

# Representing Tifinagh in Unicode - Unicode Technical Note (proposed draft)

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Opentype tags **Berber** 'BBR' **ber**, **cnu**, **jbe**, **jbn**, **mzb**, **oua**, **sds**, **shy**, **sjs**, **swn**, **tia**, **tjo**

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# Introduction

Tifinagh is encoded in the U+2D30..U+2D7F block of Unicode.

This document aims to give guidance on the encoding of text using the Tifinagh script. Since the script is used for a number of orthographies covering different languages, the development of this document is ongoing. It aims to bring together the results of consensus between experts in the encoding of the various orthographies using the script. In terms of the Unicode standard, this document is purely informative since it is concerned with issues not covered by that standard.

This document also aims to give guidance on font development for the different orthographies and languages.

## To Add

- Perhaps include transliteration. where known.
- Perhaps sort orders, where known.

# The Unicode Model

## Basic Consonants

The basic consonants are relatively obvious and can be discovered by viewing the Unicode charts.

**Design:** There can be some design issues related to "dotted" characters especially when the design is similar. When these characters appear together, they can be difficult to read unless care is taken to change the size or spacing of the dots: ••••••••. The Neotifinagh design does not have as significant an issue: o8•••••o

## Vowels

Vowels are not as clearly defined. Neo-Tifinagh does not have any special vowels. However, different traditional Tifinagh orthographies may demonstrate vowels using combining marks in different ways. These vowels are primarily used as an aid in learning to read.

### SIL

Vowels						
Tfng	ⵏ	ⵍ	ⵉ	ⵓ	ⵔ	ⵖ
USV	2D30 + 0302	2D30 + 0306	2D62 + 0323	2D62 + 0302	2D53 + 0302	2D67 + 0302

### APT

Vowels						
Tfng	ⵏ	ⵍ	ⵉ	ⵓ	ⵔ	ⵖ
USV	2D30	2D66	2D62	2D67	2D66 0302	2D67 0302

### Hawad

*Positioning of U+0308 is incorrect in most fonts*

Vowels					
Tfng	ⵏ	ⵍ	ⵉ	ⵓ	ⵔ
USV	2D5D 0307	2D5D 0308	2D5D	2D49 0307	2D49 0308

## Punctuation

Western-style punctuation signs are used in Tifinagh. Words are separated by a space.

A few languages use a special separator mark which has been encoded in the Tifinagh block. The languages using the separator mark will be indicated in the section on that language. Otherwise, punctuation will not be listed in each section.

Punctuation								
Tfng	.	,	;	:	?	!	...	↵
USV	002E	002C	003B	003A	003F	0021	2026	2D70

## Digits

There does not seem to be any common way to write numbers using Tifinagh script. The Ircam Tifinagh uses the usual Western-style digits

## Variant Glyphs

This chart includes a sampling of some of the possible glyph variants in current use. It does not demonstrate all of the possible historical glyph variants.

Because these glyphs are taken from various fonts, the height of a particular glyph may not be significant.

	2D3	2D4	2D5	2D6	2D7
0	ⵝ ⵞ ⵟ	ⵠ ⵡ	ⵣ ⵤ ⵥ	ⵧ	↵
1	⵨ ⵩	⵫	!	⵭	
2	ⵯ	⵱	⵳	⵵ ⵶	
3	⵸ ⵹	⵻	⵽ ⵿	⵾ ⵿ ⵿	
4	⵺ ⵻	⵽	⵿	⵿	
5	⵼	⵽	⵿	⵿ ⵿	
6	⵿ ⵿	⵿	⵿	<	
7	⵿	⵿	⵿	-- ..	
8	⵿ ⵿	⵿	⵿		
9	⵿	⵿	⵿		
A	⵿	⵿	⵿ ⵿		
B	⵿	⵿ ⵿ ⵿	⵿ ⵿ ⵿		
C	⵿ ⵿ ⵿ ⵿	⵿	⵿ ⵿		
D	⵿	⵿ ⵿	⵿		
E	⵿	⵿	⵿		
F	⵿	⵿	⵿ ⵿	⵿	⵿ .....

Variants will only be included in each language section when there are known variants.

## **Bi- Tri-Consonants**

Bi-consonants are additional letterforms used in the Tifinagh script, particularly for Tuareg, to represent a consonant cluster—a sequence of two consonants without an intervening vowel. These bi-consonants, sometimes also referred to as bigraphs, are not directly encoded as single characters in the Unicode Standard. Instead, they are represented as a sequence of the two consonant letters, separated either by U+200D ZERO WIDTH JOINER or by U+2D7F TIFINAGH CONSONANT JOINER.

When a bi-consonant is considered obligatory in text, it is represented by the two consonant letters, with U+2D7F TIFINAGH CONSONANT JOINER. inserted between them. This use of U+2D7F is comparable in function to the use of U+0652 ARABIC SUKUN to indicate the absence of a vowel after a consonant, when Tuareg is written in the Arabic script. However, instead of appearing as a visible mark in the text, U+2D7F TIFINAGH CONSONANT JOINER indicates the presence of a bi-consonant, which should then be rendered with a preformed glyph for the sequence.

Some of the bi-consonants have ascenders. These should ascend above the normal height of the Tifinagh consonants.

USV	2D7F between characters	→	Glyph (2D7F)	Glyph (ZWJ)
1 2D31 2D5C	ⵜ +.....+ ⵜ	→	ⵜ+ⵜ	ⵜ+
2 2D33 2D5C	ⵝ +.....+ ⵜ	→	ⵝ+	ⵝ+
3 2D34 2D5C	ⵉ +.....+ ⵜ	→	ⵉ+	
4 2D36 2D5C	ⵏ +.....+ ⵜ	→	ⵏ+	
5 2D3C 2D5C	ⵊ +.....+ ⵜ	→	ⵊ ⵊⵊ ⵊ ⵊⵊ ⵊ ⵊ	ⵊ
6 2D40 2D5C	ⵓ +.....+ ⵜ	→	ⵓ+	ⵓ+
7 2D49 2D5C	ⵔ +.....+ ⵜ	→	ⵔ	
8 2D4B 2D5C	ⵖ +.....+ ⵜ	→	ⵖ	
9 2D4C 2D5C	ⵗ +.....+ ⵜ	→	ⵗ ⵗ ⵗ	
10 2D4D 2D3E	ⵙ +.....+ ⵉ	→	ⵙ	
11 2D4D 2D5C	ⵙ +.....+ ⵜ	→	ⵙ ⵙ ⵙ ⵙ ⵙ	
12 2D4E 2D40	ⵚ +.....+ ⵓ	→	ⵚ ⵓ	
13 2D4E 2D59	ⵚ +.....+ ⵓ	→	ⵚ	
14 2D4E 2D5C	ⵚ +.....+ ⵜ	→	ⵚ ⵚ ⵚ ⵚ ⵚ ⵚ	
15 2D4F 2D31	ⵛ +.....+ ⵜ	→	ⵛ	
16 2D4F 2D34	ⵛ +.....+ ⵉ	→	ⵛ ⵉ	
17 2D4F 2D36	ⵛ +.....+ ⵏ	→	ⵛ ⵏ ⵏ	
18 2D4F 2D37	ⵛ +.....+ ⵊ	→	ⵛ ⵊ	
19 2D4F 2D38	ⵛ +.....+ ⵖ	→	ⵛ ⵖ	
20 2D4F 2D39	ⵛ +.....+ ⵗ	→	ⵛ ⵗ	

USV	Glyph	→	Glyph and Glyph Variants (using 2D7F between glyphs)	Using ZWJ instead of 2D7F
21 2D4F 2D3C	ⵛ +.....+ ⵊ	→	ⵛ ⵊ ⵊ ⵊ	
22 2D4F 2D3C 2D5C		→	ⵛ	

USV	Glyph	→	Glyph and Glyph Variants (using 2D7F between glyphs)	Using ZWJ instead of 2D7F
	I +.....+ H +.....+ +			
23 2D4F 2D3E	I +.....+ ∴	→	‡ ‡	
24 2D4F 2D40	I +.....+ Ⓚ	→	Ⓚ	
25 2D4F 2D4C	I +.....+ #	→	† ‡	
26 2D4F 2D57	I +.....+ ∴	→	‡.	
27 2D4F 2D59	I +.....+ Ⓢ	→	Ⓢ Ⓢ	
28 2D4F 2D5B	I +.....+ €	→	€	
29 2D4F 2D5C	I +.....+ +	→	† ‡ ‡	
30 2D4F 2D5E	I +.....+ €	→	€	
31 2D4F 2D63	I +.....+ ✖	→	✖	
32 2D4F 2D64	I +.....+ †	→	‡	
33 2D53 2D5C	Ⓢ +.....+ +	→	‡ ‡ ‡ ‡	
34 2D54 2D31	Ⓚ +.....+ Ⓚ	→	Ⓚ	
35 2D54 2D36	Ⓚ +.....+ ‡	→	Ⓚ	
36 2D54 2D37	Ⓚ +.....+ Λ	→	Ⓚ	
37 2D54 2D3D	Ⓚ +.....+ ℝ	→	Ⓚ	
38 2D54 2D3E	Ⓚ +.....+ ∴	→	‡ ‡	
39 2D54 2D4F	Ⓚ +.....+ I	→	Ⓚ Ⓚ	
40 2D54 2D59	Ⓚ +.....+ Ⓚ	→	Ⓚ	

USV	Glyph	→	Glyph and Glyph Variants (using 2D7F between glyphs)	Using ZWJ instead of 2D7F
41 2D54 2D5C	ⵝ +.....+ +	→	ⵝ+ⵝ+ⵝ	
42 2D56 2D5C	ⵞ +.....+ +	→	ⵞ	
43 2D59 2D3E	ⵟ +.....+ ⵟ	→	ⵟ	
44 2D59 2D4F	ⵟ +.....+	→	ⵟ	
45 2D59 2D5C	ⵟ +.....+ +	→	ⵟ+ⵝ+ⵞ+ⵟ	
46 2D5B 2D3E	ⵠ +.....+ ⵟ	→	ⵠⵠⵠⵠ	
47 2D5B 2D4F	ⵠ +.....+	→	ⵠ	
48 2D5B 2D5C	ⵠ +.....+ +	→	ⵠ+ⵠ+ⵠ	
49 2D5C 2D59	+ +.....+ ⵟ	→	ⵠ	
50 2D61 2D5C	ⵡ +.....+ +	→	ⵡ	
51 2D62 2D5C	ⵢ +.....+ +	→	ⵢⵢ	
52 2D63 2D5C	ⵣ +.....+ +	→	ⵣ	
53 2D65 2D5C	ⵤ +.....+ +	→	ⵤ	

This should not be considered an exhaustive list of all bi-consonants used for Tifinagh, nor are the shapes of the bi-consonants necessarily definitive. There are a wide range of glyph variants.

Bi-consonants will only be included in each language section when there are known variants.





- [Tuareg Tifinagh](#) [taq, thv]

## Fonts

These fonts provide support for some or all of the Tifinagh block.

- (Noto Sans Tifinagh)[<https://fonts.google.com/noto/specimen/Noto+Sans+Tifinagh>]
- (Akatab)[<https://software.sil.org/akatab/>] - currently only covers part of the Tifinagh block for Tamahaq, Tamashek, and Tawallammat languages
- (Tagmukay)[<https://software.sil.org/tagmukay/>] - currently only covers part of the Tifinagh block for the Tawallammat Tamajaq language
- (Catrinity)[<https://catrinity-font.de/>]
- (IRCAM Tifinagh fonts)[<https://www.ircam.ma/fr/alphabet-tifinaghe/>] - supports neo-Tifinagh
- (Hapax font set)[<http://www.hapax.qc.ca/polices/>]
- (MPH 2B Damase)[<https://www.dafont.com/mph-2b-damase.font>]
- (DejaVu)[<https://dejavu-fonts.github.io/>]

## Languages Using Neo-Tifinagh script

### Central Atlas Tamazight, Standard Moroccan Tamazight

Source: Tifinaghe-IRCAM, [Omniglot](#), Souad Sahraoui

Language tag: [tzm-Tfng](#), [zgh](#)

Opentype language system tag: BBR

Keyman keyboard: [Tifinagh \(Basic\) Basic](#) [tzm]

Keyman keyboard: [Tifinagh \(Full\) Basic](#) [tzm, thz, tda, thv, kab, mzb, shi, shy, rif, tmh, zen, zgh]

### Alphabet

Consonants										
Tfng	ⵀ	ⵁ	ⵂ	ⵃ	ⵄ	ⵅ	ⵆ	ⵇ	ⵈ	ⵉ
USV	2D31	2D33	2D33 + 2D6F	2D37	2D39	2D3C	2D3D	2D3D + 2D6F	2D40	2D43
Latn	b	g	g <sup>w</sup>	d	ɖ	f	k	k <sup>w</sup>	h	ħ
Tfng	ⵊ	ⵋ	ⵌ	ⵍ	ⵍ	ⵎ	ⵏ	ⵐ	ⵑ	ⵒ
USV	2D45	2D47	2D4A	2D4D	2D4E	2D4F	2D54	2D55	2D56	2D59
Latn	x	q	j	l	m	n	r	ɾ	y	s
Tfng	ⵓ	ⵔ	ⵕ	ⵖ	ⵗ	ⵘ	ⵙ	ⵚ		
USV	2D5A	2D5B	2D5C	2D5F	2D61	2D62	2D63	2D65		
Latn	ʃ	c	t	ɛ	w	y	z	ʒ		
Vowels										
Tfng	ⵓ	ⵕ		ⵖ	ⵗ		ⵙ			
USV	2D30	2D3B		2D44		2D49				
Latn	a	e		ɛ		i				

## Known glyph variants

The Tifinagh script was encoded based on Neo-Tifinagh shapes. It seems unlikely that there would be glyph variants.

## Bi-consonants

Bi-consonants are not “required” in Neo-Tifinagh. If a font supports bi-consonants, the two consonants separated by the ZWJ should thus form a bi-consonant. If a font does not support bi-consonants, they should simply appear as separate consonants.

## Contextual Shaping

Neo-Tifinagh does not use contextual shaping for the “l” and “n”. This is because the glyphs are distinguishable from each other when side by side.

## Kabyle, Amazigh

Source: [Omniglot](#)

Language Tag: `kab-Tfng`

Opentype language system tag: `BBR`

See also "[Neo-Tifinagh in Algeria](#)" listed above for comparison. The character sets do not match.

Characters											
Tfng	ⵝ	ⵞ	ⵟ	ⵠ	ⵡ	ⵢ	ⵣ	ⵤ	ⵥ	ⵦ	ⵧ
USV	2D30	2D31	2D31	2D31	2D5B	2D5E	2D37	2D39	2D3B	2D44	2D3C
			2D6F								
Latn	a	b	bw	c	č	d	ḍ	ə	ε	f	
Tfng	ⵉ	ⵊ	ⵋ	ⵌ	ⵍ	ⵍ	ⵎ	ⵏ	ⵐ	ⵑ	ⵒ
USV	2D33	2D33	2D35	2D56	2D56	2D56	2D41	2D43	2D49	2D4A	2D3D
		2D6F			2D6F						2D3D
											2D6F
Latn	g	gw	ğ	γ	γw	h	ḥ	i	j	k	kw
Tfng	ⵓ	ⵔ	ⵕ	ⵖ	ⵗ	ⵘ	ⵙ	ⵚ	ⵛ	ⵜ	ⵝ
USV	2D4D	2D4E	2D4F	2D47	2D47	2D47	2D54	2D55	2D59	2D5A	2D5C
					2D6F						2D5F
Latn	l	m	n	q	qw	r	ř or ɾ	s	ş	t	ţ
Tfng	ⵟ	ⵠ	ⵡ	ⵢ	ⵣ	ⵤ	ⵥ	ⵦ	ⵧ	⵨	⵩
USV	2D53	2D61	2D45	2D45	2D62	2D63	2D65	2D5C	2D59	2D37	2D63
				2D6F							
Latn	u	w	x	xw	y	z	ž	ts		dz	

## Known glyph variants

- Variants are used for c č and l. However, the variants are not in any of the Akatab, Ebrima, or Noto fonts.

## Bi-consonants

Bi-consonants are not “required” in Neo-Tifinagh. If a font supports bi-consonants, the two consonants separated by the ZWJ should thus form a bi-consonant. If a font does not support bi-consonants, they should simply appear as separate consonants.

# Languages Using Traditional Tifinagh script

## Ghomara, Shilha

Source: [Omniglot](#)

Language Tag: `gho-Tfng`

Opentype language system tag: `BBR`

Characters										
Tfng	ⵝ	ⵥ	ⵏ	ⵏⵢ	ⵎ	ⵎⵢ	ⵏ	ⵏⵢ	ⵏⵢ	ⵏⵢ
USV	2D30	2D31	2D33	2D33 2D6F	2D37	2D39	203C	2D3D	2D3D 2D6F	2D40
Latn	a	b	g	gw	d	ḍ	f	k	kw	h
Tfng	ⵏ	ⵏⵢ	ⵏ	ⵏⵢ	ⵏ	ⵏⵢ	ⵏ	ⵏⵢ	ⵏ	ⵏ
USV	2D43	2D44	2D45	2D45 2D6F	2D47	2D49	204A	2D4D	2D4E	2D4F
Latn	ḥ	ε	x	xw	q	i	ž	l	m	n
Tfng	ⵏ	ⵏ	ⵏ	ⵏⵢ	ⵏⵢ	ⵏ	ⵏ	ⵏ	ⵏ	ⵏ
USV	2D53	2D54	2D55	2D56	2D56 2D6F	2D59	205A	2D5B	2D5C	2D5F
Latn	u	r	ṛ	ɣ	ɣw	s	š	š	t	ṭ
Tfng	ⵏ	ⵏ	ⵏ	ⵏ						
USV	2D61	2D62	2D63	2D65						
Latn	w	y	z	z						

## Known glyph variants

A variant for "l" is not in any of the Akatab, Ebrima, or Noto fonts.

## Tarifit, Riffian

Language tag: `rif-Tfng`

Opentype language system tag: `BBR`

Source: [Omniglot, 2009 New Testament](#)

Characters										
Tfng	o	Θ	X	X <sup>u</sup>	Λ	E	⊙	Η	Κ	Κ <sup>u</sup>
USV	2D30	2D31	2D33	2D33 2D6F	2D37	2D39	2D3B	2D3C	2D3D	2D3D 2D6F
Latn	a	b	g	gw	d	ḍ	ə	f	k	kw
Tfng	⓪	Λ	Η	X	⓪	Σ	I	Η	⓪	I
USV	2D40	2D43	2D44	2D45	2D47	2D49	2D4A	2D4D	2D4E	2D4F
Latn	h	ḥ	ε	x	q	i	j	l	m	n
Tfng	⓪	O	Q	Υ	⓪	⓪	⓪	⓪	+	E
USV	2D53	2D54	2D55	2D56	2D59	2D5A	2D5B	2D5E	2D5C	2D5F
Latn	u	r	ṛ	γ	s	ṣ	c	č	t	ṭ
Tfng	⓪	Σ	⓪	⓪	⓪					
USV	2D61	2D62	2D63	2D65	2D6F					
Latn	w	y	z	z						

#### Glyph variants and Biconsonants

None known.

### Tachelhit

Language tag: [shi](#)

Opentype language system tag: [BBR](#)

SLDR: [shi](#)

Characters									
Tfng	o	Θ	X	Λ	E	⊙	Η	Κ	⊙
USV	2D30	2D31	2D33	2D37	2D39	2D3B	2D3C	2D3D	2D40
Tfng	Λ	Η	X	⊙	Σ	I	Η	⊙	I
USV	2D43	2D44	2D45	2D47	2D49	2D4A	2D4D	2D4E	2D4F
Tfng	⊙	⊙	Q	Υ	⊙	⊙	⊙	+	E
USV	2D53	2D54	2D55	2D56	2D59	2D5A	2D5B	2D5C	2D5F
Tfng	⊙	Σ	⊙	⊙	⊙				
USV	2D61	2D62	2D63	2D65	2D6F				

#### Glyph variants

Unknown.

## Siwi

Source: [Omniglot](#)

Language Tag: `siz-Tfng`

Opentype language system tag: `BBR`

Characters										
Tfng	o	Θ	Θ <sup>u</sup>	X	X <sup>u</sup>	Λ	I <sup>u</sup>	E	⊖	H
USV	2D30	2D31	2D31 2D6F	2D33	2D33 2D6F	2D37	2D36	2D39	203B	2D3D
Latn	a	b	ḃ	g	gw	d	j	ḋ	ə	f
Tfng	H <sup>u</sup>	K	K <sup>u</sup>	Ø	Λ	Ḡ	X	X <sup>u</sup>	Ʒ	Σ
USV	2D3C 2D6F	2D3F	2D3F 2D6F	2D40	2D43	2D44	2D45	2D45 2D6F	2D47	2D49
Latn	f	k	kw	h	ḥ	glottal	x	xw	q	i
Tfng	H	H <sup>u</sup>	C	C <sup>u</sup>	I	⊖	O	Q	Ƴ	Ƴ <sup>u</sup>
USV	2D4D	2D4D 2D6F	2D4E	2D4E 2D6F	2D4F	2D53	2D54	2D55	2D56	2D56 2D6F
Latn	l	ḷ	m	ṁ	n	u	r	ṛ	ḡ	ḡw
Tfng	⊙	Ø	⊙	+	⊙	E	U	Ʒ	Ж	Ж
USV	2D59	2D5A	2D5B	2D5C	2D5E	2D5F	2D61	2D62	2D63	2D65
Latn	s	ṣ	š	t	č	ṭ	w	y	z	ž

Other characters			
Tfng	oΣ	o⊖	OO
USV	2D30 2D49	2D30 2D53	2D54 2D54
Latin	ai/e	au/o	rr

## Tamasheq

Source: [Omniglot](#)

Language Tag: `taq-Tfng`

Opentype language system tag: [TMH](#) and [BBR](#)

Characters											
Tfng	o	Θ	X	ĩ	Λ / V	E	Ɔ	÷	∴	Λ	h
USV	2D30	2D31	2D34	2D36	2D37 or 2D38	2D39	2D3C	2D3E	2D42	2D43	2D44
Latn	a	b	g	j	d	ɖ	f	k	h	ɣ	ε
Tfng	::	...	Σ	# or X	И	Ɔ	l	!	∴	O	∴
USV	2D46	2D48	2D49	2D4C or 2D4B	2D4D	2D4E	2D4F	2D51	2D53	2D54	2D57
Latn	x	q	i	ž	l	m	n	ŋ	o/u	r	γ
Tfng	⊙	⊙	⊙	+	E	U	5	Ж	Ж	<	
USV	2D59	2D5A	2D5B	2D5C	2D5F	2D61	2D62	2D63	2D65	2D66	
Latn	s	ş	š	t	ṭ	w	y	z	z	e/ə/ ε	

## Tahaggart Tamahaq

Language tag: [thv-Tfng](#)

Opentype language system tag: [TMH](#) and [BBR](#)

Keyman keyboard: [Tuareg Tifinagh](#) [taq, thv]

Font: [Akatab](#)

Characters									
Tfng	•	Θ	ϣ	ĩ	Λ	E	Ɔ	÷	∴
USV	2D30	2D31	2D34	2D36	2D37	2D39	2D3C	2D3E	2D42
Latn	a	b	g	ğ	d	ɖ	f	k	h
Tfng	::	...	Σ	X	#	ll	Ɔ	l	†
USV	2D46	2D48	2D49	2D4B	2D4C	2D4D	2D4E	2D4F	2D50
Latn	x	q	γ	j	z	dd	m	n	ŋ
Tfng	∴	O	∴	⊙	⊙	+	E	Ж	
USV	2D53	2D54	2D57	2D59	2D5B	2D5C	2D5F	2D63	
Latn	u	rr	γ	s	šš	t	ṭ	zz	

## Glyph variants

USV			
2D30	o	>	•
2D34	X	>	X
2D3C	H	>	J
2D4B	X	>	X
2D4D	H	>	
2D50	#	>	#
2D53	o	>	:
2D5B	G	>	G
2D63	X	>	X

## Tamajeq, Tayart

Source: [Omniglot](#)

Language Tag: thz-Tfng

Opentype language system tag: TMH and BBR

The order of these characters is based on Unicode codepoints, not on the order listed in Omniglot.

Characters											
Tfng	o	⓪	X	ĩ	Λ	E	Ⓢ	<	H	∴	∴
USV	2D30	2D40	2D33	2D36	2D37	2D39	203B	2066	2D3C	2D3E	2D42
Latn	a	b	g	ġ	d	đ	ə	e	f	k	h
Tfng	::	...	Σ	#	H	⌈	l	!	--	O	Q
USV	2D46	2D48	2D49	2D4C	2D4D	2D4E	2D4F	2D51	2D67	2D54	2D55
Latn	x	q	i	j	l	m	n	ŋ	o	r	ŕ
Tfng	∴	⊙	⊙	G	+	E	o	>	X / ↑	X	
USV	2D57	2D59	2D5A	2D5B	2D5C	2D5F	2D53	2D62	2D63 or 2D64	2D65	
Latn	y	s	ş	š	t	ţ	w/u	y	z	z	

It is unclear if this is meant to be a required bi-consonant.

Other "letters"	
Tfng	ⵜⵍ
USV	2D5C 2D5B
Latn	č

## Punctuation

All punctuation required for Neo-Tifinagh is also required for `thz`. In addition, the separator mark is used:

U+2D70 ⵍ.

## Known glyph variants

ⵝ	>	•
ⵀ	>	ⵀ
ⵀ	>	ⵀ
ⵍ	>	ⵍ
--	>	..

## Tawallammat Tamajaq

Language Tag: `ttq-Tfng`

Opentype language system tag: `TMH` and `BBR`

Keyman keyboard: [Tawallammat Tifinagh \(SIL\)](#) [ttq, tzm]



Font: [Tagmukay](#)

Characters									
Tfng	•	ἀ	Ε	Η	∴	⊕	∴	∴	...
USV	2D30	2D36	2D39	2D3C	2D3E	2D40	2D42	2D46	2D48
Latn	a	g	d	f	k	b	h	q	x
Tfng	#	ἂ	Ɔ	l	l	:	○	∴	⊙
USV	2D4C	2D4D	2D4E	2D4F	2D51	2D53	2D54	2D57	2D59
Latn	j	l	m	n	η	w	r	c	s
Tfng	ℓ	+	ζ	↑	..				
USV	2D5B	2D5C	2D62	2D64	2D67				
Latn	š	t	y	z	o				

Vowels					
Tfng	ˆ	ζ	ζ̂	ˆ	ˆ
USV	2D30 + 0302	2D62 + 0323	2D62 + 0302	2D53 + 0302	2D67 + 0302
Latn	a	i	e	u	o

#### Glyph variants

USV				
2D30	ο	>	•	
2D3C	Η	>	Η	
2D4D	И	>	ἂ	
2D53	⋈	>	:	
2D5B	℄	>	ℓ	
2D63	Ж	>	Ж	

#### Tri- Bi-Consonants

USV	2D7F between characters	→	Glyph
2D3C 2D5C	Η + ..... + +	→	Η
2D4D 2D5C	ἂ + ..... + +	→	Χ
2D4E 2D40	Ɔ + ..... + ⊕	→	⊖
2D4E 2D59	Ɔ + ..... + ⊙	→	⊗
2D4E 2D5C	Ɔ + ..... + +	→	⊕
2D4F 2D36		→	

USV	2D7F between characters	→	Glyph
	+ ..... + 𐵀		𐵀
2D4F 2D39	+ ..... + E	→	𐵀
2D4F 2D3C	+ ..... + H	→	𐵀
2D4F 2D3C 2D5C	+ ..... + H + ..... + +	→	𐵀
2D4F 2D3E	+ ..... + ∴	→	𐵀
2D4F 2D4C	+ ..... + #	→	𐵀
2D4F 2D57	+ ..... + ∴	→	𐵀
2D4F 2D59	+ ..... + ⊙	→	⊙
2D4F 2D5C	+ ..... + +	→	𐵀
2D4F 2D64	+ ..... + ↑	→	𐵀
2D54 2D5C	○ + ..... + +	→	⊕
2D59 2D5C	⊙ + ..... + +	→	⊕
2D5B 2D5C	ℓ + ..... + +	→	ℓ

Contextual Shaping						
	+		+		→	\
2D4D		2D4D		2D4D		
	+		+		→	\
2D4D		2D4F		2D4D		
	+		+		→	\
2D4F		2D4D		2D4F		
	+		+		→	\
2D4F		2D4F		2D4F		

## Punctuation

All punctuation required for Neo-Tifinagh is also required for ttq. In addition, the separator mark is used: U+2D70 𐵀.

## Still working on - confusing sources

**Taqbaylit, Tumzabt, Tacenwit, Tacawit, Tamahaq (Neo-Tifinagh in Algeria), Tahaggart Tamahaq, Tachawit, Tachelhit, Tumzabt**

**Source:** Savage, 2003. p. 2.

Language Tags: kab-Tfng, mzb-Tfng, shi-Tfng, shy-Tfng, thv-Tfng`

This set of characters is used in a Algerian school text book entitled “Adlis” printed in 1988 (pp 12,13). It is unknown how widely used this book (or the characters) are actually used.

The glyphs or codepoints for y, h, and i may be incorrect.

Characters										
Tfng	o	ô	ⵝ	ⵞ	ⵏ	ⵑ	ⵓ	ⵙ	ⵔ	
USV	2D30	2D30 0302	2D33	2D35	2D37	2D39	2D3B	2D3C	2D3D	
Latn	a	ε	g	ğ	d	đ	c	f	k	
Tfng	ⵐ	ⵎ	ⵏ	ⵐ	ⵑ	ⵒ	ⵓ	ⵔ	ⵕ	ⵖ
USV	2D40	2D43	2D44	2D45	2D47	2D49	2D4A	2D4D	2D4E	2D4F
Latn	b	h	h	x	q	i	j	l	m	n
Tfng	ⵙ	ⵔ	ⵕ	ⵖ	ⵗ	ⵘ	ⵙ	ⵔ	ⵕ	
USV	2D53	2D54	2D59	2D5B	2D5C	2D5F	2D61	2D62	2D63	
Latn	u	r / ɾ	s / š	c / č	t	ţ	w	y	z / ž	

## Known glyph variants

o	>	•
ô	>	◌̂
ⵙ	>	ⵙ
ⵔ	>	ⵔ
ⵕ	>	ⵕ
ⵖ	>	ⵖ

## Bi-consonants

n2739 page 36 lists some bi-consonants used in the L'Ahaaggar. These would likely be for thv-Tfng

## Tuareg (Aïr dialect of Niger)

Source: Aghali-Zakara chart in Unicode proposal n2739 page 31.

Language Tag: thz-Tfng

Omniglot lists a different set of characters for `thz`

Characters											
Tfng	o	⓪	Ɛ	ℋ	ᵀ	∴	⋮	#	∴	И	
USV	2D30	2D40	2D39	2D3C	2D36	2D58	2D42	2D4C	2D3E	2D4D	
Latn	a	b	d	f	g	γ	h	j	k	l	
Tfng	Ɔ	l	Ʒ	○	⊙	Ⓖ	+	⊘	⋮	↵	Ж
USV	2D4E	2D4F	2D47	2D54	2D59	2D5B	2D5C	2D53	2D57	2D62	2D63
Latn	m	n	q	r	s	š	t	w	x	y	z

2D57 is listed twice. I changed the first one to 2D47 (horizontal 3 dots instead of vertical)

## Tuareg (Azawagh dialect of Niger-Mali), Tagdal

**Source:** Aghali-Zakara chart in Unicode proposal

**Language Tag:** `tda-Tfng-NE`

Characters											
Tfng	o	⓪	Ɛ	ℋ	ᵀ	⋮	⋮	#	∴	И	Ɔ
USV	2D30	2D40	2D39	2D3C	2D36	2D57	2D42	2D4C	2D3E	2D4D	2D4E
Latn	a	b	d	f	g	γ	h	j	k	l	m
Tfng	l	∴	○	⊙	Ⓖ	+	⊘	...	↵	Ж	ᵀ
USV	2D4F	2D46	2D54	2D59	2D5B	2D5C	2D53	2D48	2D62	2D63	2D64
Latn	n	q	r	s	š	t	w	x	y	z	ẓ

### Known glyph variants

o	>	•
ℋ	>	ℋ
И	>	И
⊘	>	:

## Tawallammat Tamajaq, Tamashek

**Source:** ???

**Language Tag:** ttq-Tfng, tmh-Tfng (macrolanguage)

Characters										
Tfng	ⵏ	ⵉ	ⵊ	ⵋ	ⵌ	ⵍ	ⵎ	ⵏ	ⵐ	ⵑ
USV	2D40	2D57	2D39	2D3C	2D36	2D42	2D4C	2D3E	2D4D	2D4E
Latn	b	γ	d	f	g	h	j	k	l	m
Tfng	ⵒ	ⵓ	ⵔ	ⵕ	ⵖ	ⵗ	ⵘ	ⵙ	ⵚ	ⵛ
USV	2D4F	2D51	2D46	2D54	2D59	2D5B	2D5C	2D53	2D48	2D62
Latn	n	η	q	r	s	š	t	w	x	y
Tfng	ⵜ	ⵝ	ⵞ							
USV	2D49	2D64	2D30							
Latn	i/y	z	α							

Auxiliary										
Tfng	ⵟ									
USV	2D63									
Latn	z									

**Vowels**

SIL and APT have differing orthographies for the same language

*SIL*

Vowels						
Tfng	ⵏ	ⵉ	ⵊ	ⵋ	ⵌ	ⵍ
USV	2D30 + 0302	2D30 + 0306	2D62 + 0323	2D62 + 0302	2D53 + 0302	2D67 + 0302
Latn	α	ə	i	e	u	o

*APT*

Vowels						
Tfng	ⵏ	ⵉ	ⵊ	ⵋ	ⵌ	ⵍ
USV	2D30	2D66	2D62	2D67		
Latn	α	ə	i	e	u	o

**Punctuation**

All punctuation required for Neo-Tifinagh is also required for ttq. In addition, the separator mark is used:

U+2D70 ⵐ.

## Contextual Shaping

Contextual Shaping				
	+		→	"
2D4D		2D4D		
	+		→	'
2D4D		2D4F		
	+		→	"
2D4F		2D4D		
	+		→	'
2D4F		2D4F		

## Other languages with no information

These language are reported to have used or are using Tifinagh script. However, no further information is available.

### Awjilah

Language Tag: `auj-Tfng`

Opentype language system tag: `BBR`

### Ghadamès

Language Tag: `gha-Tfng`

Opentype language system tag: `BBR`

### Numidian

Language Tag: `nxm-Tfng`

### Taznatit

Language Tag: `grr-Tfng`

Opentype language system tag: `BBR`

### Tetserret

Language Tag: `tez-Tfng`

Opentype language system tag: `BBR`

### Zenaga

Language Tag: `zen-Tfng`

Opentype language system tag: `BBR`

## References

[Omniplot - Central Atlas Tamazight \(Tamaziɣt / ⵜⴰⴳⴷⵓⴷⴰⵢⵜ ⵜⴰⵎⴰⴷⵣⴰⵢⵜ\) \[tzm\]](#)

[Omniplot - Kabyle \(Taqbaylit / ⵜⴰⵖⴰⵢⵍⵉⵜ ⵜⴰⵎⴰⴷⵣⴰⵢⵜ\) \[kab\]](#)

