

# Grammar with Phonetic Spellings

## About

This page describe how to define a grammar with phonetic spellings. You can specify phonetic spelling in BNF and XML grammars. The phonetics spellings depend on the language use. You have to use the phoneme symbols of the language.

Vestec give a some documentations to write grammars. Their are located in /usr/share/doc/Vestec/vasre/

## Grammar Examples

Here is an example of phonetic use : The name "Tkocz" is pronounce in french : tecoach. The grammar can be written like this :

```
<item>Dominique "{t @ s o t S:Tkocz}"<tag>out='Dominique Tkocz';
</tag></item>
<item>"{t @ s o t S:Tkocz}"<tag>out='Tkocz'; </tag></item>
```

## French phoneme list

This list come from Vestec : /usr/share/doc/Vestec/vasre/phoneme\_list\_fr-FR

Phoneme	Example	Transcription
@	le	l @
A	afin	A f e~
E	airbus	E r b y s
G	heure	G r
G~	une	G~ n
H	huile	H i l
J	besogne	b @ z 0 J
N	meeting	m i t i N
O	homme	0 m
S	chose	S o z
T	euro	T r o
Z	je	Z @
a	âge	a Z
a~	enfin	a~ f e~
b	bien	b j e~
d	de	d @
e	effectivement	e f E k t i v @ m a~
e~	impose	e~ p o z

f	film	f i l m
g	gaspillage	g A s p i j A Z
h	oui	h w i
i	il	i l
j	youyou	j u j u
k	que	k @
l	lui	l H i
m	me	m @
n	ne	n @
o	autre	o t r
o~	ombre	o~ b r
p	pour	p u r
r	dire	d i r
s	ce	s @
t	tu	t y
u	outil	u t i
v	venir	v @ n i r
w	oindre	w e~ d r
y	sur	s y r
z	zone	z o n

## American phoneme list

This list come from Vestec : /usr/share/doc/Vestec/vasre/phoneme\_list\_en-US

Phoneme	Example	Transcription
aa	archive	aa r k ay v
ae	aptitude	ae p t ah t uw d
ah	upgrade	ah p g r ey d
ao	off	ao f
aw	out	aw t
ay	isolate	ay s ah l ey t
b	bus	b ah s
ch	change	ch ey n jh
d	duck	d ah k
dh	they	dh ey
eh	end	eh n d
er	urgency	er jh ah n s iy
ey	angel	ey n jh ah l
f	forum	f ao r ah m
g	gap	g ae p
hh	hive	hh ay v
ih	infant	ih n f ah n t
iy	email	iy m ey l
jh	joke	jh ow k
k	clue	k l uw
l	luck	l ah k

m	mouth	m aw th
n	noodle	n uw d ah l
ng	drink	d r ih ng k
ow	open	ow p ah n
oy	oiling	oy l ih ng
p	put	p uh t
r	rim	r ih m
s	some	s ah m
sh	shy	sh ay
t	tag	t ae g
th	thank	th ae ng k
uh	book	b uh k
uw	food	f uw d
v	void	v oy d
w	worm	w er m
y	you	y uw
z	zoo	z uw
zh	leasure	l eh zh er

## Spanish phoneme list

This list come from Vestec : /usr/share/doc/Vestec/vasre/phoneme\_list\_es-ES

Phoneme	Example	Transcription
=====		
B	sabe	s a B e
D	tarde	t a r D e
G	fuego	f w e G o
J	año	a J o
L	allí	a L i
N	nunca	n u N k a
T	zona	T o n a
a	abajo	a B a x o
b	boca	b o k a
d	dedo	d e D o
e	entrar	e n t r a r
f	flor	f l o r
g	ganar	g a n a r
i	incluir	i N k l w i r
j	rey	rr e j
jj	suya	s u jj a
k	cabo	k a B o
l	libre	l i B r e
m	madre	m a D r e
n	nombre	n o m b r e
o	oír	o i r
p	par	p a r
r	pero	p e r o
rr	rico	rr i k o

s	saber	s a B e r
t	tal	t a l
tS	chica	tS i k a
u	unir	u n i r
w	pues	p w e s
x	junto	x u n t o
z	cosmos	k o z m o s

## Online documents

- [W3C grammar](#)
- [Lumenvox examples](#)

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