THE INTERNATIONAL PHONETIC ALPHABET (revised to 2005)

CONSONANTS (PULMONIC)

	Bilabial		Labiodental		Dental		Alveolar		Postalveolar		Retroflex		Palatal		Velar		Uvular		Pharyngeal		Glottal	
Plosive	p	b					t	d			ʈ \textrtailt \:t	ɖ \textrtaild \:d	c	ɟ \textbardotlessj \textbardotlessj	k	g \textscriptg g	q	ɢ \textscg \;G			ʔ \textglotstop P	
Nasal		m		ɱ \textltailm M				n				ɳ \textrtailn \:n		ɲ \textltailn \textltailn		ŋ \textipa{N} N		ɴ \textscn \:N				
Trill		ʙ \textscb \;B						r										ʀ \textscr \;R				
Tap or Flap				ⱱ no command available no command available				ɾ \textfishhookr R				ɽ \textrtailr \:r										
Fricative	ɸ \textphi F	β \textbeta B	f	v	θ \texttheta T	ð \textipa{D} D	s	z	ʃ \textesh S	ʒ \textyogh Z	ʂ \textrtails \:s	ʐ \textrtailz \:z	ç \c{c} \c{c}	ʝ \textctj J	x	ɣ \textgamma G	χ \textchi X	ʁ \textinvscr K	ħ \textcrh \textcrh	ʕ \textrevglotstop Q	h	ɦ \texthth H
Lateral Fricative							ɬ \textbeltl \textbeltl	ɮ \textOlyoghlig \textOlyoghlig														
Approximant				ʋ \textscriptv V				ɹ \textturnr \textturnr				ɻ \textturnrrtail \:R		j		ɰ \textturnmrleg \textturnmrleg						
Lateral Approximant								l				ɭ \textrtaill \:l		ʎ \textturny \textturny		ʟ \textscl \;L						

Where symbols appear in pairs, the one to the right represents a voiced consonant. Shaded areas denote articulations judged impossible.

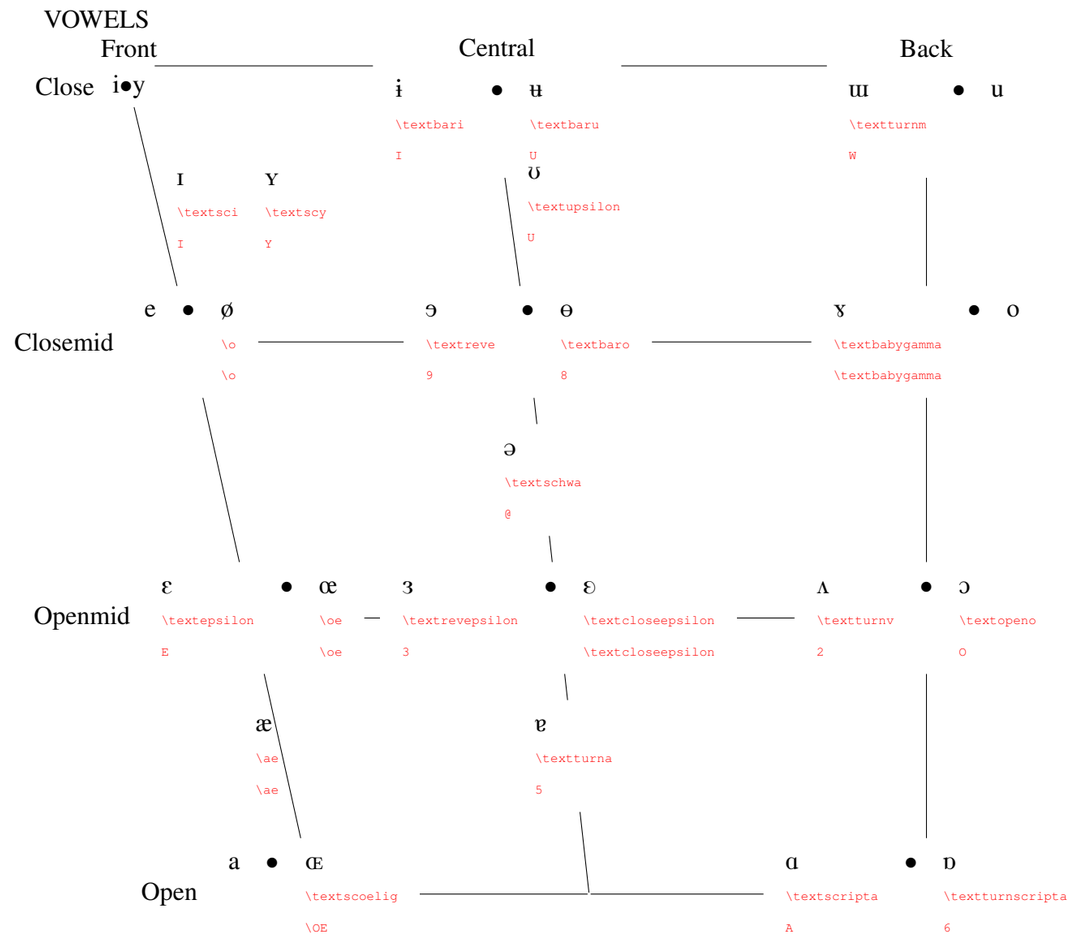
CONSONANTS (NON-PULMONIC)

Clicks		Voiced implosives		Ejectives	
ʘ \textbullseye \!o	Bilabial	ɓ \texthtb \!b	Bilabial	’	Examples:
ǀ \textpipe |	Dental	ɗ \texthtd \!d	Dental	p’	Bilabial
!	(Post)alveolar	ʄ \sout{\textesh} \sout{S}	Palatal	t’	Dental/alveolar
ǂ \textdoublebarpipe \textdoublebarpipe	Palatoalveolar	ɠ \texthtg \!g	Velar	k’	Velar
ǁ \textdoublepipe \\\|	Alveolar lateral	ʛ \texthtscg \!G	Uvular	s’	Alveolar fricative

OTHER SYMBOLS

ʍ \textturnw *w	Voiceless labial-velar fricative	ɕ \textctc C	ʑ \textctz \textctz	Alveolo-palatal fricatives
w	Voiced labial-velar approximant		ɺ \textturnr *r	Voiced alveolar lateral flap
ɥ \textturnh 4	Voiceless labial-palatal approximant	ɧ \texththeng \texththeng		Simultaneous ʃ and x
ʜ \textsch \;H	Voiceless epiglottal fricative			
ʢ \textbarrevglotstop \textbarrevglotstop	Voiced epiglottal fricative	Affricates and double articulations can be represented by two symbols joined by a tie bar if necessary.	k͡p \texttoptiebar{kp} \t{kp}	t͡s \textbottomtiebar{ts} \t*{ts}
ʡ \textbarglotstop \textbarglotstop	Epiglottal plosive			

VOWELS



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

DIACRITICS Diacritics may be placed above a symbol with a descender, e.g. ŋ̊

̥	Voiceless	n̥ \textsubring{n} \r*n	d̥	̤	Breathy voiced	b̤ \textsubumlaut{b} \"*b	a̤	̪	Dental	t̪ \textsubbridge{t} \\\|[t	d̪
̬	Voiced	s̬ \textsubwedge{s} \v*n	t̬	̰	Creaky voiced	b̰ \textsubtilde{b} \~*b	a̰	̺	Apical	t̺ \textinvsubbridge{t} \\\|]t	d̺
ʰ	Aspirated	tʰ t^{h} t\super h	dʰ	̼	Linguolabial	t̼ \textseagull{t} \\\|m{t}	d̼	̻	Laminal	t̻ \textsubsquare{t} \textsubsquare{t}	d̻
̹	More rounded	ɔ̹ \textsubrhalfring{\textopeno} \\\|)O		ʷ	Labialized	tʷ t^{w} t\super w	dʷ	̃	Nasalized	ẽ \~{e} \~{e}	
̜	Less rounded	ɔ̜ \textsublhalfring{\textopeno} \\\|(O		ʲ	Palatalized	tʲ t^{j} t\super j	dʲ	ⁿ	Nasal release	dⁿ d^{n} d\super n	
̟	Advanced	u̟ \textsubplus{u} \\\|+u		ˠ	Velarized	tˠ t^{\textgamma} t\super G	dˠ	ˡ	Lateral release	dˡ d^{l} d\super l	
̠	Retracted	e̠ \textsubbar{e} \=*e		ˤ	Pharyngealized	tˤ t^{\textrevglotstop} t\super Q	dˤ	̚	No audible release	d̚ d\textcorner d\textcorner	
̈	Centralized	ë \"{e} \"{e}		̴	Velarized or pharyngealized			ɫ \textsuperimposetilde{l} \\\|~{l}			
̽	Mid-centralized	e̽ \textovercross{e} \\\|x{e}		̝	Raised	e̝ \textraising{e} \\\|'{e}		(ɹ̝ = voiced alveolar fricative)			
̩	Syllabic	n̩ \textsyllabic{n} \s{n}		̞	Lowered	e̞ \textlowering{e} \\\|`{e}		(β̞ = voiced bilabial approximant)			
̯	Non-syllabic	e̯ \textsubarch{e} \textsubarch{e}		̘	Advanced Tongue Root	e̘ \textadvancing{e} \\\|<{e}					
˞	Rhoticity	ə˞ \textschwa\textrhoticity \textschwa\textrhoticity	a˞	̙	Retracted Tongue Root	e̙ \textretracting{e} \\\|>{e}					

SUPRASEGMENTALS

ˈ \textprimstress "	Primary stress	
ˌ \textsecstress ""	Secondary stress	ˌfoʊnəˈtɪʃən \textsecstress fo\textupsilon n\textschwa\textprimstress t\textsci\textesh\textschwa n "" fo\textupsilon n\textschwa\textprimstress t\textsci\textesh\textschwa n
ː	Long	eː e\textlengthmark e:
ˑ	Half-long	eˑ e\texthalflength e;
̆	Extra-short	ĕ \u{e} \u{e}
|	Minor (foot) group	
\textvertline \textvertline		
‖	Major (intonation) group	
\textdoublevertline \textdoublevertline		
.	Syllable break	ɹi.ækt \textturnr i.\ae kt \textturnr i.\ae kt
‿	Linking (absence of a break)	
\textbottomtiebar{} \t*{}		

TONES AND WORD ACCENTS

LEVEL

ȅ or \H{e}	˥ \tone{55}	Extra high
é \'{e}	˦ \tone{44}	High
ē \={e}	˧ \tone{33}	Mid
è \`{e}	˨ \tone{22}	Low
ȅ \textdoublegrave{e}	˩ \tone{11}	Extra low
ꜜ \textdownstep	Downstep	
ꜛ \textupstep	Upstep	

CONTOUR

ȁ or \v{e}	˩˥ \tone{15}	Rising
ê \^{e}	˥˩ \tone{51}	Falling
ế \texthighrise{e}	˧˥ \tone{45}	High rising
ȅ̀ \textlowrise{e}	˩˨ \tone{12}	Low rising
ȅ̂ \textrisefall{e}	˦˥˦ \tone{454}	Rising-falling
↗ \textglobrise	Global rise	
↘ \textglobfall	Global fall	