

2. Phonology: the sound system

2.1. Consonants and vowels

Icétôd has an array of thirty CONSONANTS and nine VOWELS. These are presented in Table 2.1 below. In the first column are shown the alphabetic letters used to represent the sounds. The second column shows the phonetic symbol for the sound used by the International Phonetic Alphabet (IPA). Then in the third column, an approximate English equivalent is given in bold typeface, or an explanation of how the sound is made if there is no English approximation:

Table 2.1: Icétôd sound inventory

Alphabetic	Phonetic	English equivalent
Aa	[a]	as in ‘father’
Bb	[b]	as in ‘boy’
B̥b̥	[b̥]	as an English b but with air sucked in
Cc	[tʃ]	as in ‘child’
Dd	[d̥]	as in ‘daughter’
D̥d̥	[d̥]	as an English d but with air sucked in
Dzdz	[d͡z]	as in ‘adze’
Ee	[e]	as in ‘bait’ with a shorter, crisper sound
ƐƐ	[ɛ]	as in ‘bet’
Ff	[f]	as in ‘food’
Gg	[g]	as in ‘good’
Hh	[h]	as in ‘happy’
H’yhy	[h̥]	as an English h but with a raspy sound
Ii	[i]	as in ‘beat’ with a shorter, crisper sound
Īī	[ɪ]	as in ‘bit’
Jj	[d͡ʒ]	as in ‘joy’
J’j	[ʃ]	as a dy sound but with air sucked in
Kk	[k]	as in ‘karma’
Ƙƙ	[kʰ]	1) as an English k with a popping release
	[g̊]	2) as an English g with air sucked in
Ll	[l]	as in ‘love’

Mm	[m]	as in ‘ man ’
Nn	[ɲ]	as in ‘ n ature’
Ŋŋ	[ɲ]	as in ‘ on ion’
Ōŋ	[ŋ]	as in ‘ sing ’
Oo	[o]	as in ‘ boat ’ with a shorter, crisper sound
Ɔɔ	[ɔ]	as in ‘ bought ’
Pp	[p]	as in ‘ p lay’
Rr	[ɾ]	1) as a Spanish or Swahili flapped r
	[r]	2) as a Spanish or Swahili trilled r
Ss	[s]	as in ‘ sorrow ’
Tsts	[ts]	as in ‘ blitz ’
Ts’ts’	[ts’]	as an English ts/tz with a hissing release
Tt	[t̪]	as in ‘ terror ’
Uu	[u]	as in ‘ boot ’
Ʋu	[ʊ]	as in ‘ put ’
Ww	[w]	as in ‘ wonder ’
Xx	[ʃ]	as in ‘ sh oulder’
Yy	[j]	as in ‘ y es’
Zz	[z]	as in ‘ z ebra’
ƷƷ	[ʒ]	as in ‘ pleasure ’

Those sounds in Table 2.1 that have a small square under the IPA symbol are pronounced with the tip of the tongue a bit farther forward than in English. Especially [ɖ], [ɱ], and [ɽ] are affected; sometimes they are fronted so much they touch the back of the front teeth. It is important not to pronounce [ɖ] exactly like an English ‘d’ as this sounds more like the Icétoḏ sound [d] which contrasts with [ɖ]. The sounds [ɸ, ɗ, ɟ, ɰ] are called IMPOSIVES because they are made by ‘imploding’ or sucking air into the mouth rather than expelling air from the lungs. The sounds [kʰ] and [tsʰ] are called EJECTIVES because they are made by ejecting air from the throat cavity instead of from the lungs. Lastly, the sound [ɦɪ], unlike an [h], is made with the vocal chords vibrating, giving it a raspy, throaty sound. It only occurs at the beginning of words. The nine Icétoḏ vowels—[a, e, ɛ, i, ɪ, ɔ, o, ʊ, u]—operate in a vowel harmony system, which is discussed in §2.5.

2.2. Consonant devoicing

At the end of an Icétoḏ word, if silence immediately follows, voiced consonants are slightly devoiced. In other words, they sound more like unvoiced consonants in that environment. This is similar to German, where the word *Tag* ‘day’ is pronounced as [tak]. Consonant devoicing most noticeably affects /d/ and /g/ in Icétoḏ, as when *êd* ‘name’ sounds like [êɽ] or when *hêg* ‘marrow’ sounds like [hêk].

2.3. Vowel devoicing

Icétoḏ vowels are also devoiced before silence, before a pause of any length. In fact, the voiced consonants mentioned in §2.2. are only devoiced if the vowel after them has already been devoiced. Every Icétoḏ word in every grammatical context—without exception—ends in a vowel. If that final vowel is not immediately followed by another sound, then it is devoiced or whispered. After certain consonants, namely /f, m, n, ɲ, r, s, z, ʒ/, the vowel may be totally inaudible. This is not a hard-and-fast rule but rather a general tendency. It has become a tradition in scholarly writing on Icétoḏ to write whispered vowels with the raised symbols <[̥]i, [̥]e, [̥]ɛ, [̥]a, [̥]ɔ, [̥]u>.

2.4. Morphophonology

2.4.1. Deaffrication

The AFFRICATES /c/ and /j/ are sometimes deaffricated or ‘hardened’ to their non-affricate counterparts /k/ and /g/, respectively. This is not a general phonological tendency in the language but is, rather, limited to a small handful of words. Moreover, the principle is applied in different ways to different words. For instance, in the word *muceé-* ‘path, way’, the /c/ is hardened to /k/ when the word is used in the instrumental case (see §7.7): *muko* ‘on the way’. The plural inclusive pronoun *njíní-* ‘we all (including addressees)’ is pronounced idiosyncratically as *ngíní-* by a minority of speakers. Thirdly, when the words *Icé-* ‘Ik people’ and *wicé-* ‘children’ are declined for the nominative or instrumental cases, their /c/ hardens to /k/. This can be clearly seen in a case declension, like the one in Table 2.2 below. Note that, as explained in §2.4.3, cases have non-final and final forms:

Table 2.2: Case declension of *Icé-* ‘Ik’ and *wicé-* ‘children’

	‘Ik’		‘children’	
	Nonfinal	Final	Nonfinal	Final
Nominative	Ika	Ik ^a	wika	wik ^a
Accusative	Icéá	Icék ^a	wicéá	wicék ^a
Dative	Icéé	Icék ^e	wicéé	wicék ^e
Genitive	Icéé	Icé	wicéé	wicé
Ablative	Icóó	Icé ^o	wicóó	wicé ^o
Instrumental	Ico/Iko	Ic ^o /Ik ^o	wico/wiko	wic ^o /wik ^o
Copulative	Icóó	Icék ^o	wicóó	wicék ^o
Oblique	Ice	Ice	wice	wice/wic ^e

2.4.2. Haplology

In *Icétôd*, when a consonant in one MORPHEME is made at the same place of articulation as a consonant in the next morpheme, HAPLOLOGY may occur—the deletion of the first of the two consonants. For example, both the venitive suffix {-ét-} and the andative suffix {-ukot-} end in /t/. If a suffix containing /t/, /d/, or /s/ is attached to either of these, their final /t/ is omitted. To illustrate this, Table 2.3 below presents a conjugation of the verb *ɣatétón* ‘to run this way’. Note how the /t/ in {-ét-} disappears from {-ét-} in the forms for 2SG (‘you’), 1PL.INC (‘we all’), and 2PL (‘you all’).

Table 2.3: Haplology in *ɣatétón* ‘to run this way’

1SG	ηat-εt-í		ηat-εt-í	‘I run this way.’
2SG	ηat-ét-îd	→	ηat-é-îd	‘You run this way.’
3SG	ηat-εt		ηat-εt	‘S/he runs this way.’
1PL.EXC	ηat-εt-ím		ηat-εt-ím	‘We run this way.’
1PL.INC	ηat-εt-ísín	→	ηat-ε-ísín	‘We all run this way.’
2PL	ηat-ét-ít	→	ηat-é-ít	‘You all run this way.’
3PL	ηat-εt-át		ηat-εt-át	‘They run this way.’

A second example of haplology presents itself when a verb root ending in /g/, /k/, or /k/ is followed directly by the andative suffix {-ukot-}. When this happens, the final (velar) consonant of the verb root gets omitted in anticipation of the /k/ in {-ukot-}. Table 2.4 illustrates this by listing a few verbs ending in /g/, /k/, or /k/, all of which disappear when the next morpheme is the andative suffix {-ukot-}:

Table 2.4: Haplology in verbs ending in a velar consonant

fiyotóg-ukot-	→	fiyotó-ókot-	‘go near’
iðók-ukot-	→	iðó-ókot-	‘shake off’
ipák-ukot-	→	ipá-ákot-	‘swipe off’
kək-ukot-	→	kə-ókot-	‘close up’
ηkák-ukot-	→	ηká-ákot-	‘eat up’
oċ-ukot-	→	o-ókot-	‘put aside’
torík-ukot-	→	torí-íkot-	‘lead away’

2.4.3. Non-final consonant deletion

Icétôd makes a clear distinction between NON-FINAL and FINAL forms of all morphemes and words. Presumably this is to delineate syntactic boundaries, often with stylistic overtones. Non-final forms are those that occur within a string of speech, with at least one element immediately following them. Final forms, by contrast, are those that occur at the end of a string of speech, before a pause, with nothing immediately following. This basic distinction was already shown to affect the voicing of vowels in §2.3 above. And in the case of a small number of morphemes, it also affects consonants. Table 2.5 presents a few of these morphemes whose final forms contain consonants that are omitted in their non-final forms. The first column of the table shows the underlying form (UF) of the morpheme in question. This is followed in the next two columns by the non-final (NF) and final (FF)

forms that actually occur in speech. Notice how the non-final forms are missing one consonant found in the final forms:

Table 2.5: Consonant deletion in non-final forms

UF	NF	FF	Description
-ka	-a	-k ^a	accusative case suffix
-ke	-e	-k ^e	dative case suffix
-ko	-o	-k ^o	copulative case suffix
- 'ka	- 'a	- 'k ^a	present perfect suffix
- 'de	- 'e	- 'd ^e	dummy pronoun suffix
nákà	nàà	nák ^a	'earlier today'
bàtsè	bèè	bàts ^e	'yesterday'
nòkò	nòò	nòk ^o	'long ago'
jìkè	jìì	jìk ^e	'also, too'
nákà	nàà	nák ^a	'just'

2.4.4. Vowel assimilation

Ícétôd vowels also undergo phonological changes at the boundaries of morphemes. Specifically, when two dissimilar vowels come in contact with each other as a result of two forms joining, there is a powerful urge for them to become more like each other. This VOWEL ASSIMILATION was already seen in Table 4, for instance when putting *torík-* 'lead' and *-ukot-* 'away' led to *torúíkot-* instead of **torúúkot-*. It is also seen in Table 5 where the 'yester-' adverb *bàtsè* becomes *bèè* in its non-final form instead of **bàè*. Ícétôd vowel harmony only takes place between morphemes and not inside morphemes. Inside morphemes, many combinations of dissimilar vowels are allowed, for example in *káin* 'year', *mèùr* 'drongo', and *kóin* 'scent'.

Ícétôd vowel harmony can be clearly seen in the LEXICON when the transitive infinitive suffix {-és} and the intransitive infinitive suffix {-òn} are affixed to verb roots. If the verb root ends in /a/ or /e/, the vowel of the suffix fully assimilates it. Table 2.6 below offers a few examples of vowel assimilation in verbal infinitives:

Table 2.6: Vowel assimilation in verbal infinitives

Transitive			
fá-és	→	féés	'to boil'

isá-és	→	isεεs	‘to miss’
itíŋá-és	→	itíŋéés	‘to force’
tamá-és	→	tamεεs	‘to extol’
wa-és	→	weés	‘to harvest’
<hr/> Intransitive <hr/>			
kà-òn	→	kòòn	‘to go’
ŋká-ón	→	ŋkóón	‘to stand up’
tsá-ón	→	tsóón	‘to be dry’
tsè-òn	→	tsòòn	‘to dawn’
zè-òn	→	zòòn	‘to be big’

Another environment vowel harmony can be clearly seen in the case declension of Icétôd nouns. Since all Icétôd nouns end in a vowel, and since seven of the eight case suffixes consist of or contain a vowel, case suffixation creates a fertile ground for vowel assimilation. For example, in Table 2.7 below, the /o/ in the ablative case suffix {-o} and the copulative case suffix {-ko} partially assimilates the final /i/ to /u/ in the declension of the noun root *ŋókí-* ‘dog’.

Table 2.7: Vowel assimilation in the declension of *ŋókí-* ‘dog’

Case	NF	FF
Nominative	ŋók-á	ŋók- ^a
Accusative	ŋókí-à	ŋókí-k ^a
Dative	ŋókí-è	ŋókí-k ^e
Genitive	ŋókí-è	ŋókí- ^ø
Ablative	ŋókú-ò	ŋókú- ^ø
Instrumental	ŋók-ó	ŋók- ^o
Copulative	ŋókú-ò	ŋókú-k ^o
Oblique	ŋókí	ŋók□

Different vowel harmony effects are seen in the case declension of a noun like *ŋurá-* ‘cane rat’. As shown in Table 2.8 below, the final /a/ of *ŋurá-* is susceptible to being assimilated by the dative, genitive, ablative, and copulative case suffixes in their non-final forms:

Table 2.8: Vowel assimilation in the declension of *ŋurá-* ‘cane rat’

Case	NF	FF
Nominative	ɲur-a	ɲur- [∅]
Accusative	ɲurá-á	ɲurá-k ^a
Dative	ɲuré-é	ɲurá-k ^ε
Genitive	ɲuré-é	ɲurá- ^ε
Ablative	ɲuró-ó	ɲurá- ^o
Instrumental	ɲur-ɔ	ɲur- ^o
Copulative	ɲuró-ó	ɲurá-k ^o
Oblique	ɲura	ɲur

Ícétôd vowel assimilation may be partial, as when the form *ɲókí-k^o* ‘It is a dog’ is rendered as *ɲókú-k^o*. There, the /i/ at the end of *ɲókí-* ‘dog’ only moves back in the mouth to become /u/; it does not fully assimilate to become identical to the /o/ in the suffix. But vowel assimilation can also be total, as when *ɲurá-é* ‘of the cane rat’ becomes *ɲuré-é*. In that case, the /a/ at the end of *ɲurá-* becomes identical to the vowel in the suffix. Ícétôd vowel harmony can also be regressive as in both of these examples, where a vowel exerts pressure on a preceding noun. But it can also be progressive, as in the example of *torí-úkót-* becoming *torí-íkót-*, where the /i/ acts ahead on the /u/.

2.4.5. Vowel desyllabification

When the back-of-the-mouth vowels /ɔ/, /o/, /u/ or /u/ wind up next to another vowel across a morpheme boundary, the back vowel may lose its status as the nucleus of a syllable and become the semi-vowel /w/ instead. When this vowel DESYLLABIFICATION occurs, the syllabic ‘weight’ of the vowel gets transferred to the following vowel in a process called COMPENSATORY LENGTHENING. This is evident, for example, in the transitive infinitives of verbs ending in a back vowel. Table 2.9 depicts how the back vowel at the end of the verb root changes to /w/ and then lengthens the vowel in the suffix {-és}.

Table 2.9: Vowel desyllabification in verbs

tutsu-és	→	tutswéés	‘to wring’
ró-é	→	rwééés	‘to string’
ho-és	→	hweéés	‘to cut’
ó-és	→	wééés	‘to call’
ru-és	→	rweéés	‘to uproot’

Vowel desyllabification also takes place in the case declensions of nouns. Any noun root that ends in a back vowel can have that vowel desyllabified to /w/, with the result that the case suffix is lengthened. As Table 2.10 demonstrates, this happened with a noun like *dakú-* ‘plant, tree’ that ends with the back vowel /u/. In five of the eight cases—accusative, dative, genitive, ablative, copulative—the final /u/ of *dakú-* changes to /w/ and then lengthens the case suffix. Note that in the nominative case, the /u/ of *dakú-* is desyllabified but does not lengthen the nominative suffix {-a}. This is a peculiarity of the nominative case only and is seen in many other noun declensions.

Table 2.10: Vowel desyllabification in nouns

Case	Non-final		
Nominative	dakw-a		
Accusative	dakú-á	→	dakw-áá
Dative	dakú-é	→	dakw-ée
Genitive	dakú-é	→	dakw-ée
Ablative	dakú-ó	→	dakw-óó
Instrumental	dak-o		
Copulative	dakú-ó	→	dakw-óó
Oblique	daku		

2.5. Vowel harmony

Icétôd vowels participate in a system of VOWEL HARMONY. This means that the language’s sound system seeks ‘harmony’ by ensuring that all vowels in a single word belong to the same vowel class. The vowel classes involved are the following: 1) the [+ATR] or ‘heavy’ vowels /i, e, o, u/ that are made with a larger cavity in the throat, giving them a ‘heavier’, more resonant sound, and 2) the [-ATR] or ‘light’ vowels /i, ε, ɔ, ʊ/ that are made with a smaller cavity in the throat, giving them a ‘lighter’, less resonant sound. Where the ninth vowel /a/ fits in with these two classes is a theoretical question that has not been proven with hard evidence. What is clear is that in Icétôd, it sometimes behaves as a [+ATR] vowel and other times as a [-ATR] vowel. And it certainly is found together with vowels from both classes within a single word. The Icétôd vowel classes anchored by the low vowel /a/ are depicted below in Table 2.11:

Table 2.11: Icétôd vowel classes

[+ATR]		[-ATR]	
i	u	ɪ	ʊ
e	o	ɛ	ɔ
a			

Generally speaking, because of vowel harmony, all the vowels in a single word will belong to one of the vowel classes shown in Table 2.11. This is clearly evident in the lexicon where verbs consisting of multiple syllables and morphemes contain either [+ATR] or [-ATR] vowels, but not both. Table 2.12 shows an opposing set of such verbs:

Table 2.12: Vowel harmony in the lexicon

[+ATR]	
béberés	‘to pull’
béberetés	‘to pull this way’
béberésúkòt ^a	‘to pull that way’
[-ATR]	
béděs	‘to want’
bédětés	‘to look for’
béděsúkòt ^a	‘to go look for’

In some situations though, /a/ blocks vowel harmony from spreading to all the morphemes in a word. For example, when the stative suffix {-án-} falls between a verb with [-ATR] vowels and the intransitive suffix {-òn-}, the /a/ in {-án-} prevents the spread of harmony to the whole word. Table 2.13 gives a few examples of the harmony-blocking behavior of /a/. Notice how [-ATR] vowels are found to the left of {-án-} (in bold), while the [+ATR] /o/ in {-òn-} comes after it:

Table 13: Vowel harmony blocking of /a/

akwétékwét án ón	‘to writhe around’
ḃelébél án ón	‘to be cracked’
gólógol án ón	‘to be crooked’
ilódĩ án ón	‘to be discriminatory’
ɣúzam án ón	‘to bicker’

Icétôd has three suffixes which are said to be DOMINANT in that they always spread their [+ATR] value as far as they can within a word. These include the pluractional suffix {-í-}, the middle suffix {-ím-}, and the plurative suffix {-íkó-}, all of which contain the vowel /i/. Unless an /a/ blocks the way, these three suffixes will cause all the vowels in the word they are found in to harmonize to [+ATR]. This dominant behavior is illustrated below in Table 2.14. Notice how the [-ATR] vowels in the first column all become [+ATR] in the third column as a result of the dominance of the suffixes (in bold typeface):

Table 2.14: Icétôd dominant suffixes

abutəs	‘to sip’	→	abutiés	‘to sip continuously’
kònòn	‘to be one’	→	kónión	‘to be one-by-one’
		→		
ilɔəs	‘to defeat’	→	ilo ím étòn	‘to be defeated’
kəkés	‘to close’	→	kok ím étòn	‘to close (alone)’
		→		
ɔrɔ́ɔ-	‘stream’	→	oró ríkw ^a	‘streams’
wɛ̀là-	‘opening’	→	wél íkw ^a	‘openings’


Two other applications of vowel harmony deserve mention. First, even though two nouns can be joined together to form a compound word, vowel harmony does not occur between them. For example, the noun roots *rébè*- ‘millet’ and *mèsè*- ‘beer’ can be joined into the compound *rébèmèsè*- ‘millet beer’, in which, notice, the vowels belong two different [ATR] vowel classes. An exception to this rule is when the second noun in the compound begins with the vowel /i/, in which case /i/ harmonizes the last vowel of the first noun, as when *jókəkərɔ́-ìrà*- ‘chick’ becomes *jókəkəró-ìrà*- (where the first noun’s /ɔ/ is harmonized to /o/). A second application of vowel harmony has to do with the language’s clitics (affix-like particles). Many of Icétôd’s clitics take on the [ATR] value of their host word, for example when the anaphoric pronoun *dée* becomes *dée* in the phrase *məkərɔ́ée déé* ‘in that rock pool’. Again, the exception is when the clitic contains the vowel /i/, in which case it becomes dominant, harmonizing its host, as when *bárítínúo díí* ‘from those corrals’ becomes *bárítínúo díí* (where the vowels /úo/ become /úo/).

2.6. Tone

2.6.1. Tone inventory

Icétôd is a tonal language. At the level of pronunciation, this means that every vowel is identified not only by where it is formed in the vocal chamber but also by the pitch with which it is pronounced. This further entails the every syllable, morpheme, word, and phrase exhibits a specific and indispensable tone pattern. At a phonological (or psychological) level, Icétôd has just two tones: HIGH and LOW. All other tones that one hears can be traced back to these two. However, for more practical applications like orthography and language learning, four sub-tones are recognized. These include: HIGH, HIGH-FALLING, MID, and LOW. Table 2.15 presents the Icétôd tones with their names in the first column, pitch profiles in the second, and the orthographic diacritics for writing them in the third:

Table 2.15: Icétôd tones

Tone	Pitch	Symbol
HIGH		Á á

HIGH-FALLING	$\left[\begin{array}{c} \backslash \\ \end{array} \right]$	Â â
MID	$\left[- \right]$	A a
LOW	$\left[- \right] / \left[\begin{array}{c} \backslash \\ \end{array} \right]$	À à

2.6.2. Lexical tone

Every word in the Icétôd lexicon has a tone pattern or ‘melody’. That is, Icétôd words are not identified solely on the basis of consonants and vowels but also on their tone pattern, which must be learned. Since every vowel and therefore syllable bears a tone, the combination of many syllables in words produces a large variety of tone patterns. And since the tone pattern of a word is totally unpredictable, language learners must resort to memorizing the pattern with the word. Table 2.16 gives a sample of the many lexical tone patterns of the language:

Table 2.16: Icétôd lexical tone patterns

Nouns		
HH	ámá-	‘person’
HL	ébà-	‘horn’
LH	cekí-	‘woman’
LL	ɲèrà-	‘girls’
Verbs		
H	ɲájɲ-	‘open’
H(L)	éd`-	‘carry on back’
L	àts-	‘come’

2.6.3. Grammatical tone

Icétôd does not have grammatical tone in the sense that tone alone can carry out a grammatical function. But tone often accompanies other grammatical signals, thereby reinforcing them. So in that regard, it could be said that Icétôd has semi-grammatical tone. For example, when the suffix {-íkó-} is used to pluralize a single noun, the tone of the single noun usually changes, as when *kɔl* ‘ram’ becomes *kólíkɔ*^a. Similarly, when the venitive suffix {-ét-} is added to a verb stem, it often changes the overall tone pattern, as when *béděs* ‘to want’ becomes *bédétés* ‘to look for’, whereby the tone of the root *béd-* goes

from HIGH to MID. Indeed, many of the nominal and verbal suffixes of the language involve significant tone changes to the stem. For more information Icétôd semi-grammatical and tone at the phrase level, the reader is encouraged to consult §3.2 in Schrock 2014.

2.6.4. Depressor consonants

In Icétôd, the class of voiced consonants /b, d, dz, g, j, z, ʒ/ plus /h/ act as DEPRESSOR CONSONANTS. Depressors are so-called because they ‘depress’ or pull down the pitch of neighboring vowels. In doing so, they act almost as if they had a very low tone of their own. The effect of Icétôd depressors is so strong that, over time, it led to the creation of a whole new set of lexical tone patterns. For instance, all Icétôd verbs with a HL pattern in their roots have a depressor as the first consonant after the initial high tone: *dégè̃m-* ‘crouch’, *gúgù̃r-* ‘hunched’, *ìbòt-* ‘jump’, *kídžì̃m-* ‘descend’, and *ts’ágwà-* ‘be raw’. This is because, in anticipation of the extra-low pitch of the depressor, the language compensated by putting a high tone before it where there used to be none. As another example, all nouns with the root tone pattern HL have a depressor as their only consonant: *dóbà-* ‘mud’, *ébà-* ‘horn’, *édi-* ‘name’, *nébù-* ‘body’, *wídzò-* ‘evening’, etc. And when these types of nouns lose their final vowel due to vowel devoicing, that is when the HIGH-FALLING contour tone comes into play, as in *dób^a* ‘mud’, *éb^a* ‘horn’, *éd^a* ‘name’, *wídz^a* ‘evening’, etc.

Whenever a depressor consonant comes between two high tones, the second high tone is lowered or ‘downstepped’ to a mid tone level. From the point of view of articulation, this is because the speaker’s pitch cannot make it from the pitch depression all the way back up to a high pitch. This happens, for example, with the anaphoric pronouns *dée* and *díí*, as in *ámá⁺dée* ‘that person’ *ínwá⁺díí* ‘those animals’.

3. Word classes

3.1. Overview

Between the phoneme and the phrase, Icétôd exhibits three types of organizational unit: word, clitic, and affix. A WORD is defined as a free morpheme that can stand alone, self-contained. An AFFIX is a bound morpheme that must attach to a word to maintain its integrity. Affixes are indicated in this grammar by a hyphen before (and sometime after) them, as in {-án-}, the stative adjectival suffix. A CLITIC is somewhere in between: in some structures it acts like a word in standing alone,

while in other structures, it attaches to a word. Clitics are marked in this grammar by an equals sign, for example in {=kì} ‘those’.

Thirteen WORD CLASSES are recognized in Icétôd. These include: nouns, pronouns, demonstratives, quantifiers, numerals, prepositions, verbs, adverbs, ideophones, interjections, nursery words, complementizers, and connectives (or conjunctions). Each of these word classes is briefly introduced in the following subsections.

3.2. Nouns

Nouns and verbs make up the language’s only two OPEN word classes, meaning that they may have new members continually added to them. Nouns make up approximately 47% of the total Icétôd lexicon. Noun roots can be short, like *eí-* ‘chyme’, or long like *ɲákabɔɔwáátá-* ‘finger ring’, but they must all have at least two syllables. This is because some case suffixes, namely the nominative and instrumental, delete the last vowel of the noun root when they affix to it. Noun roots are represented throughout this book with hyphenated forms, indicating that in actual Icétôd speech, any noun must have at least a case suffix. In addition to case, nouns may take singulative or plurative suffixes and may be joined with other nouns to make compound nouns. §4 is devoted to expounding on Icétôd nouns.

3.3. Pronouns

Pronouns form a closed word class, admitting no new members. They ‘stand in’ for nouns whose specific names need not be mentioned. Pronouns make up less than 1% of the Icétôd lexicon and yet have great grammatical importance. Most Icétôd pronouns are FREE, capable of standing on their own, while others are BOUND to verbs. They may be PERSONAL, capable of specifying grammatical person, or IMPERSONAL. Other categories of pronoun include: indefinite, interrogative, demonstrative, relative, and reflexive. §5 is devoted to describing the pronouns of Icétôd.

3.4. Demonstratives

Demonstratives form another closed word class, admitting no new members. They ‘demonstrate’ nouns by ‘pointing them out’, referring to them spatially, temporally, or discursively. They too make up less than 1% of the lexicon. Many Icétôd demonstratives have been analyzed as clitics. They seem sometimes like separate words, and yet

in terms of vowel harmony, they act like suffixes. As clitics, they are written connected to words in linguistic writing, whereas in non-linguistic writing, they are written separately. For example, the phrase ‘these trees’ would be written as *dakwítína=ni* in linguistic publications and as *dakwítína ni* elsewhere. Icétôd has four kinds of demonstrative: spatial, temporal, anaphoric, and locative adverbial—all of which are covered in more detail in §6.

3.5. Quantifiers

As their name implies, quantifiers ‘quantify’ the nouns that precede them. That is, they are separate words that follow nouns and convey the general quantity of the noun in terms of allness, bothness, fewness, manyness. Specific, numeric quantity is expressed by the numerals which are the topic of the next subsection. Icétôd quantifiers sometimes act more like numerals by directly following the noun they modify without an intervening relative pronoun, as in *wika kwad^e* ‘few children’. But other times they act more like adjectival verbs by taking a relative pronoun between them and the noun they modify, for example, *wika ni kwad^e* ‘children that (are) few’. In the former function as numerals, they have a distinct, perhaps more ancient root, as in *kwàdê*, whereas in their function as adjectival verbs, they have a truncated root in a verbal infinitive, in this case *kwàd-òn* ‘to be few’. The eight known Icétôd quantifiers are given below in Table 3.1:

Table 3.1: Icétôd quantifiers

Non-final	Final	
dâŋɪdâŋɪ	dâŋɪdâŋ	‘all, entire, whole’
mùŋù	mùŋ	‘all, entire, whole’
mùŋùmùŋù	mùŋùmùŋ	‘all, entire, whole’
tsídî	tsíd ^f	‘all, entire, whole’
tsídîtsídî	tsídîtsíd ^f	‘all, entire, whole’
gáí	gáí	‘both’
kwàdê	kwàd ^e	‘few’
kòmà	kòm	‘many’

3.6. Numerals

Numerals convey the specific number of the noun they modify. Icétôd

has a quinary or ‘base-5’ counting system, meaning that it has words for the numbers 1-5 and then builds numbers 6-9 by adding the appropriate number to 5, as in *tude nda kidî ts’agús* ‘five and those four’, which is 9. The number 10 is not a numeral, but the noun *toomíní-*. Icétôd numerals directly follow the noun they modify, without an intervening relative pronoun. Just as the quantifiers *kwàdè* ‘few’ and *kòmà* ‘many’ can function as verbs, the numerals 1-5 can also function as verbs. Table 3.2 presents Icétôd numerals 1-9:

Table 3.2: Icétôd numerals

#	Non-final	Final	
1	kònà	kòn	‘one’
2	lèbètsè	lèbètsè ^e	‘two’
3	àdè	àdè ^e	‘three’
4	ts’agúsé	ts’agús	‘four’
5	tùdè	tùdè ^e	‘five’
6	tude nda kèdî kòn	...nda kèdî kòn	‘five and one’
7	tude nda kidî lébètsè	...nda kidî lébètsè ^e	‘five and two’
8	tude nda kidî àdè	...nda kidî àdè ^e	‘five and three’
9	tude nda kidî ts’agúsé	...nda kidî ts’agús	‘five and four’

To form numbers 11-19, Icétôd builds off the noun *toomíní-* ‘ten’ and then repeats the quinary system shown above in Table 3.2. For example, the number 17 is expressed as *toomín nda kidî túde nda kidî lébètsè^e* ‘ten and those five and those two’. Then, after 19, the numbers 20, 30, 40, etc. are based on the compound *toomín-ékù-* ‘ten-eye’, as in *toomínékwa lébètsè^e* ‘ten-eye two’, which is 20. The numbers for 100 and 1,000, *ɲamíái-* and *álifù-*, are borrowed from Swahili.

3.7. Prepositions

Prepositions are usually small particles ‘pre-posed’, that is, put in front of a noun to indicate what its relationship is to another noun or to the wider sentence in which it occurs. Many of the functions that prepositions fulfill in other languages are handled by cases in Icétôd (see §7). However, Icétôd still has a very small, closed group of prepositions that somehow have survived the hegemony of case. Still, they interact with case as each preposition selects the case that its noun head (or host) must take. Table 3.3 presents all the known Icétôd

prepositions with their meanings and the cases they require on nouns:

Table 3.3: Icétôd prepositions

Preposition	Meaning	Case required
nàpèi	‘from, since’	ABLATIVE
dítá	‘as, like’	GENITIVE
néé	‘from, through’	GENITIVE
akání	‘until, up to’	OBLIQUE
àkìlò	‘instead of’	OBLIQUE
gònè	‘until, up to’	OBLIQUE
ikóteré	‘because of’	OBLIQUE
ndà	‘and, with’	OBLIQUE
pákà	‘until, up to’	OBLIQUE
tònì	‘even’	OBLIQUE

3.8. Verbs

Verbs comprise the second of Icétôd’s two large open word classes. Like nouns, Icétôd verbs make up approximately 48% of the lexicon. Verb roots can be short like *ó-* ‘call’, long like *gwerejéj-* ‘be coarse’, or reduplicated like *diridír-* ‘be sugary’ and *ipirípír-* ‘to drill’. Verb roots are represented throughout this book with hyphenated forms, indicating that in actual Icétôd speech, any verb must have at least one suffix. That minimal suffix may be a subject-agreement suffix or a tense-aspect-mood (TAM) suffix like an imperative or optative. Icétôd verb stems can stand alone as an independent, self-contained clause and can have many suffixes strung together, as in *sokóritiísínàk^a* ‘we all have clawed’ and *zeikáákotinîd^e* ‘and they all grew large there’. Among the many suffixes that can derive nouns from verbs or inflect verbs for different meanings there are: deverbatives, subject-agreement markers, directionals, the dummy pronominal, modals, aspectuals, voice and valency changers, and adjectivals. All these topics are treated more fully later on in §8.

3.9. Adverbs

Adverbs form a catch-all category of words that modify verbs or whole clauses. The roughly sixty Icétôd adverbs make up less than 1% of the total lexicon. They include ‘manner’ adverbs like *hîjîj* ‘slowly’

and *zùkù* ‘very’, epistemic adverbs like *tsábò* ‘apparently’ and *tsamú* ‘of course’, and general adverbs like *edá* ‘only’ and *nabó* ‘again’. Other important categories of adverbs are the tense-marking adverbs, certainty and contingency markers, and the conditional-hypothetical adverbs. All these types of Icétdôd adverb are described in §9.

3.10. Ideophones

Ideophones form a word class that is characterized by highly expressive words that denote physical realities like color, motion, sound, shape, volume, etc. They are often ‘sound-symbolic’ or onomatopoeic. That means just the sound of them as they are pronounced evokes the physical perception they signify. For example, the ideophone *bùlùk*^u means ‘the sound something makes when dropping into water’, like ‘splash!’ or ‘kersplunk!’ in English. At present, one hundred forty Icétdôd ideophones (1.6% of total) have been recorded, but there are most certainly many more in the language. And they are probably continually created. Table 3.4 offers a sample of the variety of Icétdôd ideophones that are recognized:

Table 3.4: Icétdôd ideophones

Animal sounds	
bèrrr	‘baaa!’
buúù	‘mooo!’
kútú	‘cluck!’
Other sounds	
ḡeḡe	‘snap!’
gùlùjù	‘gulp!’
pùsù	‘plop!’
Colors	
pàkì	‘pure white’
tíkí	‘pitch black’
tsòni	‘blood red’
Attributes	
ḡa	‘unliftably heavy’
dùù	‘very deep’
tsèkè	‘completely full’

3.11. Interjections

Like adverbs, interjections form a bit of a catch-all word class. Interjections include any word expressing emotions or mental states of any kind, usually outside the grammar of the sentence. The roughly thirty Icétôd interjections that have been recorded make up less than 1% of the total lexicon. Icétôd interjections may consist of a single word like *aaii* ‘ouch!’ or *wúlù* ‘yikes!’ or a short phrase like *wika ni* ‘these kids (I tell you)!’ or *tɔ́ jɔ́* ‘there, there (it’s okay)!’. Several other interjections are provided below in Table 3.5:

Table 3.5: Icétôd interjections

ee Nakuj ^a	‘oh my God!’
ee/ée	‘yeah, yes’
hà	‘whatever!’
marán	‘fine, okay!’
ɲoto ni	‘these guys (I tell you)!’
ne	‘here you go!’
ńtòó(n)dó	‘nah, no’
otí	‘whoa!’
wóí	‘aahh!’
yóói	‘uh-huh..sure!’

3.12. Nursery words

Nursery words make up a small class of one-word expressions—only ten recorded so far—that act as commands or encouragements to babies or toddlers to do something. The ten Icétôd nursery words on record are laid out below in Table 3.6 with English approximations:

Table 3.6: Icétôd nursery words

bubú	‘nighty-night’	for going to sleep
ḡá	‘yummy’	for eating
dí	‘poo’	for defecating
duudó	‘sitty-sit’	for sitting down
kó	‘wa-wa’	for drinking water
kəkó	‘no-no’	for not touching

kukú	‘up-up’	for riding on mother’s back
kwàà	‘pee’	for urinating
mamá	‘yum-yum’	for eating
noónó	‘yum-yum’	for breastfeeding

3.13. Complementizers

Complementizers are words that introduce reported speech or thought. For example, in the English sentence ‘She said that she agrees’, the word *that* is the complementizer that introduces that reported statement *she agrees*. Icétôd has only two such complementizers. One of them, *tòimènà*- ‘that’ is technically a noun and thus belongs in the noun word class. But because of its function, it is dealt with here. The word *tòimènà*-, a compound of the verb *tód*- ‘speak’ and *mená*- ‘words, is used with a variety of speaking and thinking verbs. The second Icétôd complementizer, *tàà*, is a probably a form of the verb *kuta* ‘s/he says’ that has been reduced over time. Even now it is usually used after the verb *kút*- ‘say’. Example (1) below shows how *tòimènà*- is used in a sentence to introduce the clause *mitída bònán* ‘you are an orphan’. And example (2) shows the complementizer *tàà* introducing the clause *iya njíníkija kóókè* ‘our land is over there’:

- (1) *Hyeíá tòimèna mitída bònán.*
 know:1SG that:NOM be:2SG orphan:OBL
 ‘I know that you are an orphan.’
- (2) *Kuta jície taà iya njíníkija kóókè.*
 say:3SG I:DAT that be:3SG we:land:NOM there
 ‘He says to me that our land is over there.’

3.14. Connectives

Connectives (also known as conjunctions) are words whose function is to join other words, phrases, or clauses. If they are COORDINATING connectives like *ndà* ‘and’, then they join grammatical units of equal status, like a word to a word, or an independent clause to another independent one. Then if they are SUBORDINATING connectives like *na* ‘if’, they join grammatical units of unequal status, usually a dependent clause to an independent one. Even though their role is to link grammatical units, not all of them come between the units they link. Many come before both, often as the first word in the sentence. Icétôd has roughly seven coordinating connectives and thirty subordinating ones—making up less than 1% of the lexicon. The coordinating

connectives are presented in Table 3.7, while Table 3.8 follows this up with a sampling of subordinating connectives:

Table 3.7: Icétôd coordinating connectives

kèdè	‘or’
kíná	‘and then, so then, then’
kòtò	‘and, but, so, then, therefore’
mísi...mísi...	‘either...or...’
nààtì	‘and then’
naḃó	‘furthermore, moreover’
ńdà	‘and’

Table 3.8: Icétôd subordinating connectives

átà	‘even (if)’
ḃẽmùsù	‘unless, until’
ikóteré	‘because’
kánì	‘in order that, so that’
mísi	‘if, whether’
na=	‘if’
náà	‘when (earlier today)’
nàpèì	‘since’
néé	‘if, when’
nòò	‘when (long ago)’
nótsò	‘when (a while ago)’
pákà	‘until’
sìnà	‘when (yester-)’
tònì	‘even’

4. Nouns

4.1. Overview

Single Icétôd nouns in a speaker's mental lexicon consist of a ROOT. Roots are words that cannot be analyzed into smaller parts from the perspective of modern Icétôd. (Historical research may in many cases reveal how roots were put together over time, but that is the domain of etymology.) When plucked from the lexicon and put into actual Icétôd speech, every noun root must receive at least one SUFFIX, which must be a CASE suffix (discussed later in §7). The rest of this chapter is given to expounding the other nominal suffixes used in Icétôd.

Besides case, two other types of nominal suffix exist. One is the INFINITIVE suffixes, the transitive {-és-} and the intransitive {-òn-}. For a limited number of nouns, these suffixes can be used to denominalize them, turning them into verbs. For example, the noun *tòlòkà*- 'trapping' can be made into the verb *tòlòkəs* by adding the transitive suffix {-és-}. Even in such cases, one could argue that the root was originally a verb and later acquired the status of a noun.

The third type of nominal suffix is the NUMBER suffix (discussed next in §4.2). For Icétôd, this means PLURATIVES and SINGULATIVES. Many noun roots can be pluralized if they are inherently singular in number. A few others can be singularized because they are inherently plural. Some others are MASS nouns, naming entities in the world perceived as inherently plural unities. These take no suffixes but are treated grammatically as plurals. Finally, some nouns are TRANSDENUMERAL, meaning they can be construed as singular or plural and given the appropriate singular or plural modifiers, if needed.

Lastly, the primary way Icétôd acquires new nouns—besides borrowing them from other languages—is through COMPOUNDING (discussed in §4.3). Icétôd compounds are made by putting two or three nouns together into a new compound word. The first noun describes or specifies the second noun to make an aggregate meaning that is different than that of the two separate nouns.

Icétôd nominal suffixes differ in how they affix to noun roots. With the exception of five case suffixes, all nominal suffixes first delete the final vowel of the noun to which they attach. This is known as SUBTRACTIVE morphology. The case suffixes that preserve the final vowel are the accusative, dative, genitive, ablative, and oblique.

4.2. Number

4.2.1. Pluratives

Icétôd has four ways to show that a noun is plural: three plurative suffixes and suppletive plurals. The three plurative suffixes are: 1) {-íkó-}, 2) {-ítíní-}, and 3) {-ìkà-}. The first plurative suffix, {-íkó-}, is dominant in terms of vowel harmony, meaning it changes the vowels of a [-ATR] noun to [+ATR] unless /a/ intervenes and blocks it. For example, in some instances, the vowel /a/ spontaneously appears between the singular root and the suffix {-íkó-}. This /a/ is a relic of an ancient singulative suffix *-at- that is no longer in use in Icétôd.

The use of {-íkó-} is strictly limited to a relatively small number of nouns (roughly 100); it is not applied to newly borrowed nouns. Table 4.1 presents several examples of nouns pluralized with this suffix. Note how the suffix harmonizes the vowels of the singular root except where the vowel /a/ blocks the leftward spread of harmony. Note also that in some cases the suffix alters the tone of the singular root:

Table 4.1: The plurative suffix {-íkó-}

Singular		Plural	
abérí-	→	áberaíkó-	‘active termite colonies’
baratsó-	→	barátsíká-	‘mornings’
cúrukù-	→	cúrukaíkó-	‘bulls’
kəróbè-	→	kəróbaíkó-	‘calves’
kweséè-	→	kwéséikó-	‘broken gourds’
mə̀kəró-	→	mokóríká-	‘rock wells’
tabá-	→	tabíká-	‘boulders’

The second plurative, {-ítíní-}, is used to pluralize nouns that have only two syllables in their lexical root. Table 4.2 provides a sample of bisyllabic nouns pluralized with {-ítíní-}. Notice that if the singular noun has [-ATR] vowels, then the plurative suffix harmonizes to {-ítíní-}. Unlike the suffix {-íkó-}, {-ítíní-} never alters the tone of the root, though its own tone may conform to the tone of the root:

Table 4.2: The plurative suffix {-ítíní-}

Singular		Plural	
aká-	→	akitíní-	‘mouths’
bòsì-	→	bositíní-	‘ears’

ójá-	→	ójítíní-	‘sores’
dòlì	→	dólítíní-	‘carcasses’
ekú-	→	ekwítíní-	‘eyes’
ídò-	→	íditíní-	‘breasts’
ts’úbà-	→	ts’úbítíní-	‘stoppers’

The third pluralive, {-ìkà-}, is used primarily to pluralize nouns with three or more syllables in their lexical root. Table 4.3 provides a sample of polysyllabic nouns pluralized with {-ìkà-}. Notice that if the singular noun has [-ATR] vowels, then the pluralive suffix harmonizes to {-ìkà-}. Unlike {-ítíní-} but like {-íkó-}, {-ìkà-} sometimes alters the tone of the singular noun as well as having its own tone altered:

Table 4.3: The pluralive suffix {-ìkà-} with polysyllabic nouns

Singular		Plural	
àgìtà-	→	ágìtìkà-	‘metal ringlets’
arírà-	→	arírìkà-	‘flames’
bàbàà-	→	bábàìkà-	‘armpits’
ɔ́ɔ́rɔ́kɔ́-	→	ɔ́ɔ́rɔ́kìkà-	‘dry honeycombs’
kútúṅù-	→	kútúṅìkà-	‘knees’
ṣánínóò-	→	ṣánínóìkà-	‘leather whips’
ṣékúrumotí-	→	ṣékúrumòtìkà-	‘gullies’

Secondarily, the pluralive {-ìkà-} is used to pluralize a handful of nouns that have only two syllables in their lexical root. Why these nouns do not take {-ítíní-} instead is not known. A bit of speculation must invoke the notion of MORA or the unit of syllable weight. Among the seven examples shown in Table 4.4, three of them contain the semi-vowel /w/ which may be thought to contain its own mora, as a vowel would. Likewise, two of the examples (*hòò-* and *sédà-*) contain depressor consonants which may also count for one mora. Perhaps in the remaining two (*kíjá-* and *ríjá-*), the /j/ used to be a depressor. Regardless of the historical explanation, Table 4.4 presents a few examples of {-ìkà-} being used to pluralize bisyllabic nouns:

Table 4.4: The pluralive suffix {-ìkà-} with bisyllabic nouns

Singular		Plural	
awá-	→	àwìkà-	‘homes’
gwasá-	→	gwàsìkà-	‘stones’
hòò-	→	hòìkà-	‘huts’
kíjá-	→	kíjìkà-	‘lands’
kwetá-	→	kwètìkà-	‘arms’
ríjá-	→	ríjìkà-	‘forests’
sédà-	→	sédìkà-	‘gardens’

4.2.2. Suppletive plurals

Icétôd also has a handful of singular nouns cannot be pluralized in a productive way with any of the three suffixes discussed above. Three of these nouns on record are truly suppletive in that their singular and plural forms bear absolutely no resemblance to each other. These are the first three in Table 4.5. The last three examples in Table 4.5 represent nouns that are semi-suppletive; even though one can discern a similarity between the singular and plural forms, the way the two forms are derived from each other is not productive in the language.

Table 4.5: Icétôd suppletive plurals

Singular		Plural	
ámá-	↔	ròbà-	‘people’
eakwá-	↔	ɲotó-	‘men’
imá-	↔	wicé-	‘children’
cekí-	↔	cikámá-	‘women’
dī-	↔	dī-	‘ones’
kóróbádì-	↔	kúrúbádì-	‘things’

4.2.3. Singulatives

In contrast to pluratives, SINGULATIVES convert an inherently plural noun root to a derived singular. Icétôd has one such suffix that may be considered a true singulative in the synchronic grammar of the language today, and that is {-àmà-} or {-òmà-}. Since this singulative is only used with personal entities, it seems likely that it is related to the word *ámá-* ‘person’. Table 4.6 gives the only four unambiguous examples of when this singulative is used. Note that its tone pattern may be altered by the tone of the plural root:

Table 4.6: The Icétôd singulative {-àmà-}

Plural		Singular	
jáká-	→	jákámà-	‘elder’
kéà-	→	kéàmà-	‘soldier’
lɔ́ɔ́tá-	→	lɔ́ɔ́tómà-	‘enemy’
ɲímókókáá-	→	ɲímókóká-ámà-	‘young man’

4.2.4. Possessive number suffixes

In addition to simple pluratives and a singulative, Icétôd also has what may be called POSSESSIVE number suffixes. These possessive suffixes, {-èdè-} in the singular and {-ìni-} in the plural, fuse the notions of number and possession into one morpheme. When they are affixed to a noun stem, they specify a) the number of the noun stem and b) its association with another entity (hence the possession). They do not specify the number of the possessing entity. For example, the word *aked*^a, a stem consisting of *aká-* ‘den’ and {-èdè-} (in the nominative case) can mean both ‘its den’ or ‘their den’. And the word *akìn*, consisting of *aká-* ‘den’ and {-ìni-} (in the nominative case), can mean either ‘its dens’ or ‘their dens’.

Within the broad notion of ‘possession’, the possessive number suffixes {-èdè-} and {-ìni-} can be seen as signifying more specific semantic relationships like part-whole, kinship, and association. Table 4.7 gives some examples of the singular {-èdè-} expressing a part-whole relationship with the unnamed entity. Note how the meanings of the noun roots are extended metaphorically to denote structural parts of things. Note also that the tone of the root may be altered in the presence of {-èdè-}:

Table 4.7: The Icétôd singular possessive {-èdè-}

Root meaning		Extended part-whole meaning
bakutsí- ‘chest’	→	bakútsédè- ‘its middle part’
bùbùì- ‘belly’	→	búbùèdè- ‘its underside’
ekú- ‘eye’	→	ekwede- ‘its essence’
kwayó- ‘tooth’	→	kweede- ‘its edge’
ɲabérí- ‘rib’	→	ɲábèrèdè- ‘its side’

The plural possessive suffix {-ìni-} has two special applications with human possessors. In the first, it is used to pluralize kinship terms, where a kinship association is explicitly implied. In the second, it

refers to people associated with a certain person in general terms. Table 4.8 illustrates both of these nuances, showing the singular root in the first column, and in the second, the root inflected with {-ìní-}:

Table 4.8: The Icétôd plural possessive {-ìní-}

Kinship			
abáḡì-	→	abáḡíní-	‘my fathers (uncles)’
dádòò-	→	dádoíní-	‘your grandmothers’
ḡòò-	→	ḡóíní-	‘your mothers’
tátàà-	→	tátaíní-	‘my aunts’
wicé-	→	wikini-	‘his/her/their/its children’
Association			
Àdūpàà-	→	Adūpaíní-	‘the people of Adūpa’
Dakái-	→	Dakáíní-	‘the people of Dakai’
Lójérèè-	→	Lójéreíní-	‘the people of Lojere’
Dirikoó-	→	Dirikoíní-	‘the people of Diriko’
Tsilàà-	→	Tsiláíní-	‘the people of Tsila’

4.2.5. Mass nouns

A small group of Icétôd noun roots are classified as non-count MASS nouns. These nouns are inherently, lexically plural. As such, they require plural demonstratives and relative pronouns. This group includes words for powders, liquids, and gases—particulate substances. Table 4.9 presents seven examples of mass nouns. The roots are in the first column, followed in the third column by the noun in a phrase with the plural demonstrative *ni* ‘those’. Note that in the English, the equivalent is provided but with a singular interpretation.

Table 4.9: Icétôd non-countable mass nouns

búré-	‘dust’	búrá ni	‘this dust’
cué-	‘water’	cua ni	‘this water’
kabasá-	‘flour’	kabasa ni	‘this flour’
sèà-	‘blood’	sea ni	‘this blood’
ts’údè-	‘smoke’	ts’úda ni	‘this smoke’

4.2.6. Transnumeral nouns

Another small group of Icétôd noun roots are inherently TRANSDUMERAL, meaning that they can be singular or plural

depending on what the speaker wants to communicate. Whatever number is imputed to them must be reflected in the grammar of the rest of the sentence, for example in subject-agreement on the verb or in any demonstratives or relative pronouns used to modify them. Icétôd transnumeral nouns cannot be pluralized in any of the ways discussed up to this point. But with the bound nominal morpheme - *icíká*- (see §4.3.4), they can be given a sense of distributiveness or variation. Table 4.10 presents three examples of Icétôd transnumeral nouns with their singular, plural, and distributive interpretations:

Table 4.10: Icétôd transnumeral nouns

Root	ɓìbà-	‘egg(s)’
Singular	ɓìbà na	‘this egg’
Plural	ɓìbà ni	‘these eggs’
Distributive	ɓìbaicíká-	‘various kinds of eggs’
Root	gwaá-	‘bird(s)’
Singular	gwaa na	‘this bird’
Plural	gwaa ni	‘these birds’
Distributive	gwaicíká-	‘various kinds of birds’
Root	ínó-	‘animal(s)’
Singular	ínwá na	‘this animal’
Plural	ínwá ni	‘these animals’
Distributive	ínóicíká-	‘various kinds of animals’

4.3. Compounds

As a word-building strategy, Icétôd relies heavily on COMPOUNDING, joining two or more nouns together into a composite word. The first noun or pronoun in a compound retains its lexical root form (that is hyphenated throughout this book), including its lexical tone. The last noun in a compound takes whichever case ending the syntactic context calls for. For example, in the compound *riéwík* ‘goat kids’, the first root *rié*- ‘goat’ keeps its lexical form, while the second, *wicé*- ‘children’, has been modified by the nominative case suffix {-^a}. If compounding changes the tone of its constituent parts, it will be the first noun that affects the others. In the rare compound with three constituent nouns, the first two stay in their lexical form (not counting tone), while the third is inflected for case, for example in *Icémórídókàkà*- ‘cowpea leaves’, a compound of *Icé*- ‘Ik’, *mòrìdô*-

‘beans’, and *kaká-* ‘leaves’. In *Icé-móridó-kàkà-*, note that while the last two elements retain their lexical segments, their tone patterns have changed dramatically due to the influence of *Icé-* in spreading H tone.

Icétôd compounds create two kinds of new meaning: 1) a narrower, more specific meaning in which the first noun specifies the second, or 2) a completely novel, unpredictable meaning. An example of the first type would be *bubunóójà-* ‘ember-wound’ or ‘bullet wound’ where the first noun *bubuná-* ‘ember’ narrows down the possible references of *ójá-* ‘wound’ to a wound caused by a bullet. And an example of the second type of compounded meaning might be *óbijoets’í-* that literally means ‘rhino urine’ but is actually the name of a species of vine (that nonetheless was apparently the favorite urination spot of rhinos). Through both types of meaning, Icétôd compounds add a considerable amount of expressiveness and color to the language’s vocabulary.

In addition to the two broader semantic categories of compounds discussed above, five other categories of Icétôd compounds are recognized. These include the agentive, diminutive, internal, variative, and relational. Each of these is briefly touched on below.

4.3.1. Agentive

Icétôd forms AGENTIVE compounds by using the root *ámá-* ‘person’ (for singular) or *icé-* (for plural) as the last element in a compound. Although the root *icé-* simply means ‘Ik people’ when standing on its own, in the agentive construction it denotes plural agents. Here ‘agent’ is understood broadly as any person or thing that does or is whatever is characterized by the first element in the compound. The first element may be a noun, as in *deá-ámà-* ‘messenger, literally ‘foot-person’, or a verb as in *ɲwàxòni-àmà-* ‘lame person’, literally ‘to be lame person’. Note, however, that even though *ɲwàxòni* is a verb semantically, it has been deverbalized into a noun by the infinitive suffix {-òni}. Icétôd agentive compounds can be translated into English in various ways, depending on what is appropriate. Table 4.11 presents several example of singular and plural agentive compounds:

Table 4.11: Icétôd agentive compounds

Singular	Plural		
aká-ámà-	aká-icé-	mouth-person	‘talker’
ḡekésí-àmà-	ḡekésí-icé-	walking-person	‘traveler’
itelesí-ámà-	itelesí-icé-	watching-person	‘watchman’

kəŋɛ́sɪ-àmà-	kəŋɛ́sɪ-ícé-	cooking-person	‘cook’
ɲósomá-àmà-	ɲósomá-ícé-	studies-person	‘student’
sisiká-àmà-	sisiká-ícé-	middle-person	‘middle child’
yué-àmà-	yué-ícé-	lie-person	‘liar’

4.3.2. Diminutive

Icétôd forms DIMINUTIVE compounds by using the root *imá-* ‘child’ (for singular) and *wicé-* ‘children’ (for plural) as the second element in a compound. In the more literal interpretation, the first element is the animate being (animal or human) of which the second element is the ‘child’ or ‘children’, as in *dódô-ìmà-* ‘lamb’ or *dódô-wicé-* ‘lambs’. But when the first element is inanimate, the diminutive construction conveys a sense of ‘a small X’ or ‘small Xs’, for example *kɔ́fó-ìmà-* ‘a small gourd bowl’ and *kɔ́fó-wicé-* ‘small gourd bowls’. Lastly, the two interpretations can also get blurred, as when an animate being is perceived as smaller than normal but not as the child of anything. This can be seen, for instance, in the compound *ídèmè-ìmà-* ‘earthworm’, literally ‘snake-child’. Table 4.12 offers several more examples of the diminutive compound. Notice that when the whole construction is pluralized, both elements may get pluralized, as when *ámá-ìmà-* ‘someone’s child’ becomes *roba-wicé-* ‘someone’s (pl.) children’.

Table 4.12: Icétôd diminutive compounds

Singular	Plural		
ámá-ìmà-	roba-wicé-	person-child	‘someone’s child’
bàrò-ìmà-	bárítíní-wicé-	herd-child	‘small herd’
bísá-ìmà-	bísítíní-wicé-	spear-child	‘dart’
dómá-ìmà-	dómítíní-wicé-	pot-child	‘small pot’
gwá-ìmà-	gwá-wicé-	bird-child	‘chick’
ɲókí-ìmà-	ɲókítíní-wicé-	dog-child	‘puppy’
ójá-ìmà-	ójítíní-wicé-	sore-child	‘small sore’

4.3.3. Internal

So-called INTERNAL compounds are made with the bound nominal root *ajíká-* ‘among/inside’. When appended to plural noun, this nominal conveys a sense of interiority or internality to the noun. The internal compound, which is quite rare, is illustrated in Table 4.13:

Table 4.13: Icétôd internal compounds

Plural			Interl plural	
àwìkà-	‘homes’	→	awika-ajíkà-	‘in/among homes’
ríjìkà-	‘forests’	→	ríjìkà-ajíkà-	‘in/among forests’
sédìkà-	‘gardens’	→	sédìkà-ajíkà-	‘in/among gardens’

4.3.4. Variative

So-called VARIATIVE compounds are made with the bound nominal root *icíkà-* ‘various (kinds of)’. When appended to a noun, singular or plural, this nominal communicates a sense of variety or the multiplicity of type. As a kind of pluralizer itself, *icíkà-* is may be called upon to pluralize five kinds of nouns: 1) transnumeral nouns, 2) nouns not usually pluralizeable in the usual sense, 3) inherently plural nouns, 4) already pluralized nouns, and 5) verb infinitives. Table 4.14 presents one example for each of these five kinds of nouns that the variative bound nominal *icíkà-* can be used to pluralize:

Table 4.14: Icétôd variative compounds

Singular/Plural			Variative plural	
gwaá-	‘bird(s)’	→	gwa-icíkà-	‘kinds of birds’
cemá-	‘fights’	→	cemá-icíkà-	‘war’
mená-	‘issues’	→	mená-icíkà-	‘various issues’
dakwítíní-	‘trees’	→	dakwítíní-icíkà-	‘kinds of trees’
wetési-	‘to drink’	→	wetési-icíkà-	‘drinks’

4.3.5. Relational

Icétôd compounding is also used to create RELATIONAL nouns that express the spatial or structural relationship one thing has to another. As many languages do, Icétôd metaphorically extends body-part terminology to other non-bodily structural relationships. Table 4.15 presents some of the Icétôd body-part terms used metaphorically:

Table 4.15: Icétôd body-part terms with extended meanings

Root	Lexical meaning	Relational meaning
aká-	‘mouth’	‘entrance, opening’
aKatí-	‘nose’	‘handle, stem’
bakutsí-	‘chest’	‘front part’
bùbùl-	‘belly’	‘underside’
déá-	‘foot’	‘base, foot’

ekú-	‘eye’	‘center, point’
gúró-	‘heart’	‘core, essence’
iká-	‘head’	‘head, top’
kwayó-	‘tooth’	‘edge’
ṣabérí-	‘rib’	‘side’

So, in a relational compound, terms like those in Table 4.15 are the second element in the compound, a position in which they denote the ‘part’ in a ‘whole-part’ semantic relationship. Accordingly, the first element in the compound represents the ‘whole’ in the relationship. Table 4.16 displays a handful of such ‘whole-part’ compounds:

Table 4.16: Icétôd relational compounds

Roots	Lexical meaning	Relational meaning
aká-kwáyó-	mouth-tooth	‘lip’
dáṣá-àkà-	termite-mouth	‘termite mound hole’
dòdî-èkù-	vagina-eye	‘cervix’
fátára-bakutsí-	ridge-chest	‘front of vertical ridge’
fetí-ékù-	sun-eye	‘east’
kaideí-ákátí-	pumpkin-nose	‘pumpkin stem’
kwará-dèà-	mountain-foot	‘base of mountain’
kwaré-ékù-	mountain-eye	‘saddle b/w peaks’
taḃá-dèà-	boulder-foot	‘base of boulder’
ts’adĩ-ákà-	fire-mouth	‘flame’

5. Pronouns

5.1. Overview

Most Icétôd pronouns are free (separate) words, but the subject-agreement pronominals and the dummy pronominal are bound verbal suffixes (and are thus treated in §8 on verbs). The free pronouns discussed in this section fall into the following nine categories: personal, the impersonal possessum, indefinite, interrogative, demonstrative, relative, reflexive, distributive, and cohortative.

5.2. Personal pronouns

Icétôd PERSONAL PRONOUNS represent the various grammatical persons that can be referred to in a sentence. The name is slightly misleading in that the pronouns can also denote nonpersonal, inanimate entities expressed by ‘it’ and ‘they’ (when referring to things). The Icétôd personal pronoun system operates along three axes: person (1, 2, 3), number (SG, PL), and clusivity (EXC, INC). The ‘first person’ refers to ‘I’ and ‘we’, the second to ‘you’, and the third to ‘she’, ‘he’, ‘it’, and ‘they’. ‘Number’ (singular or plural) obviously has to do with whether the entity is one or more than one. And ‘clusivity’ (exclusive or inclusive) signifies whether the addressee of the speech is *excluded* from or *included* in the reference of ‘we’. Table 5.1 presents the seven Icétôd personal pronouns in their lexical forms, while Table 5.2 offeres a full case declension of them:

Table 5.1: Icétôd personal pronouns

1SG	ǰì- ǰì- ǰì-	‘I’
2SG	bì-	‘you’
3SG	ntsí-	‘s/he/it’
1PL.EXC	ɲgó-	‘we’
1PL.INC	ɲǰíní-	‘we all’
2PL	bitì-	‘you all’
3PL	ńtí-	‘they’

Table 5.2: Case declension of Icétoḍ personal pronouns

	‘I’		‘you’		‘s/he/it’		‘we’		‘we all’		‘you all’		‘they’	
	NF	FF	NF	FF	NF	FF	NF	FF	NF	FF	NF	FF	NF	FF
NOM	ḡkà	ḡk ^a	bìà	bì	ntsa	nts ^a	ḡgwa	ḡgw ^a	ḡjíná	ḡjín	bìtà	bìt ^a	ńtá	ńt ^a
ACC	ḡcià	ḡcik ^a	bìà	bìk ^a	ntsíá	ntsík ^a	ḡgóá	ḡgók ^a	ḡjínîá	ḡjíník ^a	bìtîà	bìtîk ^a	ńtîà	ńtík ^a
DAT	ḡciè	ḡcik ^e	bìè	bìk ^e	ntsíé	ntsík ^e	ḡgóé	ḡgók ^e	ḡjínîè	ḡjíník ^e	bìtîè	bìtîk ^e	ńtîè	ńtík ^e
GEN	ḡciè	ḡci	bìè	bì	ntsíé	ntsí	ḡgóé	ḡgó ^e	ḡjínîè	ḡjíní	bìtîè	bìtî	ńtîè	ńtí
ABL	ḡcùò	ḡcù	bùò	bù	ntsúó	ntsú	ḡgóó	ḡgó	ḡjínúò	ḡjínu	bìtùò	bìtù	ńtùò	ńtú
INS	ḡko	ḡk ^o	bùò	bù	ntso	nts ^o	ḡgo	ḡg ^o	ḡjínó	ḡjín ^o	bìtò	bìt ^o	ńtó	ńt ^o
COP	ḡcùò	ḡcùk ^o	bùò	bùk ^o	ntsúó	ntsúk ^o	ḡgóó	ḡgók ^o	ḡjínúò	ḡjínúk ^o	bìtùò	bìtùk ^o	ńtùò	ńtúk ^o
OBL	ḡci	ḡc ⁱ	bì	bì	ntsi	nts ⁱ	ḡgo	ḡg ^o	ḡjíní	ḡjín	bìtî	bìt ⁱ	ńtí	ńt ⁱ

5.3. Impersonal possessum pronoun

Icétôd also has a special pronoun whose only function is to represent a POSSESSUM, that is, an entity associated with another entity (a possessor) through a general relationship of possession. This special pronoun has the form *ení-* and is bound to another nominal in a compound construction. It is IMPERSONAL in that it communicates absolutely nothing about the possessor or the possessee except for the relationship of possession itself. The impersonal possessum pronoun can be in a compound with personal pronouns or other nouns. Table 5.3 shows *ení-* with all seven personal pronouns:

Table 5.3: Icétôd impersonal possessum with pronouns

nj-éní-	I-POSSESSUM	‘mine’
bi-éní-	you-POSSESSUM	‘yours’
nts-éní-	s/he/it-POSSESSUM	‘hers/his/its’
ŋgó-éní-	we-POSSESSUM	‘ours’
njíní-ènì-	we all-POSSESSUM	‘all of ours’
biti-éní-	you all-POSSESSUM	‘all of yours’
ńtí-ènì-	they-POSSESSUM	‘theirs’

The impersonal possessum pronoun *ení-* can also be used with full nouns (even deverbalized verbs) as the compound’s first element. This type of possessive construction is illustrated below in Table 5.4:

Table 5.4: Icétôd impersonal possessum with nouns

adóni-éní-	to be three-POSSESSUM	‘the third time’
cikámé-éní-	women-POSSESSUM	‘the women’s’
fiyó-éní	cattle-POSSESSUM	‘the foreigners’
Icé-éní-	Ik-POSSESSUM	‘the Iks’
ɲotó-éní-	men-POSSESSUM	‘the men’s’
roðe-éní-	people-POSSESSUM	‘the people’s’
wicé-éní-	children-POSSESSUM	‘the children’s’

5.4. Indefinite pronouns

Pronouns that are INDEFINITE stand for other entities but with a certain

degree of indefiniteness or vagueness. All but one of the Icétôd indefinite pronouns based on the root *kɔní-* ‘one’ or its plural counterpart *kíní-* ‘more than one’. The one that is not based on these roots is *saí-* ‘some more/other’, a root that may not actually belong with this set but is included on the basis of its English translation. Table 5.5 provides a run-down of the main Icétôd indefinite pronouns.

Table 5.5: Icétôd indefinite pronouns

<i>kɔní-</i>	one	‘another, some (sg.)’
<i>kón-ái-</i>	one-place	‘somewhere (else)’
<i>kóní-éní-</i>	one-POSSESSUM	‘a(n), some (sg.)’
<i>kɔní-ámà-</i>	one-person	‘somebody, someone’
<i>kón-ómà-</i>	one-SINGULATIVE	‘some unknown person’
<i>kíní-ámá-</i>	many-person	‘some unknown people’
<i>kíní-éní-</i>	many-POSSESSUM	‘some (pl.)’
<i>saí-</i>	some	‘some more, some other’

5.5. Interrogative pronouns

The role of INTERROGATIVE pronouns is to query the identity of the entity they represent. As a result, they are used in questions. All but one of the Icétôd interrogative pronouns are based on the ancient northeastern African interrogative particle **nd-/nt-*, and the one that is not has the form *ìsì-* ‘what’. The small handful of Icétôd interrogative pronouns are provided below in Table 5.6:

Table 5.6: Icétôd interrogative pronouns

<i>ìsì-</i>	what	‘what?’
<i>nd-ái-</i>	?-place	‘where?’
<i>ndò-</i>	who	‘who?’
<i>nt-</i>	?	‘where?’
<i>nté-éní-</i>	?-possessum	‘which (sg.)’
<i>ntí-éní-</i>	?-possessum	‘which (pl.)’

5.6. Demonstrative pronouns

Icétôd has a set of DEMONSTRATIVE pronouns that referentially ‘demonstrate’ or point to an entity. They are all based on the singular

form *dĩ-* ‘this (one)’ or the plural form *dĩ-* ‘these (ones)’ that differ formally only in regard to their vowel (/i/ versus /i/). The Icétôd demonstrative pronoun system is divided in three categories based on spatial distance from the speaker: 1) PROXIMAL, meaning near the speaker, 2) MEDIAL, meaning a short distance from the speaker, and 3) DISTAL, meaning relatively far from the speaker. The medial and distal forms, for both singular and plural, consist of the root *dĩ-/dĩ-* preceded by the cliticized distal demonstratives *ki* ‘that’ (derived from *ke*) for singular and *ki* ‘those’ for plural. Note further that the only difference between the medial and distal pronouns in the tone pattern whereby the medial form has a high tone on the last syllable, while the distal form does not. Table 5.7 presents the Icétôd demonstrative pronouns in their lexical forms, while Table 5.8 shows the case declensions of the proximal forms on which the other two are based:

Table 5.7: Icétôd demonstrative pronouns

	Singular		Plural	
Proximal	dĩ-	‘this’	dĩ-	‘these’
Medial	kidĩ-	‘that’	kidĩ-	‘those’
Distal	kidĩ-	‘that’	kidĩ-	‘those’

Table 5.8: Case declensions of the demonstrative pronouns

	Singular	Plural
NOM	dā	dā
ACC	dĩá	dĩá
DAT	děé	děé
GEN	děé	děé
ABL	dǔó	dǔó
INS	dó	dó
COP	dǔó	dǔó
OBL	dĩ	dĩ

5.7. Relative pronouns

The function of RELATIVE pronouns is to introduce a relative clause, a clause embedded in a main clause to specify the reference of an entity in the main clause. An amazing thing about the Icétôd relative

pronoun system is that it is tensed. That is, it is capable of encoding the time period at which the statement contained in the relative clause holds or held true. The five time periods covered by these pronouns are 1) non-past, 2) recent past (earlier today), 3) removed past (yesterday), 4) remote past (a while ago), and 5) remoter past (long ago).

The Icétôd relative pronouns are all enclitics based on the proto-demonstratives *na* ‘this’ and *ni* ‘these’. These forms are identical to non-past relative pronouns *na* ‘that/which’ and *ni* ‘that/which (pl.)’. To create the other tensed versions of these pronouns, the language has employed one prefix and several suffixes that are affixed to the base form. Table 5.9 presents the whole relative pronoun paradigm:

Table 5.9: Icétôd relative pronouns

	Singular	Plural	
Non-past	=na	=ni	‘that/which...’
Recent past	=náa	=níi	‘that/which...’
Removed past	=sina	=sini	‘that/which...’
Remote past	=nótso	=nútsu	‘that/which...’
Remoter past	=noo	=nuu	‘that/which...’

5.8. Reflexive pronoun

Icétôd has a REFLEXIVE pronoun that ‘reflects’ the impact of a verb back onto the subject of the verb. In other words, with the reflexive, the subject and object of an action is the same entity. The Icétôd reflexive pronoun has the form *así-* in the singular and *ásíkà-* in the plural which can be translated as ‘-self’ and ‘-selves’, respectively. Mostly likely, this pronoun is related to the word *as* ‘body’ in Sɔɔ/Tepeth, one of Icétôd’s sister Kuliak languages. This link is further supported by the fact that another way Icétôd expresses reflexivity is by using its own word for ‘body’, *nébù-*, as in *Isio náa kawukóídee binébùk^a* ‘Why did you chop yourself (lit. ‘your body’)?’.

The reflexive *así-* is used extensively as a way to make ‘middle’ verbs, that is, verbs somewhere between transitive and intransitive. For example, while the verb *ídzòn* ‘to discharge, emit’ is intransitive and the verb *ídzès* ‘to discharge, emit, shoot’ is transitive, the verb *ídzesa así* ‘to shoot across (lit. to ‘shoot -self’)’ is ‘middle’ because the subject and object of the shooting are the same entity.

The full case declensions of the reflexives is given in Table 5.10:

Table 5.10: Case declensions of the reflexive pronouns

	Singular		Plural	
	NF	FF	NF	FF
NOM	asa	as	ásíkà	ásík ^a
ACC	asíá	asík ^a	ásíkàà	ásíkàk ^a
DAT	asíé	asík ^é	ásíkèè	ásíkàk ^é
GEN	asíé	así	ásíkèè	ásíkà ^é
ABL	asúó	asú	ásíkòò	ásíkà ^ó
INS	asɔ	as ^ó	ásíkɔ	ásík ^ó
COP	asúó	asúk ^ó	ásíkòò	ásíkàk ^ó
OBL	así	as	ásíkà	ásík ^a

6. Demonstratives

6.1. Overview

Icétôd’s DEMONSTRATIVES grammatically point to a referent. In the

case of NOMINAL demonstratives, the referent is an entity named by a noun, whereas ADVERBIAL demonstratives point to scene or situation of some sort. The Icétôd nominal demonstratives are all ENCLITICS that come just after their host (the referent), as in *ámá=nà* ‘this person’. Because the locative adverbial demonstratives function as adverbs, they tend to come at the end of the clause they are modifying.

6.2. Spatial demonstratives

Icétôd’s SPATIAL DEMONSTRATIVES locate their referent in physical space in degrees of distance from the speaker. For singular referents, there are three degrees of distance: PROXIMAL (near), MEDIAL (somewhat distant), and DISTAL (more distant). For plural referents, the language only distinguishes only proximal and distal. The singular demonstratives are usually translated into English as ‘this’ and ‘that’ and the plural ones as ‘these’ or ‘those’. Table 6.1 below presents the whole set of spatial nominal demonstratives:

Table 6.1: Icétôd spatial demonstratives

	Singular		Plural	
	NF	FF	NF	FF
Proximal	=nà	=n	=nì	=n
Medial	=nè	=n		
Distal	=kè	=k ^e	=kì	=k□

6.3. Temporal demonstratives

The TEMPORAL DEMONSTRATIVES locate their referent in five periods of time: NON-PAST (present and future), RECENT past (earlier today), REMOVED past (yester-), REMOTE past (a while ago before yesterday), and REMOTEST past (long ago). The language has both singular and plural temporal nominal demonstratives, and these are listed below in Table 6.2. These temporal demonstratives are usually translated into English as ‘this’ and ‘that’ in the singular, and ‘these’ and ‘those’ in the plural, but with a sense of time rather than location.

Table 6.2: Icétôd temporal demonstratives

	Singular		Plural	
	NF	FF	NF	FF

Non-past	=nà	=n	=nì	=n
Recent past	=náà	=nák ^a	=nî	=ník□
Removed past	=sìnà	=sìn	=sìnì	=sìn
Remote past	=nótsò	=nótsò	=nútsù	=nútsù
Remotest past	=nòò	=nòk ^o	=nùù	=nùk ^u

6.4. Anaphoric demonstratives

The ANAPHORIC DEMONSTRATIVES locate their referent not in space or time *per se* but in *shared communicative context*. In other words, they point back to a referent that has either been mentioned already in the same discourse or is already known by both speaker and hearer by some other means. Icétôd has a singular and a plural anaphoric demonstrative which are clitics that have the same form in both non-final and final environments. These anaphorical demonstratives, usually translated into English as ‘that’ in the singular and ‘those’ in the plural, are shown below in Table 6.3:

Table 6.3: Icétôd anaphoric demonstratives

Singular	Plural
=déé	=díí

6.5. Adverbial demonstratives

6.5.1. Overview

Besides the three types of nominal demonstratives described above, Icétôd also has a complex system of ADVERBIAL DEMONSTRATIVES that involve both locative and anaphoric locative reference. Unlike the nominal demonstratives, the adverbial demonstratives are technically nouns themselves in that they are marked for case and can take their own nominal demonstratives. Their function, however, is adverbial.

6.5.2. Locative adverbial demonstratives

The first type of adverbial demonstrative, the LOCATIVE ADVERBIAL DEMONSTRATIVE, locates the state or even expressed in a clause in physical space. Icétôd has three sets of such demonstratives. Sets 1 and 2 are built on degree of distance (see Table 6.4 below), while Set 3, in addition to degree of distance, is also split into singular and plural. These demonstratives are usually translated into English as

‘here’, ‘there’, ‘over there’, etc., depending on relative distance.

Table 6.4: Icétôd locative adverbial demonstratives

	Set 1	Set 2
Proximal		náxánà- (=nà)
Medial	nédì- (=nè)	
Distal	kédì- (kè)	kíxánà- (=kè)
Set 3	Singular	Plural
Proximal	naí- (=nà)	nií- (=nì)
Medial	naí- (=nè)	
Distal	kóó (=kè)	kií- (=kì)

6.5.3. Anaphoric locative demonstratives

The second type of Icétôd adverbial demonstratives is ANAPHORIC LOCATIVE. Like the locative nominal demonstratives, these point to a specific place—or metaphorically, a specific time—while also signifying anaphorically that that place or time is already known, either from earlier in the discourse or for some other reason. Icétôd has two such demonstratives with roughly the same meaning, and these are *ts’édé-* and *tumédé-* ‘there/then’. Because these are actually nouns, Table 6.5 presents a case declension of them:

Table 6.5: Case declension of anaphoric locative demonstratives

	‘there’	‘there’
NOM	ts’édá	tuméda
ACC	ts’édéá	tumédéá
DAT	ts’édéé	tumédéé
GEN	ts’édéé	tumédéé
ABL	ts’édóó	tumédóó
INS	ts’édó	tumédó
COP	ts’édóó	tumédóó
OBL	ts’édé	tumédé

7. Case

7.1. Overview

Icétôd has a CASE system. This means that every noun has a special marking to show what role it has in the sentence. Icétôd marks this role by means of a set of case suffixes (endings). Four of the cases are marked with suffixes consisting of a single vowel, while for three others, the suffix consists of /k/ plus a vowel. Another case, the oblique, is marked by the absence of a suffix. In the following examples, notice how the word *ηόκί*- ‘dog’ at the end of each sentence has a different ending depending on the case for which it is marked:

- (1) *Atsa* *ηók^a*.
come:3SG dog:NOM
‘The dog comes.’
- (2) *Cεa* *boroka* *ηókík^a*.
kill:3SG bushpig:NOM dog:ACC
‘The bushpig kills the dog.’
- (3) *Maa* *eméá* *ηókík^e*.
give:3SG meat:ACC dog:DAT
‘He gives meat to the dog.’
- (4) *Mita* *ima* *ηókí*.
be:3SG child:NOM dog:GEN
‘It is the child of the dog.’
- (5) *Xεβα* *ηókú*.
fear:3SG dog:ABL
‘He fears the dog.’
- (6) *Kaa* *ηók^o*.
go:3SG dog:INS
‘He goes with the dog.’
- (7) *Benía* *ηókúk^o*.
not.be:3SG dog:COP
‘It is not a dog.’
- (8) *Mita* *ηókⁱ*.
be:3SG dog:OBL
‘It is a dog.’

Eight examples are above given because Icétôd has eight cases: nominative, accusative, dative, genitive, ablative, instrumental, copulative, and oblique. Table 7.1 below presents the non-final and final forms of the suffixes that mark all eight of these cases. Keep in

mind that the null symbol <Ø> signifies either 1) that the case suffix is inaudible or, for the oblique case, 2) that there is no case suffix.

Table 7.1: Icétôd case suffixes

Case	Abbreviation	Non-final	Final
Nominative	NOM	-a	- ^a /-Ø
Accusative	ACC	-a	-k ^a
Dative	DAT	-e	-k ^e
Genitive	GEN	-e	-e/-Ø
Ablative	ABL	-o	- ^o /-Ø
Instrumental	INS	-o	- ^o /-Ø
Copulative	COP	-o	-k ^o
Oblique	OBL	-Ø	-Ø

From Table 7.1, there may appear to be significant ambiguity in the Icétôd case system. For instance, the non-final forms of the nominative and accusative suffixes, the dative and genitive suffixes, and the ablative, instrumental, and copulative suffixes all look the same. In most cases, the key to disambiguating the suffixes is something called SUBTRACTIVE morphology. Some of the Icétôd case suffixes are subtractive in that they subtract or delete the final vowel of the noun to which they attach. The subtractive cases are the nominative and the instrumental. So, for example, while the non-final forms of the nominative and accusative are identical, their morphological behavior is not: the nominative {-a} subtracts the noun's final vowel, as when *ηókí-* 'dog' becomes *ηók-á* 'dog:NOM'; by contrast, the accusative suffix is non-subtractive, as in *ηókí-à* 'dog:ACC'. Other case ambiguities like genitive versus dative and ablative versus copulative in their non-final forms can be resolved in the context of the sentence. Different verbs require different cases.

Since every Icétôd noun ends in a vowel, and since that vowel can be any of the nine (/i, i, e, ε, a, ɔ, o, u, u/), the collision of nouns and case suffixes gives rise to all kinds of vowel assimilation (see §2.4.4). The next two tables present declensions of two nouns illustrating vowel assimilation. Table 7.2 shows the noun *fetí-* 'sun' declined for all eight cases. In particular, notice how the vowel /o/ in the ablative and copulative suffixes partially assimilate the /i/ in *fetí-* to become /u/.

Table 7.2: Case declension of *fetí-* 'sun'

Case	Non-final	Final
NOM	feta	fet ^a
ACC	fetíá	fetík ^a
DAT	fetíé	fetík ^e
GEN	fetíé	fetí
ABL	fetúó	fetú
INS	feto	fet ^o
COP	fetúó	fetúk ^o
OBL	feti	fet ⁱ

While Table 7.2 shows partial vowel assimilation caused by case suffixation, Table 7.3 shows an instance of total assimilation. In this table, the noun *kíjá-* ‘land’ is declined for all the eight cases. Specifically, see how the final /a/ of *kíjá-* gets totally assimilated by the non-final dative, genitive, ablative, and copulative suffixes.

Table 7.3: Case declension of *kíjá-* land’

Case	Non-final	Final
NOM	kíjá	kíj ^a
ACC	kíjáà	kíják ^a
DAT	kíjéè	kíják ^e
GEN	kíjéè	kíj ^e
ABL	kíjóò	kíj ^o
INS	kíjó	kíj ^o
COP	kíjóò	kíják ^o
OBL	kíjá	kíj ^a

7.2. Nominative

The NOMINATIVE case, marked by the suffix {-a}, is the ‘naming’ case whose role is to do the following: 1) mark the subject of main clauses, 2) mark the subject of sequential clauses (see §8.10.7), and 3) mark the direct object of clauses with 1st and 2nd person subjects (‘I’, ‘we’, ‘you’). Three examples are provided below, each one illustrating one of the three grammatical roles of the nominative case. The third example contains seven sentences to show how Icétôd object-marking is SPLIT.

That is, objects after 3rd-person subjects take the accusative case, while 1st or 2nd-person subjects take objects in the nominative case.

- (9) Subject of a main clause
Atsáá ləŋɔt-a.
 come:PRF enemies-NOM
 ‘The enemies have come!’
- (10) Subject of a sequential clause
Tobuo kakaam-a kúlábák^a.
 spear:SEQ hunter-NOM bushbuck:ACC
 ‘And the hunter speared the bushbuck.’
- (11) Object of a clause with a 1/2-person subject
- (a) *Dkáá tɔbɔŋ-a na.*
 eat:1SG mush-NOM this
 ‘I eat this meal mush.’
- (b) *Dkáda tɔbɔŋ-a na.*
 eat:2SG mush-NOM this
 ‘You eat this meal mush.’
- (c) *Dká tɔbɔŋɔ́-á na.*
 eat:3SG mush-ACC this
 ‘She eats this meal mush.’
- (d) *Dkáímá tɔbɔŋ-a na.*
 eat:1PL.EXC mush-NOM this
 ‘We eat this meal mush.’
- (e) *Dkáísína tɔbɔŋ-a na.*
 eat:1PL.INC mush-NOM this
 ‘We all this meal mush.’
- (f) *Dkáítá tɔbɔŋ-a na.*
 eat:2PL mush-NOM this
 ‘You all eat this meal mush.’
- (g) *Dkááta tɔbɔŋɔ́-á na.*
 eat:3pl mush-ACC this
 ‘They eat this meal mush.’

7.3. Accusative case

The ACCUSATIVE case, marked by the suffix {-ka}, is split with regard to its basic function. One of its basic functions, that for which it is named, is to mark the direct object of any clause with a 3-person subject. Its other common function is to mark the subject *and* any object of several kinds of subordinate (dependent) clauses (including relative and temporal clauses). Each of these functions is exemplified by one of the following example sentences. In the first example, a

sentence with a 1-person subject is also given to show the contrast:

- (12) Direct object of a clause with a 3-person subject
 (a) *Wetésátà mèsè-à mùn.*
 drink:FUT:3PL beer-ACC all
 ‘They will drink all the beer.’
 (b) *Wetésímà mès-à mùn.*
 drink:FUT:1PL.EXC beer-NOM all
 ‘We will drink all the beer.’
- (13) Subject and object of a subordinate clause
 (a) *Mee kóróḃadi*
 give:IMP thing:OBL
 [náa jícia detí.]
 that I-ACC bring:1SG
 ‘Give me the thing that I brought earlier.’
 (b) *[Noo ṅgó-á bédĩmēē bi-a],...*
 when we-ACC want:1PL.EXC you-ACC
 ‘When we were looking for you,...’

7.4. Dative

The DATIVE case, marked by the suffix {-ke}, is the ‘to’ or ‘in’ case whose role is to mark indirect or secondary objects. These secondary objects may encode semantic roles like: destination, location, reception, perception, possession, and purpose. Each of these is illustrated by one of the following example sentences:

- (14) Destination
Keesiá awá-ke.
 go:FUT:1SG home-DAT
 ‘I’m going home.’
- (15) Location
Ia sédà-ke.
 be:3SG garden-DAT
 ‘She’s in the garden.’
- (16) Reception
Tòkórátà kabasáá ròḃà-ke.
 divide:3PL flour:ACC people-DAT
 ‘They are dividing out flour to people.’
- (17) Perception
Ibálá jìcì-è zùk^u.
 appall:3SG I-DAT very
 ‘It really appalls me.’ (Lit: ‘It is very appalling to me.’)

- (18) Possession
Ia hyɔa ntsí-k^e.
 be:3SG cattle:NOM he-DAT
 ‘He has cattle.’ (Lit: ‘There are cattle to him.’)
- (19) Purpose
Kaa nera dakúákò-k^e.
 go:3SG girls:NOM wood-inside-DAT
 ‘The girls go for firewood.’

7.5. Genitive

The GENITIVE case, marked by the suffix {-e}, is the ‘of’ case whose role is to encode a possessive or associative relationship a noun has with another noun (or, in rare cases, with a verb). Within the broad notions of possession and association are finer nuances like: ownership, part-whole relationship, kinship, and attribution. These nuances are each illustrated with an example sentence below:

- (20) Ownership
Hónini hyɔa ntí-e bórék^e.
 drive:SEQ cattle:ACC they-GEN corral:DAT
 ‘And they drove their cattle to the corral.’
- (21) Part-whole relationship
Wasá deede kwará-^e.
 stand:3SG foot:DAT mountain-GEN
 ‘He’s standing at the foot of the mountain.’
- (22) Kinship
Míná cekía ntsí-é zùk^u.
 love:3SG wife:ACC he-GEN very
 ‘He loves his wife very much.’
- (23) Attribution
Maráŋá muceá bì-^ø.
 good:3SG way:NOM you-GEN
 ‘Your luck is good.’ (Lit: Your way is good.)

The genitive case has two further roles. One is the NOMINALIZATION of clauses, that is, when a whole clause is reduced to noun phrase that can be used as a subject or object in another clause. For example, the clause *Ceíkɔta náa eakwa ídèmèk^a* ‘The man killed the snake’ can be compressed into the nominalized *ceésúkɔta eakwée ídèmè* ‘the killing of the man of the snake’ or ‘the man’s killing of the snake’. The other secondary role of the genitive has to do with verb *kámón* ‘to be like’. For unknown historical reasons, this verb requires genitive case

marking on its complement, as in *Kámá ròbèè m̀̀n* ‘He’s like all

people’, where *ròbè-è* is parsed as ‘people-GEN’.

7.6. Ablative

The ABLATIVE case, marked by the suffix {-o}, is the ‘from’ case whose function is to mark objects with the following semantic roles: origin/source, cause, stimulus, source of judgment, location of activity (versus static location covered by the dative case). Each of these concepts are illustrated with one example apiece below:

- (24) Origin/source
Atsia awá-°.
come:1SG home-ABL
‘I come from home.’
- (25) Cause
Badukota noo jékè-°.
die:3SG past hunger-ABL
‘He died from hunger.’
- (26) Stimulus
Xéba jérà-°.
fear:3SG girls-ABL
‘He’s shy of girls.’
- (27) Source of judgment
Daa jicù-°.
nice:3SG I-ABL
‘It’s nice to me.’
- (28) Location of activity
Cemáta sédikà-°.
fight:3PL gardens-ABL
‘They are fighting in the gardens.’

7.7. Instrumental

The INSTRUMENTAL case, marked by the suffix {-o}, is the ‘by’ or ‘with’ case. Unlike the ablative suffix {-o}, the instrumental suffix is subtractive, meaning it first deletes the noun’s final vowel. The function of the instrumental case is to mark secondary objects with such semantic roles as: instrument/means, pathway, accompaniment, manner, time, and occupation. Each of these nuances is illustrated by one sentence each in the following examples:

- (29) Instrument/means
Tobíá noo gasoa bis-°.

- spear:1SG past warthog:NOM spear-INS
 ‘I speared a warthog with a spear.’
- (30) Pathway
Kaini fots-o gígìròk^e.
 go:3PL ravine-INS downside:DAT
 ‘And they went down by way of the ravine.’
- (31) Accompaniment
Atsímá naa kúrúbád-o ngó^e.
 come:1PL past things-INS we:GEN
 ‘We came with our things.’
- (32) Manner
Rajétuo ncie gáánàs-².
 answer:3SG I:DAT badness-INS
 ‘He answered me with hostility.’
- (33) Time
Biraa neka ódoicik-ó ni.
 lack:3SG hunger:NOM days-INS these
 ‘There is no hunger these days.’
- (34) Occupation
Cema fítés-o kwázìkà^e.
 fight:3SG washing-INS clothes:GEN
 ‘She’s washing clothes.’ (Lit. ‘She is fighting with the washing of clothes.’)

7.8. Copulative

The COPULATIVE case, marked by the suffix {-ko}, is the ‘is’ or ‘coupling’ case whose function is to link one noun to another in a relationship of exact identity. In this function, the copulative marks three kinds of nouns: 1) a focused (fronted) noun, 2) the complement of a verbless copula (identity) clause, and 3) the complement of a negative copula of identity clause. These different uses of the copulative are demonstrated in the following sentences.

- (35) Fronted noun
- (a) Fronted subject
Dgó-ó naa wetím.
 we-COP past drink:1PL.EXC
 ‘It was we (who) drank (it).’
- (b) Fronted object
Emó-ó bédĩ.
 meat-COP want:1SG
 ‘It is meat (that) I want.’

(c) Fronted secondary object

Nekeɔ-ɔ kaiátèè kàkààkàkè.
hunger-COP go:PLUR:3PL hunt:inside:DAT

‘It is (due to) hunger (that) they keep going hunting.’

(36) Verbless copula complement

Ìsù-kò? Ámó-o kede...? Ámá-kò.
what-COP person-COP or person-COP

‘What is it? A person or...? It’s a person.’

(37) Negative copula complement

Bena náá jìcù-kò.
not.be:3SG past I-COP

‘It was not me!’

7.9. Oblique

The OBLIQUE case, marked by the absence of any suffix, is the ‘leftover’ case. As such, it is employed to mark nouns in a variety of disparate grammatical roles and functions. Among these are the following: 1) The subject and/or object of an imperative clause, 2) the subject and/or object of an optative clause, 3) the object of a preposition, and 3) a vocative noun. Each of these are demonstrated by at least one sentence in the examples below:

(38) Subject and/or object of an imperative clause

Deté bi cue díí!
bring:IMP you:OBL water:OBL those

‘You bring that water!’

(39) Subject and/or object of an optative clause

Ŋci nesíbine emuti ntsí.
I:OBL listen:1SG:OPT story:OBL he:GEN

‘Let me listen to her story.’

(40) Object of a preposition

(a) *Túbia ima jícia páka aw^a.*
follow:3SG child:NOM I:ACC until home:OBL

‘The child follows me up to home.’

(b) *Kirotánía kóteré hyekesi bì.*
sweat:1SG for life:OBL you:GEN

‘I sweat for your survival.’

(41) Vocative

(a) *Éé wice, atsú!*
hey children:OBL come:IMP

‘Hey children, come!’

8. Verbs

8.1. Overview

Icétôd verbs consist of a verbal root (written in this book with a hyphen, as in *wèt-* ‘drink’) and a variety of available derivational and inflectional suffixes. The language has no prefixes except those borrowed centuries ago that no longer have any active function, for example the /a/ in *ábùbùk-* ‘bubble’ or the /i/ in *ibóóór-* ‘hollow out’. Reduplicating a verb root, partially or totally, has long been a strategy for creating a sense of continuousness or repetitiveness, as when *itsán-* ‘disturb’ becomes *itsánitsán-* ‘torment relentlessly’.

The language employs a large number of suffixes to create longer verb stems. Among these are the infinitive and other deverbalizing suffixes that change a verb into a morphological noun that can take case endings, demonstratives, relative clauses, etc. One very key verb-building strategy of Icétôd is the so-called directional suffixes that signify the direction of the verb’s movement to or away from the speaker. These two directionals have also been extended metaphorically to express the beginning or completion of actions or processes. Another set of verbal suffixes deal with voice and valency, that is, the number of objects the verb requires. Among these are the passive, impersonal passive, middle, causative, and reciprocal.

Once a verb is taken from the mental lexicon and used in speech, it often requires subject-agreement marking, which Icétôd does with pronominal affixes. Icétôd also boasts a special verbal suffix, the ‘dummy pronoun’, that goes on the verb whenever a peripheral argument, like a place or time designation, has been (re)moved.

The Icétôd verbal system has variety of verbal paradigm based on mood and aspect. The basic distinction in mood is between realis and irrealis, or things that have happened and things that have not (yet). Other modal distinctions include the optative, subjunctive, imperative, and negative. As for aspect, the specification of the internal structure of a verb—complete or incomplete—Icétôd has suffixes that mark present perfect, intentional-imperfective, pluractional, sequential, and simultaneous. Lastly, Icétôd exhibits a special set of adjectival suffixes to cover the language’s need to express adjectival concepts.

8.2. Infinitives

8.2.1. Intransitive

INTRANSITIVE verbs are those that allow only a subject—a direct

object does not figure into its semantic schema. The Icétôd intransitive infinitive suffix is {-òni-}. It converts an intransitive verb to a morphological noun that can be used as a noun in a noun phrase. As such, it can be fully declined for case. The infinitive is the citation form of a verb, the form one cites in a dictionary or in isolation. Table 8.1 gives a few examples of intransitive infinitives from the lexicon:

Table 8.1: Icétôd intransitive infinitives

Root	Intransitive infinitive	
ákáf-	ákáfòn	‘to yawn’
bòt-	bòtòn	‘to migrate’
cì-	cìòn	‘to be satiated’
dód-	dódòn	‘to hurt’
èf-	èfòn	‘to be tasty’
gwìr-	gwìròn	‘to squirm’
ikú-	ikúón	‘to howl’

Because the infinitive is a morphological noun, it can be fully declined for case. Table 8.2 gives the case declension of the verb *wàtòni-* ‘to rain’ which shows the vowel harmony effects on [+ATR] vowels. Table 8.3 does the same for the [-ATR] verb *wédòni-* ‘to detour’.

Table 8.2: Case declension of *wàtòni-* ‘to rain’

	Non-final	Final
NOM	wàtònà	wàtòn
ACC	wàtònìà	wàtònìk ^a
DAT	wàtònìè	wàtònìk ^c
GEN	wàtònìè	wàtònì
ABL	wàtònùò	wàtònù
INS	wàtònò	wàtòn ^o
COP	wàtònùò	wàtònùk ^o
OBL	wàtònì	wàtòn

Table 8.3: Case declension of *wédòni-* ‘to detour’

	Non-final	Final
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NOM	wédòná	wédòn
ACC	wédònìà	wédònìk ^a
DAT	wédònìè	wédònìk ^e
GEN	wédònìè	wédònì
ABL	wédònùò	wédònù
INS	wédònò	wédòn ^o
COP	wédònùò	wédònùk ^o
OBL	wédònì	wédòn

8.2.2. Transitive

TRANSITIVE verbs are those that admit a subject *and* a direct object into its semantic schema. The Icétôd transitive infinitive suffix is {-ésí-}. It converts a transitive verb to a morphological noun that can be used as a noun in a noun phrase. As such, it can be fully declined for case. Table 8.4 provides a few examples of transitive infinitives:

Table 8.4: Icétôd transitive infinitives

Root	Transitive infinitive	
ágùj-	águjés	‘to gulp’
ban-	banés	‘to sharpen’
céb-	cébès	‘to roughen’
dód-	dódés	‘to point at’
erég-	erégès	‘to employ’
gíj-	gíjés	‘to shave’
ìlók-	ìlòkès	‘to dissolve’

Because the infinitive is a morphological noun, it can be fully declined for case. Table 8.5 gives the case declension of the verb *wetési-* ‘to drink’ that shows the vowel harmony effects on [+ATR] vowels. Table 8.6 does the same for the [-ATR] verb *wets’ési-* ‘to knap’.

Table 8.5: Case declension of *wetési-* ‘to drink’

	Non-final	Final
NOM	wetésá	wetés
ACC	wetésìà	wetésík ^a

DAT	wetésìè	wetésík ^e
GEN	wetésìè	wetésí
ABL	wetésúò	wetésú
INS	wetésó	wetés ^o
COP	wetésúò	wetésúk ^o
OBL	wetésí	wetés

Table 8.6: Case declension of *wets'ésí*- 'to knap'

	Non-final	Final
NOM	wets'ésá	wets'és
ACC	wets'ésìà	wets'ésík ^a
DAT	wets'ésìè	wets'ésík ^e
GEN	wets'ésìè	wets'ésí
ABL	wets'ésúò	wets'ésú
INS	wets'ésó	wets'és ^o
COP	wets'ésúò	wets'ésúk ^o
OBL	wets'ésí	wets'és

8.2.3. Semi-transitive

So-called SEMI-TRANSITIVE verbs fall between transitive and intransitive in that they take an object, but the object is the reflexive pronoun *así*- '-self'. This means that semi-transitive verbs are morphologically transitive but almost intransitive semantically. Another name for this is 'middle' (although see another Icétôd middle verb in §8.6.3). Table 8.7 provides a sample of semi-transitive verbs from the lexicon. No case declension is given for these because they decline the same way as the transitive infinitives above in §8.2.2.

Table 8.7: Icétôd semi-transitive infinitives

Root	Semi-transitive infinitive
bal- 'ignore'	balésá así 'to neglect -self'
hod- 'free'	hoděsá así 'to get freed'
iríts- 'keep'	irítsesa así 'to control -self'
iróts- 'fling'	irutsesa así 'to race across'

itĩḡ-	‘force’	itĩḡsa así	‘to force -self’
kək-	‘close’	kəkésá así	‘to cover -self’
toḡ-	‘spear’	toḡésá así	‘to shoot across’

8.3. Deverbalizers

8.3.1. Abstractive

The ABSTRACTIVE suffix {-así-} can be used to replace the intransitive suffix {-òní-} to convert an intransitive verb to an abstract noun, for example when *háḃòn* ‘to be hot’ becomes *háḃàs* ‘heat’. Table 8.8 gives examples of abstract nouns derived from intransitive verbs:

Table 8.8: Icétôd abstract nouns derived from verbs

Intransitive infinitive	Abstract noun
ḡaḡòṇ ‘to be loose’	ḡaḡás ‘looseness’
èfòṇ ‘to be tasty’	èfás ‘(tasty) fat’
gaanón ‘to be bad’	gaánàs ‘badness’
fiyètòṇ ‘to be fierce’	fiyetás ‘fierceness’
kòmòṇ ‘to be many’	komás ‘manyness’
ḡwàxòṇ ‘to be disabled’	ḡwaxás ‘disability’
xèḡòṇ ‘to be shy’	xèḡás ‘shyness’

Because verbs deverbalized by the abstractive suffix are morphological nouns, they are fully declined for case. Table 8.9 gives one such case declension of the abstract noun *kudásí*- ‘shortness’:

Table 8.9: Case declension of *kudásí*- ‘shortness’

	Non-final	Final
NOM	kudásá	kudás
ACC	kudásíà	kudásík ^a
DAT	kudásíè	kudásík ^e
GEN	kudásíè	kudásí
ABL	kudásúḡ	kudású
INS	kudásó	kudás ^o
COP	kudásúḡ	kudásúk ^o

8.3.2. Behaviorative

The BEHAVIORATIVE suffix {-nàné̀sì-} first converts a noun to a verb and then the verb back into an abstract noun. (It is probably a complex suffix in which {(n)an-} is the denominalizing element related to the stative suffix from §8.11.4 and {-esi-} the deverbalizing element related to the transitive suffix from §8.2.2. or the abstractive suffix from §8.3.1) Regardless of its composition, the suffix as a whole gives a noun-based stative concept the meaning of an abstract noun, as when *ámá-* ‘person’ becomes *ámánàné̀s* ‘personhood’ or ‘personality’.

Table 8.10 provides a few example of the behaviorative abstract noun:

Table 8.10: Icétôd behaviorative abstract nouns

Noun root	Behaviorate noun
babatí- ‘his/her father’	babatínánè̀s ‘fatherhood’
cekí- ‘woman’	cekínánè̀s ‘womanhood’
dzɔ́dátí- ‘rectum’	dzɔ́dátínánè̀s ‘grabbiness’
dzúú- ‘theft’	dzúnánè̀s ‘thievery’
imá- ‘child’	imánánè̀s ‘childhood’
lɔ́ɔ́tá- ‘enemy’	lɔ́ɔ́tánánè̀s ‘enmity’
ɲókí- ‘dog’	ɲókínánè̀s ‘poverty’

Because behavioratives are nouns, they are declined for case. Table 8.11 gives the case declension for the word *eakwánánè̀sì-* ‘manhood’.

Table 8.11: Case declension of *eakwánánè̀sì-* ‘manhood’

	Non-final	Final
NOM	eakwánánè̀sà	eakwánánè̀s
ACC	eakwánánè̀sìà	eakwánánè̀sìk ^a
DAT	eakwánánè̀sìè	eakwánánè̀sìk ^e
GEN	eakwánánè̀sìè	eakwánánè̀sì
ABL	eakwánánè̀sùò	eakwánánè̀sù
INS	eakwánánè̀sò	eakwánánè̀s ^o
COP	eakwánánè̀sùò	eakwánánè̀sùk ^o

8.4. Directionals

8.4.1. Venitive

The VENITIVE suffix {-ét-} denotes a direction *toward* a deictic center, usually (but not always) the speaker. It can be translated variously as ‘here’, ‘this way’, ‘out’, or ‘up’, but it is the Middle English word ‘hither’ that captures its essence perfectly. The venitive suffix comes between the verb root and the verbal infinitive, whether intransitive or transitive. It can be used to augment any verb whose meaning includes motion or movement of any kind. Table 8.14 gives a few examples:

Table 8.14: Icétôd venitive verbs

Intransitive		Transitive	
arétón	‘to cross this way’	béberetés	‘to pull this way’
h̥yotógètòn	‘to approach here’	ḏ̥arétés	‘to pull out’
iléétòn	‘to come visit’	futetés	‘to blow this way’
irímétòn	‘to rotate this way’	h̥onetés	‘to drive out’
ḡkéétòn	‘to get up’	iriḡetés	‘to turn this way’
téétòn	‘to fall down’	iteletés	‘to watch here’
t̥awétón	‘to sprout up’	sebetés	‘to sweep up’

Venitive infinitives are morphological nouns and thus are declined for case. But since they end with intransitive or transitive suffixes, the reader is referred to §8.2.1 and §8.2.2 for case declensions.

8.4.2. Andative

The ANDATIVE suffix {-uḡot-} denotes motion *away from* a deictic center, usually the speaker (but not always). It can be translated variously as ‘away’, ‘off’, ‘out’, ‘that way’, or ‘there’, but it is the Middle English word ‘thither’ that captures its essence perfectly. Unlike the venitive suffix, the andative comes after both the verbal root and the infinitive suffix (in an infinitive). It can be used to augment any verb whose meaning includes motion or movement of any kind. Table 8.15 provides a few examples of andative verbs:

Table 8.15: Icétôd andative verbs

Intransitive		Transitive	
aronuḡot ^a	‘to cross that way’	h̥onésúḡot ^a	‘to drive off/away’

botonukot ^a	‘to move away’	idžésukot ^a	‘to hide way’
burɔnukot ^a	‘to fly off/away’	idzesukot ^a	‘to shoot (away)’
iðákónukot ^a	‘to go next to’	ígorésúkot ^a	‘to cross over’
isépónukot ^a	‘to flow away’	kanésúkot ^a	‘to take away’
kúbonukot ^a	‘to go out of sight’	makésúkot ^a	‘to give away’
tulúñónukot ^a	‘to storm off’	tɔrésúkot ^a	‘to toss away’

Because the andative suffix comes after infinitive suffixes, whenever an andative infinitive is declined for case, it is the andative suffix that takes case endings. Table 8.16 gives a declension of the [+ATR] andative verb *séðésukotí-* ‘to sweep off’, while Table 8.17 gives a similar declension for the [-ATR] verb *sekésúkotí-* ‘to scrub off’:

Table 8.16: Case declension of *séðésukotí-* ‘to sweep off’

	Non-final	Final
NOM	séðésukota	séðésukot ^a
ACC	séðésukotíá	séðésukotík ^a
DAT	séðésukotíé	séðésukotík ^e
GEN	séðésukotíé	séðésukotí
ABL	séðésukotúó	séðésukotú
INS	séðésukoto	séðésukot ^o
COP	séðésukotúó	séðésukotúk ^o
OBL	séðésukoti	séðésukot□

Table 8.17: Case declension of *sekésúkotí-* ‘to scrub off’

	Non-final	Final
NOM	sekésúkota	sekésúkot ^a
ACC	sekésúkotíá	sekésúkotík ^a
DAT	sekésúkotíé	sekésúkotík ^e
GEN	sekésúkotíé	sekésúkotí
ABL	sekésúkotúó	sekésúkotú
INS	sekésúkoto	sekésúkot ^o
COP	sekésúkotúó	sekésúkotúk ^o
OBL	sekésúkoti	sekésúkoti

8.5. Aspectuals

8.5.1. Inchoative

The INCHOATIVE suffix {-ét-} is identical to the venitive suffix described in §8.4.1, and this is because its meaning is a metaphorical extension of the meaning of the venitive. That is, the venitive meaning of ‘hither’ was extended to mean the beginning of a state or activity (for intransitives) or the starting up of some action or process (for transitives). The inchoative behaves morphologically (including case declensions) exactly the same as the venitive. Table 8.18 gives a few examples of intransitive and transitive verbs in the inchoative aspect:

Table 8.18: Icétôd inchoative verbs

Intransitive		Transitive	
aeétón	‘to start ripening’	baletés	‘to ignore’
dikwétón	‘to start dancing’	ewanetés	‘to take note of’
ekwétón	‘to start early’	hodetés	‘to liberate’
iébétón	‘to grow cold’	inákúetés	‘to destroy’
léjétón	‘to catch fire’	reetés	‘to coerce’
tsekétón	‘to grow bushy’	tajaletés	‘to relinquish’
wasétón	‘to refuse’	tametés	‘to ponder’

8.5.2. Completive

The COMPLETIVE suffix {-ukot-} is identical to the andative suffix described in §8.4.2, and this is because its meaning is a metaphorical extension of the meaning of the andative. That is, the andative meaning of ‘thither’ was extended to mean the completion of a change of state or activity (for intransitives) or the fulfillment of some action or process (for transitives). The completive behaves morphologically (including case declensions) exactly the same as the andative. Table 8.19 gives a few examples of lexical verbs in the completive aspect:

Table 8.19: Icétôd completive verbs

Intransitive		Transitive	
aeonu ^a ko ^t	‘to become ripe’	anésú ^a ko ^t	‘to remember’
baronu ^a ko ^t	‘to become rich’	dɔxésú ^a ko ^t	‘to reprimand’
hábonu ^a ko ^t	‘to become hot’	fiyeésú ^a ko ^t	‘to learn’
hédɔnu ^a ko ^t	‘to shrivel up’	kurésú ^a ko ^t	‘to defeat’

mitɔnuʔkɔt ^a	‘to become’	ηάβɛsuʔkɔt ^a	‘to finish up’
sekɔnuʔkɔt ^a	‘to fade away’	ηκάκέsuʔkɔt ^a	‘to devour’
zoonuʔkɔt ^a	‘to become big’	toβésúʔkɔt ^a	‘to plunder’

8.5.3. Pluractional

The PLURACTIONAL suffix {-í-} denotes an action or state that is construed as *plural*. This plurality can mean any of the following: 1) an intransitive action done more than once or done by more than one subject, 2) a state attributed more than once or of more than one subject, 3) a transitive action done more than once, done by more than one subject, or done to more than one object. In short, the pluractional suffix conveys the idea that the application of the verb is multiple. The pluractional suffix comes just before the infinitive suffix and is a dominant [+ATR] suffix. Table 8.20 gives a few examples of intransitive and transitive pluractional verbs:

Table 8.20: Icétôd pluractional verbs

Intransitive		Transitive	
kónión	‘to be one-by-one’	abutiés	‘to sip continually’
ηtión	‘to run (of many)’	esetiés	‘to interrogate’
ηkáión	‘to get up (of many)’	gafariés	‘to stab repeatedly’
toβéión	‘to be usually right’	nesíbiés	‘to obey habitually’
tatión	‘to drip constantly’	tirifiés	‘to investigate’

8.6. Voice and valence

8.6.1. Passive

The Icétôd PASSIVE suffix {-ósí-} has the unusual distinction of being able to modify both transitive and intransitive verbs. With transitive verbs, it has the usual function of a passive, which is to convert the object of a transitive verb into the subject of an intransitive verb. With intransitive verbs, the passive adds the nuance of characteristicness to the meaning of the verb, often with the help of root reduplication.

Table 21 gives examples of both intransitive and transitive passives:

Table 8.21: Icétôd passives

Intransitive	Transitive
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botibotos	‘to be migratory’	búdòs	‘to be hidden’
ḃekesəs	‘to be mobile’	cookós	‘to be guarded’
dekwidekos	‘to be quarrelsome’	dótsós	‘to be joined’
ḃepidɛɾəs	‘to be restless’	júós	‘to be roasted’
gúránós	‘to be hot-tempered’	ḡápós	‘to be open’
məɾiməɾəs	‘to be gossipy’	ógoós	‘to be left’
tsuwoós	‘to be active’	tsájós	‘to be anointed’

Another quirky feature of the Icétôd passive {-ósí-} is that it can function both as a passive infinitive suffix (taking case) and as a regular inflectional suffix that can take subject-agreement pronouns. When it is declined for case, it declines just like the transitive suffix {-ésí-} in §8.2.2, and so its declension is not included here. Refer ahead to §8.7 to see what the subject-agreement pronominal suffixes are.

8.6.2. Impersonal passive (IPS)

The IMPERSONAL PASSIVE suffix {-àn-} behaves like a typical passive in that it eliminates the agent of a transitive verb and promotes the object to subject. However, unlike the passive {-ósí-} described above, the impersonal passive cannot be specified for the person or number of its subject. Instead, it remains marked for 3SG regardless of who or what the subject may be. Another strange property of {-an-} is that it can be used with intransitive verbs as well (just like the passive). When used with intransitive verbs, it has the function of downplaying the identity of the subject. For this reason, it can often be translated as ‘People...’ or ‘One...’, as in *Tódián* ‘People say (it)’. The impersonal passive is a morpheme that does not exist in the lexicon, and so it must be illustrated in speech context, as in these examples:

- (1) *Inómésánà bì.*
beat:FUT:IPS you:NOM
‘You will be beaten.’
- (2) *Kaíánà kàkààkàkè.*
go:PLUR:IPS hunt:inside:DAT
‘People go hunting.’ (Lit. ‘It is gone for hunting.’)

8.6.3. Middle

Icétôd has two MIDDLE suffixes: {-m-} and {-ím-}. Like the semi-transitive construction discussed in §8.2.3, the suffixes convert simple transitive verbs into something in the middle of transitive and intransitive. That is, the Icétôd middle verbs convey that idea that if an

action is done to an entity, it is the entity itself—if anything—doing it to itself alone, apart from an explicit agent. They eliminate a clear agent and promote the patient to the subject position.

The middle suffix {-m-} always has a vowel between it and the preceding verb root. This vowel is usually a copy of the root vowel, as when *dúsés* ‘cut’ yields *dúsúmón* ‘to cut (alone)’, but it can also have a non-copy vowel as in *bokímón* ‘to get caught’. For its part, the middle suffix {-ím-}—a dominant [+ATR] suffix—is always paired with the inchoative suffix {-ét-}, thereby forming the complex morpheme {-ímét-}. Table 8.22 below gives some examples of these two suffixes converting transitive verbs to middle verbs:

Table 8.22: Icétôd middle verbs

Transitive		Middle with {-m-}	
ɲájés	‘to open’	ɲájámòn	‘to open (alone)’
pakés	‘to split’	pakámón	‘to split (alone)’
pulés	‘to pierce’	pulúmón	‘to go out’
rajés	‘to return’	rajámón	‘to return (alone)’
terés	‘to divide’	terémón	‘to divide (alone)’
Transitive		Middle with {-ímét-}	
áts’és	‘to chew’	ats’ímètòn	‘to wear out (alone)’
ibéléés	‘to overturn’	ibéléimètòn	‘to overturn (alone)’
kəkés	‘to close’	kokíméton	‘to close (alone)’
rébès	‘to deprive’	rébimètòn	‘to be deprived (alone)’
tɔɾɛɛs	‘to coerce’	toreimètòn	‘to be coerced (alone)’

8.6.4. Reciprocal

The RECIPROCAL suffix {-ínósí-} denotes a reciprocal relationship that a verb’s subject has with itself. That is, the reciprocal collapses the subject and direct object of a transitive verb, or the subject and a secondary object of an intransitive verb, into just the subject of a reciprocal verb. In this regard, it is similar to the semi-transitive verbs from §8.2.3 that make use of the reflexive pronoun *así-* ‘-self’. Table 8.23 provides a few examples of reciprocals derived from other verbs:

Table 8.23: Icétôd reciprocal verbs

Intransitive	Reciprocal
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ðekés	‘to walk’	ðekésínós	‘to walk together’
íðákón	‘to be next to’	íðákínós	‘to be next to each other’
tódòn	‘to speak’	tódínós	‘to speak to each other’
Transitive		Reciprocal	
h̥yeés	‘to know’	h̥yeínós	‘to be related’
ĩṇaarés	‘to help’	ĩṇáárínós	‘to help each other’
mínés	‘to love’	mínínós	‘to love each other’

Like the passive {-ósi-} discussed in §8.6.1, the reciprocal suffix can take either case endings (as a morphological noun) or subject-agreement endings (as a morphological verb). A case declension of *ínínósi-* ‘to cohabitate’ is shown below in Table 24, while for subject-agreement markers, the reader is referred ahead to §8.7.

Table 8.24: Case declension of *ínínósi-* ‘to cohabitate’

	Non-final	Final
NOM	ínínósá	ínínós
ACC	ínínósî	ínínósîk ^a
DAT	ínínósîè	ínínósîk ^c
GEN	ínínósîè	ínínósî
ABL	ínínósúò	ínínósú
INS	ínínósó	ínínós ^o
COP	ínínósúò	ínínósúk ^o
OBL	ínínósî	ínínós

8.6.5. Causative

Icétôd expresses causativity with a morphological causative, the CAUSATIVE suffix {-it-}. When this suffix is added to a verb with meaning X, it changes the meaning of the verb to ‘cause/make (to) X’. This suffix can be used to causativize intransitive and transitive verbs and comes right after the verb root, before the infinitive marker (if present) and any other suffixes like an inchoative or pluracational. If the last vowel of the verb root is /u/, the causative may be assimilated to {-ùt-}. Table 8.25 gives several examples of causativized verbs:

Table 8.25: Icétôd causative verbs

Intransitive		Causative	
bùkòn	‘to be prostrate’	bukites	‘to lay prostrate’
itúrón	‘to be proud’	itúrútés	‘to praise’
xèbòn	‘to be timid’	xèbìtes	‘to intimidate’
Transitive			
dimés	‘to refuse’	dimités	‘to prohibit’
naḵwés	‘to suckle’	naḵwítés	‘to give suckle’
zízòn	‘to be fat’	zízítés	‘to fatten’

8.7. Subject-agreement

Whenever Icétôd grammar calls for subject-agreement on the verb, one of the seven pronominal suffixes in Table 8.26 are used. Just like the free pronouns described back in §5.2, these bound pronominal suffixes are organized along three axes: 1) person (1/2/3), 2) number (singular/plural), and 3) clusivity (exclusive/inclusive). The form these pronominals ultimately take depends on the grammatical mood of the verb to which they attach. If the verb is in the irrealis mood (see §8.9.1 below), the suffixes appear with their underlying forms. Whereas if they are in the realis mood (see §8.9.2 below), the realis suffix {-a} first subtracts or deletes their final vowel. The difference in the two mood-based paradigms is illustrated below in Table 8.26:

Table 8.26: Icétôd subject-agreement suffixes

	Irrealis		Realis	
	Non-final	Final	Non-final	Final
1SG	-íí	-í	-íá	-í
2SG	-ídì	-îd□	-ídà	-îd ^a
3SG	-ì	- ⁱ	-a	- ^a
1PL.EXC	-ímí	-ím	-ímá	-ím
1PL.INC	-ísínì	-ísín	-ísínà	-ísín
2PL	-ítí	-ít□	-ítá	-ít ^a
3PL	-átì	-át□	-átà	-át ^a

8.8. Dummy pronoun

Icétôd has a special verbal affix called the DUMMY PRONOUN because

it represents an peripheral object that has been (re)moved. That is, the dummy pronoun is a form of object-marking on the verb, but not of direct object marking. For example, if a peripheral argument expressing location or time or means is moved to the front of a clause for emphasis, it leaves a trace on the verb in the form of the dummy pronoun. Seen from another perspective, the dummy pronoun is always a clue that there is a missing syntactic constituent in the clause.

The dummy pronoun has the form {- 'dè} and is very volatile in terms of allomorphy, changing its form in different environments. Once the /d/ is lost in non-final forms, vowel assimilation and vowel harmony so distort the dummy pronoun as to make it almost unrecognizable at times. Table 8.27 below is given to illustrate its diverse allomorphy:

Table 8.27: Allomorphs of the dummy pronoun {- 'dè}

	Non-final	Final
{- 'dè}	- 'è	- 'd ^e
	- 'è	- 'd ^ε
	- 'ì	
	- 'î	
	- 'ò	
	- 'ò	

8.9. Mood

8.9.1. Irrealis (with negation)

A basic distinction in grammatical MOOD cleaves Icétôd verbal aspects and modalities right down the center, and this distinction is between IRREALIS and REALIS. As it applies to Icétôd, the irrealis mood includes states and events whose *actuality* or *reality* are not expressly encoded in the grammar. Another way of saying this is that irrealis verbs in Icétôd can say anything *but* whether a state or event has happened, is happening, or will happen. The morphological manifestation of the irrealis is that the final suffix of an irrealis verb—a subject-agreement pronoun—surfaces with its underlying form.

The verbal aspects and modalities that fall under the irrealis mood include the optative, subjunctive, imperative, negative, sequential, and simultaneous—all of which are discussed in §8.10 below.

8.9.2. Realis

In contrast to irrealis, the REALIS mood includes states and events whose actuality or reality *are* encoded in the grammar. That is to say, realis verbs in Icétôd include in their meaning the fact that something has taken place, is taking place, or will take place in the real world. The morphological manifestation of the realis mood is seen in the realis suffix {-a} that subtracts or deletes the final vowel of the subject-agreement suffix to which it attaches (see Table 8.26). In terms of verb types, the realis mood includes declarative statements in the past or non-past, questions about the past or non-past, and, rather inexplicably, negative imperatives (which one would see as irrealis).

8.10. Verb paradigms

8.10.1. Intentional-imperfective

The INTENTIONAL-IMPERFECTIVE aspect suffix {-és-} has two basic functions, hence its hyphenated title. One function is to denote either an intention on the part of animate subjects or an imminence on the part of inanimate subjects. And it is in this role that it finds use as the usual translation for the English future tense. It is also the answer to the question, “How do you express future tense in Icétôd?” A second function is to denote grammatical imperfectivity, that is, a sense that a state or event is ongoing, incomplete. The two concepts collapse into one when intention/imminence is viewed as the incomplete coming-to-be of a future state or event. And even though intention or imperfectivity may seem to fall under an irrealis mood, {-és-} can

actually be used with verbs in either the realis or irrealis mood.

In Table 8.28 below, {-és-} is illustrated with the verb *àts-* ‘come’ in its imperfective sense with a recent past tense marker (*nák^a*) and then in its intentional sense, translated with English as future tense ‘will’:

Table 8.28: Icétôd intentional-imperfective aspect

Imperfective		
1SG	Atsésîà nák ^a .	‘I was coming.’
2SG	Atsésîdà nák ^a .	‘You were coming.’
3SG	Atsesa nák ^a .	‘She was coming.’
1PL.EXC	Atsésímà nák ^a	‘We were coming.’
1PL.INC	Atsésîsîà nák ^a .	‘We all were coming.’
2PL	Atsésîtà nák ^a .	‘You all were coming.’
3PL	Atsésâtà nák ^a .	‘They were all coming.’
Intentional		
1SG	Atsésî.	‘I will come.’
2SG	Atsésîd ^a	‘You will come.’
3SG	Atsés.	‘She will come.’
1PL.EXC	Atsésím.	‘We will come.’
1PL.INC	Atsésîsîn.	‘We all will come.’
2PL	Atsésît ^a .	‘You all will come.’
3PL	Atsésât ^a .	‘They all will come.’

8.10.2. Present perfect

The Icétôd PRESENT PERFECT aspect suffix {-’ka} denotes a state or event recently completed (‘perfected’) but still relevant in the present. The suffix has a floating high tone that shows up on the preceding syllable of 3SG verbs, for example in *Nabukôṭák^a* ‘It is finished’. And the /k/ in {-’ka} disappears in non-final environments. Table 8.29 offers the paradigm of the present perfect with the verb *àts-* ‘come’ in both non-final and final environments:

Table 8.29: Icétôd present perfect aspect

	Non-final	Final	
1SG	Atsîàà...	Atsîâk ^a .	‘I have come.’

2SG	Atsídàà...	Atsídàk ^a .	‘You have come.’
3SG	Atsáá...	Atsák ^a .	‘She has come.’
1PL.EXC	Atsímáà...	Atsímák ^a .	‘We have come.’
1PL.INC	Atsísínàà...	Atsísínàk ^a .	‘We all have come.’
2PL	Atsítàà...	Atsíták ^a .	‘You all have come.’
3PL	Atsátàà...	Atsátàk ^a .	‘They have come.’

8.10.3. Optative

The Icétôd OPTATIVE mood is used to express wishes, even sarcastic ones like ‘Let the enemies come!’. Optative verbs are often introduced with supporting imperatives like *Ógoe...* or *Taláké*, both of which mean ‘Let...’. And all Icétôd optative verbs are translated into English with a sentence beginning with ‘Let...’ or ‘May...’.

Morphologically, the optative is marked by a combination of tone and special, irregular suffixes. Specifically, all optative verbs except 3PL show a kind of high-tone ‘leveling’ in the subject-agreement suffixes. The leveled high tone is pushed out to the end, creating a floating high tone. This high tone is not seen except in the fact that the last syllable of the subject-agreement suffixes remains at mid-tone level (instead of low). Another peculiarity of the Icétôd optative is that there is no difference between its non-final and final forms. Table 8.30 presents the paradigm of the optative with the verb *àts-* ‘come’:

Table 8.30: Icétôd optative mood

1SG	Atsine.	‘Let me come.’
2SG	Atsidi.	‘May you come.’
3SG	Atsi.	‘Let her come.’
1PL.EXC	Atsima.	‘Let us come.’
1PL.INC	Atsano.	‘Let us all come.’
2PL	Atsiti.	‘May you all come.’
3PL	Atsáti.	‘Let them come.’

8.10.4. Subjunctive

The Icétôd SUBJUNCTIVE mood is used to encode statements that are contingent or temporally unrealized. In that regard, it is an essentially irrealis verb form because it captures states or events that have not yet

happened. It is also essentially irrealis in that it is marked simply by the absence of any marking. In other words, the subject-agreement suffixes surface with their underlying forms in the subjunctive mood, just as they appear in Table 8.26 above. The optative is usually introduced either by *dēmusu* ‘unless, until’ or *damu (koja)* ‘may’. Table 8.31 gives the full subjunctive paradigm with *àts-* ‘come’:

Table 8.31: Icétôd subjunctive mood

	Non-final	Final	
1SG	dēmusu atsíí...	dēmusu atsíí	‘unless I come’
2SG	dēmusu atsídi...	dēmusu atsídi	‘unless you come’
3SG	dēmusu atsi...	dēmusu ats	‘unless she comes’
1PL.EXC	dēmusu atsímí...	dēmusu atsím	‘unless we come’
1PL.INC	dēmusu atsísínì...	dēmusu atsísín	‘unless we all come’
2PL	dēmusu atsítí...	dēmusu atsít	‘unless you all come’
3PL	dēmusu atsàtì...	dēmusu atsát	‘unless they come’

8.10.5. Imperative

The IMPERATIVE mood is used to issue commands or instructions. If the recipient of the command is singular, then the suffix used is { -é }, and if the recipient is plural, the suffix is { -úó }. The singular { -é } has a floating high tone that raises any preceding low tones to mid. Both imperative suffixes are appended to the end of the verb stem, and no subject-agreement markers are needed. Both imperative suffixes are subject to vowel devoicing before a pause, as shown in Table 8.32:

Table 8.32: Icétôd imperative mood

Singular			Plural		
NF	FF		NF	FF	
Atse..!	Ats ^é !	‘Come!’	Atsúó..!	Atsú!	‘Come!’
Kae..!	Ka ^é !	‘Go!’	Koyúó..!	Koyú!	‘Go!’
Ŋkɛ..!	Ŋk ^é !	‘Eat!’	Ŋkúó..!	Ŋkú!	‘Eat!’
Zɛkwɛ..!	Zɛkw ^é !	‘Sit!’	Zɛkúó..!	Zɛkú!	‘Sit!’

8.10.6. Negative

Icétôd negates clauses by means of verblike particles that come first in

the negative clause. If the negated clause has a realis verb, then the negator particle used is *ńtá* ‘not’. If the negated clause has an irrealis verb like the sequential (see §8.10.7), then the negator particle is *mòò* or *nòò*. Lastly, if the negated clause is past tense realis or present perfect realis, then the negator particle used is *máà* or *náà*. In the negated clause, the negator particle comes first, followed by the subject, followed by the verb. Any negated verb takes the irrealis mood with the appropriate form of subject-agreement suffixes (see Table 8.26). To make all this more concrete, Table 8.33 gives example of the different negator particles used with different types of clauses:

Table 8.33: Icétôd negative mood

Realis		
1SG	ńtá fyeí.	‘I don’t know.’
2SG	ńtá fyeíd□.	‘You don’t know.’
3SG	ńtá fhyè□.	‘She doesn’t know.’
Sequential		
1SG	...moo fyeí.	‘and I don’t know.’
2SG	...moo fyeíd□.	‘and you don’t know.’
3SG	...mòò fhyè□.	‘and she doesn’t know.’
Past realis		
1SG	Máa naa fyeí.	‘I didn’t know.’
2SG	Máa naa fyeíd□.	‘You didn’t know.’
3SG	Màà nàà fhyè□.	‘She didn’t know.’

8.10.7. Sequential

The Icétôd SEQUENTIAL aspect expresses states or events that happen in sequence. Usually a sequence of verbs starts with an anchoring non-sequential verb, and then a clause chain begins in the sequential aspect. For example, when someone tells a story, they may start with one or two past tense realis verbs to set the stage and then continue the narrative with sequential verbs. Or if someone is giving a set of instructions, they may start with one or two imperative verbs followed by a chain of sequential verbs. Because of its versatility, the Icétôd sequential aspect is the language’s most frequently used verb form.

Morphologically, Icétôd sequential verbs are recognized by a combination of tone, irregular subject-agreement suffixes, and the

sequential aspect suffix {-ko}. Specifically, all 1st and 2nd-person sequential verbs high-tone leveling in their subject-agreement suffixes which pushes a high tone out to the right. This floating high raises the preceding low tones to mid. These tone effects, plus the irregular suffixes, and the sequential marker {-ko} are shown in Table 8.34. Note that the sequential paradigm also has an impersonal passive marked with the suffix {-ese}. Its function is identical to that of the impersonal passive described back in §8.6.2.

Table 8.34: Icétôd sequential aspect

	Non-final	Final	
1SG	...atsiaa...	...atsiak ^o	‘and I come’
2SG	...atsiduo...	...atsiduk ^o	‘and you come’
3SG	...àtsùdò...	...àtsùk ^o	‘and she comes’
1PL.EXC	...atsimaa...	...atsimak ^o	‘and we come’
1PL.INC	...atsisinuo...	...atsisinuk ^o	‘and we all come’
2PL	...atsituo...	...atsituk ^o	‘and you all come’
3PL	...àtsìnì...	...àtsìn	‘and they come’
PASS	...atsese...	...atses	‘and it was come’

8.10.8. Simultaneous

The Icétôd SIMULTANEOUS aspect is used to express states or events that are happening simultaneously to another state or event. In contrast to the sequential, the simultaneous aspect can only be used in subordinate clauses. That is to say, simultaneous clauses cannot stand alone without a main clause (with some exceptions). Because of its role of supporting sequential clauses, the simultaneous aspect is also commonly found in narratives and other longer discourses. It can be given a perfective interpretation as in ‘when I came’ or an imperfective one as in ‘while I was coming’.

Morphologically, the simultaneous aspect is marked by the suffix {-ke}, which is affixed to the subject-agreement suffixes in their irrealis forms. Table 8.35 presents the simultaneous paradigm of *àts*- ‘come’:

Table 8.35: Icétôd simultaneous aspect

	Non-final	Final	
1SG	...atsííkè...	...atsíík ^e	‘while I was coming’

2SG	...atsídìè...	...atsídìk ^é	‘while you were coming’
3SG	...àtsìè...	...àtsìk ^é	‘while she was coming’
1PL.EXC	...atsímìè...	...atsímìk ^é	‘while we were coming’
1PL.INC	...atsísínìè...	...atsísínìk ^é	‘while we all were coming’
2PL	...atsítìè...	...atsítìk ^é	‘while you all were coming’
3PL	...atsátìè...	...atsátìk ^é	‘while they were coming’

8.11. Adjectival verbs

8.11.1. Overview

Since Icéôtôd does not have a separate word class of adjectives, it conveys adjectival concepts with ADJECTIVAL VERBS. These verbs have adjectival meanings but otherwise mostly behave like intransitive verbs. One way they do differ from normal intransitive verbs is in the specific adjectival suffixes they can have. The next four subsections offer brief descriptions of these special adjectival suffixes.

8.11.2. Physical property I

The PHYSICAL PROPERTY I adjectival suffix {-d-} is found in adjectival verbs that express physical properties like appearance, size, shape, consistency, texture, and other tangible attributes. As a result, Physical Property I verbs are some of the language’s most colorful adjectivals. Physical Property I verbs all contain two syllable with LH tone pattern, and in the infinitive, they take the intransitive suffix {-òní-}. Table 8.36 gives a sample of these descriptive terms:

Table 8.36: Icéôtôd physical property I adjectival verbs

bufúðòn	‘to be spongy’
dòmódòn	‘to be gluey’
dirídòn	‘to be compacted’
jamúðòn	‘to be velvety’
lets’édòn	‘to be bendy’
pidíðòn	‘to be sleek’
tsakádòn	‘to be watery’

8.11.3. Physical property II

The PHYSICAL PROPERTY II adjectival suffix {-m-} is found in adjectival verbs that also express physical properties like appearance, color, consistency, posture, shape, and texture. It can also express less

physical attributes like strength, weakness, or personality traits. Physical Property II verbs usually contain two syllables with a LH tone pattern or three syllables with a LHH tone pattern, and in the infinitive, they take the intransitive suffix {-òní}. Table 8.37 gives a sample of these descriptive adjectival verbs:

Table 8.37: Icétòd physical property II adjectival verbs

Bisyllabic	
budámón	‘to be black’
dúgùmòn	‘to be hunched’
fírímón	‘to be clogged’
kikímón	‘to be stocky’
kwets’émón	‘to be damaged’
Trisyllabic	
bulúkúmòn	‘to be bulbous’
jurútámòn	‘to be slippery’
pelérémon	‘to be squinty’
ságwàràmon	‘to be shadeless’
tékéžèmon	‘to be shallow’

8.11.4. Stative

The STATIVE adjectival suffix {-án-} forms adjectival verbs that express an ongoing state characterized by the meaning of a noun or a transitive verb. Because {-án-} contains the vowel /a/, it prevents from spreading between the verbal root and any suffixes that follow the stative suffix (for example, infinitive or subject-agreement suffixes). Table 8.38 presents a few examples of stative adjectival verbs derived from noun roots:

Table 8.38: Icétòd stative verbs derived from nouns

Noun		Stative verb	
cué-	‘water’	cuanón	‘to be liquid’
ésá-	‘drunkenness’	esánón	‘to be drunk’
kirotí-	‘sweat’	kirotánón	‘to be sweaty’
ɲèkè-	‘hunger’	ɲekánón	‘to be hungry’
ɲèrà-	‘girls’	ɲéráánón	‘to be girl-crazy’

Table 8.39 gives a few stative verbs derived from transitive verbs:

Table 8.39: Icétôd stative verbs derived from transitive verbs

Transitive		Stative	
ðekés	‘to provoke’	ðekánón	‘to be provocative’
dzerés	‘to tear’	dzerədzeránón	‘to be torn in shreds’
itáléés	‘to forbid’	itáléánón	‘to be forbidden’
itukes	‘to heap’	itukánón	‘to be congregated’
irarjes	‘to spoil’	iránúnánón	‘to be spoiled’

8.11.5. Distributive

Icétôd has two DISTRIBUTIVE adjectival suffixes: {-aák-} and {-ik-}. These suffixes have the function of distributing the meaning of the adjectival verb to more than one subject. The suffix {-aák-} can be used with all kinds of adjectival verbs, including the physical property and stative varieties, while the suffix {-ik-} has been found only with the two verbs of size, *kwáts*- ‘small’ and *zè*- ‘large’. Moreover, it commonly occurs together with {-aák-}, as in *kwátsíkaakón* ‘to be small (of many)’ and *zeikaakón* ‘to be large (of many)’. Table 8.40 gives a sampling of adjectival verbs with the distributive suffix:

Table 8.40: Icétôd distributive adjectival verbs

budúdaakón	‘to be soft (of many)’
ðets’aakón	‘to be white (of many)’
gaanaakón	‘to be bad (of many)’
kúdaakón	‘to be short (of many)’
maráŋaakón	‘to be good (of many)’
notsódaakón	‘to be adhesive (of many)’
semélémaakón	‘to be elliptical (of many)’

9. Adverbs

9.1. Overview

The word class called ADVERBS is a catch-all category that includes words and clitics of various sorts that say something about a whole clause, for example, ‘how’ or ‘when’ it takes place, or how the speaker feels about the certainty or contingency of the clause. Accordingly, Icétôd adverbs can be divide up into MANNER adverbs, TEMPORAL adverbs, and EPISTEMIC adverbs. The following subsections take up each of these adverbial categories in a brief discussion.

9.2. Manner adverbs

MANNER ADVERBS modify whole clauses by commenting on the manner in which a state comes across or an action is done. Manner adverbs usually come near or at the end of the clause they modify. Table 9.1 presents a sampling of Icétôd manner adverbs:

Table 9.1: Icétôd manner adverbs

dēmùsù	‘fast, quickly’
hǐǐjǒ	‘carefully, slowly’
jǐkì	‘always’
jíkì	‘really, totally’
kóntíák ^e	‘straightaway’
mùkà	‘completely, forever’
pákà	‘indefinitely’
zùkù	‘very’

9.3. Temporal adverbs

9.3.1. Overview

The Icétôd TEMPORAL ADVERBS situate their clause somewhere in the course of time. Icétôd has sets of temporal adverbs that deal with past tense, past perfect tense, and non-past (including future) tense. The past and past perfect tense adverbs are enclitics that come directly after the verb they modify. The future tense adverbs are free adverbs that come near or at the end of the clause they modify.

9.3.2. Past tense adverbs

Icétôd divides PAST TENSE into four time periods and marks them with special adverbial enclitics. They are: 1) recent past that covers the

current day and is marked with *nákà*, 2) removed past that covers yesterday (or any last or ‘yester-’ time period) and is marked with *bàtsè*, 3) remote past that covers a few days or weeks before yesterday and is marked with *nótsò*, and finally, 4) remotest past that covers everything before the remote past and is marked with *nòkò*. Each of these tense enclitics has a non-final and final form, and as enclitics, they always come directly after the verb in a clause. Table 9.2 illustrates the Icéôd tense markers in all their forms:

Table 9.2: Icéôd past tense markers

	NF	FF	
Recent	=náà	=nák ^a	‘earlier today’
Removed	=bèè	=bàts ^e	‘yester-’
Remote	=nótsò	=nótsò	‘a while ago’
Remotest	=nòò	=nòk ^o	‘long ago’

9.3.3. Past perfect tense adverbs

The past tense can be combined with a perfect aspect to yield the PAST PERFECT TENSE. Unlike the past tense adverbs, Icéôd past perfect tense adverbs operate along only three periods of time: RECENT (earlier today), REMOVED (yester-), and REMOTE (before yester-). Table 9.3 presents the Icéôd past perfect tense adverbs:

Table 9.3: Icéôd past perfect tense markers

	NF	FF	
Recent	=nanáà	=nanák ^a	‘had...earlier today’
Removed	=nàtsàmù	=nàtsàm	‘had...yester-’
Remote	=nànòò	=nànòk ^o	‘had...a while ago’

9.3.4. Non-past tense adverbs

Icéôd divides the NON-PAST TENSE into three rather vaguely defined time periods suggested by three adverbs. They are: 1) the ‘distended’ present that includes just before and after the present and is expressed by the adverb *ts’ɔɔ*, 2) the removed future that includes the *next* time period (next hour, next day, next year) and is expressed by the adverb *táà*, and 3) the remote future expressed by the adverb *fàrà*. Table 9.4 puts these three non-past markers together for closer observation:

Table 9.4: Icéôd non-past tense markers

	NF	FF	
Distended present	ts'òò	ts'òò	'recently/soon'
Removed	táà	táà	'next_____'
Remote	fàrà	fàr	'in the future'

9.4. Epistemic adverbs

9.4.1. Overview

The Icéôtôd EPISTEMIC ADVERBS express how the speaker feels or thinks about the certainty or contingency of the clause. Accordingly, this set of adverbs can be divided into the categories of INFERENTIAL, CONFIRMATIONAL, and CONDITIONAL-HYPOTHETICAL. All of the epistemic adverbs are enclitics that follow the verb in normal main clauses, but some of them can also be moved in front of the verb.

9.4.2. Inferential adverbs

Icéôtôd can express a degree of uncertainty about a situation by means of a set of INFERENTIAL tense-based adverbs. This sense of making a tentative inference based on an observation can be translated into English with such turns of phrase as 'Apparently...', 'Maybe...', 'It seems that...', 'must have', etc. Two of these inferential particles consist of the proclitic *ná* plus a past-tense particle, while the third combines *ná* with the adverb *tsamu*. Table 9.5 presents the three inferential adverbial particles in their final and non-final forms. Note that compared to the past-tense markers above in Table 9.2, the inferential time-scale is moved up one notch more recent.

Table 9.5: Icéôtôd inferential adverbs

	NF	FF	
Recent	nábèè	nábàts°	'apparently earlier today'
Removed	nátsàmù	nátsàm	'apparently yester-'
Remote	nánòò	nánòk°	'apparently long ago'

9.4.3. Confirmational adverbs

Icéôtôd can also express a confirmation of a state or event by means of a set of CONFIRMATIONAL adverbs that are derived from the tensed relative pronouns described way back in §5.7. When these particles are used, they are placed before the verb, and the verb surfaces in its non-final form, almost like a question rendered in English 'Why yes, did X *not* happen?'—meaning that, of course, it *did* happen. The

confirmational suffixes first presented in Table 9.6 and then demonstrated with a few pairs of sentences in the examples below:

Table 9.6: Icétôd confirmational markers

Recent	náa	‘Of course____earlier today.’
Removed	sina	‘Of course____yester-.’
Remote	noo	‘Of course____long ago.’

9.4.4. Conditional-hypothetical adverbs

If a state or event has not taken place but *could* or *would* take place, Icétôd can express that contingency with its CONDITIONAL-HYPOTHETICAL adverbs. There are three of these adverbs, but they are used to cover four periods of time. The first adverb covers non-past and recent past, the second removed past, and third remote past. These conditional-hypothetical adverbs are presented below in Table 9.7:

Table 9.7: Icétôd conditional-hypothetical adverbs

	NF	FF	
Non-past	kánàà	kánàà	‘would’
Recent			‘would have...earlier today’
Removed	kásàmù	kásàm	‘would have...yester-’
Remote	kánòò	kánòk°	‘would have...a while ago’

10. Basic syntax

10.1. Noun phrases

The Icétôd NOUN PHRASE consists first and foremost of a noun head, either a lexical noun or a nominalized lexical verb. As a head-initial language, Icétôd places its noun phrase head first in the phrase. Any subordinate, supporting elements follow the head. These optional elements may include anaphoric demonstratives, possessive markers, relative pronouns/temporal demonstratives, number markers, and spatial demonstratives. The Icétôd noun phrase structure can be formalized as follows, where elements in parentheses are optional:

- (1) Icétôd NP structure:
HEAD (ANAPH)(POSS)(NUM)(REL/TEMP) (DEM)

The syntactical structure formalized in (1) can be clearly seen amidst the real Icétôd noun phrases presented below in examples (2)-(10):

- (2) HEAD
wík^a
‘children’
- (3) HEAD ANAPH
wika díí
‘those known children’
- (4) HEAD POSS
wika jíci
‘my children’
- (5) HEAD ANAPH POSS
wika díí jíci
‘those known children of mine’
- (6) HEAD ANAPH POSS NUM
wika díí jíciè lèbètse
‘those two known children of mine’
- (7) HEAD ANAPH POSS REL
wika díí jície [ní lebetse]_{REL}
‘those two known children of mine’
- (8) HEAD ANAPH POSS NUM REL
wika díí jície lebetse [ní dà]_{REL}
‘those two nice known children of mine’
- (9) HEAD ANAPH POSS NUM REL DEM
wika díí jície lebetse [ní daa]_{REL} ní
‘those two nice known children of mine, these’
- (10) HEAD ANAPH POSS NUM TEMP DEM
wika díí jície lebetse níi ní
‘those two known children of mine from earlier today, these’

10.2. Clause structure

10.2.1. Intransitive

Icétôd INTRANSITIVE clauses consist minimally of a verb (V) and a subject (S) in a VS constituent order. The subject may be explicit, in which case it follows the verb, or it may be merely marked on the verb. Basic intransitive clause structure is illustrated in example (11):

- (11) *Epa_V ηók^a_S.*
sleep:3SG dog:NOM
‘The dog sleeps.’

When a tense adverb is needed, it comes directly after the verb and before any explicit subject. And any other adverbial elements like extended objects (E) or adverbs, in that order, come after the subject. This elaborated intransitive clause structure is illustrated in (12):

- (12) *Epá_V bee_{TENSE} ηóká_S kurú_E.*
sleep:3SG yester- dog:NOM shade:ABL
‘The dog slept in the shade yesterday.’

10.2.2. Transitive

Icétôd TRANSITIVE clauses consist minimally of a transitive verb (V), an agent (A), and an object (O) in a VAO constituent order. The subject may be explicit, in which case it comes between the verb and object, or it may merely be marked on the verb. The object may also be dropped, in which case it is inferred from the context. Example (13) below illustrates basic transitive clause structure:

- (13) *Áts’á_V ηóká_A ජáká^a_O.*
gnaw:3SG dog:NOM bone:ACC
‘The dog gnaws the bone.’

When a tense adverb is needed, it comes directly after the verb and before any explicit subject. And any other adverbial elements like extended objects (E) or adverbs, in that order, come after the subject. This elaborated transitive clause structure is illustrated in (14):

- (14) *Áts’á_V bee_{TENSE} ηóká_A ජáká_O*
gnaw:3SG yester- dog:NOM bone:ACC

ódàtù_E.
day:INS
‘The dog gnawed the bone all day yesterday.’

10.2.3. Ditransitive

Icétôd DISTRANSITIVE clauses consist minimally of a distransitive verb (V), an agent (A), an object (O), and an extended object (E) in a VAOE constituent order. If the agent is not mentioned explicitly, then it will still be marked on the verb. The object and even extended object may be left implicit but will be understood from context. The basic distransitive clause structure is illustrated below in (15):

- (15) *Maa_v* *kakaama_A* *ɔkáá_O* *ɲókík^e_E*.
 give:3SG hunter:NOM bone:ACC dog:DAT
 ‘The hunter gives a bone to the dog.’

10.2.4. Causative

By adding an extra element in the form of a causing agent, Icétôd CAUSATIVE verbs change the structure of a clause. If the original clause was a VS intransitive one, then the causative changes it to a transitive VAO. If the original clause was a transitive VAO, then the causative changes it to a distransitive VAOE. The following two examples show causative verbs making these structural changes:

- (16) Intransitive VS → Causative VAO
 (a) *Fekíà_v* *ɲk^a_v*.
 laugh:1SG I:NOM
 ‘I laugh’.
 (b) *Fekitéídà_{VA}* *ɲk^a_O*.
 laugh:CAUS:2SG I:NOM
 ‘You make me laugh.’
- (17) Transitive VAO → Causative VAOE
 (a) *Wetía_v* *ɲka_A* *cue_O*.
 drink:1SG I:NOM water:NOM
 ‘I drink water.’
 (b) *Wetitéída_{VA}* *ɲka_O* *cuék^e_E*.
 drink:CAUS:2SG I:NOM water:DAT
 ‘You make me drink water.’

10.2.5. Auxiliary

Icétôd has both true auxiliary verbs and pseudo-auxiliary verbs. Both types create special syntactic structures. The true auxiliaries, shown in Table 10.1, function as the main syntactic verb in VS intransitive clauses. The semantically main verb then follows the subject in a morphologically defective form that consist of the bare verb root plus a suffix {-a} (which may or may not be the realis marker from §8.9.2). This means the constituent order of clauses with true auxiliary verbs is

AuxSV, where the Aux fills the main verb syntactic slot, but the defective V carries the main semantic content of the verb schema.

The true auxiliaries have both lexical and aspectual meanings:

Table 10.1: Icétôd true auxiliary verbs

Root	Lexical	Aspectual
erúts-	‘be fresh, new’	RECENTIVE
ηór-	‘do early’	ANTICIPATIVE
sár-	‘be already/not yet’	DURATIVE

To illustrate the AuxSVE constituent order of these true auxiliary clauses, example (18) presents a sentence with the recentive erúts-:

- (18) *Erútsíma*_{AUXS} *atsa*_V *sédà*_E.
 RECENT:1PL.EXC come garden:ABL
 ‘We just came from the garden.’

By contrast, the pseudo-auxiliary verbs mimic true auxiliaries in that they are lexical verbs potentially aspectual meanings. But because they are not syntactically auxiliary, they take verbal complements as extended objects as any intransitive verb might take a modifier. The pseudo-auxiliaries are presented in Table 10.2 with their aspectual meanings and the cases required by their verbal complements:

Table 10.2: Icétôd pseudo-auxiliary verbs

Stem	Lexical	Aspectual	Case required
náb-uḵót-	‘end, finish’	COMPLETIVE	NOM/ACC
itsyák-ét-	‘begin, start’	INCHOATIVE	NOM/ACC
todó-	‘alight, land’	INCHOATIVE	NOM/ACC
isé-ét-	‘begin, start’	INCHOATIVE	NOM/ACC
cèm-	‘fight, struggle’	OCCUPATIVE	INS

Each of the aspectual meanings listed in Table X are given one example in the following sentences. The brackets in (19) signify that the bracketed noun phrase as a whole is the object of the verb.

- (19) Completive
Nábukɔ́tíáa_{VA} [*isóméésá nábúkwi*]_O.
 finish:1SG:PRF to.read:NOM book:GEN
 ‘I have finished reading the book.’
- (20) Inchoative
Itsyaketátaa_{VA} *wáánàk^a_O*.
 begin:3PL:PRF praying:ACC
 ‘They have begun praying.’
- (21) Occupative
Céma_V *wika_S* *wáák^o_E*.
 fight:3 children:NOM playing:INS
 ‘The children are busy playing.’

10.2.6. Copular

Icétôd COPULAR clauses have relational rather than referential meanings. They link a copular subject (CS) to a copular complement (CC) which represents a person, place, thing, or attribute, depending on the specific copular verb involved. The constituent order of copular clauses is therefore V-CS-CC. Icétôd has three distinct copular or ‘be’ verbs that can express five copular relationships between them. These copular verbs are presented in Table 10.3 below, along with the case markings their subjects and complements are obligated to have:

Table 10.3: Icétôd copular verbs

Verb	Meaning	CS case	CC case
ì-	Existence	NOM	–
	Location	NOM	DAT
ìr-	Attribution	NOM	(adverb)
mìt-	Identity	NOM	OBL
	Possession	NOM	GEN

The three copular verbs in Table 10.3 and their five potential meaning are exemplified briefly in the sentences below:

- (22) Existence
Ia_v *didigwarí_{CS}*.
 be:3SG rain.top:NOM
 ‘Heaven [i.e. God] is (there).’
- (23) Location
Ia_v *lɔŋótá_{CS}* *muceék^e_{CC}*.
 be:3 enemies:NOM way:DAT
 ‘Enemies are on the way.’
- (24) Attribution
Ira_{VCS} *tíyé_{ADV}*.
 be:3SG like.this
 ‘It is like this.’
- (25) Identity
Mitíá_v *ŋka_{CS}* *bábò_{CC}*.
 be:1SG I:NOM father.your:OBL
 ‘I am your father.’
- (26) Possession
Mitav [awa *na*]_{CS} *ngó^e_{CC}*.
 be:3SG home:NOM this we:GEN
 ‘This house is ours.’

10.2.7. Fronted

Icétôd can put special emphasis on any core nomimal element by moving it to the front of the clause, before the verb, subject, and other constituents. Doing so obviously disrupts the usual syntactic structure of main clauses. Two kinds of fronting are observed in the language: 1) a cleft construction and 2) left-dislocation. In a cleft construction, the emphasized noun is moved to the front and put in the copulative case. This puts it in a copular relationship with the original clause out of which it just came. As a result, the newly arranged clause can be viewed as a kind of copular clause where the fronted element is the copular subject and the original clause the copular complement. This can in turn be formulized as: [NP:COP]_{CS} [CLAUSE]_{CC}. To make this more concrete, the next example show the cleft construction with a simple transitive clause (27a) whose object then gets fronted (28b):

- (27) Cleft construction
 (a) *Bédĩmà_v* *ŋgwà_A* *mèsò*.
 want:1PL.EXC we:NOM beer:NOM
 ‘We want beer.’

- (b) *Mesɔɔ_{CC}* *[ɣgóa* *bédĩm.]_{CS}*
 beer:cop we:ACC want:1PL.EXC
 ‘It is beer (that) we want.’

Whereas the cleft construction involves removing a clausal element from a clause, left-dislocation simply relocates the element to the front of the clause, but still within the same clause. In this fronted position it is given the nominative case. This type of fronting can be formulized as: [NP:NOM || CLAUSE]_{CLAUSE}, where the double vertical line symbolized a short pause. Icétôd left-dislocation is illustrated in the following two example sentences:

- (28) Left-dislocation
 (a) *Mée* *eníí* *kaúdza* *díí.*
 not:PRF see:1SG money:NOM ANAPH
 ‘I haven’t seen that money.’
 (b) *Kaúdza* *díí,* *mée* *ení.*
 money:NOM ANAPH not:PRF see:1SG
 ‘That money, I haven’t seen (it).’

10.3. Subordinate clauses

10.3.1. Overview

The constituent order of Icétôd SUBORDINATE clauses differs from that of main clauses. Specifically, Icétôd subordinate clauses exhibit an SV order with intransitive verbs, an AVO order with transitives, and an AVOE order with ditransitives—in short ‘SVO’ rather than ‘VSO’. Case marking in subordinate clauses is also different: The fronted subject/agent and *every* direct object take the accusative case.

The next two subsection deal with two key kinds of subordinate clause, the relative (§10.3.2) and the adverbial (§10.3.3).

10.3.2. Relative clauses

RELATIVE CLAUSES are subordinate clauses that modify a noun. Icétôd relative clauses are restrictive, meaning they narrow the reference of their head noun rather than merely adding extra details about it. Relative clauses are introduced by the tensed relative pronouns discussed back in (§5.7) and have the typical syntactic structure of Icétôd subordinate clauses: SV for intransitive and AV for transitive. All core arguments of the verb have accusative case marking. The next two examples illustrate Icétôd relative clause structure:

- (29) Intransitive (SV)

Nesíbimaa emuta [nɛ ɛ́f_{SV}]_{REL}.
 hear:1PL.EXC:PRF story:NOM REL sweet:3SG
 ‘We’ve heard a story that is funny.’

(30) Transitive (AV)

Atsáá ima [náa ꞑcia_A takí_V]_{REL}.
 come:3SG:PRF child REL I:ACC mention:1SG
 ‘The child I mentioned earlier has come.’

10.3.3. Adverbial clauses

The category of ADVERBIAL CLAUSES is rather broad as it includes any subordinate clause that modifies a main clause adverbially. Like relative clauses, Icétôd adverbial clauses also typify subordinate clauses in that they have SV and AVO core constituent orders and accusative case marking on all three core nouns (S/A/O). Among the main kinds of adverbial clause in Icétôd are the following: temporal, simultaneous, conditional, hypothetical, manner, reason/cause, , and concessive. Each of these is exemplified in the following sentences:

(31) Temporal

[Noo ntsíá badúkótáde]_{TEMP}, kóǎíak°.
 when he:3SG die:3SG:DP cry:1SG:SEQ
 ‘When he died, I cried.’

(32) Simultaneous

[Náa ntsíá badúkótíkè]_{SIMUL}, kóǎǎsiak°.
 as he:3SG die:3SG:SIM cry:ipf:1SG:SEQ
 ‘As he was dying, I was crying.’

(33) Conditional

[Na ntsa badúkótùk°]_{COND}, kóǎíak°.
 if he:NOM die:3SG:SEQ cry:1SG:SEQ
 ‘If he dies, I’ll cry.’

(34) Hypothetical

[Na kánoo ntsa badúkótùk°]_{HYP},
 if would’ve he:3SG die:3SG:SEQ

kóǎíaa kánòk°.
 cry:1SG:SEQ would’ve

‘If he would’ve died, I would’ve cried.’

(35) Manner

Badúkótuo [tisílik°]_{MANNER}.
 die:3SG:SEQ peaceful:3SG:SIM
 ‘And he died peacefully (Lit. ‘he being peaceful’).’

- (36) Reason/cause
 Badúkotáá [dúó ídzanâd^e]_{REASON}.
 die:3SG:PRF because shoot:IPS:3SG:DP
 ‘He has died because he was shot.’
- (37) Concessive
 [Áta ntsíá badúkótík^e]_{CONCESS}, ntá kódfí.
 even he:ACC die:3SG:SIM not cry:1SG
 ‘Even if he dies, I will not cry.’

10.4. Clause combining

10.4.1. Clause coordination

Two or more independent clauses can be linked through clause COORDINATION. This can result in clause ADDITION (‘and’), CONTRAST (‘but’), or DISJUNCTION (‘or’). The following three sentences illustrate these three basic types of Icétdôd clause coordination:

- (38) Addition
Atsíá naa awá^o,
 come:1SG past home:ABL

nda itsyaketíá nàà tókòb^a.
 and begin:1SG past hoeing:NOM
 ‘I came from home, and I started hoeing.’
- (39) Contrast
Atsíá naa awá^o,
 come:1SG past home:ABL

koto máá naa tókòbesí.
 but not past hoe:1SG
 ‘I came from home, but I did do any hoeing.’
- (40) Disjunction
Atsída naa awóò,
 come:2SG past home:ABL

kede sédoo atsídèè?
 or garden:ABL come:2SG:DP
 ‘Did you come from home, or is it the garden you came from?’

10.4.2. Clause chaining

The most common way Icétdôd links independent clauses is through clause ‘co-subordination’ or CLAUSE CHAINING. To create a chain of

clauses, the grammar starts with an anchoring phrase or clause to set the stage temporally, and then it puts all the following mainline verbs in the sequential aspect (see §8.10.7), creating a chain of two or more clauses. In (41) below, the clause chain is anchored by the initial adverbial phrase *Na kónító ódoue baratsoó* which puts the whole sentence in a temporal frame. Thenceforth, the clause chain proceeds clause by clause, each marked as SEQ1, SEQ2, etc.:

- (41) [Na kónító ódoue baratsoó]_{ADV}
 when one day:GEN morning:INS
 ‘One day, in the morning,
- [ipuo takáákak^a]_{SEQ1}
 cast:3SG:SEQ shoes:ACC
 he cast (his) shoes (in divination),
- [eguo takááka ébak^a]_{SEQ2}
 put:3SG:SEQ shoes:NOM gun:ACC
 and the shoes made (the shape of) a gun,
- [ipuo nabó]_{SEQ3}
 cast:3SG:SEQ again
 and he cast (them) again,
- [egini ébak^a]_{SEQ4}
 put:3PL:SEQ gun:ACC
 and they made a gun.’