

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
Type-1 Incorporation	default	h	hl	hlw	hly
	Slot IX C_A form -al- is elided	hw	hr	hrw	hry
Type-2 Incorporation	default	ç	hm	hmw	hmy
	Slot IX C_A form -al- is elided	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_v Values for Simple Formatives: Stem, Version, and Context of Main Root (plus optional C_c infix indicating a Slot VII+IX V_r+C_A shortcut)

Optional C _c = elision of Slots VII+IX V _r +C _A where...	
V _R +C _A = -al- (UPX/DEL/CSL/M/NRM)	(w)
V _R +C _A = -as- (UPX/DEL/CSL/M/PRX)	(y)

+

Stem	Version	CONTEXT				CONTEXT + short-cut for DEV ₁ /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_v 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_R 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 DCD₁/4, DCD₁/5, and NEG₁/4 affixes are now provided.

Slot VII V_R 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_R 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_R 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_N** 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 having to show DYN Function via the Slot VII glottal-stop. I myself do not prefer 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_R 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_N** values in Slot XI, or via the **NCD** or **NCE** affixes.