



Implementation Guideline

STARK Deutschland GmbH

INVOIC D96.A based on EANCOM

UNA **K 1** **Separator Default**

In the UNA Segment the separators, the decimal markers and the release indicator are defined. This segment is only defined once and is thus applicable for the following messages until cancelled. It will therefore not be transmitted any further.

If required, value:“:+.?”

: separates data elements in a data element group

+ separates segment identifier, data element group and data elements

. decimal marker (point)

? release character, gives the original meaning back to the sign following the release character

blank, reserved for applications performed at a later stage

UNB	M	1	User data header
S001	M		SYNTAX IDENTIFIER
0001	M	a4	Syntax Identification <i>Constant value:</i>
<i>„UNOC“ UN/ECE Character set C As defined in ISO 8859-1: Information processing - Part 1: Latin Alphabet No. 1.</i>			
0002	M	n1	Syntax-Version number <i>Constant value:</i>
<i>„3“ EDIFACT-Syntax Version 3</i>			
S002	M		INTERCHANGE SENDER
0004	M	an..35	Interchange sender identification <i>GLN of the sender of the message.</i>
0007	M	an..4	Participant Identification, Qualifier <i>Data element in which a unique specification of the participants will be given.</i> <i>Constant value:</i>
<i>„14“ GTIN-International</i>			
S003	M		INTERCHANGE RECIPIENT
0010	M	an..35	Interchange recipient identification <i>GLN of the recipient of the message. (GLN of the SGBDD- head office)</i> <i>Constant value:</i>
<i>„4260007750001“ SGBDD head office</i>			
0007	M	an..4	Participant Identification, Qualifier <i>Data element which gives a unique specification for the participants.</i> <i>Constant value:</i>
<i>„14“ GTIN-International</i>			

S004	M		DATE/TIME OF PREPARATION
0017	M	n6	Date of preparation <i>Local date of preparation of the message by the sender in the format "YYMMDD" (This format is prescribed in accordance with the EDIFACT- Application Guideline for service segments).</i>
0019	M	n4	Time of preparation <i>Format: HHMM</i>
0020	M	AN..14	INTERCHANGE CONTROL REFERENCE <i>Unique reference to identify the interchange; assigned by the sender.</i>
S005			NOT USED
0026			NOT USED.
0029			NOT USED.
0031			NOT USED.
0032			NOT USED.
0035	K		TEST INDICATOR

Constant value:

„1“ Test transmission

Note:

*During the parallel phase the indication of a TEST INDICATOR is **obligatory!***

example:

UNB+UNOC:3+4000000000001:14+4260007500001:14+131202:1106+0+++++1'

UNH	M	1	Message Header
0062	M	AN..14	MESSAGE REFERENCE NUMBER
S009	M		MESSAGE IDENTIFIER
0065	M	an..6	Message Type Identification <i>constant value:</i>
„INVOIC“ Invoice			
0052	M	an..3	Message Type Version Number <i>constant value:</i>
„D“			
0054	M	an..3	Message Type Release Number <i>constant value:</i>
„96A“			
0051	M	an..2	Controlling agency, coded <i>constant value:</i>
„UN“			
0057	K	an..6	Association Assigned Code <i>constant value:</i>
„EAN008“			

Note:

In every interchange each message is consecutively and without interruption numbered in ascending order starting with “1”.

example:

UNH+1+INVOIC:D:96A:UN:EAN008

BGM M 1 Beginning of the message

C002 M DOCUMENT-/MESSAGE NAME

1001 M an..3 Document-/ Message name, coded
The following codes are available:

„380“	commercial invoice
„381“	credit note for products and services

1004 M AN..35 DOCUMENT-/MESSAGE NUMBER
Order number allocated by the sender

1225 M AN..3 MESSAGE FUNCTION CODED.
constant value:

„9“	Original
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example:

BGM+380+1000789645+9

DTM M 2 Date/Time-/Period data

C507 M DATE-/TIME-/PERIOD DATA

2005 M an..3 Date-/Time-/Period data
constant value:

„137“	Document date (date of invoice)
„35 “	Date of delivery

2380 M an..35 Date-/Time-/Period data
Document date or Date of delivery.
Date, formatted as indicated in data element 2379.

2379 M an..3 Date-/Time-/Period data, Format, Qualifier
constant value:

„102“	YYYYMMDD
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note:

The transmission of document date and date of delivery is mandatory. The absence of this information results in the rejection of the invoice!

standard:

document date older than 60 days = Data are rejected
document date in the future = Data are rejected

example:

DTM+137:20131130:102

DTM+35:20131129:102

FTX K 2 Free Text

In this free text form any remittance information that is relevant for the entire invoice is transmitted.

4451 M AN..3 TEXT ALLOCATION, CODED

constant value:

„ZZZ“	additional information related to receipt
„SUR“	Note of the invoicing party

4453 NOT USED.

C107 NOT USED.

C108 M TEXT

4440 M an..70 Free text

4440 K an..70 Free text

4440 K an..70 Free text

4440 K an..70 Free text

4440 K an..70 Free text

note:

In this free text form a maximum of 350 signs (5 x 70 signs) can be transmitted.

example:

FTX+ZZZ+++Relating to a possible reduction in payment appropriate

Segment-Group 1 M 3**RFF** M 1 Reference**C506** M 3 REFERENCE DETAILS**1153** M AN..3 REFERENCE, QUALIFIER*The following codes are available:*

„DQ“	Delivery note number
„ON“	Order number (purchase)
„VN“	Order number (vendor)
„IV“	Invoice number (in case of credit note)

1154 M AN..35 REFERENCE NUMBER**Note:**

*Delivery note number and order number are **mandatory** and must be transmitted completely. The absence of these information will lead to the rejection of the invoice!*

*In this segment delivery note number / order number that apply to the whole receipt **must** be transmitted.*

example:

RFF+DQ:0304413969

RFF+ON: 295-00701095-94143

RFF+VN:0010

DTM M 1 Date/Time/Period

C507 M DATE/TIME/PERIOD

2005 M an..3 Date/Time/Period Qualifier
constant value:

„171“	<i>Date of the aforementioned reference</i>
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2380 M an..35 Date/Time/Period

Date of order, date of delivery note or date of order formatted as in data element 2379 indicated.

2379 M an..3 Date/Time/Period, Format, Qualifier
constant value:

„102“	YYYYMMDD
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Group of segments 1 End

Note:

*To all reference data the date specification is **mandatory**.*

example:

DTM+171:20131129:102

Group of segments 2 M 6

NAD M 1 Name and Address

3035 M AN..3 PARTICIPANT, QUALIFIER

The following codes are available:

„BY“	Buyer
„IV“	Invoicee
„DP“	Delivery address
„DS“	Distributor
„SU“	Supplier
„II“ or „SE“	Invoicing party
„UC“	Ultimate customer

Note:

The codes for the invoicing party and distributors are to be used as follows:

Description	Code
<i>Invoicing party equal supplier (of goods)</i>	Only II
<i>Invoicing party not equal supplier (of goods)</i>	SE and DS <i>In this case in addition to the invoice (SE) the supplier (DS) is indicated..</i>

The codes for the invoicee and the buyer have to be used as follows:

Description	Code	Comments
<i>Käufer</i>	BY	Here the GLN of the buying SGBDD –location is required.
<i>Invoicee</i>	IV	<i>NAD+IV+4260007750001 for Raab Karcher, Keramundo, Fliesen Discount</i> <i>NAD+IV+ 4260007753200 Saxonia Baustoffe</i> <i>NAD+IV+ 4260007753064 Muffenrohr Tiefbauhandel</i> <i>NAD+IV+ 4260007753163 Dr. Sporckenbach</i> <i>NAD+IV+ 4260007750919 Platten Peter</i>

C082	M		PARTICIPANT IDENTIFICATION DETAILS		
3039	M	an..17	Trading partner identification number, coded <i>Dependent on the above indicated qualifier, the global location number (GLN) of the trading partner is indicated here.</i>		
1131			NOT USED		
3055	M	an..3	Code list responsible agency, coded <i>constant value:</i> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="padding: 2px;">„9“</td> <td style="padding: 2px;">GTIN</td> </tr> </table>	„9“	GTIN
„9“	GTIN				
C058			NOT USED		
C080	K		NAME OF THE PARTICIPANT		
3036	M	an..35	Name of the participant <i>Name of the Trading partner in plaintext</i>		
3036	K	an..35	Name of the participant <i>Name of the Trading partner in plaintext</i>		
C059	K		STREETNAME OF THE PARTICIPANT		
3042	K	an..35	Street and number/P.O. Box <i>Name of the building/-number and Street name or P.O.Box</i>		
3164	K	an..35	CITY NAME <i>City name in plaintext</i>		
3229			NOT USED		
3251	M	AN..9	POSTCODE <i>Postcode</i>		
3207	K	AN..3	LAND, CODED <i>ISO 3166 2-Alpha Code</i>		

Notes:

*For the invoice (IV), the invoicing party (SE or II) and the distributor (DS) the transmission of the GLN is **prescribed, in addition the name1 and name2 must be indicated with the code (DS) in the data element.***

*For the transmission of the delivery address (DP) and the final recipient (UC) the data elements 3036 (name), 3042 (street), 3164 (city) and 3251 (postal code) must be used for the transmission of the **entire address**. The GLN-Number may be added if existent.*

example:

NAD+II+4011111111111111++Muster Firma +Muster Straße 6+Musterstadt++60314+DE

NAD+IV+4260007750001++SGBD Deutschland++Frankfurt++60314+DE

NAD+BY+4260007756706++SGBD Deutschland GmbH:Niederlassung Raab
Karcher+Mayfarthstr. 14+Frankfurt++60314+DE

NAD+DP+++Muster- Bauchemie GmbH+Musterstr. 54+Musterstadt++60314+DE

Group of segments 3 M 1

RFF M 1 Reference

C506 M REFERENCE

1153 M an..3 Reference, Qualifier

„VA“	Value added tax registration number
„FC“	Tax number

1154 M an..35 Reference number

Reference number, with relation to the qualifier chosen in data element 1153.

Group of Segments 3 End

Notes:

*The indication of at least one reference **is obligatory**. The absence of this information causes the non-acceptance of the invoice!*

example:

RFF+VA:DE123456789

Group of segments 5 K 1

CTA M 1 Contact person

This segment is used to identify contact persons within the enterprise specified in the previous NAD-segment.

3139 K an..3 Function of the contact person

The following codes are available

„AR“ or „PD“	Accounts receivable
„OC“	Order contact

C056 K DEPARTMENT- OR AGENT DETAILS

3413 M an..35 Department or agent, identification

Name of the person in charge

3412 K an..35 Department or agent

Name of the person in charge

COM K 2 Communication contact

C076 M COMMUNICATION CONTACT

3148 M an..25 Communication number

3155 M an..3 Communication channel/-service, Qualifier

The following codes are available:

„FX“	Telefax
„TE“	Telephone (number)

Group of segments 5 End

Group of segments 2 End

example:

CTA+AR+:Max Mustermann'

COM+069 9958145:TE'

COM+069 9958103:FX'

Group of segments 6 M 1

TAX M 1 Tax class/ class of charges
This segment is used to indicate the tax details for the entire invoice.

5283 M an..3 Duty-/tax details, Qualifier
constant value:

„7”	Tax
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C241 M DUTY- TAX-FEE TYPE

5153 M an..3 Duty-/tax-/fee type, coded
constant value:

„VAT”	Value added tax
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C533 NOT USED

C243 M DUTY-/TAX-/FEE RATE

5279 NOT USED.

1131 NOT USED.

3055 NOT USED.

5278 M an..17 Duty-/tax-fee rate
*Tax rate to **two** decimal places.*

Group of segments 6 End**Notes:**

*If the sales are **tax-exempt** or non-taxable, the data element (DE) 5278 must explicitly be assigned with **value 0** (zero).*

Group of segments 7M 1

This group of segments identifying the CUX-segment for the transmission of the basic currency information for the entire receipt.

CUX M 1 Currency details

C504 M CURRENCY DETAILS

6347 M an..3 Currency details, Qualifier
constant value:

„2“	<i>Reference currency</i>
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6345 M an..3 Currency, coded

„EUR“	<i>Euro</i>
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6343 M an..3 Currency, Qualifier
constant value:

„4“	<i>Currency of the invoice</i>
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Group of segments 7 End

example:

CUX+2:EUR:4

Group of segments 8 K 3

PAT M 1 Terms of payment
Specifies the details of the payment.

4279 M AN..3 TYPE OF TERMS OF PAYMENT, QUALIFIER
The following codes are available:

„3“	<i>fixed date</i>
„7“	<i>extended</i>
„22“	<i>Discount (cash discount)</i>

C110 NOT USED.

C112 M Terms of payment details

2475 M an 3 payment reference time, coded.
constant value:

„5“	<i>after date of invoice</i>
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2009 M an 3 time relation ,Qualifier.
constant value:

„3“	<i>after reference</i>
-----	------------------------

2151 M an 3 type of period, coded.
constant value:

„D“	<i>day</i>
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2152 M n 3 number of periods (days).

example:

PAT+3'

DTM M 1 Date/Time/Period details

C507 M DATE/TIME/PERIOD DETAILS

2005 M an..3 Date/Time/Period details, Qualifier
The following codes are available:

„209“	Date of value
„12“	Settlement date after discount

2380 M an..35 Date/Time/Period details
Date, formatted as specified in data element 2379

2379 M an..3 Date/Time/Period details, format, Qualifier
constant value:

„102“	YYYYMMDD
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PCD M 1 Percentage Details

The PCD segment specifies the percentage details for the before mentioned terms of payment.

C501 PERCENTAGE DETAILS

5245 M AN..3 Percentage, Qualifier
Constant value:

„12“	Discount
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5482 M N..10 Percentage,
Percentage rate to two decimal places

Group of segments 8 End

example for value date:

PAT+3'
 DTM+209:20041202:102'

example for value days:

PAT+7++5:3:D:22'

example for discount date:

PAT+3'
 DTM+12:20041125:102'
 PCD+12:4'

example for discount days:

PAT+22++5:3:D:22'
 PCD+12:4'

Group of segments 12 K 1

TOD M 1 Terms of delivery

The terms of delivery for the entire receipt are transmitted here.

4055 M AN..3 TERMS OF DELIVERY FUNCTION, CODED

The following codes are available:

„4“	customer collection
„10E“	supply by deliverer

Group of segments 12 End

example:

TOD+10E

Group of segments 15 M 10

This group of segments contains the ALC-segment and the group of segments n 17 until 21 and describes the supplementary taxes or price reductions which refer to the entire receipt.

ALC M 1 Charges or allowances

5463 M AN..3 CHARGES- OR ALLOWANCES, QUALIFIER

The following codes are available:

„A“	Allowance
„C“	Charge

C 552 NOT USED.

4471 K AN..3 ALLOCATION TYPE, QUALIFIER

1227 M AN..3 CALCULATION SEQUENCE INDICATOR, CODED,

The following codes are available:

„1“	first costing level
„2“	second costing level
etc.	

C214 M SPECIAL SERVICES IDENTIFICATION

7161 M Special services, coded

The following codes are available:

„DI“	Discount
„FC“	Freight charge
„IN“	Insurance fees
„PC“	Packing charges
„RAA“	Reimbursement

7160 K AN..35 DISCOUNT DESCRIPTION, FREE TEXT

example:

ALC+C++1+1+FC'

Group of segments 18 M 1

PCD M 1 Percentage Details

Here percentage details for the previously defined allowances and charges will be numbered.

C501 M PERCENTAGE DETAILS

5245 M AN..3 Percentage, Qualifier
Constant value:

„3“ Allowances or Charges

5482 M N..10 Percentage,
Percentage rate to two decimal places

Group of segments 18 End

Group of segments 19 M 1

MOA M 1 Amount

The MOA-segment identifies the absolute value for the previously defined allowances and charges

C516 M AMOUNT

5025 M AN..3 Amount, Qualifier
constant value:

„8“ Amount of charges or discount
„146“ Price per unit

5004 M N..18 Amount of charges or discount
Amount to two decimal places

Group of segments 19 End

Group of segments 15 End

example:

PCD+3:1.25'

MOA+8:97.71'

Group of segments 25 M 9999

LIN M 1 Line item

This segment describes invoiced line items. The details section of the invoice is formed by a repeating group of segments, always starting with a LIN-segment.

1082 M N..6 LINE ITEM NUMBER

Serial line item number assigned by the sender.

1229 NOT USED

C212 M ITEM NUMBER IDENTIFICATION

7140 K an..35 Item/Service number

7143 M an..3 Item/Service number, coded
constant value:

„EN“ International Article Numbering Association
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Notes:

*If an GTIN exists it has to be transmitted in the LIN-segment, in addition the suppliers item number (LAN) has to be transmitted in the PIA-segment. If **no** GTIN exists, the LAN has obligatory be available in the PIA-segment.*

example:

LIN+10++1234567890123:EN

PIA M 2 Additional product identification
In the PIA-segment additional information related to the item can be transmitted.

4347 M AN..3 PRODUCT IDENTIFIKATION FUNCTION, CODED
The following codes are available:

„1“ <i>Additional identification</i>

C212 ITEM/SERVICE NUMBER, IDENTIFIKATION

7140 M an..35 Item/Service number

7143 M an..3 Item/Service number, coded

The following codes are available:

„BP“ <i>Item number of the buyer</i>
„SA“ <i>Item number of the supplier</i>

example:

PIA+1+689824:BP

PIA+1+GGP XY06 0059:SA

IMD K 999 Product/Service description

This segment is used to describe the actual item. The maximum repetition rate of the segment is 10.

7077 M AN..3 PRODUCT/SERVICE DESCRIPTION, ART, CODED
constant value:

„F“	free form
„A“	

7081 K NOT USED

C273 M PRODUCT/SERVICE DESCRIPTION

7009 *NOT USED*

1131 *NOT USED*

3055 *NOT USED*

7008 M an..35 Product/Service description 1
Product description 1 (1-35) /

7008 K an..35 Product/Service description 2
Product description 2 (36-70)

Notes:

*This segment is **obligatory** in the case of customized products, measurement, bulk material, etc.*

example:

IMD+A++:::sample goods horizontally pivoted sash window:. BH.-Moon wood 55x118

QTY M 2 Quantity
This segment is used to indicate the supplied and charged quantities of the article described in the LIN-segment.

C186 M QUANTITIES

6063 M an..3 Quantity, Qualifier
The following codes are available:

„46“	supplied quantity
„47“	charged quantity

6060 M n..15 Quantity
*quantity to **three** decimal places.*

6411 M an..3 measuring unit, Qualifier
The following codes are available:

see code list 6411

Notes:

*Both quantity qualifier **must be transmitted** if there is a divergency between supplied and charged quantity.*

example:

QTY+46:1:PCE

QTY+47:1:PCE

FTX K 1 Free text
Basically the use of free text is not recommended as during the electronic data exchange the free text usually has to be manually processed by the recipient.

4451 M AN..3 CLASSIFICATION OF THE TEXT, CODED
constant value:

„ZZZ“ Line item text

4453 NOT USED.

C107 NOT USED.

C108 M TEXT

4440 M an..70 Free text

4440 K an..70 Free text

4440 K an..70 Free text

4440 K an..70 Free text

Notes:

In free text a maximum of 350 characters (5 x 70 characters) will be transmitted.

Group of segments 26 M 2

MOA M 1 Amount

This segment is used to specify the amount.

C516 M AMOUNT

5025 M an..3 Amount, Qualifier

constant value:

<i>„203“ Item amount</i>

5004 M n..18 Amount

Amount to **two** decimal places.

Group of segments 26 End

Group of segments 28 M 2

PRI M 1 Price details

This segment contains the relevant price information for the product currently identified in the LIN-segment.

C509 M PRICE INFORMATION

5125 M an..3 Price, Qualifier

The following codes are available:

„AAA“	Net price (incl. Charges and allowances, tax-exempt)
„AAB“	Gross price (without Charges and allowances, tax-exempt)

5118 M n..15 Price

*Price of the article to **three** decimal places.*

5375 K n..15 NOT USED

5387 NOT USED

5284 M n..9 Unit price basis

Quantity with reference to the previously quoted price and the units of measurement specified in the data element 6411. If the price refers to one item in this data element the figure one (1) and in the data element 6411 the code PCR for piece must be transmitted.

The price basis must be indicated as follows:

„1“ = 1 Unit
 „10“ = 10 Units
 „100“ = 100 Units

etc.

If the contents are not filled to capacity the price remains independent of quantity.

6411 M an..3 Measurement unit, Qualifier

see code list 6411

Group of segments 28 End

Notes:

*A PRI+AAA to **every item position is obligatory!** The PRI+AAB must be transmitted as soon as a discount is shown.*

example:

PRI+AAB:128.000:CA::1:PCE

PRI+AAA:96.000:CA::1:PCE

Group of segments 38 M 10

ALC M 1 Allowances and charges

5463 M AN..3 ALLOWANCE OR CHARGE, QUALIFIER

The following codes are available:

„A“	Allowance
„C“	Charge

C 552 NOT USED.

4471 K NOT USED

1227 K AN..3 CALCULATION SEQUENCE INDICATOR, CODED,

The following codes are available:

„1“	First costing level
„2“	Second costing level
etc.	

C214 M IDENTIFICATION OF SPECIAL SERVICES AND PERFORMANCES

7161 M special services, coded

The following codes are available:

„DI“	discount
„FC“	freight charge
„IN“	insurance fees
„PC“	packing charges
„RAA“	reimbursement

7160 K AN..35 DISCOUNT DESCRIPTION, FREE TEXT

example:

ALC+A+++1+DI

Group of segments 40 M 1

PCD M 1 Percentage Details

In the PCD-segment percentage details for the before mentioned allowances or charges will be defined.

C501 PERCENTAGE DETAILS

5245 M AN..3 Percentage, Qualifier
constant value:

„3“	Allowance or charges
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5482 M N..10 Percentage

Group of segments 40 End

Group of segments 41 M 2

MOA M 1 Amount

This segment is used to indicate the amount.

C516 M AMOUNT

5025 M an..3 Type of amount, Qualifier
constant value:

„8“	amount of allowance or charge
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5004 M n..18 Amount

Amount to **two** decimal places.

Group of segments 41 End

Group of segments 38 End

example:

PCD+3:25.00

MOA+8:32.00

UNS M 1 Section Control
The UNS-segment is a service-segment and designates the separation between the part relating to an item and the part relation to the total sum.

0081 M A1 SECTION IDENTIFIER, CODED
constant value:

„S“ <i>Separation between item and sum total</i>
--

Group of segments 48 M 6

example:

UNS+S

MOA M 1 Amount

C516 M AMOUNT

5025 M an..3 Type of amount, Qualifier
constant value:

„77“ <i>Amount of the invoice</i>
„79“ <i>net value of the goods of all items</i>
„124“ <i>VAT amount</i>
„125“ <i>rateable amount</i>
„129“ <i>discountable amount</i>
„131“ <i>sum of all charges and allowances</i>

5004 M n..18 amount
 Amount to **two** decimal places.

Group of segments 48 End

example:

MOA+77:2659.78
 MOA+79:2235.11
 MOA+125:2235.11
 MOA+124:424.67
 MOA+129:2659.780
 MOA+131:0.000

UNT	M 1	Message trailer <i>This segment is used to close a message and to check that it is complete.</i>
0074	M N..6	NUMBER OF SEGMENTS IN A MESSAGE <i>Number of the segments transmitted with this message, incl. the segments UNH and UNT.</i>
0062	M AN..14	MESSAGE-REFERENCE NUMBER <i>Here the same reference number has to be inserted as in UNH / 0062.</i>

UNZ	M 1	User Data Trailer <i>This segment is used to terminate the transmission file and to check that it is complete.</i>
0036	M N..6	DATA EXCHANGE COUNTER <i>Here the number of messages in the user data framework UNB...UNZ is entered.</i>
0020	M AN..14	DATA EXCHANGE REFERENCE <i>The same reference number as in UNB / 0020 must be entered.</i>

example:

UNT+65+1
UNZ+1+0