

KITS

EDI Technical Documentation

EDIFACT Standard Version D96A

PROOF OF DELIVERY (RECADV)

Version 1.0

1. Overview

This specification provides the details of the Receiving advice message (RECADV) to be used in Electronic Data Interchange (EDI) in EDIFACT – Version D96 format between Operating Company and the Vendor.

This message is to address the business needs related to the goods receipt. This message is used to report the physical receipt of goods.

The message RECADV should always be sent by the Supplier to the buyer after the physical delivery is done. In case the customer rejects the goods, the vendor needs to send with RECADV with zero quantity. The RECADV message should be sent after the ASN is sent.

2. Segments Layout

The segments are presented in the sequence in which they appear in the message. The segment or segment group tag consists of Segment Name; Segment code; Status; maximum field lengths; maximum number of repeats of the segment/element and the details/descriptions to provide extra required information.

Descriptions which has been flagged as **Not Required**, highlights the elements/segment which is not used in KITS.

There is various status of Data elements as per EANCOM standard, but for KITS messages we use only three statuses as (M)andatory / (C)onditional / (R)equired :

CODE	STATUS	USE
M	Mandatory	Code Indicator defines that the segment/element must be used.
C	Conditional	Code Indicator defines that the segment/element is optional. It can or cannot be used by the Vendors as per their own requirements.
R	Required	Code indicator defines that the segment /element is conditional as per the EDIFACT message standards , but the message information is mandatory only for the company (KITS).

3. Interchange structure and service segments

- The interchange structure in an EDIFACT transmission is organised in several grouping levels. The service segments are the envelope of the groups.
- The first service segment possible in an interchange is the 'UNA' segment which is used to define the separators being used in the interchange.
- The second service segment, "UNB", indicates the beginning of the interchange.
- The last service segment, "UNH", indicates the beginning of a given message.
- To each beginning service segment corresponds an ending service segment (note, UNA is not a beginning segment).

Service string advice:	UNA
Interchange envelope:	UNB UNZ
Message envelope:	UNH UNT

A segment consists of:

- A segment tag: identifies the segment type
- Data element separators
- Component Data elements
- A segment terminator

4. Separators

Apostrophe	'	=	segment terminator
Plus sign	+	=	segment tag and data element separator
Colon	:	=	component data element separator
Question Mark	?	=	release character; immediately preceding one of the service characters, it restores their normal meaning.

E.g. 10?+10=20 means 10+10=20

5. Conventions

The following conventions apply in the present documentation:

- a..3 up to 3 alphabetic characters
- n..3 up to 3 numeric characters

- an..3 up to 3 alpha-numeric characters

6. Segment Structure

All the service segments and the segment groups has been detailed in the below descriptions. An Example of an EDIFACT segment has been mentioned to identify the segment separators and the data values.

DTM+137:19940101:102'

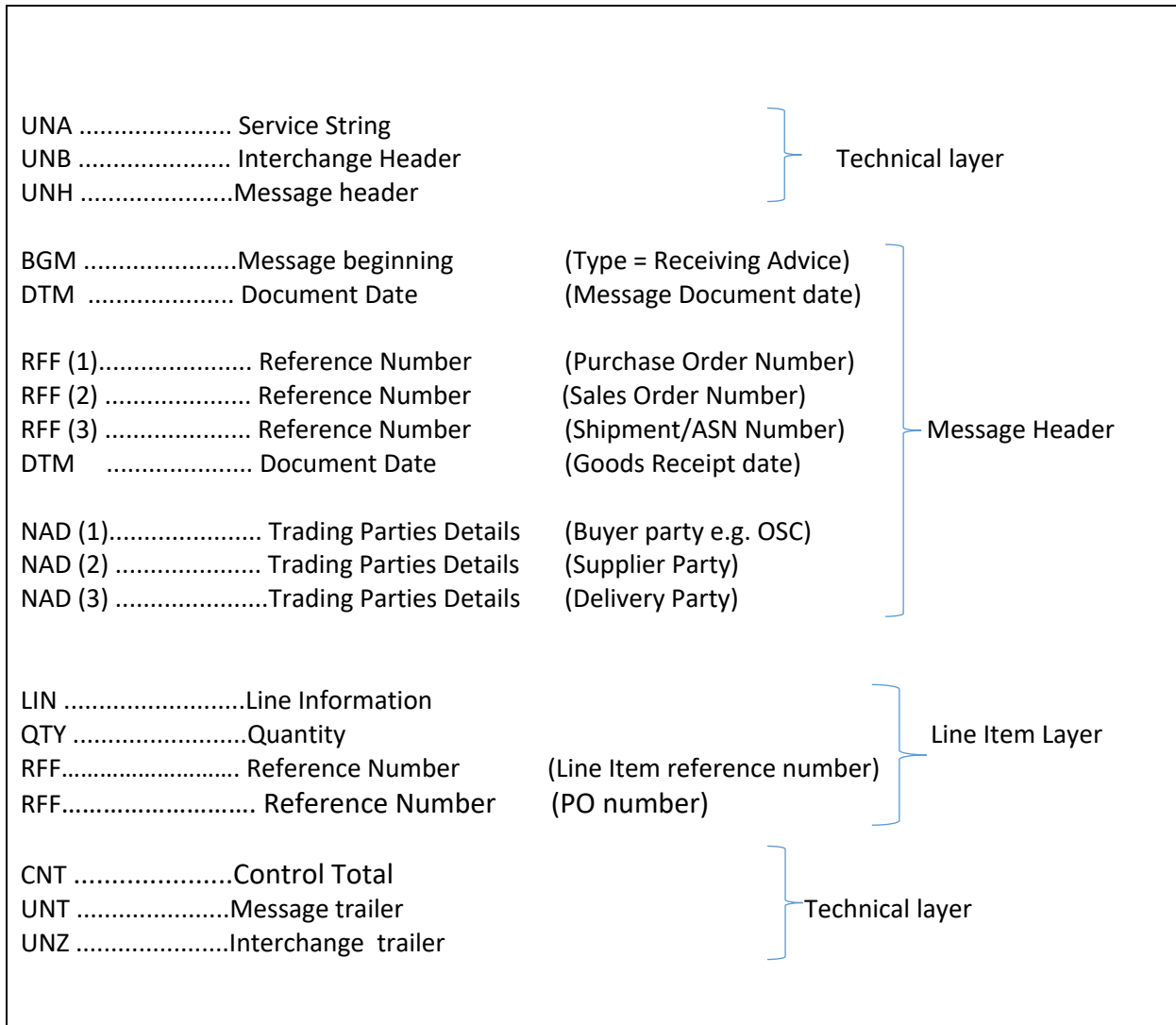
DTM	=	Tag of the "Date" segment;
+	=	separator;
137	=	Qualifier to indicate the date is the Message Date;
:	=	separator of data elements within a composite (here, the date qualifier and the date);
20160101	=	the date;
:	=	separator of data elements within a composite (here, the date and the date format qualifier);
102	=	Qualifier to indicate the format of the date (CCYYMMDD);
'	=	Segment terminator.

7. Message Structure Chart

Here collections of segments repeat as a group, which is mentioned as segment groups. **Number of Repeats** defines the number of times a particular segment or segment group may repeat. This structure is specific only for KITS messages.

TAG	SEGMENT NAME	M/C/R	Number of Repeats
UNA	Service String	M	1
UNB	Interchange Header	M	1
UNH	Message header	M	1
BGM	Message beginning	M	1
DTM	Document Date	M	1
	SEGMENT GROUP 1	R	3
RFF	Reference Details	M	1
DTM	Document Date	C	1
	SEGMENT GROUP 4	M	3
NAD	Name & Address Details	M	1
	START OF LINE INFORMATION	R	9999
	SEGMENT GROUP 22	R	
LIN	Line Details	M	1
QTY	Quantity of the Item	M	1
	SEGMENT GROUP 28	R	
RFF	Reference of Item Number	M	1
RFF	Reference of the PO	M	1
	END OF LINE INFORMATION		
CNT	Control Total	R	1
UNT	Message trailer	M	1
UNZ	Interchange trailer	M	1

Segments structure layer is defined as below:



8. Message Segment Details

This specification contains only the segment details for the messages specific for KITS. Other Segments (as per the GS1 EANCOM standard) which are not used in the Message has not been defined here.

All the segments details have been listed in the same sequence they appear on the message. Specific Comments has been added in the Description column to clarify KITS requirements.

For some of the segments, the code has been fixed (as per the EDIFACT message standard codes) . This code has been defined with a tag name as **Default Value=** (code)

SEGMENT	SEGMENT NO.	SEGMENT NAME	M/C/R	PIC	DESCRIPTION	
UNA	:		M			
	UNA1	+	Data element separator	M	an.1	Is used to separate two simple or composite data elements (Default value = +)
	UNA2		Decimal notation	M	an.1	Is used to indicate the character used for decimal notation (Default value = .)
	UNA3		Release character	M	an.1	Used to restore the separator and the terminator signs to their original specification (Default value= ?)
	UNA4		Reserved for future use	M	an.1	Default value = (space)
	UNA5		Segment terminator	M	an.1	Used to indicate the end of segment data (Default value = ')
<p>Remarks:</p> <p>This segment is used to inform the receiver of the interchange that a set of service string characters which are different to the default characters are being used.</p> <p>Example:</p> <p>UNA:+.? '</p>						

SEGMENT	SEGMENT NO.	SEGMENT NAME	M/C/R	PIC	DESCRIPTION	
UNB	+					
	S001		SYNTAX IDENTIFIER	M		
	0001		SYNTAX IDENTIFIER	M	an.4	Default Value =UNOA
	0002	:	Syntax version number	M	n.1	Default Value = 3
	S002		INTERCHANGE SENDER			

	0004	+	Sender identification	M	an.35	Supplier's ANA/GLN code (As a KITS format, the code should be of 13 digits)
	0007	:	Sender Qualifier	C	an.4	ANA/GLN Qualifier
	S003		INTERCHANGE RECIPIENT			
	0010	+	Recipient identification	M	an.35	KITS ANA/GLN Identity (As a KITS format, the code should be of 13 digits)
	0007	:	Sender Qualifier	C	an.4	ANA/GLN Qualifier
	S004		DATE/TIME OF MESSAGE			
	0017	+	Date	M	n.6	YYMMDD
	0019	:	Time	M	n.6	HHMM
	0020	+	Interchange control reference	M	an.14	Unique reference identifying the interchange. Created by the interchange sender.
			REFERENCE	C		
	0035	+	Test indicator only in accordance with partner arrangement	C	an.14	Indicator as agreed for the Test messages.

Remarks:

This is a mandatory segment. It is used to envelope the interchange and identify the two trading parties.

Example:

UNB+UNOA:3+3017002657108:14+3020400000100:14+060228:1053+014097'

SEGMENT		SEGMENT NO.		SEGMENT NAME	M/C/R	PIC	DESCRIPTION
UNH	+	0062		Message reference Number	M	an.14	Sender's unique message reference. Sequence number of the messages in the interchange. The reference in the UNT segment should match with the reference number mentioned here.
		S009		MESSAGE IDENTIFIER	M		
		0065	+	Message Type Identifier	M	an.6	RECADV (Code to identify that the message is a Receiving Advice/ Goods Receipt)
		0052	:	Message type version number	M	an.3	D (UN/EDIFACT Directory)
		0054	:	Message type release number	M	an.3	96A (Release 1996 – A)
		0051	:	Controlling agency	M	an.2	Default value= UN
		0057	:	Association assigned code	R	an.6	Default value= EAN008

Remarks:

This service segment is used to uniquely identify & specify the type of message. Segment No 0057 states that EANCOM version 008 is being used.

Example:

UNH+1+RECADV:D:96A:UN:EAN008'

SEGMENT		SEGMENT NO.		SEGMENT NAME	M/C/R	PIC	DESCRIPTION
BGM	+	C002		BEGINNING OF MESSAGE	M		V
		1001		Message name code	R	an.3	632 = Proof of Delivery (Resembles the standard code for message as GOODS RECEIPT) 352 = Proof of collection (Should be used for Return PO)
		1131	:	Code list Qualifier	C	an.3	Not required
		3055	:	Code List	C	an.3	Not required
		1000	:	Message name	C	an.35	Not required
		1004	+	Document Number	R	an.35	Goods Receipt Reference Number. This reference number should not be more than 20 digits.
		1225	+	Message function code number	C	an.3	Default Value= 9 (Resemble original message) Default Value= 31 (Resemble copy of an original message)

Remarks:

This segment is used to indicate the type, function, and the reference document number of a Receiving Advice (Goods Receipt) message.

For sending a POD (Proof of delivery) the value of BGM.1001 should be 632

For sending a POC (Proof of collection) the value of BGM.1001 should be 352

Example:

BGM+632+RC91237611+9'

SEGMENT		SEGMENT NO.	SEGMENT NAME	M/C/R	PIC	DESCRIPTION	
DTM	+	C507	DATE/TIME/PERIOD	R			
		2005	Date qualifier	M	an.3	Default value= 137 (Resemble Document date code)	
		2380	:	Date	M	an.35	Date in CCYMMDD format
		2379	:	Date format qualifier	M	an.3	Default value= 102 (Resemble Date in format CCYMMDD)

Remarks:

This segment is used to specify the document date of the Good Receipt message. The below example shows that the document date is 6th August 2017.

Example:

DTM+137:20170806:102'

SEGMENT		SEGMENT NO.	SEGMENT NAME	M/C/R	PIC	DESCRIPTION	
DTM	+	C507	DATE/TIME/PERIOD	R			
		2005	Date qualifier	M	an.3	Default value= 50 (Actual delivery date code)	
		2380	:	Date	M	an.35	Date in CCYMMDD format
		2379	:	Date format qualifier	M	an.3	Default value= 102 (Resemble Date in format CCYMMDD)

Remarks:

This segment is used to specify the actual delivery date of the goods. The below example shows the actual delivery date is 26th July 2017.

Example:

DTM+50:20170726:102'

RFF SEGMENTS :

SEGMENT		SEGMENT NO.		SEGMENT NAME	M/C/R	PIC	DESCRIPTION
RFF	+	C506		REFERENCE	C		
		1153		Reference qualifier	M	an.3	Default value= ON
		1154	:	Reference number	M	an.35	Purchase Order Number. It should be the same as the PO number as you received.

Remarks:

This segment is used to specify the **purchase order number** for which the Receiving Advice is being sent.

Example:

RFF+ON:0091237611'

SEGMENT		SEGMENT NO.		SEGMENT NAME	M/C/R	PIC	DESCRIPTION
RFF	+	C506		REFERENCE	C		
		1153		Reference qualifier	M	an.3	Default value= UC
		1154	:	Reference number	M	an.35	Sales Order Number

Remarks:

This segment is used to specify the **sales order number** (as provided in the purchase order sent from OPCO)

Example:

RFF+UC:0987657611'

SEGMENT		SEGMENT NO.		SEGMENT NAME	M/C/R	PIC	DESCRIPTION
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RFF	+	C506		REFERENCE	R		
		1153		Reference qualifier	M	an.3	Default value= DQ
		1154	:	Reference number	M	an.35	Shipment/DESADV reference Number. This number should not be more than 16 digits and it should be same as the DESADV reference number.

Remarks:

This segment is used to specify the **Shipment/ASN number** (as sent by the vendor for the purchase order)

Example:

RFF+DQ:2005671611021890'

SEGMENT		SEGMENT NO.		SEGMENT NAME	M/C/R	PIC	DESCRIPTION
DTM	+	C507		DATE/TIME/PERIOD	C		
		2005		Date qualifier	M	an.3	Default value= 171 (Resemble code for Document Reference date)
		2380	:	Date	M	an.35	Date in CCYMMDD format
		2379	:	Date format qualifier	M	an.3	Default value= 102 (Resemble Date in format CCYMMDD)

Remarks:

This segment is used to specify the ASN date
The below example shows the ASN date is 26th July 2017.

Example:

DTM+171:20170726:102'

NAD SEGMENTS :

NAD	Name & Address details	Number of Repeats= 3	Mandatory (M)
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SEGMENT		SEGMENT NO.		SEGMENT NAME	M/C	PIC	DESCRIPTION
NAD	+			NAME & ADDRESS	M		
		3035		Party qualifier	M	an.3	Default value= BY (Resemble Buyer)
		C082		PARTY DETAILS	R		
		3039	+	Party Id Identification	M	an.35	GLN Number of the Buyer. It should be same as you received in the Purchase Order.
		1131	:	Code list Qualifier	C	an.3	Not required
		3055	:	Party Id Code	M	an.3	Default value= 9
		C080		PARTY NAME	C		
		3036	+	Buyer Name	M	an.35	Name of the Operating Company
		3036	:	Buyer Name	C	an.35	Buyer Name 2
		3036	:	Buyer Name	C	an.35	Buyer Name 3
		C059		STREET			
		3042	:	Street Number/P.O Box	C	an.35	Street Number or Post Office Box number
				CITY NAME			
		3164	+	City name	C	an.35	Name of a city (a town, a village) for addressing purposes
				POST CODE			
		3251	+	Post Code identification	C	an.9	Code defining postal zones or addresses

			COUNTRY CODE			
	3207	+	Country code	C	an.3	Identification of the name of a country or other geographical entity

Remarks:

This segment is used in identifying names, addresses and locations of the Buyer Party.
 Buyer (BY) is referred to the party who creates & send the Order. As for example below, the buyer 3020400000100 has send the Order.

Example:

NAD+BY+3020400000100::9'

SEGMENT	SEGMENT NO.	SEGMENT NAME	M/C	PIC	DESCRIPTION
NAD	+	NAME & ADDRESS	M		
	3035	Party qualifier	M	an.3	Default value= SU (Resemble Supplier)
	C082	PARTY DETAILS	R		
	3039	Party Id Identification	M	an.35	GLN Number of the Supplier
	1131	: Code list Qualifier	C	an.3	Not required
	3055	: Party Id Code	M	an.3	Default value= 9
	C080	PARTY NAME	C		
	3036	+ Buyer Name	M	an.35	Name of the Supplier
	3036	: Buyer Name	C	an.35	Supplier Name 2
	3036	: Buyer Name	C	an.35	Supplier Name 3
	C059	STREET			
	3042	: Street Number/P.O Box	C	an.35	Street Number or Post Office Box number
			CITY NAME		

		3164	+	City name	C	an.35	Name of a city (a town, a village) for addressing purposes
				POST CODE			
		3251	+	Post Code identification	C	an.9	Code defining postal zones or addresses
				COUNTRY CODE			
		3207	+	Country code	C	an.3	Identification of the name of a country or other geographical entity

Remarks:

This segment is used to identify the trading partners.

Identification of Supplier Party (Name/Address & Locations) is mentioned. SU (Supplier Party) refers to whom the Order is being sent.

Example:

NAD+SU+3017002657108::9'

SEGMENT		SEGMENT NO.		SEGMENT NAME	M/C	PIC	DESCRIPTION
NAD	+			NAME & ADDRESS	M		
		3035		Party qualifier	M	an.3	Default value= DP (Resemble Delivery Party)
		C082		PARTY DETAILS	R		
		3039	+	Party Id Identification	M	an.35	GLN Number of the Delivery party. It should be same as you received in the Purchase Order
		1131	:	Code list Qualifier	C	an.3	Not required
		3055	:	Party Id Code	M	an.3	Default value= 9
		C080		PARTY NAME	C		
		3036	+	Buyer Name	M	an.35	Name of the Delivering Vendor/place

		3036	:	Buyer Name	C	an.35	Delivery Vendor/Place Name 2
		3036	:	Buyer Name	C	an.35	Delivery Vendor/Place Name 3
		C059		STREET			
		3042	:	Street Number/P.O Box	C	an.35	Street Number or Post Office Box number
				CITY NAME			
		3164	+	City name	C	an.35	Name of a city (a town, a village) for addressing purposes
				POST CODE			
		3251	+	Post Code identification	C	an.9	Code defining postal zones or addresses
				COUNTRY CODE			
		3207	+	Country code	C	an.3	Identification of the name of a country or other geographical entity

Remarks:

Identification of Delivery location (Name/Address & Locations) is mentioned. DP refers to the Physical place of delivery.

Example:

NAD+DP+3020400011908::9'

SEGMENT		SEGMENT NO.		SEGMENT NAME	M/C/R	PIC	DESCRIPTION
LIN	+			LINE ITEM DETAILS	M		
		1082	+	Line item number	R	n.6	Line Item number in the message.
		1229	+	Action Request code	C	an.3	Not required.

		C212		ITEM NUMBER IDENTIFICATION	R		
		7140	+	Item number	R	an.35	EAN Code for the article. This should be same as you received in the Purchase Order.
		7143	:	Item loading count Number type code	R	an.3	Default value= EN Code for International Article numbering Association (EAN)

Remarks:

This segment is used to provide the EAN details of the items ordered.

Example:

LIN+1+++3454971328064:EN'

SEGMENT		SEGMENT NO.		SEGMENT NAME	M/C/R	PIC	DESCRIPTION
PIA			+	ITEM DETAILS	C		
		4347		ITEM ID qualifier	M	an.3	Default value as per the below types: 5 = Article Identification
		C212		ITEM Number	M		
		7140	+	Article Number	R	an.35	Supplier article number
		7143	:	Code Type	R	an.3	Default value= SA (Resemble Supplier Article Number)
		1131	:	Code list Qualifier	C	an.3	Not required
		3055	:	Code list responsible agency, coded	C	an.3	Not required

Remarks:

This segment is used to specify supplier 's Item number for the item ordered.

Example:

PIA+5+25588903:SA'

SEGMENT	SEGMENT NO.	SEGMENT NAME	M/C/R	PIC	DESCRIPTION	
IMD	+	ITEM DETAILS	C			
	7077	Item Type	R	an.3	Default code =E (Resemble Free Form Short description)	
	7081	+	Characteristic code	C	an.3	Default code as per below: ANM = Name of the article (code GS1) TPE = Article Type (Code GS1)
	C273		ITEM DESCRIPTION	C		
	7009	+	Item Description Identification	C	an.17	NULL
	1131	:	Code list Qualifier	C	an.3	NULL
	3055	:	Code list Responsible	C	an.3	NULL
	7008	:	Item description 1	C	an.35	Description of the Ordered product
	7008	:	Item description 2	C	an.35	Description of the Ordered product
	3453	:	Language coded	C	an.3	Not required
	7383	+	Surface/layer indicator, (coded)	C	an.3	Not required

Remarks:

This segment is used to describe the ordered line item.

Example:

IMD+E+ANM+:::CORN CRISPIESCASE'

SEGMENT	SEGMENT NO.	SEGMENT NAME	M/C/R	PIC	DESCRIPTION	
QTY	+	C186		QUANTITY DETAILS	R	
		6063		Quantity Qualifier	M	an.3 Default value= 194 Resemble the quantity that has been Received & Accepted
		6060	:	Quantity	M	n.17 Number of product/item. The vendor needs to send quantity 0 if a customer rejects the good.
		6411	:	Measure unit qualifier	R	an.3 Unit of Measurement. You need to send the same Unit of measurement for each product as you received in the Purchase order.

Remarks:

This segment is used to specify the total quantity delivered for a line item and the unit of measurement of the goods.

The below examples show that 10 EACH of an Item has been delivered.

Example:

QTY+194:10:EA'

SEGMENT	SEGMENT NO.	SEGMENT NAME	M/C/R	PIC	DESCRIPTION
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RFF	+	C506		REFERENCE	R		
		1153		Reference qualifier	M	an.3	Default value= LI
		1154	:	Reference number	M	an.35	Line Item Reference Number. This should be same as the Purchase order. It should be 5 digits.

Remarks:

This segment is used to specify the Line Item Reference number (as sent in the purchase order)

Example:

RFF+LI:00006'

SEGMENT		SEGMENT NO.		SEGMENT NAME	M/C/R	PIC	DESCRIPTION
RFF	+	C506		REFERENCE	R		
		1153		Reference qualifier	M	an.3	Default value= ON (Resemble code for reference number assigned to an order)
		1154	:	Reference number	M	an.35	Original Purchase Order number

Remarks:

This segment is used to provide Purchase order reference number

Example:

RFF+ON:0100008593'

SEGMENT		SEGMENT NO.		SEGMENT NAME	M/C	PIC	DESCRIPTION
CNT	+			CONTROL TOTAL	M		

		6069		Control Qualifier	M	a.3	Default value= 2 (Resemble code for number of line items)
		0081	:	Control Value	M	a.18	Total number of Line items in a message

Remarks:

This segment is used to separate the detail and summary sections of the message.

Example:

CNT+2:7'

SEGMENT		SEGMENT NO.		SEGMENT NAME	M/C/R	PIC	DESCRIPTION
UNT	+			MESSAGE TRAILER	M		
		0074		Number of segments in a message	M	n.6	Total number of segments in the message
		0062	+	Message reference number	M	an.14	The message reference numbered detailed here should equal the one specified in the UNH segment

Remarks:

This segment is used to separate the detail and summary sections of the message.

Example:

UNT+12+ 00000000000001'

SEGMENT		SEGMENT NO.		SEGMENT NAME	M/C/R	PIC	DESCRIPTION
UNZ	+			INTERCHANGE TRAILER	M		

		0036		Interchange Control Count	M	n.6	Number of messages or functional groups within the interchange.
		0020	+	Interchange Control reference	M	an.14	The message reference numbered detailed here should equal the one specified in the UNB segment

Remarks:

This segment is used to provide the trailer of an interchange.

Example:

UNZ+1+00000092345555'

Examples:

UNA:+.? '
 UNB+UNOA:3+3017002657108:14+3020400000100:14+060228:1053+014097'
 UNH+1+RECADV:D:96A:UN:EAN008'
 BGM+632+RC91237611+9'
 DTM+137:20180426:102'
 DTM+50:20180426:102'
 RFF+ON:9123761102'
 RFF+UC:6576110001'
 RFF+DQ:2005670611001890'
 DTM+171:20180426:102'
 NAD+BY+3020400250000::9'
 NAD+SU+3017002657108::9'
 NAD+DP+3020400000001::9'
 LIN+1++3454971328064:EN'

QTY+194:10:EA'
RFF+ON:9123761102'
RFF+LI:00001'
LIN+2++3454971328163:EN'
QTY+194:10:EA'
RFF+ON:9123761102'
RFF+LI:00002'
LIN+3++3454971328170:EN'
QTY+194:0:EA'
RFF+ON:9123761102'
RFF+LI:00003'
LIN+4++3454971328200:EN'
QTY+194:15:EA'
RFF+ON:9123761102'
RFF+LI:00004'
LIN+5++3454971361139:EN'
QTY+194:12:EA'
RFF+ON:9123761102'
RFF+LI:00005'
LIN+6++3454971361399:EN'
QTY+194:5:EA'
RFF+ON:9123761102'
RFF+LI:00006'
LIN+7++3262426102004:EN'
QTY+194:5:EA'
RFF+ON:9123761102'
RFF+LI:00007'
CNT+2:7'
UNT+41+1'
UNZ+1+014097'