

## Spelling of verbal compounds

This document outlines the spelling rules of verbal compounds in CLL (Coptic Lemma List).

### 1. Theory

Members of verbal compounds possess the following features:

Verb	Connector	Noun phrase
Status absolutus	Ø / ɲ / ɲ / ɛ / ɛɲ	Noun (non-possessed):
Status nominalis		Ø + Noun
Status nominalis = absolutus		Article + Noun
Participium Coniunctum		Possess. + Noun
		Noun (possessed):
		Noun + Ø
		Noun + Possess.

Spelling of verbal compounds in CLL is determined by the verbal status:

- Verbs in bound state are treated as morphemes, forming one lexical unit with the following word and are thus written together<sup>1</sup>. Verbs in status absolutus are treated as separate lexical units and are written separately. Compounds, where status nominalis = status absolutus, are treated as bound forms (morphemes) if not followed by a connector (ɲ / ɲ / ɛ / ɛɲ).

Noun phrases, attached to the verb, constitute an additional challenge. Compounds usually get fossilized according to the Stern-Jernstedt rule, which states that durative tenses use different constructions depending on the specificity of the direct object:

- only non-specific nouns can be directly attached to the preceding verb;
- if noun is specific, the periphrastic construction with ɲ-/ɲɲ= should be used

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<sup>1</sup> Example: ɲɲ-ɲɲ ɲɲ

Marker			
Bound group	(blank)		
Lexical unit	(pipe)		
Morpheme	- (hyphen)		
bound group		bound group	
lexical unit	lexical unit		lexical unit
morpheme	morpheme	morpheme	morpheme
ɲɲ	ɲ-	ɲɲ	ɲɲ

Specificity of the noun can be expressed:

- explicitly: nouns are accompanied by definite /indefinite article, demonstrative pronoun, possessive pronouns or other specifiers ( e.g.  $\mu\mu$ );
- implicitly: implicitly specific are possessed nouns and proper names<sup>2</sup>.

Most compounds in CLL meet Stern-Jernstedt rule, as illustrated by the following examples:

$\dagger\mu\epsilon\epsilon\gamma\epsilon$	vs.	$\dagger\mu\mu\mu\epsilon\epsilon\gamma\epsilon$	“suggest, remind”
$\dagger\epsilon\rho\theta\omicron\tau$	vs.	$\dagger\mu\omicron\gamma\epsilon\rho\theta\omicron\tau$	“wound”
$\sigma\iota\beta\epsilon\chi\epsilon$	vs.	$\chi\iota(\mu\mu)\beta\epsilon\chi\epsilon$	“receive wage”
$\sigma\pi\rho\alpha\tau\approx$	vs.	$\sigma\omega\rho\ \mu\rho\alpha\tau\approx$	“spread feet (urinate)”
$\rho\mu\alpha\epsilon\iota\mu$	vs.	$\rho\epsilon\varphi\epsilon\iota\rho\epsilon\ \mu\mu\mu\alpha\epsilon\iota\mu$	“be marked, remarkable”
$\kappa\alpha\epsilon\omicron\gamma\omega\ \epsilon\varrho\rho\alpha\iota$	vs.	$\kappa\omega\ \mu\epsilon\gamma\omega$	“deposit as pledge/curse”
		$\kappa\eta\ \epsilon\pi\omega\omega$ (Qual.)	“lying, being in sandy condition (of wasteland)”

There are a number of cases, though, where bound forms are accompanied by explicitly or implicitly specific nouns, violating Jernstedt rule:

- Verb (st. nom.) + possessed noun:

$\sigma\mu\rho\alpha\tau\approx$	“search”
$\varrho\iota\tau\omicron\omicron\tau\approx$	“begin”
$\mu\epsilon\varrho\varrho\eta\tau\approx$	“fill belly”

- Verb (st. nom.) + article + noun:

ῥῥικε		“do (another thing)”	
ῥῥωβω		“be forgetful”	
ῥῥῶοτ		“be like”	
σμπογοειω	vs.	ζε επογοειω (proper durative)	“find time”,
†πογοι, †πεφογοι	vs.	† μπογοι (proper durative)	“go forward”
χιπογω	vs.	χιογω (proper durative)	“bring news, announce”
καμμα	vs.	καμα (proper durative)	“give opportunity”

- Verb (st. nom.) + compound preposition:

$\rho\varrho\lambda\chi\omega\approx$	“go toward”
$\rho\varrho\iota\chi\mu-$	“be over” etc.

<sup>2</sup> Jernstedt: „Der Gebrauch des Absolutus ist im Präsensstamm obligatorisch, a) wenn das Objekt, sei’s äußerlich, sei’s an sich determiniert ist, und b) wenn das Objekt mit unbestimmten Artikel ist“.

We call such compounds “multiwords”, as nouns (including compound prepositions which derive from possessed nouns) are not morphemes, but separate lexical units. For the purpose of cross-reference such compounds get special tagging: each lexical unit within “multiword” is listed separately: <orth> ζεπογω </orth> <oRef> ζε π ογω </oRef> “inquire”.

## 2. Types of verbal compounds

Below is the overview of the types verbal compounds attested in CLL. Cases, which require special tagging (“multiwords”), are marked bold. A number of examples is provided for each type of compounds in the table with the current and the suggested spelling (+ tagging ).

### 2.1 Compounds written together:

Verb	Connector		NP	
		<b>ext.</b>	<b>Noun<sup>3</sup></b>	
(1) Verb (st. nom.)	+ Ø	+ Ø	+ Noun (nonP)	-> proper durative
(2) Verb (st. nom = abs.)	+ Ø	+ Ø	+ Noun (nonP)	-> proper durative
(3) Verb (st. nom.)	+ Ø	+ Ø	+ Noun (Pa)	-> proper durative
(4) Verb (st. nom = abs.)	+ Ø	+ Ø	+ Noun (Pa)	-> proper durative
<b>(5) Verb (st. nom.)</b>	<b>+ Ø</b>	<b>+ Ø</b>	<b>+ Noun (Pc)</b>	<b>-&gt; not possible in durative (specific)<sup>4</sup></b>
<b>(6) Verb (st. nom. = abs.)</b>	<b>+ Ø</b>	<b>+ Ø</b>	<b>+ Noun (Pc)</b>	<b>-&gt; not possible in durative (specific)</b>
<b>(7) Verb (st. nom.)</b>	<b>+ Ø</b>	<b>+ Art.</b>	<b>+ Noun</b>	<b>-&gt; not possible in durative (specific)<sup>5</sup></b>
<b>(8) Verb (st. nom. = abs.)</b>	<b>+ Ø</b>	<b>+ Art.</b>	<b>+ Noun</b>	<b>-&gt; not possible in durative (specific)<sup>6</sup></b>
(9) Verb (st. nom.)	+ compound preposition <sup>7</sup>			-> proper durative (?) <sup>8</sup>
(10) Verb (st. nom.)	+ compound preposition <sup>9</sup>			-> proper durative (?) <sup>10</sup>
(11) Verb (st. nom.)	+ n/m/e/en	+ Ø	+ Noun (nonP)	-> not a proper durative <sup>11</sup>

Construction		Current CLL spelling	Suggested spelling + tagging
(1) Verb (st. nom.) + e.g. σν, ζι, ζλ, ων, π, ογν/ην	Ø + Ø + Noun (non-possessed)	σνσν “be able (to do)” σνλιν “gain power” σνζηγ “find profit” ογνσσν/ ογνωσν (ηνω=) “be able”	<orth>σνλιν</orth>

<sup>3</sup> Noun types: “nonP”: non-possessed noun; “Pa”: possessed noun in absolute form; “Pc: possessed noun in construct form

<sup>4</sup> Layton Grammar §171a, §329

<sup>5</sup> Should be “N st. abs. + ñ + N” in durative tense

<sup>6</sup> Should be “N st. abs. + ñ + N” in durative tense

<sup>7</sup> Preposition + Ø + Noun (Pc)

<sup>8</sup> Layton Grammar §171a

<sup>9</sup> Preposition + Ø + Noun (Pc) + n + Noun

<sup>10</sup> Layton Grammar §171a

<sup>11</sup> Connector (n/m/e/en) not necessary

		ΜΗΘΟΗ/ Μ(Η)ΝΩΘΟΗ (ΜΗΘ=) “be unable” ΑΝΩΤΗΥ “take a breath” ΕΡΕΝΩΔΩ “be bitter” # ΕΝΩΔΩ <sup>12</sup>	
(2) Verb (st. nom. = st. abs.) + e.g. ΔΙ, †, ΖΕ, ΒΩΛ	Ø + Ø + Noun (non-possessed)	†ΖΗΥ “benefit” ΔΙΘΙΧ “embrace” <sup>13</sup> †ΚΩΖΤ “set on fire” ΒΩΛΩΤΩΡΕ ΕΒΟΛ “dissolve a guarantee” ΚΙΖΟΕΙΜ “throw up waves, be agitated”	<orth>†ΖΗΥ</orth>
(3) Verb (st. nom.) + e.g. ΓΝ, ΖΙ, ΖΛ, ΩΝ, Ρ, ΟΥΝ/ΜΝ	Ø + Ø + Noun (possessed, absolute form)	ΩΝΖΗΤ “pity” ΡΖΗΤ “regret”	<orth>ΩΝΖΗΤ</orth>
(4) Verb (st. nom. = st. abs.) + e.g. ΔΙ, †, ΖΕ	Ø + Ø + Noun (possessed, absolute form)	†ΖΟ “look”, “beseech” ΔΙΖΟ “respect” ΔΙΡΑΝ “take name” ΚΙΤΟΟΤ “raise (hand), begin” ΚΙΖΗΤ “take heart, delight” ΩΛΚΩΔ “turn up nose, sneer”	<orth>†ΖΟ</orth>
(5)  Verb (st. nom.) +  e.g. ΓΝ, ΖΙ, ΖΛ, ΩΝ, Ρ, ΟΥΝ/ΜΝ	Ø+ Ø+ Noun (possessed) +Suff.	Ν ΡΑΤ= “bring, follow foot, trace” ΣΝ ΡΑΤ= “find foot, base, search” ΚΑ ΡΑΤ= “lay, set foot” ΡΡ ΡΑΤ= “spread feet (piss)”	<orth>ΝΡΑΤ</orth> <oRef>ΝΡΑΤ</oRef>
		ΣΗΝ ΤΟΟΤ= ΜΗΝ- “lay hand with, agree with” ΕΙΔ ΤΟΟΤ= ΝCΑ- “verzichten auf” ΖΙ ΤΟΟΤ= “lay hand, begin, attempt” ΔΤΚΑ ΤΟΟΤ= ΕΒΟΛ “continuous, incessant” Ω(Ε)Π ΤΟΟΤ= “grasp hand, greet” ΜΕΖ ΤΟΟΤ= “fill hands, lay hold on”	<orth>ΖΙΤΟΟΤ= </orth> <oRef>ΖΙ ΤΟΟΤ= </oRef>
		ΣΗΝ ΕΙΔΤ= ΕΞΝ- “fix eyes upon” ΚΤΕ ΕΙΔΤ= “look round, turn eye” ΤΟΥΝ(Ε) ΕΙΔΤ= ΕΒΟΛ “instruct, inform” ΝΑ (Ε)ΙΔΤ= “blessed is” # ΝΑΔ- ΕΙΔ ΤΟΟΤ= ΝCΑ- “be desperate” # ΕΙΩ	<orth>ΚΤΕΕΙΔΤ= </orth> <oRef>ΚΤΕ ΕΙΔΤ= </oRef>
		ΚΑ ΡΩ= / ΧΑ ΡΩ= “be silent” ΜΕΖ ΡΩ= “fill mouth” ΔΕΚ ΡΩ= “fill mouth, satisfy”	<orth>ΜΕΖΡΩ= </orth> <oRef>ΜΕΖ ΡΩ= </oRef>

<sup>12</sup> (CD 376b)

<sup>13</sup> Bodypart, but not possessed

		ἄγε πῖνῃ “pronounce name”	<orth> ἄγε πῖνῃ </orth> <oRef> ἄγε πῖνῃ </oRef>
		μέλ γητῆ “fill belly”	<orth> μέλ γητῆ </orth> <oRef> μέλ γητῆ </oRef>
(6)  Verb (st. nom. = st. abs.) + e.g. ἄλ, ἴ, ἔε	Ø + Ø + Noun (possessed) + Suff.	ἄλ πατῆ “hold foot, impede”	<orth> ἄλ πατῆ </orth> <oRef> ἄλ πατῆ </oRef>
		ἄλ τοοτῆ “receive a promise” γῖτοοτῆ “raise (hand), begin” ῶ(ε)π τοοτῆ “greet, promise”	as above
		ἄλ παῶ / σῖ παῶ “deprive, prevent” ἴ παῶ “give word, promise”	as above
		ἄλ ἑπαῶ “amuse, occupy oneself”	as above
		ἴπην “give name, call”	as above
		ἴ τοῦω “turn away”	as above
(7)  Verb (st. nom.) + e.g. ὄν, ἔλ, ἑλ, ὦν, π, οὔν/μήν	Ø + Art. + Noun (non-possessed)	ὄν ὅε “find means” <sup>14</sup> πῖκε- “do also” πῖνα “do charity” καπῖνα “allow place, give opportunity” ἄεμ(π)ρῖτ “find means” πῖρωῶ “be, do enough” ὄμπογοῶ “find time” πῖωβῶ “be forgetful”	<orth>ὄν ὅε</orth> <oRef>ὄν τ ἑε</oRef>
(8)  Verb (st. nom. = st. abs.) + e.g. ἄλ, ἴ, ἔε, βῶλ	Ø + Art. + Noun (non-possessed)	ὄντ ποῶι “act of going” ἑε ποῶ “inquire” ἴ πῖωῆτ “set on fire” ἴ ποῶι “go forward”	<orth> ἑε ποῶ </orth> <oRef> ἑε π οῶ </oRef>
(9)  Verb (st. nom.) + e.g. ὄν, ἔλ, ἑλ, ὦν, π, οὔν/μήν	compound preposition (Prep. + Ø + Noun (pre-personal state))	π ἑλῶ “go toward”	<orth> π ἑλῶ </orth> <oRef> π ἑλῶ </oRef>
(10)  Verb (st. nom.) + e.g. ὄν, ἔλ, ἑλ, ὦν, π, οὔν/μήν	compound preposition (Preposition + Ø + Noun + ἡ )	π ἑλῶ “be over” π ἑλῶ “be over”	<orth> π ἑλῶ </orth> <oRef> π ἑλῶ </oRef>
(11) Verb (st. nom.)	ἡ/ἡ/ἑ/ἑ + Ø +	ἑρ νᾶτῶτ νᾶτ	<orth> ἑρ νᾶτῶτ νᾶτ

<sup>14</sup> ἑλ as non-possessed noun in abstract meaning “Art und Weise”

	Noun (non-possessed)	“disagree”	<orth> <oRef> ἐρ ἡδ' ὁδὸν ἡγῆται <oRef>
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## 2.2 Compounds written separately:

Verb	Connector	ext.	NP Noun	
1) Verb (st. abs.)	+ ἡ/ἡ/ἡ/ἡ	+ Art.	+ Noun (nonP)	-> proper durative
2) Verb (st. abs.)	+ ἡ/ἡ/ἡ/ἡ	+ Ø	+ Noun (Pc)	-> proper durative
3) Verb (st. abs.)	+ Prep. / Adv.			-> proper durative
4) Verb (st. abs.)	+	+ Ø	+ Noun (nonP)	-> not a proper durative <sup>15</sup>
5) Verb (st. abs.)	+ Ø	+ Poss.	+ Noun (nonP)	-> not a proper durative <sup>16</sup>
6) Verb (st. abs.)	+ ἡ/ἡ/ἡ/ἡ	+ Ø	+ Noun (Pc)	-> proper durative

Construction		Examples		Suggested spelling
(1)				
Verb (st. abs. ) +	n/m/e/en + Art. + Noun (non-possessed)	† μπιμωιτ † νογσινωια † επογωαπ † επωτε q1 nταπε ze επογοειω	“give way” “take vengeance” “lend” “pay ransom” “behead” vs. qiaπε “find time”	<orth>† μπιμωιτ</orth>
(2)				
Verb (st. abs. ) +	n/m/e/en + Ø + Noun (possessed)	μογζ νειατς † μιατς тсабо νειατς εβολ q1 νειατς εζpai	“look intensely” “see, observe” “instruct, inform” “raise eye”	<orth> † μιατς 

<sup>15</sup> Status nominalis required

<sup>16</sup> Status nominalis required

Verb (st. abs.) +	possessed)	κωωρε καθ	guarantee” “cut, gather reeds”	ωτωρε εβολ </orth>
(5)  Verb (st. abs.) +	+Ø + Poss. + Noun (non-possessed)	cite νεφογελλε	„recitate one's poetry“	<orth> cite νεφογελλε </orth> <oRef> cite νεφ ογελλε </oRef>
(6)  Verb (st. abs.)	+ n/n/ε/ει + Noun (possessed) + Suff.	σνον νλω † νιατ ωρε ερατ † ερατ † ντοοτ ταρο ερατ	“obey” “observe” “stand on foot” “put on foot” “give a hand, help” set on feet, establish	<orth> σνον νλω </orth>

### 2.3 Participium coniunctum + Noun (written together)

1. Verb (partic. con.)	+ Ø + Noun	xacixHT “arrogant” xaxlakp “hard-cornered” xaxmoeyT “difficult” xaxbwn “wrongdoer” maicbw “knowledgable” macnoyTe “God-bearing (of Virgin)” macmatoi “young soldier” macnopK “mule” mecynni “born in the house” φαρφεπι “wizard, exorcist” <sup>17</sup> man6amoyλ, manepip, manecooY #moone “camel, swine, sheep herder” cayhpi “wine-drinker” axxiP “greedy” # ωqe "auspressen" xaioc “sickle-bearer” axipi “diligent” #axai>viel sein caqzHT “defiled in heart” qaiwine “messenger” patqW “hairy” qataq “butcher“ #qawT” ->schlachten bawepwne “boaster” #baawe be foolish taibeke “wage giver” #† xaiibeke “wage-taker” #x1 qoyhocTe “deserving to be	<orth> xacixHT orth>
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<sup>17</sup> Adj. Participium conjunctum (φοριεp open, loosen) + ιp Dämon

		ἡγεμῶν σακτοποιῶν	hated” “leader, guide” “sack-weaver”	
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