On benefactive person agreement marker in Malagasy Sign Language (TTM)

マダガスカル手話 (TTM) の受益者人称一致標識に関して

MINOURA Nobukatsu
箕浦 信勝

Institute of Global Studies, Tokyo University of Foreign Studies
東京外国語大学大学院総合国際学研究院

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Keywords: Malagasy Sign Language (TTM), sign language linguistics, person agreement marker (PAM), benefactive, SAPTR, sociolinguistic variation

キーワード：マダガスカル手話 (TTM)、手話言語学、人称一致標識 (PAM)、受益者、SAPTR、社会言語学的変異

【Abstracts】

TTM has a BEN PAM (benefactive person agreement marker), which is used to mark beneficiary adjuncts and R arguments. The BEN can be pronominal or prepositional with an object. I treated them together in this paper. The BEN in question varies in its form. It can be followed by IX (indexing) and it can be preceded by a particle HO. The IX is obligatory when the
BEN is not followed by an object noun and when the IX marks plurality. When the IX is singular, the IX is optional. The BEN can be preceded by a particle HO and it shows that the clause is leaning more toward the Malagasy register. Moreover, usually two-handed BEN can be reduced to a one-handed sign.

When the clause-initial R argument is an overt noun, it does not require a BEN, but when the clause-initial R argument is pronominal, it is represented by a BEN. In a non-clause-initial position, R takes the form of IX when unambiguous, but it takes the form of BEN when ambiguous. Beneficiary BEN also sometimes takes an overt object.

マダガスカル手話（TTM）はBEN PAM（受益者人称一致標識）を持っている。BENは受益者付加語句およびR項を標示する役割を担っている。BENは代名詞的だったり、目的語を採る前置詞的だったりする。本稿ではそれら2つを区別せずに扱った。BENはその形式にバリエーションがある。BENは、IX（人差し指によるポインティング）が後続することもあり、またマダガスカル語的であり、TTM的ではない不変化詞HOが先行することがある。そのIXは、複数のときには必須であるが、単数のときには任意である。BENに不変化詞HOが先行することがあり、これは当該の節がTTMレジスターよりは、マダガスカル語レジスターに寄っていることを示す。さらに、通常両手で表現されるBENは、利き手の片手表現に弱化することがある。

節頭のR項が、明示された名詞である場合には、BENは要求されない。他方、節頭のR項が代名詞的である場合にはBENの形式を採る。節頭以外の位置においては、曖昧さがなければ、R項はIXの形を採り、曖昧さが回避できないときには、R項はBENの形を採る。また受益者標示のBENはときに明示的名詞を採る。

Introduction

In this paper, I will discuss how benefactive person agreement marker (BEN) is used in Malagasy Sign Language (Tenin’ny Tanana Malagasy, TTM), which is used among deaf people in Madagascar. The data is taken from my field note from my field work in Antananarivo, August 2016 with my language consultant Mme Raobelina Nivo Haingo Holy Tiana Eva unless otherwise noted. Mme Eva jotted down sentences on notebooks using Malagasy words. She was always aware that the sentences should be in TTM of the deaf people but not in written Malagasy. Although the sentences have been written using Malagasy words, many of the sentences are ungrammatical according to the written Malagasy grammar. After writing some pages, Mme Eva would sign the sentences to my video camera, with which I would record her signing. Later I
went over the video recording while looking at the notebooks with Mme Eva’s writing and made corrections. That is to say that I added words, erased words, and/or changed word orders since sometimes Mme Eva did not sign exactly in the same way as she had written in the notebooks.

In this paper, the data are represented in five lines like in Minoura (2010: 184). Instead of trying to transform all of Mme Eva’s writings into the lines of ‘labels’ just like I did in Minoura (2008), I am showing Mme Eva’s writings and labels separately just like I did in Minoura (2010). This way, linguistically untrained Malagasy people, both deaf and hearing, can read the first line and can partially know what is talked about.

(1) hankany Behoririka izy ← what Mme Eva has written
   go.there.AV.FUT place.name (s)he ← the glosses of the written words
MANKANY BEHORIRIKA IX3 ← labels of TTM signs
   go.there place.name (s)he ← the glosses of the TTM signs

‘(s)he will go to Behoririka’ (Minoura 2010:184)

The line 1 represents what Mme Eva has written with the glosses in the line 2. The line 3 represents the labels to the signs1) and the line 4 being the glosses to the labels of the signs. I tried to make one-to-one correspondences between the labels and the signs, but this effort has not been completed, i.e. there are some many-to-one and one-to-many correspondences left. It is inevitable for now as spoken/written Malagasy and TTM have different categorization in their lexicons and in their grammars.

1. Background information

Padden (1980) Argued that American Sign Language verbs are classified into plain, agreement, and spatial verbs. Agreement verbs agree with persons. The persons involved are, in current typological terms, S in monovalent verbs (= intransitive verbs), A and P in divalent verbs (= (mono)transitive verbs), A and R in trivalent verbs (= ditransitive verbs)2). Spatial verbs encode source, goal, manner, path, etc. It is generally and roughly the same in all the natural sign languages. (Artificially constructed sign languages like Manually Coded English does not have inflections which can be observed in agreement verbs and spatial verbs in other natural sign languages (Supalla 1991).

Malagasy Sign Language (Tenin’ny Tanana Malagasy, TTM) also has plain, agreement, and
1.1. Person agreement marker (PAM)

Mathur and Rathmann (2002) started to use the term ‘person agreement marker (PAM).’ (Another term AUX, which stands for auxiliary, has been in use for similar categories even before that in Japan and elsewhere.) PAM marks agreement outside of the lexical verb. TTM, as far as I know for now, does not seem to have PAM to mark A and P/R agreement for plain verbs, but it has benefactive PAM, which I call BEN here. BEN marks beneficiary and optionally also the A argument. The manual expression, i.e. the signifier (Fr. signifiant) expressed by hands, of the BEN originates in lexical verb MANOME (give) and looks almost identical with it. The mouthing is different between the lexical verb MANOME and the BEN if the deaf signermouthes. Mouthing, however, is not obligatory and the frequency of mouthing can differ quite considerably among signers.

BEN in TTM is used for the two following purposes: 1. to mark a beneficiary adjunct, 2. to mark optionally an R argument. BEN can sometimes take an object, which makes it look more like a preposition than a canonical BEN, but I treat the canonical BEN and the prepositional BEN together in this paper. When the status of the R argument is clear, i.e. when it cannot be mistaken for A or T, the canonical BEN is not used, but simple IX is used instead (Minoura 2008, 2014). When the status of R argument is clear and there is a noun phrase for the R argument, the preposition BEN is not used.

That sometimes happens when the R argument comes after V and close to it.

1.2. Sociolinguistics of TTM

Sociolinguistic divergence in TTM depends on several factors. First of all, there is regional divergence, i.e. TTM has regional dialects as reported by Lalaniaina Lucie Rasolonirina (p.c.). The regional divergence probably is not as great as in spoken Malagasy since TTM is a relatively young language.

Secondly, there is historically motivated and consciously manipulated divergence. The foundation of TTM was established at the first deaf school in Madagascar, namely at Fo.Fa.Ma in Antsirabe, which was established in 1960 by Norwegian and Malagasy Lutheran churches. Teachers at Aka.Ma school of the deaf in the capital of Antananarivo, on the other hand, try to introduce new signs into TTM for they think TTM does not have big enough vocabulary or for
some other reasons. Their neologisms include number signs\(^6\) and separate signs for RENY (mother) and VEHIVAVY (woman), which used to be expressed by the same manual expression formerly. The neologisms do not instantly replace old signs, but instead, they give TTM signers variations to choose from when signing. They add riches to TTM, but probably not in the way the teachers at Aka.Ma have intended since both old signs and new signs remain and they are mixed together in usage.

Thirdly, there is influence from spoken/written Malagasy on TTM. One can talk about prototypical TTM register, which undergoes little influence from spoken/written Malagasy and Malagasy register of TTM, which undergoes considerable influence from spoken/written Malagasy. M\(^{me}\) Eva used to call the former tenin’ny tanana marenina (deaf sign language) and the latter tenin’ny tanana mandre (hearing sign language). But the dichotomy between the TTM register and the Malagasy register is not clearcut at all. They form a continuum with the two registers at each end instead. M\(^{me}\) Eva can go back and forth between TTM register and Malagasy register seamlessly and some little elements from Malagasy register can enter her TTM when she is predominantly using the TTM register. M\(^{me}\) Eva consciously tries to use the TTM register when I am consulting her, but sometimes she goes over to the Malagasy register probably without thinking much. M\(^{me}\) Eva tends to use Malagasy register after reading newspapers, after thinking about making a speech (kabary), and when telling preexisting stories. (When she is telling her own stories, she tends to lean more toward the TTM register. But in recent years, I notice that she puts bits of Malagasy influence into her signing after she has received some trainings for the deaf leaders of the country. Moreover, some bits of Malagasy influence get popular among deaf signers of TTM now and then for some reasons. For example, I see the Malagasy definite article NY a lot more often in recent years than before. It is not obligatory unlike in the standard spoken/written Malagasy yet, but it is ubiquitous. It coexists with the TTM deictic pointing IO, which sometimes marks non-obligatory definiteness. In fact, NY and IO are identical in manual expression, i.e. pointing at a neutral space with the index finger, but NY precedes the noun like in spoken/written Malagasy while IO mostly follows the noun\(^7\), which does not coincide with anything in spoken/written Malagasy. The traits of Malagasy register can be seen in the use of NY (the) (16, 18), the use of a clause-initial verb (13, 14, 17, 18), demonstrative sandwiching of NP (17), and the use of HO in front of BEN (21).
1.3. BEN with sociolinguistic and other variations

In section 1.1, I wrote that BEN is manually identical with the lexical verb MANOME (give). But in actuality, this statement is oversimplified. The BEN which is manually identical with MANOME can be augmented by preceding and/or following signs and can undergo some formal reduction.

BEN can be followed by IX. Then it appears that the BEN is acting as a preposition (19, 20). The IX is obligatory when the beneficiary is pronominal and plural. Moreover, when TTM leans toward Malagasy register, pronominal and singular IX can follow BEN.

BEN can be preceded by a particle HO. This is utilized to materialize the *ho* part in spoken/written Malagasy for the benefactive expressions in TTM. It is totally unnecessary from the TTM’s point of view. Let us compare a Malagasy (2) and a Malagasy-register TTM (3) examples:

\[(2) \text{ho an-dRasoa} \quad \text{(Malagasy)}
\]
\[
\text{for ACC-woman's name 'for Rasoa'}
\]

\[(3) \text{ho an-dRasoa} \quad \text{for ACC-woman's name}
\]
\[
\text{HO BEN-3⁰ RASOA} \quad \text{(Malagasy-register TTM)}
\]
\[
\text{for BEN-3 woman's name}
\]
\[
\text{‘for Rasoa’}
\]

As for reduction, TTM BEN is made with two hands, but in a reduced form, it can be expressed by a single dominant hand.

BEN complex can be described in the following formulae:

\[(4) \text{BEN (IX) (TTM-register TTM)}
\]
\[(5) \text{HO BEN IX (Malagasy-register TTM)}
\]

HO is employed to make signs look more parallel to Malagasy although the benefactive meaning is already carried by BEN in TTM, while ho and ACC are both needed in spoken/written Malagasy to convey the benefactive meaning.
2. Examination of the data

I will examine actual data in the sections below.

2.1. Clause-initial topicalized R (with or without BEN)

I have a few examples with a clause-initial topicalized R.

(6) olona io ianao inona manome?
    person that you what give.AV.PRES
    OLONA IO(ix) IX2 INONA MANOME-3?
    person the you what give-3?
    R A T

‘what are you giving the person?’ (Minoura 2008:64)

(7) ho anao fanomezana aho manome
    for you.ACC gift I give.AV.PRES
    BEN-2 FANOMEZANA IX1 1-MANOME-2
    you(R) gift I 1-give-2
    R T A

‘I give you a gift’ (ibid.)

(8) olon+tia=ny notolora=ny voninkazo
    person+love=GEN3 present.TV ix3.PST=GEN3 flower
    OLONA+TIA=IX3 MANOLOTRA-3=IX3 VONINKAZO
    Person+love=his/her present-3=(s)he flower
    R A T

‘(s)he presents his/her lover (a) flower(s)’

When the clause-initial R argument is an overt noun, it does not require a BEN (6, 8), but when the clause-initial R argument is pronominal, it is represented by a BEN (7).

2.2. Non-clause-initial R without BEN

Non-clause-initial R frequently does not require BEN, but there are exceptions.
In the examples above (9, 10), the R arguments are not marked by BEN.

Notice in the examples (11, 12) that the pronominal (not nominal) R arguments are expressed by a plain pointing (IX1.pl.INCL, IX1) but not by BEN. In both cases the R argument follows the verb and is adjacent to it (11) or is close to it (12).
This example (13) has three semantically connected clauses in TTM. The second clause consists only of a verb. The third clause has an overt T argument and the R argument is not expressed by an overt noun phrase. Mme Eva signed MANOLOTRA in the direct form and then signed again MANOLOTRA in the inverse form immediately after it. The MANOLOTRA in the inverse form in this case requires referential shifting (= role shifting), where the third person is physically aligned with the signer's space for non-shifted first person. The R arguments in the second and the third clauses are understood from the verbal inflection, i.e. the third person in the direct form of the verb and the referentially shifted third person (which physically coincides with the first person) in the inverse form of the verb.

2.3. Non-clause-initial R or beneficiary with BEN

In the example (14), the R argument is not in the clause-initial position, but it is marked by BEN. If it were expressed by IX, it would be hard to decide whether the second person is the R or
the third person. Therefore, the second person R is marked by BEN. By the way, the BEN is not preceded by HO. The verb-initial word order suggests that it leans more toward Malagasy register, but the lack of HO before BEN implies that it is not fully in the Malagasy register.

(15) boky io novidia=ko ho ahy
book the buy.TV.PST=I for me.ACC
BOKY IO12) MIVIDY BEN(INV)-1 IX1
book the buy for.me I
P beneficiary A

‘I bought the book for myself’

For the example (15), Mme Eva wrote an encliticized pronoun =ko following the theme-voice past-tense form novidia(na) in her notebook, but she did not sign IX1 there when I was filming her. She signed the IX1 at the end of the clause instead. I am not sure if it is idiosyncratic to Mme Eva or generally true for TTM, but she tends to sign pronominal index signs where necessary. Therefore, Mme Eva’s TTM is not a so-called pro-drop language in that sense.

Take a look at the example below (16):

(16) mpiasa tia miofana; aho manome
worker like get.trained.AV.PRES; I give.AV.PRES
MPIASA TIA MIOFANA; IX1 1-MANOME-3
worker like get.trained;
I 1-give-3 A
fahaizana tsara ho an’ny mpiofana
skill good ho ACC-DEF trainee
FAHAIZANA TSARA 1-BEN-3 NY MPIOFANA
skill good 1-BEN-3 DEF trainee
T R

‘workers like getting trained; I give the trainees good skills’

In the example (16), the R argument is marked by BEN. It may be caused by the fact that there are two signs between the verb and the R argument, which means that the T argument
between the verb and the R argument is not light/short enough. Moreover, M see Eva signed a Malagasy-like definite article NY in front of MPIOFANA (trainee). When she wrote the example down in her notebook she did not write the NY, but she signed it spontaneously when I was filming her sign. The second clause in (16) starting with IX1 (I) is not a perfect Malagasy sentence, but the NY (the) is an influence from the Malagasy register.

2.4. Beneficiary BEN with an overt object

In the following examples, the BEN is used in order to mark beneficiary rather than R and takes an object. It probably is acting as a preposition, but I am reluctant to clearly state that the prepositional BEN is totally different from the PAM. For the time being, I treat them together with PAM. This treatment may be wrong when compared with other sign languages, but for TTM, it seems right.

(17) misokatra  ho an'ny  rehetra  io  toerana  io
    be.open.AV.PRES  ho  ACC-DEF  all  that  place  that
    MISOKATRA  BEN-3  REHETRA IO  TOERANA IO

be.open  for  all  that  place  that
beneficiary  S

‘that place is open to everybody’

This example (17) has a couple of Malagasy-like traits, i.e. the clause-initial placement of the verb and the sandwiching of the noun phrase by demonstrative IOs. BEN-3 takes an object REHETRA (all) and acts like a preposition. It may be safe to state that the example (17) is completely in the Malagasy register except for the lack of HO unlike in (21) in the section 2.6.

(18) novaki=ko  ho an'ny  zandri=ko  ny boky
    read.TV.PST=I  ho  ACC-DEF  younger.sibling= my the book
    MAMAKY=IX1 1-BEN-3  ZANDRY=IX1  NY BOKY

read=I  for  younger.sibling= my the book
beneficiary  P

‘I read the book for my younger sibling(s)’
This example (18) also has a couple of Malagasy-like traits, i.e. the clause-initial placement of the verb and the use of the optional definite article NY\textsuperscript{10}.

2.5. BEN reduction

Let us contrast some examples with or without reduction in the manual expression of BEN.

The example (19) has two-handed BEN, i.e. BEN in full form:

(19) fianarana vita; mirary soa
study finish; wish.AV.PRES luck
FIANARANA VITA; MIRARY SOA
study finish; wish luck
T
ho azy roa
for 3PL.ACC two
BEN(2H)-3 IX3.DU
for.them them.two
R

‘Now that the study has finished, (I)\textsuperscript{10} wish them two a luck’

In the above example (19) with two semantically-related clauses, the BEN is expressed in a full form, i.e in two-handed form.

(20) mirary soa ho azy roa;
wish.AV.PRES luck for 3PL.ACC two
MIRARY SOA 1-BEN(1H)-3 IX3.DU
wish luck for.them two
T R
vita soa fianarana
finish luck study
VITA SOA FIANARANA
finish luck study

‘(I) wish them two a luck, now that the study has finished with luck’
The example (20) has very similar constituents as (19) but with a different word order. Moreover, the BEN in (20) is expressed with one hand. That is a reduction in form or what Battison (1974) called weak drop (also cf. Nishio 2009). Weak-drop is a realization of canonically two-handed sign with one hand, which is usually the dominant hand.

2.6. Malagasy-like HO preceding BEN

In the following example (21), I will show that HO precedes the BEN in some clauses that M\textsuperscript{me} Eva signed.

\begin{Verbatim}(21)\end{Verbatim}

\begin{align*}
mirary & \quad \text{soa} \quad \text{ho} \quad \text{anao} \\
wish.AV.PRES & \quad \text{luck} \quad \text{for} \quad \text{you(ACC)} \\
MIRARY & \quad \text{SOA} \quad \text{HO} \quad 1\text{-BEN(1H)-2} \\
wish & \quad \text{luck} \quad \text{for} \quad \text{for.you} \\
\text{beneficiary} & \\
ho & \quad \text{tonga+soa} \quad \text{any} \quad \text{an-tanàna} \\
FUT & \quad \text{come+well} \quad \text{there} \quad \text{ACC-town} \\
\text{TONGA+SOA} & \quad \text{ANY} \quad \text{TANÀNA} \\
\text{come+luck} & \quad \text{there} \quad \text{town} \\
\end{align*}

“(I) wish you that you will arrive safely in your home town”

In this example (21), the BEN is preceded by HO, which is redundant in TTM, but it just popped in so as to correspond with the ho in spoken/written Malagasy. On the other hand, the future marker ho and the accusative marker an- in spoken/written Malagasy were not manually realized. In fact, I have not seen the accusative marker an- anywhere in my TTM data that I have gathered since 2004. The future marker ho, which is homophonous with the ho (for), can possibly be realized by the same sign as the HO before the BEN in this example.

Summary

I will sum up important points in the previous sections. TTM has a BEN PAM (1.1), which is used to mark beneficiary adjuncts and R arguments. The BEN can be pronominal or prepositional with an object. The BEN in question varies in its form. It can be followed by IX (19, 20) and it can be preceded by HO (21). The IX is obligatory when the BEN is not followed by an
object noun and when the IX marks plurality or duality (19, 20). When the IX is singular, the IX is optional. The BEN can be preceded by HO (21) and it shows that the clause is leaning more toward the Malagasy register (2.6). Moreover, usually two-handed BEN can be reduced to a one-handed sign (20, 21).

When the clause-initial R argument is an overt noun, it does not require a BEN (6), but when the clause-initial R argument is pronominal, it is represented by a BEN (7). In a non-clause-initial position, R takes the form of IX when unambiguous, but it takes the form of BEN when ambiguous. Beneficiary BEN also sometimes takes an overt object. Then it may not be a canonical PAM but rather a preposition, but I treated the pronominal and the prepositional PAMs together in this paper.

Notes
1) The labels are written with all capitals.
3) Mouthing related to sign language production is the movement of the signer’s mouth as if (s)he is pronouncing the corresponding word in a spoken language of the area. The speech sound can be audible or inaudible. The spoken language of choice for TTM signers, if they mouth, is spoken Malagasy. But you also encounter spoken French and spoken Norwegian mouthing on very rare occasions. When mouth gesture is used, it blocks the mouthing.
4) My wife Eva mouthes a lot, while her husband mouthes considerably less.
5) IX is indexing made usually with a handshape with only index finger extended.
6) Traditional number signs use two hands where necessary, but Aka.Ma’s new number signs use only the dominant hand.
7) The NY used to have another manual form, namely the U-handshape of the dominant hand touching the palm of the B-handshape of the non-dominant hand, but the form identical with IO seems to have survived the competition.
8) BEN-3 is inflected for the third-person beneficiary or R argument.
9) This IO marks optional definiteness and/or topicality in the TTM register.
10) The three voice forms in spoken/written Malagasy are actor voice (AV), theme voice (TV), and circumstantial voice (CV), which are not transferred to TTM in one-to-one correspondence. Theme voice is thus named because S argument and P argument are unmarked in TV and it follows the absolutive-ergative pattern. But the unmarked argument includes also actor-like S argument. In the traditional description of the Malagasy grammar, the three voices are named in the following fashion: active voice, passive voice, relative voice (Rajemisa Raolison 1969, Andro Vaovao 1973). TTM rather has a voice system of its own consisting of direct voice (DIR) and inverse voice (INV).
11) In TTM, first person uses the space right in front of the signer. The second person uses the direction of the actual or imagined interlocutor. The third person uses the space to the right, the space to the left, and idiosyncratically to TTM, the space over the left shoulder, or more precisely, over the shoulder of the non-dominant-hand side. When referential shifting sets in, this configuration changes. Typically, the third person is made in the space of the physical first person. It probably has something to do with the topi-
ality of the third-person argument. See Mandel (1977) for more information on referential shifting (role shifting).

12) The demonstrative IO is sometimes used where a definite article would be required in spoken/written Malagasy. It is more TTM-like and not Malagasy-like in that it does not sandwich the noun phrase here. In spoken/written standard Malagasy, the sandwiching of a noun phrase by the demonstratives is obligatory.

13) A noun phrase sandwiched by demonstratives is certainly a Malagasy thing away from TTM register. M“ew Eva uses this sandwiching more and more recently than before, but not always.

14) The definite article NY is not used as frequently as in spoken/written standard Malagasy.

15) In the examples (19) and (20), the actor “I” or IX1 does not appear. This contradicts my statement in the section 2.3 that TTM is not a pro-drop language. My explanation to this situation is that the expression MIRARY SOA (wish luck) is an idiomatic expression used without the actor just like in English “thank you” or in TTM MISAOTRA (thank you).

Abbreviations

1 (first person), 1H (one-handed), 2 (second person), 2H (two-handed), 3 (third person), AV (actor voice), BEN (benefactive PAM), DIR (direct), DU (dual), FUT (future), INCL (inclusive), INV (inverse), PAM (person agreement marker), PL (plural), PRES (present), PST (past), RS (referential/role shifting), TTM (Malagasy Sign Language, Tenin’ny Tanana Malagasy), TV (theme voice).

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