

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

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1. Background

This document is a proposal to encode the Marchen script (Tibetan *sMar-chen* མཎ་ཇེན་). This is a Brahmic script used in the Tibetan Bön tradition to write the extinct Zhang-zhung language used in some Bön texts. In modern use it is also used to write the Tibetan language. The Marchen script reputedly originated in the ancient kingdom of Zhang-zhung that flourished in the western and northern parts of Tibet before the introduction of Buddhism into the country during the 7th century, but no early texts in the Marchen script are known, and the script is likely to be a much more recent innovation.

There are few known examples of the Marchen script used in pre-modern texts, but the script is quite widely used in modern Bön literature (see Figs. 7–9) and in architectural inscriptions (see Figs. 5–6). One of the earliest known examples of the Marchen script is an inscription in the Zhang-zhung language on a bronze seal held at the Menri Monastery (see Fig. 4).

Four other scripts used in the Bön tradition are also attested (Marchung, Pungchen, Pungchung and Drusha), but they have very little usage, and are not proposed for encoding. As there are no characters in these four other scripts that are could be considered unifiable with characters in the proposed Marchen script, the encoding of Marchen would not impact upon the repertoire of these other scripts if they were to be encoded at a future date. For details of these other scripts, which are not further discussed in this document, see N4032.

2. Description





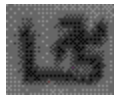










The Marchen script comprises thirty consonant letters, four vowel signs ("e", "i", "u" and "o"), a vowel lengthener sign (*a-chung*), a candrabinu sign, and an anusvara sign. Two or more consonants may stack vertically in the same way as the Tibetan script. Vowel signs are placed above, below or to the side of a stack of one or more consonants. As with the Tibetan script, the main consonant in a syllable has an inherent /a/ vowel in the absence of an explicit vowel sign.

Only two punctuation marks are used with the Marchen script: a head mark corresponding to U+0F04 TIBETAN MARK INITIAL YIG MGO MDUN MA (only a discrete single head mark is used, so a closing head mark equivalent to U+0F05 TIBETAN MARK CLOSING YIG MGO SGAB MA is not required to be encoded); and a sentence-final *shad* mark corresponding to U+0F0D TIBETAN MARK SHAD. Unlike the Tibetan script, a *tsheg* mark is not used to separate syllables. This means that in running text syllable boundaries may be ambiguous. It is suggested that U+200B (Zero Width Space) be used to separate syllables if it is required to make the syllable boundaries explicit.

There are two calligraphic styles of the Marchen script, one style with thick, angular strokes (e.g. as shown in Fig. 5), and one style with thinner, more rounded strokes (e.g. as shown in Fig. 6). There are some minor differences in glyph shape between these two calligraphic styles, but these can be dealt with at the font level.

The table below shows the glyph forms of individual characters and example syllables as given in three different sources. Source A is in the thick, angular calligraphic style, whereas Sources B and C are in the more rounded calligraphic style. The proposed code chart font is based on Source A, and is shown for comparison.

Comparative Table of Marchen Characters

	Tibetan	Code Chart Font	Marchen		
			A	B	C
headmark					
shad					
ka					










	Tibetan	Code Chart Font	Marchen		
			A	B	C
kha	ཁ	ཁ	ཁ	ཁ	ཁ
ga	ག	ག	ག	ག	ག
nga	ང	ང	ང	ང	ང
ca	ཅ	ཅ	ཅ	ཅ	ཅ
cha	ཆ	ཆ	ཆ	ཆ	ཆ
ja	ཇ	ཇ	ཇ	ཇ	ཇ
nya	ཉ	ཉ	ཉ	ཉ	ཉ
ta	ཏ	ཏ	ཏ	ཏ	ཏ

	Tibetan	Code Chart Font	Marchen		
			A	B	C
tha	ཐ	ཐ	ཐ		
da	ད	ད	ད		
na	ན	ན	ན		
pa	པ	པ	པ		
pha	ཕ	ཕ	ཕ		
ba	བ	བ	བ		
ma	མ	མ	མ		
tsa	ཙ	ཙ	ཙ		

	Tibetan	Code Chart Font	Marchen		
			A	B	C
tsha	མ	𑄧	𑄧	𑄧	𑄧
dza	ཛ	𑄨	𑄨	𑄨	𑄨
wa	ཡ	𑄩	𑄩	𑄩	𑄩
zha	ཟ	𑄪	𑄪	𑄪	𑄪
za	ཞ	𑄫	𑄫	𑄫	𑄫
'a	འ	𑄬	𑄬	𑄬	𑄬
ya	ཡ	𑄭	𑄭	𑄭	𑄭
ra	ར	𑄮	𑄮	𑄮	𑄮

	Tibetan	Code Chart Font	Marchen		
			A	B	C
la	ལ	𑄎	𑄎	𑄎	𑄎
sha	ཤ	𑄎	𑄎	𑄎	𑄎
sa	ས	𑄎	𑄎	𑄎	𑄎
ha	ཧ	𑄎	𑄎	𑄎	𑄎
a	ཨ	𑄎	𑄎	𑄎	𑄎
ki	ཀ	𑄎	𑄎	𑄎	𑄎
ku	ཀུ	𑄎	𑄎	𑄎	𑄎
ke	ཀེ	𑄎	𑄎	𑄎	

	Tibetan	Code Chart Font	Marchen		
			A	B	C
ko	ཀོ	𑄀	𑄁	𑄂	
rka	རྐ	𑄃	𑄄		
lka	ལྐ	𑄅	𑄆		
ska	སྐ	𑄇	𑄈		
kya	ཀྱ	𑄉		𑄊	
kra	རྐ	𑄋		𑄌	
kla	ལྐ	𑄍	𑄎		
kwa	ལྐ	𑄏	𑄐		
skya	སྐྱ	𑄑	𑄒		

	Tibetan	Code Chart Font	Marchen		
			A	B	C
skra					
om					
aum					

Sources

- A : Chaphur Namkha Gyaltsen 1994 pages 7–9 (see Fig. 1).
- B : Lokesh Chandra 1982 page 60 (see Fig. 2).
- C : Zhuton Nyima Dragpa 1965 (see Fig. 3).

3. Encoding Model





















It is proposed to use the Tibetan encoding model for the Marchen script, with a set of thirty base consonants and a set of thirty subjoined consonants that can be used to form vertical stacks of two or more consonants. The reversed consonants used for representing Sanskrit in Tibetan (Tibetan letters TTA, TTHA, DDA, NNA and SSA) are not attested in the Marchen script, and are therefore not proposed for encoding. Although not all thirty subjoined consonants are attested, or required for writing Zhang-zhung or ordinary Tibetan, it is thought prudent to encode corresponding subjoined letters for all encoded base consonants so that any possible stack can be represented. As is the case with the Tibetan script, the subjoined forms of the letters Wa, Ya and Ra have simplified forms compared with the corresponding base letters, although there is no special form of the letter Ra when used as a head letter. Fixed forms of the letters Wa, Ya and Ra are not required for encoding.

4. Proposed Characters

69 characters are proposed for encoding, as shown below.

Code Point	Glyph	Character Name	Annotation
11C70	𑄀	MARCHEN HEAD MARK	x (left-facing svasti sign - 0FD6)
11C71	𑄁	MARCHEN MARK SHAD	
11C72	𑄂	MARCHEN LETTER KA	
11C73	𑄃	MARCHEN LETTER KHA	
11C74	𑄄	MARCHEN LETTER GA	
11C75	𑄅	MARCHEN LETTER NGA	
11C76	𑄆	MARCHEN LETTER CA	
11C77	𑄇	MARCHEN LETTER CHA	
11C78	𑄈	MARCHEN LETTER JA	
11C79	𑄉	MARCHEN LETTER NYA	
11C7A	𑄊	MARCHEN LETTER TA	
11C7B	𑄋	MARCHEN LETTER THA	
11C7C	𑄌	MARCHEN LETTER DA	
11C7D	𑄍	MARCHEN LETTER NA	
11C7E	𑄎	MARCHEN LETTER PA	
11C7F	𑄏	MARCHEN LETTER PHA	
11C80	𑄐	MARCHEN LETTER BA	
11C81	𑄑	MARCHEN LETTER MA	
11C82	𑄒	MARCHEN LETTER TSA	

Code Point	Glyph	Character Name	Annotation
11C83	𑌒	MARCHEN LETTER TSHA	
11C84	𑌓	MARCHEN LETTER DZA	
11C85	𑌔	MARCHEN LETTER WA	
11C86	𑌕	MARCHEN LETTER ZHA	
11C87	𑌖	MARCHEN LETTER ZA	
11C88	𑌗	MARCHEN LETTER -A	
11C89	𑌘	MARCHEN LETTER YA	
11C8A	𑌙	MARCHEN LETTER RA	
11C8B	𑌚	MARCHEN LETTER LA	
11C8C	𑌛	MARCHEN LETTER SHA	
11C8D	𑌜	MARCHEN LETTER SA	
11C8E	𑌝	MARCHEN LETTER HA	
11C8F	𑌞	MARCHEN LETTER A	
11C92	𑌠	MARCHEN SUBJOINED LETTER KA	
11C93	𑌡	MARCHEN SUBJOINED LETTER KHA	
11C94	𑌢	MARCHEN SUBJOINED LETTER GA	
11C95	𑌣	MARCHEN SUBJOINED LETTER NGA	
11C96	𑌤	MARCHEN SUBJOINED LETTER CA	
11C97	𑌥	MARCHEN SUBJOINED LETTER CHA	
11C98	𑌦	MARCHEN SUBJOINED LETTER JA	

Code Point	Glyph	Character Name	Annotation
11C99		MARCHEN SUBJOINED LETTER NYA	
11C9A		MARCHEN SUBJOINED LETTER TA	
11C9B		MARCHEN SUBJOINED LETTER THA	
11C9C		MARCHEN SUBJOINED LETTER DA	
11C9D		MARCHEN SUBJOINED LETTER NA	
11C9E		MARCHEN SUBJOINED LETTER PA	
11C9F		MARCHEN SUBJOINED LETTER PHA	
11CA0		MARCHEN SUBJOINED LETTER BA	
11CA1		MARCHEN SUBJOINED LETTER MA	
11CA2		MARCHEN SUBJOINED LETTER TSA	
11CA3		MARCHEN SUBJOINED LETTER TSHA	
11CA4		MARCHEN SUBJOINED LETTER DZA	
11CA5		MARCHEN SUBJOINED LETTER WA	
11CA6		MARCHEN SUBJOINED LETTER ZHA	
11CA7		MARCHEN SUBJOINED LETTER ZA	
11CA8		MARCHEN SUBJOINED LETTER -A	
11CA9		MARCHEN SUBJOINED LETTER YA	
11CAA		MARCHEN SUBJOINED LETTER RA	
11CAB		MARCHEN SUBJOINED LETTER LA	
11CAC		MARCHEN SUBJOINED LETTER SHA	

Code Point	Glyph	Character Name	Annotation
11CAD	𑌆	MARCHEN SUBJOINED LETTER SA	
11CAE	𑌇	MARCHEN SUBJOINED LETTER HA	
11CAF	𑌈	MARCHEN SUBJOINED LETTER A	
11CB0	𑌉	MARCHEN VOWEL SIGN AA	
11CB1	𑌊	MARCHEN VOWEL SIGN I	
11CB2	𑌋	MARCHEN VOWEL SIGN U	
11CB3	𑌌	MARCHEN VOWEL SIGN E	
11CB4	𑌍	MARCHEN VOWEL SIGN O	
11CB5	𑌎	MARCHEN SIGN ANUSVARA	
11CB6	𑌏	MARCHEN SIGN CANDRABINDU	

5. Unicode Character Properties

11C70;MARCHEN HEAD MARK;Po;0;L;;;;;N;;;;;
 11C71;MARCHEN MARK SHAD;Po;0;L;;;;;N;;;;;
 11C72;MARCHEN LETTER KA;Lo;0;L;;;;;N;;;;;
 11C73;MARCHEN LETTER KHA;Lo;0;L;;;;;N;;;;;
 11C74;MARCHEN LETTER GA;Lo;0;L;;;;;N;;;;;
 11C75;MARCHEN LETTER NGA;Lo;0;L;;;;;N;;;;;
 11C76;MARCHEN LETTER CA;Lo;0;L;;;;;N;;;;;
 11C77;MARCHEN LETTER CHA;Lo;0;L;;;;;N;;;;;
 11C78;MARCHEN LETTER JA;Lo;0;L;;;;;N;;;;;
 11C79;MARCHEN LETTER NYA;Lo;0;L;;;;;N;;;;;
 11C7A;MARCHEN LETTER TA;Lo;0;L;;;;;N;;;;;
 11C7B;MARCHEN LETTER THA;Lo;0;L;;;;;N;;;;;
 11C7C;MARCHEN LETTER DA;Lo;0;L;;;;;N;;;;;
 11C7D;MARCHEN LETTER NA;Lo;0;L;;;;;N;;;;;
 11C7E;MARCHEN LETTER PA;Lo;0;L;;;;;N;;;;;
 11C7F;MARCHEN LETTER PHA;Lo;0;L;;;;;N;;;;;
 11C80;MARCHEN LETTER BA;Lo;0;L;;;;;N;;;;;
 11C81;MARCHEN LETTER MA;Lo;0;L;;;;;N;;;;;
 11C82;MARCHEN LETTER TSA;Lo;0;L;;;;;N;;;;;
 11C83;MARCHEN LETTER TSHA;Lo;0;L;;;;;N;;;;;
 11C84;MARCHEN LETTER DZA;Lo;0;L;;;;;N;;;;;
 11C85;MARCHEN LETTER WA;Lo;0;L;;;;;N;;;;;
 11C86;MARCHEN LETTER ZHA;Lo;0;L;;;;;N;;;;;
 11C87;MARCHEN LETTER ZA;Lo;0;L;;;;;N;;;;;
 11C88;MARCHEN LETTER -A;Lo;0;L;;;;;N;;;;;
 11C89;MARCHEN LETTER YA;Lo;0;L;;;;;N;;;;;

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11C8A;MARCHEN LETTER RA;Lo;0;L;;;;;N;;;;;
11C8B;MARCHEN LETTER LA;Lo;0;L;;;;;N;;;;;
11C8C;MARCHEN LETTER SHA;Lo;0;L;;;;;N;;;;;
11C8D;MARCHEN LETTER SA;Lo;0;L;;;;;N;;;;;
11C8E;MARCHEN LETTER HA;Lo;0;L;;;;;N;;;;;
11C8F;MARCHEN LETTER A;Lo;0;L;;;;;N;;;;;
11C92;MARCHEN SUBJOINED LETTER KA;Mn;0;NSM;;;;;N;;;;;
11C93;MARCHEN SUBJOINED LETTER KHA;Mn;0;NSM;;;;;N;;;;;
11C94;MARCHEN SUBJOINED LETTER GA;Mn;0;NSM;;;;;N;;;;;
11C95;MARCHEN SUBJOINED LETTER NGA;Mn;0;NSM;;;;;N;;;;;
11C96;MARCHEN SUBJOINED LETTER CA;Mn;0;NSM;;;;;N;;;;;
11C97;MARCHEN SUBJOINED LETTER CHA;Mn;0;NSM;;;;;N;;;;;
11C98;MARCHEN SUBJOINED LETTER JA;Mn;0;NSM;;;;;N;;;;;
11C99;MARCHEN SUBJOINED LETTER NYA;Mn;0;NSM;;;;;N;;;;;
11C9A;MARCHEN SUBJOINED LETTER TA;Mn;0;NSM;;;;;N;;;;;
11C9B;MARCHEN SUBJOINED LETTER THA;Mn;0;NSM;;;;;N;;;;;
11C9C;MARCHEN SUBJOINED LETTER DA;Mn;0;NSM;;;;;N;;;;;
11C9D;MARCHEN SUBJOINED LETTER NA;Mn;0;NSM;;;;;N;;;;;
11C9E;MARCHEN SUBJOINED LETTER PA;Mn;0;NSM;;;;;N;;;;;
11C9F;MARCHEN SUBJOINED LETTER PHA;Mn;0;NSM;;;;;N;;;;;
11CA0;MARCHEN SUBJOINED LETTER BA;Mn;0;NSM;;;;;N;;;;;
11CA1;MARCHEN SUBJOINED LETTER MA;Mn;0;NSM;;;;;N;;;;;
11CA2;MARCHEN SUBJOINED LETTER TSA;Mn;0;NSM;;;;;N;;;;;
11CA3;MARCHEN SUBJOINED LETTER TSHA;Mn;0;NSM;;;;;N;;;;;
11CA4;MARCHEN SUBJOINED LETTER DZA;Mn;0;NSM;;;;;N;;;;;
11CA5;MARCHEN SUBJOINED LETTER WA;Mn;0;NSM;;;;;N;;;;;
11CA6;MARCHEN SUBJOINED LETTER ZHA;Mn;0;NSM;;;;;N;;;;;
11CA7;MARCHEN SUBJOINED LETTER ZA;Mn;0;NSM;;;;;N;;;;;
11CA8;MARCHEN SUBJOINED LETTER -A;Mn;0;NSM;;;;;N;;;;;
11CA9;MARCHEN SUBJOINED LETTER YA;Mc;0;NSM;;;;;N;;;;;
11CAA;MARCHEN SUBJOINED LETTER RA;Mn;0;NSM;;;;;N;;;;;
11CAB;MARCHEN SUBJOINED LETTER LA;Mn;0;NSM;;;;;N;;;;;
11CAC;MARCHEN SUBJOINED LETTER SHA;Mn;0;NSM;;;;;N;;;;;
11CAD;MARCHEN SUBJOINED LETTER SA;Mn;0;NSM;;;;;N;;;;;
11CAE;MARCHEN SUBJOINED LETTER HA;Mn;0;NSM;;;;;N;;;;;
11CAF;MARCHEN SUBJOINED LETTER A;Mn;0;NSM;;;;;N;;;;;
11CB0;MARCHEN VOWEL SIGN AA;Mn;0;NSM;;;;;N;;;;;
11CB1;MARCHEN VOWEL SIGN I;Mc;0;NSM;;;;;N;;;;;
11CB2;MARCHEN VOWEL SIGN U;Mn;0;NSM;;;;;N;;;;;
11CB3;MARCHEN VOWEL SIGN E;Mn;0;NSM;;;;;N;;;;;
11CB4;MARCHEN VOWEL SIGN O;Mc;0;NSM;;;;;N;;;;;
11CB5;MARCHEN SIGN ANUSVARA;Mn;0;NSM;;;;;N;;;;;
11CB6;MARCHEN SIGN CANDRABINDU;Mn;0;NSM;;;;;N;;;;;

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The suggested general category and canonical combining class values are as for the corresponding characters in the Tibetan script, except that:

1. the general category for the subjoined letter YA is given as Mc because in the style of calligraphy used for the code chart font it is attached to the righthand side of a base consonant, not underneath it;
2. the general category for the vowel signs I and O are given as Mc because these signs extend to the left or right of a consonant stack;
3. the canonical combining class values for the signs 11CAE..11CB4 are given as zero.

Fig. 1c: Table of Marchen Letters (C)

ལྷོ	ལྷོ	ལྷོ	ལྷོ	ལྷོ	ལྷོ	ལྷོ	ལྷོ	ལྷོ	ལྷོ	ལྷོ	ལྷོ	ལྷོ	ལྷོ	ལྷོ	ལྷོ	ལྷོ	ལྷོ	ལྷོ
ལྷོ	ལྷོ	ལྷོ	ལྷོ	ལྷོ	ལྷོ	ལྷོ	ལྷོ	ལྷོ	ལྷོ	ལྷོ	ལྷོ	ལྷོ	ལྷོ	ལྷོ	ལྷོ	ལྷོ	ལྷོ	ལྷོ
ལྷོ	ལྷོ	ལྷོ	ལྷོ	ལྷོ	ལྷོ	ལྷོ	ལྷོ	ལྷོ	ལྷོ	ལྷོ	ལྷོ	ལྷོ	ལྷོ	ལྷོ	ལྷོ	ལྷོ	ལྷོ	ལྷོ
ལྷོ	ལྷོ	ལྷོ	ལྷོ	ལྷོ	ལྷོ	ལྷོ	ལྷོ	ལྷོ	ལྷོ	ལྷོ	ལྷོ	ལྷོ	ལྷོ	ལྷོ	ལྷོ	ལྷོ	ལྷོ	ལྷོ

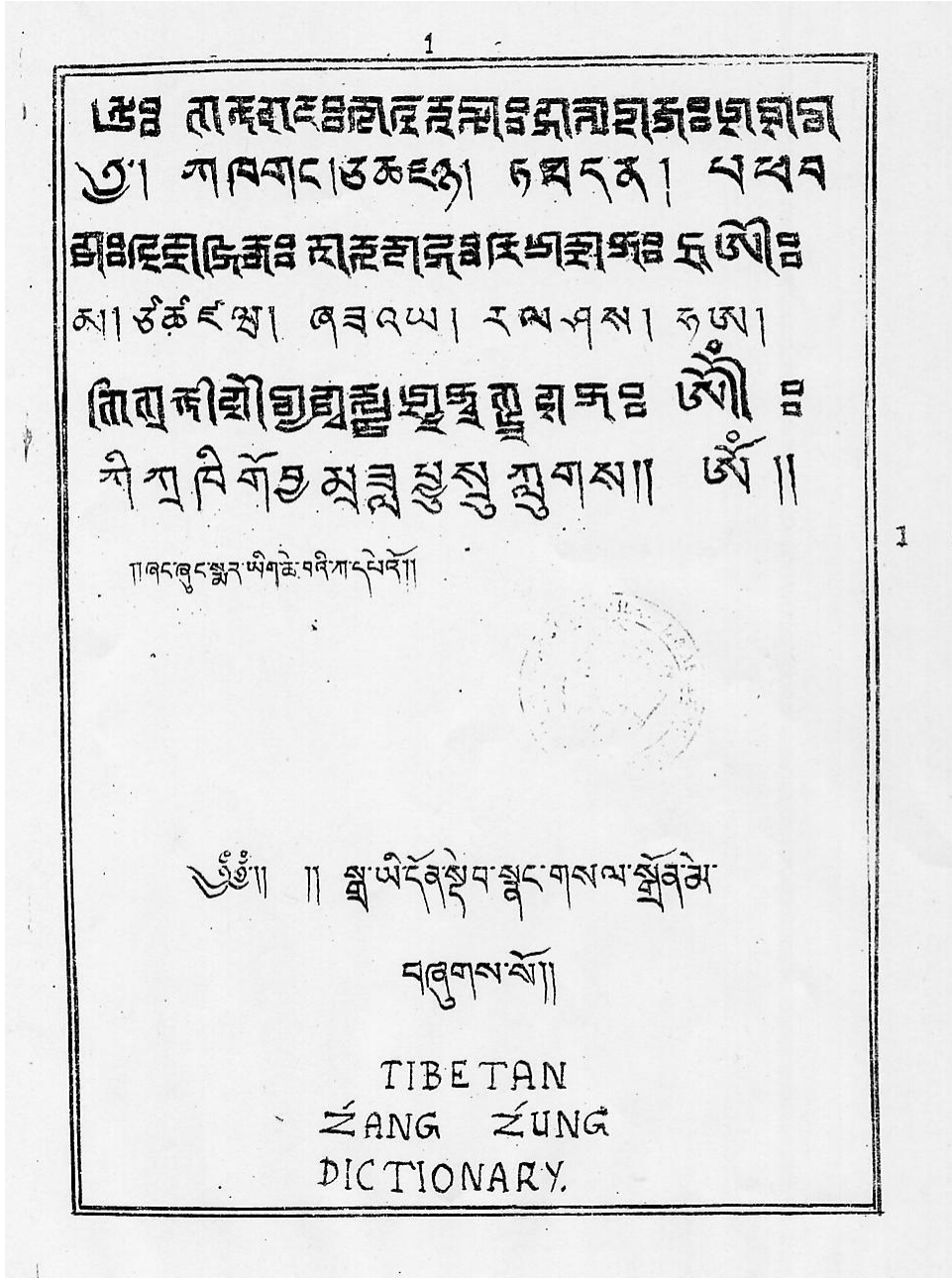
Source: Chaphur Namkha Gyaltsen 1994 page 9.

Fig. 2: Table of Marchen Letters

ལྷོ	ལྷོ	ལྷོ	ལྷོ	ལྷོ	ལྷོ	ལྷོ	ལྷོ	ལྷོ	ལྷོ	ལྷོ	ལྷོ	ལྷོ	ལྷོ	ལྷོ	ལྷོ	ལྷོ	ལྷོ	ལྷོ	ལྷོ
ལྷོ	ལྷོ	ལྷོ	ལྷོ	ལྷོ	ལྷོ	ལྷོ	ལྷོ	ལྷོ	ལྷོ	ལྷོ	ལྷོ	ལྷོ	ལྷོ	ལྷོ	ལྷོ	ལྷོ	ལྷོ	ལྷོ	ལྷོ
ལྷོ	ལྷོ	ལྷོ	ལྷོ	ལྷོ	ལྷོ	ལྷོ	ལྷོ	ལྷོ	ལྷོ	ལྷོ	ལྷོ	ལྷོ	ལྷོ	ལྷོ	ལྷོ	ལྷོ	ལྷོ	ལྷོ	ལྷོ
ལྷོ	ལྷོ	ལྷོ	ལྷོ	ལྷོ	ལྷོ	ལྷོ	ལྷོ	ལྷོ	ལྷོ	ལྷོ	ལྷོ	ལྷོ	ལྷོ	ལྷོ	ལྷོ	ལྷོ	ལྷོ	ལྷོ	ལྷོ

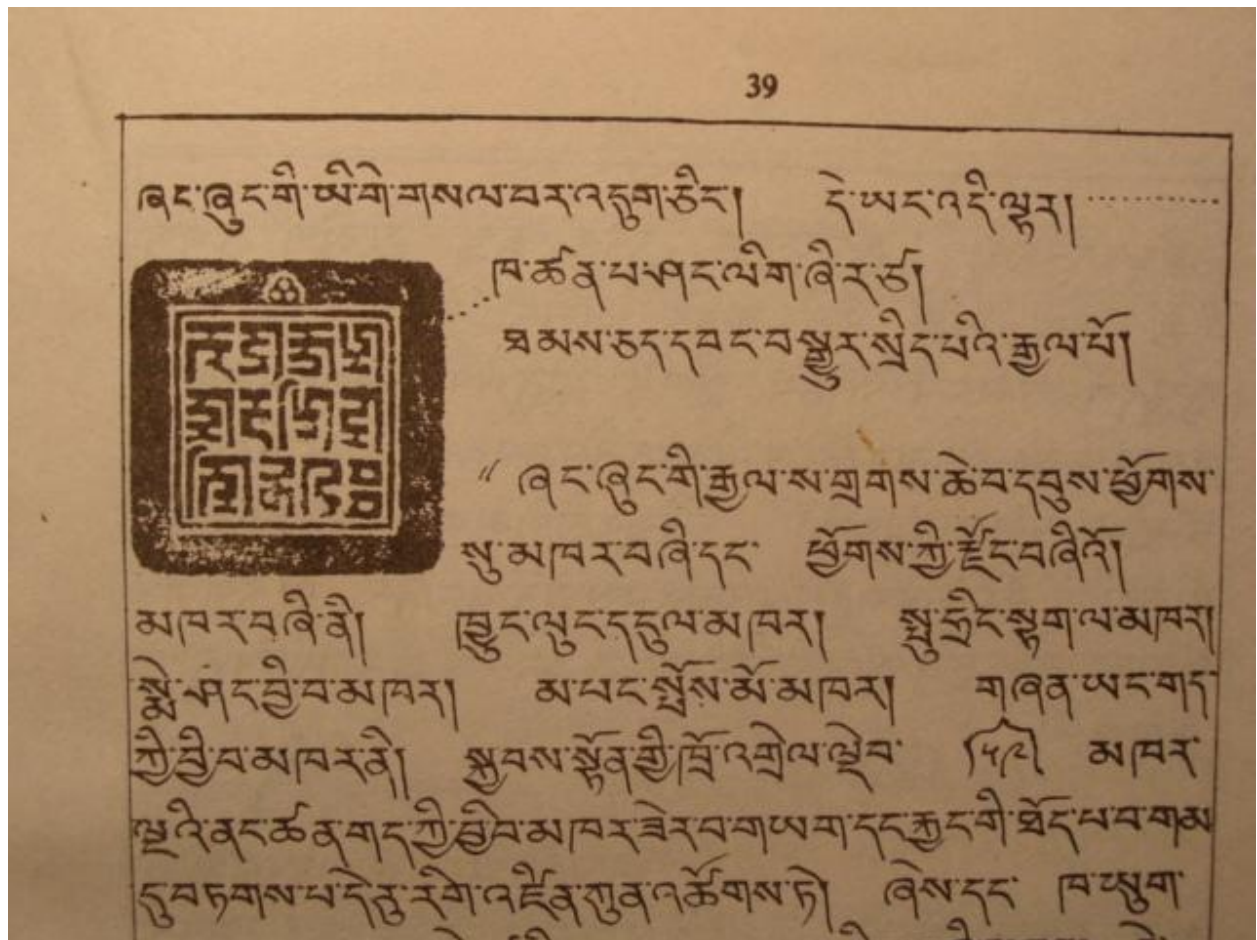
Source: Lokesh Chandra 1982 page 60.

Fig. 3: Table of Marchen Letters



Source: Zhuton Nyima Dragpa 1965 page 60.

Fig. 4: Description of a bronze seal with a Marchen inscription held at the Menri Bön Monastery in Dolanji (Himachal Pradesh)



Source: Lopön Tenzin Namdak 1983 page 39.

ཀ་མ་པ་ཤང་ལིག་ཅི་འོ་འཇུག་པའི་རྒྱལ་པོ་

kha man pa shang lig ci war

"Wielding Power over the World of Sensual Pleasures, King of Life"

Fig. 5: Marchen Inscription on Temple at the Yungdrung Bön Monastery in Dolanji



Picture courtesy of Chris Hatchell.

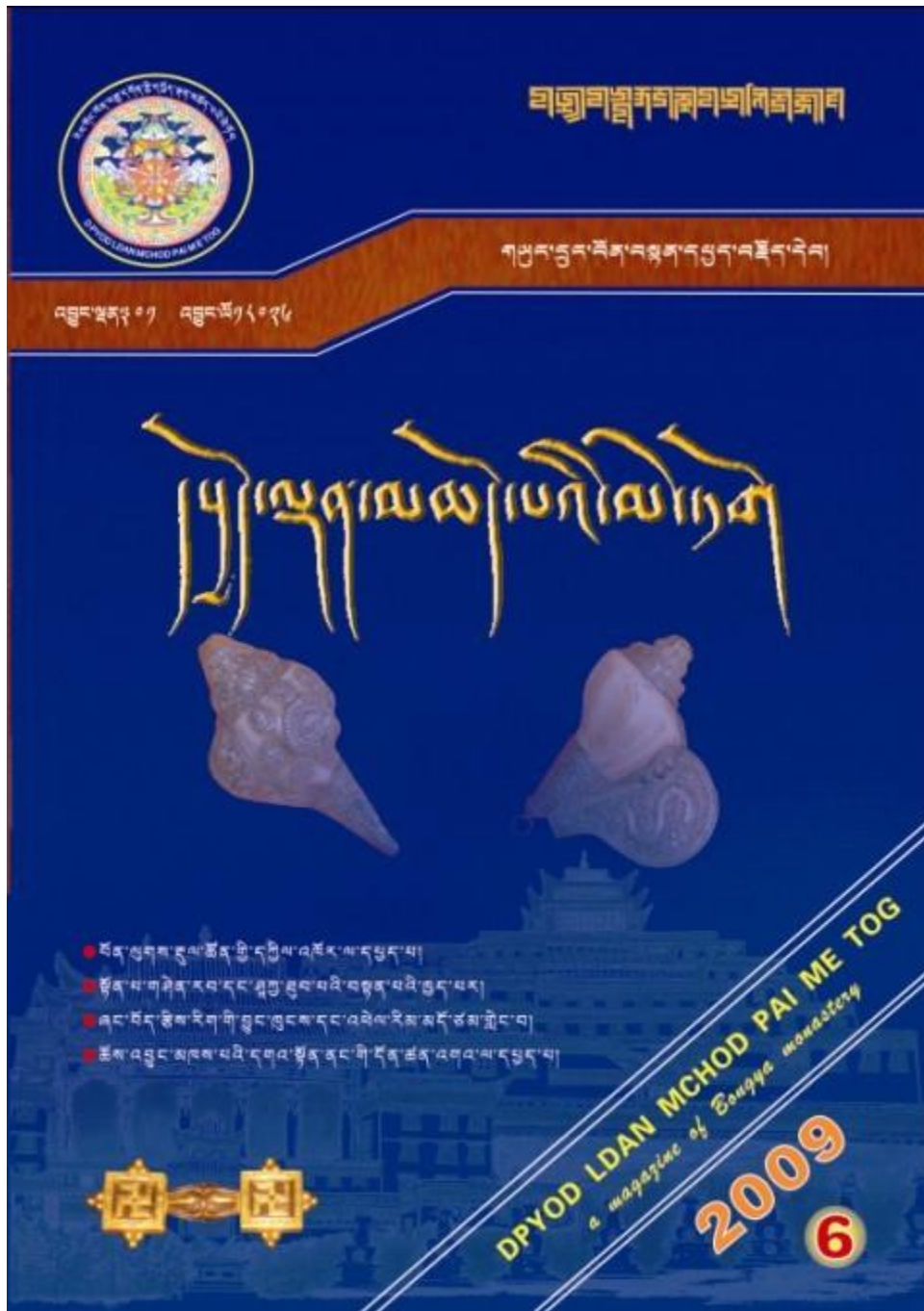
ལྷོ་གློ་མཐོ་མཐོ་མཐོ་མཐོ་

Fig. 6: Marchen Inscription on Library at the Yungdrung Bön Monastery in Dolanji



Picture courtesy of Chris Hatchell.

Fig. 7: Front cover of a journal issued by Bongya Monastery (Qinghai, China)



Source: <http://www.rgbm123.com/news/259/>.

dpyod ldan mchod pa'i me tog

པཎ་ལྷོད་ལྡན་མཚོན་པའི་མེ་ཏོག་

Fig. 8: Table of Contents from a book about Bön

དགར་ཆབ།	
འབྲུག་ལྗོངས་ཀྱི་མཐོ་རིམ་གྱི་ལྷན་ཚོགས་ཀྱི་ལོ་འཇུག་ལྟུང་ལོ་རྒྱུས་ཀྱི་ལྟར་དུ།	གཡུང་རྒྱུད་ལོ་རྒྱུས་ཀྱི་
《ཡུལ་དུ་གྲོགས་པའི་ལོ་རྒྱུས་ཀྱི་ལོ་འཇུག་ལྟུང་ལོ་རྒྱུས་ཀྱི་ལྟར་དུ།》འཇུག་ལོ་རྒྱུས་ཀྱི་ལོ་འཇུག་ལྟུང་ལོ་རྒྱུས་ཀྱི་ལྟར་དུ།	(1)
མཐོ་རིམ་གྱི་ལྷན་ཚོགས་ཀྱི་ལོ་འཇུག་ལྟུང་ལོ་རྒྱུས་ཀྱི་ལྟར་དུ།	དགེ་བཤེས་ཉི་མ་དོན་འབྲུག་ལོ་རྒྱུས་ཀྱི་ལྟར་དུ། (9)
མཐོ་རིམ་གྱི་ལྷན་ཚོགས་ཀྱི་ལོ་འཇུག་ལྟུང་ལོ་རྒྱུས་ཀྱི་ལྟར་དུ།	དཔལ་མཁར་ལོ་རྒྱུས་ཀྱི་ལྟར་དུ། (19)
འབྲུག་ལྗོངས་ཀྱི་ལོ་འཇུག་ལྟུང་ལོ་རྒྱུས་ཀྱི་ལྟར་དུ།	ལྷ་མོ་ལོ་རྒྱུས་ཀྱི་ལྟར་དུ། (31)
འབྲུག་ལྗོངས་ཀྱི་ལོ་འཇུག་ལྟུང་ལོ་རྒྱུས་ཀྱི་ལྟར་དུ།	ལྷ་མོ་ལོ་རྒྱུས་ཀྱི་ལྟར་དུ།
འབྲུག་ལྗོངས་ཀྱི་ལོ་འཇུག་ལྟུང་ལོ་རྒྱུས་ཀྱི་ལྟར་དུ།	ལོ་རྒྱུས་ལོ་རྒྱུས་ཀྱི་ལྟར་དུ། (51)
མི་རིགས་ཀྱི་ལོ་འཇུག་ལྟུང་ལོ་རྒྱུས་ཀྱི་ལྟར་དུ།	མི་རིགས་ཀྱི་ལོ་འཇུག་ལྟུང་ལོ་རྒྱུས་ཀྱི་ལྟར་དུ།
ལོ་རྒྱུས་ལོ་རྒྱུས་ཀྱི་ལྟར་དུ།	ལོ་རྒྱུས་ལོ་རྒྱུས་ཀྱི་ལྟར་དུ། (78)
ལོ་རྒྱུས་ལོ་རྒྱུས་ཀྱི་ལྟར་དུ།	ལོ་རྒྱུས་ལོ་རྒྱུས་ཀྱི་ལྟར་དུ། (91)
ལོ་རྒྱུས་ལོ་རྒྱུས་ཀྱི་ལྟར་དུ།	ལོ་རྒྱུས་ལོ་རྒྱུས་ཀྱི་ལྟར་དུ།
ལོ་རྒྱུས་ལོ་རྒྱུས་ཀྱི་ལྟར་དུ།	ལོ་རྒྱུས་ལོ་རྒྱུས་ཀྱི་ལྟར་དུ།
ལོ་རྒྱུས་ལོ་རྒྱུས་ཀྱི་ལྟར་དུ།	ལོ་རྒྱུས་ལོ་རྒྱུས་ཀྱི་ལྟར་དུ། (113)
ལོ་རྒྱུས་ལོ་རྒྱུས་ཀྱི་ལྟར་དུ།	ལོ་རྒྱུས་ལོ་རྒྱུས་ཀྱི་ལྟར་དུ། (114)
ལོ་རྒྱུས་ལོ་རྒྱུས་ཀྱི་ལྟར་དུ།	ལོ་རྒྱུས་ལོ་རྒྱུས་ཀྱི་ལྟར་དུ། (115)
ལོ་རྒྱུས་ལོ་རྒྱུས་ཀྱི་ལྟར་དུ།	ལོ་རྒྱུས་ལོ་རྒྱུས་ཀྱི་ལྟར་དུ། (116)

Source: <http://www.rgmb123.com/news/268/>.

Fig. 9: Logo of a Bön web site (www.rgmb123.com)



Source: <http://www.rgmb123.com/index.asp>.

reb gong bon mang dra tshigs **འབྲུག་ལྗོངས་ཀྱི་ལོ་འཇུག་ལྟུང་ལོ་རྒྱུས་ཀྱི་ལྟར་དུ།**

10. Proposal Summary Form

**SO/IEC JTC 1/SC 2/WG 2
PROPOSAL SUMMARY FORM TO ACCOMPANY SUBMISSIONS
FOR ADDITIONS TO THE REPERTOIRE OF ISO/IEC 10646¹.**

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:	<i>Final proposal to encode the Marchen script in the SMP of the UCS</i>
2. Requester's name:	<i>Andrew West</i>
3. Requester type (Member body/Liaison/Individual contribution):	<i>Individual contribution</i>
4. Submission date:	<i>2013-10-22</i>
5. Requester's reference (if applicable):	
6. Choose one of the following:	
This is a complete proposal:	<input checked="" type="checkbox"/> YES
(or) More information will be provided later:	<input type="checkbox"/>

B. Technical – General

1. Choose one of the following:		
a. This proposal is for a new script (set of characters):	<input checked="" type="checkbox"/> YES	
Proposed name of script:	<i>MARCHEN</i>	
b. The proposal is for addition of character(s) to an existing block:	<input type="checkbox"/> NO	
Name of the existing block:		
2. Number of characters in proposal:	<i>69</i>	
3. Proposed category (select one from below - see section 2.2 of P&P document):		
A-Contemporary <input type="checkbox"/>	B.1-Specialized (small collection) <input checked="" 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?	<input checked="" type="checkbox"/> YES	
a. If YES, are the names in accordance with the "character naming guidelines" in Annex L of P&P document?	<input checked="" type="checkbox"/> YES	
b. Are the character shapes attached in a legible form suitable for review?	<input checked="" type="checkbox"/> YES	
5. Fonts related:		
a. Who will provide the appropriate computerized font to the Project Editor of 10646 for publishing the standard?	<i>Andrew West</i>	
b. Identify the party granting a license for use of the font by the editors (include address, e-mail, ftp-site, etc.):	<i>Andrew West</i>	
6. References:		
a. Are references (to other character sets, dictionaries, descriptive texts etc.) provided?	<input checked="" type="checkbox"/> YES	
b. Are published examples of use (such as samples from newspapers, magazines, or other sources) of proposed characters attached?	<input checked="" type="checkbox"/> YES	
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)?	<input type="checkbox"/> NO	

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.

¹ 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	<i>Replaces N4032</i>	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
3. Information on the user community for the proposed characters (for example: size, demographics, information technology use, or publishing use) is included? Reference:		No
4. The context of use for the proposed characters (type of use; common or rare) Reference:		rare
5. Are the proposed characters in current use by the user community? If YES, where? Reference:	<i>In academic publications and on web pages</i>	YES
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:		NO
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