(s) or Script that will assist in correct understanding of and correct linguistic processing of the proposed character(s) or script.

See above.

C. Technical – Justification

1. Has this proposal for addition of character(s) been submitted before? If YES, explain.

No.

2a. Has contact been made to members of the user community (for example: National Body, user groups of the script or characters, other experts, etc.)?

Yes.

2b. If YES, with whom?

To be provided

2c. If YES, available relevant documents

3. Information on the user community for the proposed characters (for example: size, demographics, information technology use, or publishing use) is included?

Contemporary cultural use by Hmong and historians of Hmong culture.

4a. The context of use for the proposed characters (type of use; common or rare)

Somewhat rare.

4b. Reference

5a. Are the proposed characters in current use by the user community?

Yes.

5b. If YES, where?

In Thailand.

6a. After giving due considerations to the principles in the P&P document must the proposed characters be entirely in the BMP?

No.

6b. If YES, is a rationale provided?

6c. If YES, reference

7. Should the proposed characters be kept together in a contiguous range (rather than being scattered)?

Yes.

8a. Can any of the proposed characters be considered a presentation form of an existing character or character sequence?

No.

8b. If YES, is a rationale for its inclusion provided?

8c. If YES, reference

9a. Can any of the proposed characters be encoded using a composed character sequence of either existing characters or other proposed characters?

No.

9b. If YES, is a rationale for its inclusion provided?

9c. If YES, reference

10a. Can any of the proposed character(s) be considered to be similar (in appearance or function) to an existing character?

No.

10b. If YES, is a rationale for its inclusion provided?

10c. If YES, reference

11a. Does the proposal include use of combining characters and/or use of composite sequences (see clauses 4.12 and 4.14 in ISO/IEC 10646-1: 2000)?

No.

11b. If YES, is a rationale for such use provided?

11c. If YES, reference

11d. Is a list of composite sequences and their corresponding glyph images (graphic symbols) provided?

No.

11e. If YES, reference

12a. Does the proposal contain characters with any special properties such as control function or similar semantics?

No.

12b. If YES, describe in detail (include attachment if necessary)

13a. Does the proposal contain any Ideographic compatibility character(s)?

No.

13b. If YES, is the equivalent corresponding unified ideographic character(s) identified?