## THE INTERNATIONAL PHONETIC ALPHABET (revised to 2018)

#### CONSONANTS (PULMONIC)

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CONSOLVINITS (LOUMONIC)																						
	Bilabial L		Labioo	dental	Dental Alve		Alvec	olar	Postalv	eolar	Retroflex		Palatal		Velar		Uvular		Pharyngeal		Glottal	
Plosive	p	b					t	d			t	d	c	đ	k	g	q	G			?	
Nasal		m		ŋ				n				η		ŋ		ŋ		N				
Trill		В						r										R				
Tap or Flap				V				ſ				t										
Fricative	ф	β	f	V	θ	ð	S	Z	ſ	3	Ş	Z,	ç	j	X	γ	χ	R	ħ	ς	h	ĥ
Lateral fricative							1	ß														
Approximant				υ				J				J		j		щ						
Lateral approximant								1				l		λ		L						

Symbols to the right in a cell are voiced, to the left are voiceless. Shaded areas denote articulations judged impossible.

#### CONSONANTS (NON-PULMONIC)

Clicks	Voiced implosives	Ejectives
<ul><li>Bilabial</li></ul>	6 Bilabial	• Examples:
Dental	d Dental/alveolar	p' Bilabial
! (Post)alveolar	f Palatal	t' Dental/alveolar
+ Palatoalveolar	g Velar	k' Velar
Alveolar lateral	<b>G</b> Uvular	S' Alveolar fricative

#### OTHER SYMBOLS

 $\mathbf{M}$  Voiceless labial-velar fricative

W Voiced labial-velar approximant

U Voiced labial-palatal approximant

H Voiceless epiglottal fricative

 $\mathbf{r}$  Voiced epiglottal fricative

 $\mathbf{2}$  Epiglottal plosive

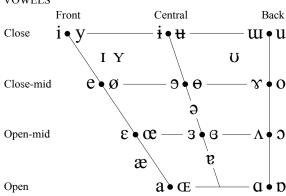
**C Z** Alveolo-palatal fricatives

1 Voiced alveolar lateral flap

Simultaneous  $\int$  and X

Affricates and double articulations can be represented by two symbols joined by a tie bar if necessary.

#### VOWELS



Where symbols appear in pairs, the one to the right represents a rounded vowel.

## SUPRASEGMENTALS

I	Primary stre	SS	_founə tı∫ən
1	Secondary s	tress	1-00000000
I	Long	e	
	II.161	Δī	

Minor (foot) group

Extra-short

Major (intonation) group

Linking (absence of a break)

# TONES AND WORD ACCENTS LEVEL CONTOUR

	LEVEL	CONTOUR
ő	or 7 Extra	<b>č</b> or <b>∕</b> Rising
é	High	ê ∖ Falling
ē	- Mid	ĕ 1 High rising
è	Low	è l' Low rising
è	∫ Extra low	ề ↑ Rising-falling
Ţ	Downstep	Global rise
<b>†</b>	Upstep	🔰 Global fall

### DIACRITICS Some diacritics may be placed above a symbol with a descender, e.g. $\check{\mathbf{J}}$

$\overline{}$											
٥	Voiceless	ņ	ģ	••	Breathy voiced	ÿ	a	-	Dental	ţ	ď
_	Voiced	ŝ	ţ	~	Creaky voiced	Ď	a	u	Apical	ţ	d
h	Aspirated	th	$d^{h}$	~	Linguolabial	ţ	ğ	_	Laminal	ţ	₫
,	More rounded	Ş		w	Labialized	$t^{\mathbf{w}}$	$d^{\mathrm{w}}$	~	Nasalized		ẽ
,	Less rounded	Ş		j	Palatalized	t <sup>j</sup>	dj	n	Nasal release		dn
+	Advanced	ų		¥	Velarized	t <sup>y</sup>	dγ	1	Lateral release		d¹
_	Retracted	ę		r	Pharyngealized	$t^{\scriptscriptstyle \Omega}$	d <sup>s</sup>	٦	No audible release	e	d٦
	Centralized	ë		~	Velarized or phary	ngeali	zed	1			
×	Mid-centralized	ě		_	Raised	ę	( <b>J</b> =	voice	ed alveolar fricative	e)	
	Syllabic	ņ		-	Lowered	ę	(β=	voice	ed bilabial approxi	mant	<del>(</del> )
_	Non-syllabic	ĕ		-1	Advanced Tongue	Root	ę				
1	Rhoticity	ð	æ	F	Retracted Tongue	Root	ę				