

## PROPOSAL FOR STRUCTURAL CHANGES TO SLOTS I, V, AND VII (Nov. 10, 2020)

Per my previously communicated idea to shorten formatives with default  $C_A$  value **-al-** (UPX/DEL/CSL/M/NRM) by one syllable, the following changes to Slots I, V, and VII are proposed. Additionally, in regard to Slot VII for Complex Formatives, three separate proposed structures are presented. Hopefully, the community will provide a consensus on which of the structures is preferable.

### Proposed Slot I $C_D$ Changes

Version for incorporated roots would no longer be shown in Slot I. Instead, Slot I will now provide an optional shortcut to the default  $C_A$  value **-al-** (UPX/DEL/CSL/M/NRM). If this shortcut is used, then the Slot VII+IX  $Vr+C_A$  form **-al-** is elided. Note that the previous phonological values of **-w-** and **-y-** have been eliminated from Slot I and several new values (**-hrw-**, **-hry-**, **-hnw-**, **-hny-**) have been added.

		—	Slot II contains alt. $V_F$	Slot III affix(es) present	Slot III affix(es) present + Slot II contains alt. $V_F$
<b>Type-1 Incorporation</b>	<b>default</b>	h	hl	hlw	hly
	<b>Slot IX <math>C_A</math> form -al- is elided</b>	hw	hr	hrw	hry
<b>Type-2 Incorporation</b>	<b>default</b>	ç	hm	hmw	hmy
	<b>Slot IX <math>C_A</math> form -al- is elided</b>	çw	hn	hnw	hny

### Proposed Slot V $V_V$ Changes

As before, Slot V functions differently depending on whether the formative is a Simple formative versus a Complex formative. For Simple formatives, the slot indicates Stem, Version, and Context (plus optional shortcut for the  $DEV_1/1$  affix). Additionally, Slot V in a Simple formative may optionally be prefixed by the new  $C_C$  infix, which indicates that the Slot VII+IX  $Vr+C_A$  default form **-al-** (UPX/DEL/CSL/M/NRM) or **-as-** (UPX/DEL/CSL/M/PRX) have been elided (in order to shorten the formative by one syllable).

**Slot V V<sub>v</sub> Values for Simple Formatives: Stem, Version, and Context of Main Root (plus optional C<sub>c</sub> infix indicating a Slot VII+IX V<sub>r</sub>+C<sub>A</sub> shortcut)**

Optional C <sub>c</sub> = elision of Slots VII+IX V <sub>r</sub> +C <sub>A</sub> where...	
V <sub>R</sub> +C <sub>A</sub> = -al- (UPX/DEL/CSL/M/NRM)	(w)
V <sub>R</sub> +C <sub>A</sub> = -as- (UPX/DEL/CSL/M/PRX)	(y)

+

Stem	Version	CONTEXT				CONTEXT + short-cut for DEV <sub>1</sub> /1 affix			
		EXS	FNC	RPS	AMG	EXS	FNC	RPS	AMG
Stem 1	PRC	(a)	ai	ia / oä	ao	awa	awi	iwa	awo
	CPT	ä	au	iä / uä	ae	äwä	awu	iwä	awe
Stem 2	PRC	e	ei	ie / oë	ea	ewe	ewi	iwe	ewa
	CPT	i	eu	ië / uë	eo	iwi	ewu	iwë	ewo
Stem 3	PRC	u	ui	ua / aö	oa	uyu	uwi	uya	owa
	CPT	ü	iu	ue / eö	öa	üwü	iwu	uye	öwa
Stem 0 *	PRC	o	oi	uo / io	oe	owo	owi	uyo	owe
	CPT	ö	ou	uö / iö	öe	öwö	owu	uyö	öwe

For Complex Formatives the slot specifies the following information for the incorporated root: Stem, Version, Function, and Specification. This structure remains unchanged from version 0.16 of the Design Document.

**Slot V V<sub>v</sub> values for Complex Formatives: Stem, Function, Specification, and Function of Incorporated Root**

Stem of Incorp. Root	Version of Incorp. Stem	Specification of Inc. Stem				Specification of Inc. Stem + DYN Version of Inc. Stem			
		BSC	CTE	CSV	OBJ	BSC	CTE	CSV	OBJ
Stem 1	PRC	a	ai	ia	ao	awa	awi	iwa	awo
	CPT	ä	au	iä	ae	äwä	awu	iwä	awe
Stem 2	PRC	e	ei	ie	ea	ewe	ewi	iwe	ewa
	CPT	i *	eu	ië	eo	iwi	ewu	iwë	ewo
Stem 3	PRC	u	ui	ua	oa	uyu	uwi	uya	owa
	CPT	ü	iu	ue	öa	üwü	iwu	uye	öwa
Stem 0	PRC	o	oi	uo	oe	owo	owi	uyo	owe
	CPT	ö	ou	uö	öe	öwö	owu	uyö	öwe

## Proposed Slot VII V<sub>R</sub> Changes

As before, this Slot functions differently depending on whether the formative is a Simple formative versus a Complex formative.

**Slot VII for Simple Formatives:** The slot indicates Function and Specification. Additionally optional shortcuts for the DCD<sub>1</sub>/4, DCD<sub>1</sub>/5, and NEG<sub>1</sub>/4 affixes are now provided.

### Slot VII V<sub>R</sub> values for Simple Formatives

Function	Specification	(Stem shown in Slot V)	Optional Affix Short-Cuts		
			DCD/4	DCD/5	NEG/4
STA	BSC	a	ai	ia	ao
	CTE	ä	au	iä	ae
	CSV	e	ei	ie	ea
	OBJ	i *	eu	ië	eo
DYN	BSC	u	ui	ua	oa
	CTE	ü	iu	ue	öa
	CSV	o	oi	uo	oe
	OBJ	ö	ou	uö	öe

**Slot VII for Complex Formatives:** For complex formatives, Slot VII indicates the following information for the main root: Function, Specification, and Stem. However, I can't decide which of the following structures to use.

The first alternative parallels the Function and Specification structure of the Slot VII Simple Formative table immediately above, at the expense of showing the Main root's stem via the first four columns of the Standard Vowel-Sequence:

Slot VII V<sub>R</sub> values for Complex Formatives [Alternative No. 1]

Function of Main Root	Specification of Main Root	Stem of Main Root			
		Stem 1	Stem 2	Stem 3	Stem 0 *
STA	BSC	a	ai	ia	ao
	CTE	ä	au	iä	ae
	CSV	e	ei	ie	ea
	OBJ	i *	eu	ië	eo
DYN	BSC	u	ui	ua	oa
	CTE	ü	iu	ue	öa
	CSV	o	oi	uo	oe
	OBJ	ö	ou	uö	öe

The second proposed Slot VII Complex Formative structure parallels the Stem and Specification structure of the Slot V Complex Formative table shown earlier, at the expense of showing the Main root's Function vertically in lieu of Version:

Slot VII V<sub>R</sub> values for Complex Formatives [Alternative No. 2]

Stem of Main Root	Function of Main Root	Specification of Main Root			
		BSC	CTE	CSV	OBJ
Stem 1	STA	a	ai	ia	ao
	DYN	ä	au	iä	ae
Stem 2	STA	e	ei	ie	ea
	DYN	i	eu	ië	eo
Stem 3	STA	u	ui	ua	oa
	DYN	ü	iu	ue	öa
Stem 0	STA	o	oi	uo	oe
	DYN	ö	ou	uö	öe

For Complex Formatives:

- **CPT Version** of Main Stem is shown by adding a glottal-stop to Slot VII vowel, as per the rules in Sec. 1.7 and (if Slot VIII is empty) Sec. 3.9.1.
- Non-**EXS** Context shown by using **Context C<sub>N</sub>** values in Slot XI, or via the **NCD** or **NCE** affixes.

For the sake of thoroughness, a third possibility exists as well; this alternative parallels the Stem and Specification structure of the Slot V Complex Formative table shown earlier, at the expense of showing the Main root's Function vertically in lieu of Version. However, I do not recommend this third version, because DYN Function is a more commonly occurring parameter than CPT Version, meaning that the glottal-stop (or Sec. 3.9.1-regulated substitute consonantal conjunct) would be a common occurrence.

**Slot VII V<sub>R</sub> values for Complex Formatives [Alternative No. 3]**

Stem of Main Root	Version of Main Root	Specification of Main Root			
		BSC	CTE	CSV	OBJ
Stem 1	PRC	a	ai	ia	ao
	CPT	ä	au	iä	ae
Stem 2	PRC	e	ei	ie	ea
	CPT	i	eu	ië	eo
Stem 3	PRC	u	ui	ua	oa
	CPT	ü	iu	ue	öa
Stem 0	PRC	o	oi	uo	oe
	CPT	ö	ou	uö	öe

**For Complex Formatives:**

- **DYN Function** of Main Stem is shown by adding a glottal-stop to Slot VII vowel, as per the rules in Sec. 1.7 and (if Slot VIII is empty) Sec. 3.9.1.
- Non-EXS Context shown by using **Context C<sub>N</sub> values** in Slot XI, or via the **NCD** or **NCE** affixes.