

TO: The Unicode Technical Committee and JTC1/SC2 WG2

FROM: Deborah Anderson (SEI, UC Berkeley)

TITLE: Proposal for Nine Mende Digit Characters

DATE: 1 August 2012

This document requests a new “Mende Numbers” block with the range 1E8D0-1E8EF, to be populated with the characters listed below. A new block with this name is requested as a way to incrementally move the encoding of Mende numbers forward.

1E8D0 <reserved>  
1E8D1 | MENDE DIGIT ONE  
1E8D2 ‹ MENDE DIGIT TWO  
1E8D3 ϖ MENDE DIGIT THREE  
1E8D4 ⤵ MENDE DIGIT FOUR  
1E8D5 8 MENDE DIGIT FIVE  
1E8D6 ∂ MENDE DIGIT SIX  
1E8D7 ∂ MENDE DIGIT SEVEN  
1E8D8 ∂ MENDE DIGIT EIGHT  
1E8D9 ꝥ MENDE DIGIT NINE

The documentation in support of these characters is given in L2/12-023 (=WG2 N4167).

### **Character Properties**

1E8D1;MENDE DIGIT ONE;No;0;R;;;1;N;;;;  
1E8D2;MENDE DIGIT TWO;No;0;R;;;2;N;;;;  
1E8D3;MENDE DIGIT THREE;No;0;R;;;3;N;;;;  
1E8D4;MENDE DIGIT FOUR;No;0;R;;;4;N;;;;  
1E8D5;MENDE DIGIT FIVE;No;0;R;;;5;N;;;;  
1E8D6;MENDE DIGIT SIX;No;0;R;;;6;N;;;;  
1E8D7;MENDE DIGIT SEVEN;No;0;R;;;7;N;;;;  
1E8D8;MENDE DIGIT EIGHT;No;0;R;;;8;N;;;;  
1E8D9;MENDE DIGIT NINE;No;0;R;;;9;N;;;;

**ISO/IEC JTC 1/SC 2/WG 2  
PROPOSAL SUMMARY FORM TO ACCOMPANY SUBMISSIONS  
FOR ADDITIONS TO THE REPERTOIRE OF ISO/IEC 10646<sup>1</sup>**

**Please fill all the sections A, B and C below.**

Please read Principles and Procedures Document (P & P) from <http://www.dkuug.dk/JTC1/SC2/WG2/docs/principles.html> for guidelines and details before filling this form.

Please ensure you are using the latest Form from <http://www.dkuug.dk/JTC1/SC2/WG2/docs/summaryform.html>.

See also <http://www.dkuug.dk/JTC1/SC2/WG2/docs/roadmaps.html> for latest Roadmaps.

**A. Administrative**

1. Title:	<b>Proposal for Nine Mende Digit Characters</b>
2. Requester's name:	<i>Deborah Anderson, Universal Script Project (/SEI), UC Berkeley</i>
3. Requester type (Member body/Liaison/Individual contribution):	<i>Liaison</i>
4. Submission date:	<i>1 August 2012</i>
5. Requester's reference (if applicable):	
6. Choose one of the following:	
This is a complete proposal:	<i>yes</i>
(or) More information will be provided later:	

**B. Technical – General**

1. Choose one of the following:		
a. This proposal is for a new script (set of characters):	<i>New block</i>	
Proposed name of script:	<i>Mende Numbers</i>	
b. The proposal is for addition of character(s) to an existing block:		
Name of the existing block:		
2. Number of characters in proposal:	<i>9</i>	
3. Proposed category (select one from below - see section 2.2 of P&P document):		
A-Contemporary <input checked="" type="checkbox"/>	B.1-Specialized (small collection) <input type="checkbox"/>	B.2-Specialized (large collection) <input type="checkbox"/>
C-Major extinct <input type="checkbox"/>	D-Attested extinct <input type="checkbox"/>	E-Minor extinct <input type="checkbox"/>
F-Archaic Hieroglyphic or Ideographic <input type="checkbox"/>	G-Obscure or questionable usage symbols <input type="checkbox"/>	
4. Is a repertoire including character names provided?	<i>yes</i>	
a. If YES, are the names in accordance with the "character naming guidelines" in Annex L of P&P document?		
b. Are the character shapes attached in a legible form suitable for review?	<i>See N4167</i>	
5. Fonts related:		
a. Who will provide the appropriate computerized font to the Project Editor of 10646 for publishing the standard?	<i>(font already provided as part of N4167)</i>	
b. Identify the party granting a license for use of the font by the editors (include address, e-mail, ftp-site, etc.):		
6. References:		
a. Are references (to other character sets, dictionaries, descriptive texts etc.) provided?	<i>See N4167</i>	
b. Are published examples of use (such as samples from newspapers, magazines, or other sources) of proposed characters attached?	<i>See N4167</i>	
7. Special encoding issues:		
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)?	<i>See N4167</i>	

**8. Additional Information:**

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. Examples of such properties are: Casing information, Numeric information, Currency information, Display behaviour information such as line breaks, widths etc., Combining behaviour, Spacing behaviour, Directional behaviour, Default Collation behaviour, relevance in Mark Up contexts, Compatibility equivalence and other Unicode normalization related information. See the Unicode standard at <http://www.unicode.org> for such information on other scripts. Also see Unicode Character Database ( <http://www.unicode.org/reports/tr44/> ) and associated Unicode Technical Reports for information needed for consideration by the Unicode Technical Committee for inclusion in the Unicode Standard.

<sup>1</sup> Form number: N4102-F (Original 1994-10-14; Revised 1995-01, 1995-04, 1996-04, 1996-08, 1999-03, 2001-05, 2001-09, 2003-11, 2005-01, 2005-09, 2005-10, 2007-03, 2008-05, 2009-11, 2011-03, 2012-01)

**C. Technical - Justification**

1. Has this proposal for addition of character(s) been submitted before? If YES explain	yes
2. Has contact been made to members of the user community (for example: National Body, user groups of the script or characters, other experts, etc.)? If YES, with whom? If YES, available relevant documents:	yes Konrad Tuchscherer
3. Information on the user community for the proposed characters (for example: size, demographics, information technology use, or publishing use) is included? Reference:	See N4167
4. The context of use for the proposed characters (type of use; common or rare) Reference:	Rare See N4167
5. Are the proposed characters in current use by the user community? If YES, where? Reference:	Probably not
6. After giving due considerations to the principles in the P&P document must the proposed characters be entirely in the BMP? If YES, is a rationale provided? If YES, reference:	no
7. Should the proposed characters be kept together in a contiguous range (rather than being scattered)?	yes
8. Can any of the proposed characters be considered a presentation form of an existing character or character sequence? If YES, is a rationale for its inclusion provided? If YES, reference:	no
9. Can any of the proposed characters be encoded using a composed character sequence of either existing characters or other proposed characters? If YES, is a rationale for its inclusion provided? If YES, reference:	no
10. Can any of the proposed character(s) be considered to be similar (in appearance or function) to, or could be confused with, an existing character? If YES, is a rationale for its inclusion provided? If YES, reference:	yes See N4167
11. Does the proposal include use of combining characters and/or use of composite sequences? If YES, is a rationale for such use provided? If YES, reference: Is a list of composite sequences and their corresponding glyph images (graphic symbols) provided? If YES, reference:	no
12. Does the proposal contain characters with any special properties such as control function or similar semantics? If YES, describe in detail (include attachment if necessary)	no
13. Does the proposal contain any Ideographic compatibility characters? If YES, are the equivalent corresponding unified ideographic characters identified? If YES, reference:	no