Proposal to encode CHAKMA LETTER VAA for Pali

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This proposal is to request the encoding of Chakma letter VAA, used in Pali texts. Normally this would be represented as VA in other scripts, but to be consistent with the encoded Chakma block VAA is more appropriate. This letter was created in 2013 by Buddhist monks to print the Pali Tipiṭaka. All other Pali sounds are represented in Chakma, but as no VAA existed the monks created a new letter. Visually VAA looks like Chakma letter BAA with a horizontal line. There are no subjoined or conjoined forms for VAA.

Chākmā alphabet for Pāli

Vowels							
ဘ	ဘၱ	ဘိ	ဘီ	ဘု			
a[ə]	ā[a]	i[i]	ī [i:]	u[u]			
ဘူ	ဘေ	ဘွ					
ū [u:]	ā[e]	0[0]					

Consonants

က	a	C	ಬ	©
k[k]	kh [k ^h]	g[g]	gh [gh]	ἠ[ŋ]
ಶ	ဆ	9	೫	ည
c[tʃ]	ch [tʃʰ]	j [dʒ]	jh [dʒʰ]	ñ[ɲ]
Œ	æ	2	29	ග
ţ[t]	ţh [tʰ]	ġ[d]	ḍh [ɖʰ]	ņ[η]
တ	ω	၁	a	æ
t[t]	th [t ^h]	d[d]	dh [d ^h]	n[n]
ပ	G	8	35	ශ
p[p]	ph [p ^h]	b[b]	bh [b ^h]	m [m]
ω	ଫ	လ	(8)	သ
у[ј]	r[r]	1[1]	v[v]	s[s]
တ	09	•		
h[h]	![[]	m [η]		

Edited By B Jyoti Bhante

Figure 1. Chakma chart showing VAA

ပင်းကိုကိုတ်တသ်သ ဘက်အတ်, တ် **မို့အိုတ်တ်**၊ တတ္ပယ် (မွှာအတ်ထွံ၊ වශකිတိ တသ်ဖွဲ့ သီလေသု ပတ်ပူအက်အိတ်ယ ပမ္ပတ်တဆိတ်တိ ဎိတိတ်တဲ၊ (မို့အိတ် တိယထဲတိ အက်ဂဏ်တိ တေထိတိ မို့အိုတ်တဲ့၊ တတ်ထ သင်္ဂြမ်းမှိုအိုယ်သို့ခဏ် ဎိတိတ်တဲ့, သင်္ဂြသိခဏ် မို့အိုတ်တဲ့၊ တေမွှဲ ဎိတိတ်တမို့အတွဲ ၁၉၆) ၊

ဍတိယဍကေ **ဘဘိသြံစီးတွ်**တိ ဘုတ်တလသြံစီးတွဲ၊ ဘဘိသြံစီးတွဲ တေ့မေ) **න්ත්නශ්න් ග්රා** නත්න මේ න්තේ ප් වන්න ග්රා න්ත්න මේ න්ත්ව ප්රාදේශ් න්ත්ව න්ත ဘံ့အီမင်္တာမေကတွဲ ဘမသေသသီလသံသေတ် ဘင်္ဂမေဘစ်း၊ မင်္ဂဂဗ္ပဟ်မေသတိယသံသ **ാ**്റാറ്റ് പ്രത്യാധിക്കുന്ന് ဘၱဘိၾၾကဏတိ పురిడుఆడారు, ಗಿದ್ದನ್ನುಲುಗಾದಿ නයිපවණ । ଠର୍ଜ୍ୟୁନ୍ଦେଉଚ୍ଚର୍ପ । ପେଞ୍ଜ୍ୟ - ''ପ୍ରତ୍ୟେ ଏ ପଞ୍ଚର୍ଦ୍ଦର ନ୍ୟୁ ନ୍ୟୁ । ପେଞ୍ଚର୍ ဘံအီဗွ သုပတိသုၥ်ငွ ဟွတိ''တိ (မ) ၏၊ ၆)ဈေ)၊ ပဲ၏ မဲ သိက်ဂံပၥံ၏ **രു**ാാൽരാവന്ത് ⇔ത്ത്ൽ, ဘိၥ ဘံဘိသဖွဲ့ ဎီတိုကသီလ ၊ ဘံ၁ိဗုഗ്രമാര്ധന്। ဘုအတွမ်အနုဂပဇ်ယံပဏ်ထဲ မံ ဘံ၁ိဗုഗ്രമാര്ധന്। രത്മനുട്ടത്താശ്ലാത്ക് ဘံဘိသဇ္ဖာဎီတိုက် ၊ တသံသ ဘံ၁ိဗှഗ്യാൻധന് വര്ഠഭ്ഭാഗി നെങ്കേല്ഗ - ''သွ မတ, ാദ്നരലേ, ാദ്നര ဘံဘိုသြဲဆဲတိုက် ဂြုံစွဲ ဘပတိုငူတေတွဲ ဘံဘို့ဗှုဟုလည်တိုယက် ဂြုံစွဲ

တတိယဍုကေ ပံုစာတိပ်တံဒီဟိ မေတေလက်လတ်တဲ့ **မိတတိသီလံ**၊ သေသဲ သေတဆံဒီ **ဘမိတတိသီလ**ဆံတိ ဘေမဲ့ မိတတိဘမိတတိမသေဆ ဍမိင်ာ၊

ചാറ്റ് പ്രത്യായ് ക്രയ്യായ് വ്യായ് പ്രത്യായ് പ്രത്യായ്





(ರಹಡ್ಡ ಸೆಗ್ಡ

ෆප්ටුම්: ඛුෂ්ටාමිත් ප්ෆිඅ



Figure 3. Visuddhimaggo title page from kalpataruboi.org

Character Data

11147 CHAKMA LETTER VAA

In the format of UnicodeData.txt:

11147;CHAKMA LETTER VAA;Lo;0;L;;;;;N;;;;;

Collation

 $\infty (U+11123) < \Theta (U+11147) < O (U+11124)$

References

ann0101-visuddhimaggo-01-c.pdf retrieved from https://kalpataruboi.org/ November 26, 2016

ISO/IEC JTC 1/SC 2/WG 2 PROPOSAL SUMMARY FORM TO ACCOMPANY SUBMISSIONS FOR ADDITIONS TO THE REPERTOIRE OF ISO/IEC 10646.1

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

Please read Principles and Procedures Document (P & P) from http://std.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://std.dkuug.dk/JTC1/SC2/WG2/docs/summaryform.html. See also http://std.dkuug.dk/JTC1/SC2/WG2/docs/summaryform.html. See also http://std.dkuug.dk/JTC1/SC2/WG2/docs/summaryform.html. See also http://std.dkuug.dk/JTC1/SC2/WG2/docs/summaryform.html. See also http://std.dkuug.dk/JTC1/SC2/WG2/docs/roadmaps.html. For latest Roadmaps.

A. Administrative

1. Title: Proposal to encode Chakma Letter VAA for Pali					
2. Requester's name: Zachary Scheuren					
3. Requester type (Member body/Liaison/Individual contribution): Individual	ual Contribution				
4. Submission date:					
5. Requester's reference (if applicable):					
6. Choose one of the following:					
This is a complete proposal:	Complete				
(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):					
Proposed name of script:					
b. The proposal is for addition of character(s) to an existing block:	11100-1114F				
Name of the existing block: Chakma					
2. Number of characters in proposal:	1				
3. Proposed category (select one from below - see section 2.2 of P&P document):					
A-Contemporary A 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 questions	able usage symbols				
4. Is a repertoire including character names provided?	Yes				
a. If YES, are the names in accordance with the "character naming guidelines"	,,,,,				
in Annex L of P&P document?	Yes				
b. Are the character shapes attached in a legible form suitable for review?	Yes				
5. Fonts related:					
a. Who will provide the appropriate computerized font to the Project Editor of 10646 for publishing the					
standard?					
Zachary Schouren					
b. Identify the party granting a license for use of the font by the editors (include add	dress, e-mail, ftp-site, etc.):				
zarijoscha@gmail.com	, , , , , , , , , , , , , , , , , , ,				
6. References:					
a. Are references (to other character sets, dictionaries, descriptive texts etc.) provi	ded? Yes				
b. Are published examples of use (such as samples from newspapers, magazines	. or other sources)				
of proposed characters attached? Yes	,				
7. Special encoding issues:					
Does the proposal address other aspects of character data processing (if applicab	le) such as input.				
presentation, sorting, searching, indexing, transliteration etc. (if yes please enclose					
3,	,				
8. Additional Information:					
Submitters are invited to provide any additional information about Properties of the properties	osed 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					
related information. See the Unicode standard at http://www.unicode.org for such information.					
see Unicode Character Database (http://www.unicode.org/reports/tr44/) and associated					

for information needed for consideration by the Unicode Technical Committee for inclusion in the Unicode Standard.

[.]¹ Form number: N4502-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

Has this proposal for addition of character(s) been submitted before?	No
If YES explain	
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.)?	Yes
If YES, with whom? Buddhist monk Sansayan Chakma	
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?	No
Reference:	
	Common
Reference:	
5. Are the proposed characters in current use by the user community?	Yes
If YES, where? Reference: Buddhist monks for Pali text	
6. After giving due considerations to the principles in the P&P document must the proposed character	ers be entirely
	No
If YES, is a rationale provided?	
If YES, reference:	
7. Should the proposed characters be kept together in a contiguous range (rather than being scatter	ed)? Yes
8. Can any of the proposed characters be considered a presentation form of an existing	/-
character or character sequence?	No
If YES, is a rationale for its inclusion provided?	
If YES, reference:	
Can any of the proposed characters be encoded using a composed character sequence of either	
existing characters or other proposed characters?	No
If YES, is a rationale for its inclusion provided?	
If YES, reference:	
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?	No
If YES, is a rationale for its inclusion provided?	
If VCC references	
If YES, reference:	NI-
11. Does the proposal include use of combining characters and/or use of composite sequences?	NO
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 in the sequences and their corresponding glyph images (graphic symbols) provided in the sequences and their corresponding glyph images (graphic symbols) provided in the sequences and their corresponding glyph images (graphic symbols) provided in the sequences and their corresponding glyph images (graphic symbols) provided in the sequences and their corresponding glyph images (graphic symbols) provided in the sequences and the sequences are sequenced in the sequences and the sequences are sequenced in the sequences and the sequences are sequenced in the sequences are sequenced as sequences are sequenced in the sequences are sequences are se	ided?
If YES, reference:	
12. Does the proposal contain characters with any special properties such as	A.1
control function or similar semantics?	No
If YES, describe in detail (include attachment if necessary)	
13. Does the proposal contain any Ideographic compatibility characters?	No
If YES, are the equivalent corresponding unified ideographic characters identified?	
If YES, reference:	