



# **Distributor Inventory INVRPT**

**Version: D97A Final**

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# INVRPT

## Inventory report message

A message specifying information relating to held inventories. The Inventory report message is intended to be used in either direction between trading partners.

### Segments:

<u>Pos</u>	<u>Tag</u>	<u>Segment Name</u>	<u>Status</u>	<u>Repetition</u>	<u>Notes</u>	<u>Usage</u>
	UNB	INTERCHANGE HEADER	M	1		Used

### Heading:

<u>Pos</u>	<u>Tag</u>	<u>Segment Name</u>	<u>Status</u>	<u>Repetition</u>	<u>Notes</u>	<u>Usage</u>
0010	UNH	MESSAGE HEADER	M	1	N1/0010	Must use
0020	BGM	BEGINNING OF MESSAGE	M	1	N1/0020	Must use
0040	DTM	DATE/TIME/PERIOD	M	10	N1/0040	Must use

### Detail:

<u>Pos</u>	<u>Tag</u>	<u>Segment Name</u>	<u>Status</u>	<u>Repetition</u>	<u>Notes</u>	<u>Usage</u>
0100		Segment Group 9	C	9999	N	
0110	LIN	LINE ITEM	M	1	N2/0110	Must use
0200		Segment Group 10	C	10	N	
0230		Segment Group 11	C	9999	N	
0250	QTY	QUANTITY	M	1	N2/0250	Must use
0310		Segment Group 12	C	5	N	
0320	NAD	NAME AND ADDRESS	M	1	N2/0320	Must use
0520	UNT	MESSAGE TRAILER	M	1	N2/0520	Must use

### Segments:

<u>Pos</u>	<u>Tag</u>	<u>Segment Name</u>	<u>Status</u>	<u>Repetition</u>	<u>Notes</u>	<u>Usage</u>
	UNE	FUNCTIONAL GROUP TRAILER	C	1		Used
	UNZ	INTERCHANGE TRAILER	M	1		Used

### Clarification:

- 1/0010 A service segment starting and uniquely identifying a message. The message type code for the Inventory report message is INVRPT. Note: Inventory report messages conforming to this document must contain the following data in segment UNH, composite S009: Data element 0065 INVRPT 0052 D 0054 97B 0051 UN
- 1/0020 A segment for unique identification of the Inventory Report document, name and its number.
- 1/0040 Date/time/period related to the whole message. The segment must be specified at least once to identify the date at which the inventory report was issued.
- 2/0100 A group of segments providing detailed information on each line of the inventory report.
- 2/0110 A segment identifying a specific line item in the inventory report. All other segments in the detail section refer to the line item.
- 2/0200 A group of segments giving references only relating to the specified line item.
- 2/0230 A group of segments providing a quantity with all inventory management related information and optionally package details, line item currencies and references.
- 2/0250 A segment to provide a quantity information suitably qualified, for the product referred to by the LIN segment, e.g. opening balance quantity, closing balance quantity, inventory movement quantity, etc.
- 2/0310 A segment group to identify the owner of the inventory.
- 2/0320 A segment to identify the owner of the stock.
- 2/0520 A service segment ending a message, giving the total number of segments in the message and the control reference number of the message.

# UNB INTERCHANGE HEADER

Pos:	Max: 1
- Mandatory	
Group: N/A	Elements: 11

To start, identify and specify an interchange.

## Element Summary:

<u>Ref</u>	<u>Tag</u>	<u>Element Name</u>	<u>Status</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
UNB010	S001	<b>SYNTAX IDENTIFIER</b> <b>Description:</b> Identification of the agency controlling the syntax and indication of syntax level.	M	Comp		Must use
	0001	<b>Syntax identifier</b> <b>Description:</b> Coded identification of the agency controlling a syntax and syntax level used in an interchange. All valid standard codes are used.	M	A	4/4	Used
	0002	<b>Syntax version number</b> <b>Description:</b> Version number of the syntax identified in the syntax identifier (0001). All valid standard codes are used.	M	N	1/1	Used
UNB020	S002	<b>INTERCHANGE SENDER</b> <b>Description:</b> Identification of the sender of the interchange.	M	Comp		Must use
	0004	<b>Sender identification</b> <b>Description:</b> Name or coded representation of the sender of a data interchange.	M	AN	1/35	Used
	0007	<b>Partner identification code qualifier</b> <b>Description:</b> Qualifier referring to the source of codes for the identifiers of interchanging partners. All valid standard codes are used.	C	AN	1/4	Used
	0008	<b>Address for reverse routing</b> <b>Description:</b> Address specified by the sender of an interchange to be included by the recipient in the response interchanges to facilitate internal routing.	C	AN	1/14	Used
UNB030	S003	<b>INTERCHANGE RECIPIENT</b> <b>Description:</b> Identification of the recipient of the interchange.	M	Comp		Must use
	0010	<b>Recipient identification</b> <b>Description:</b> Name or coded representation of the recipient of a data interchange.	M	AN	1/35	Used
	0007	<b>Partner identification code qualifier</b> <b>Description:</b> Qualifier referring to the source of codes for the identifiers of interchanging partners. All valid standard codes are used.	C	AN	1/4	Used
	0014	<b>Routing address</b> <b>Description:</b> Address specified by the recipient of an interchange to be included by the sender and used by the recipient for routing of received interchanges inside his organization.	C	AN	1/14	Used
UNB040	S004	<b>DATE/TIME OF PREPARATION</b> <b>Description:</b> Date/time of preparation of the interchange.	M	Comp		Must use
	0017	<b>Date of preparation</b> <b>Description:</b> Local date when an interchange or a functional group was prepared.	M	N	6/6	Used

<u>Ref</u>	<u>Tag</u>	<u>Element Name</u>	<u>Status</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
	<b>0019</b>	<b>Time of preparation</b> <b>Description:</b> Local time of day when an interchange or a functional group was prepared.	<b>M</b>	<b>N</b>	<b>4/4</b>	<b>Used</b>
<b>UNB050</b>	<b>0020</b>	<b>INTERCHANGE CONTROL REFERENCE</b> <b>Description:</b> Unique reference assigned by the sender to an interchange.	<b>M</b>	<b>AN</b>	<b>1/14</b>	<b>Must use</b>
<b>UNB060</b>	<b>S005</b>	<b>RECIPIENTS REFERENCE PASSWORD</b> <b>Description:</b> Reference or password as agreed between the communicating partners.	<b>C</b>	<b>Comp</b>		<b>Used</b>
	<b>0022</b>	<b>Recipient's reference/password</b> <b>Description:</b> Unique reference assigned by the recipient to the data interchange or a password to the recipient's system or to a third party network as specified in the partners interchange agreement.	<b>M</b>	<b>AN</b>	<b>1/14</b>	<b>Used</b>
	<b>0025</b>	<b>Recipient's reference/password qualifier</b> <b>Description:</b> Qualifier for the recipient's reference or password. All valid standard codes are used.	<b>C</b>	<b>AN</b>	<b>2/2</b>	<b>Used</b>
<b>UNB070</b>	<b>0026</b>	<b>APPLICATION REFERENCE</b> <b>Description:</b> Identification of the application area assigned by the sender, to which the messages in the interchange relate e.g. the message identifier if all the messages in the interchange are of the same type.	<b>C</b>	<b>AN</b>	<b>1/14</b>	<b>Used</b>
<b>UNB080</b>	<b>0029</b>	<b>PROCESSING PRIORITY CODE</b> <b>Description:</b> Code determined by the sender requesting processing priority for the interchange. All valid standard codes are used.	<b>C</b>	<b>A</b>	<b>1/1</b>	<b>Used</b>
<b>UNB090</b>	<b>0031</b>	<b>ACKNOWLEDGEMENT REQUEST</b> <b>Description:</b> Code determined by the sender for acknowledgement of the interchange. All valid standard codes are used.	<b>C</b>	<b>N</b>	<b>1/1</b>	<b>Used</b>
<b>UNB100</b>	<b>0032</b>	<b>CUMMUNICATIONS AGREEMENT ID</b> <b>Description:</b> Identification by name or code of the type of agreement under which the interchange takes place.	<b>C</b>	<b>AN</b>	<b>1/35</b>	<b>Used</b>
<b>UNB110</b>	<b>0035</b>	<b>TEST INDICATOR</b> <b>Description:</b> Indication that the interchange is a test. All valid standard codes are used.	<b>C</b>	<b>N</b>	<b>1/1</b>	<b>Used</b>

# UNH MESSAGE HEADER

Pos: 0010	Max: 1
Heading - Mandatory	
Group: N/A	Elements: 4

To head, identify and specify a message.

## Element Summary:

<u>Ref</u>	<u>Tag</u>	<u>Element Name</u>	<u>Status</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
UNH010	0062	<b>MESSAGE REFERENCE NUMBER</b> <b>Description:</b> Unique message reference assigned by the sender.	M	AN	1/14	Must use
UNH020	S009	<b>MESSAGE IDENTIFIER</b> <b>Description:</b> Identification of the type, version etc. of the message being interchanged.	M	Comp		Must use
	0065	<b>Message type identifier</b> <b>Description:</b> Code identifying a type of message and assigned by its controlling agency. <u>Code Name</u> INVRPT Inventory report message	M	AN	1/6	Must use
	0052	<b>Message type version number</b> <b>Description:</b> Version number of a message type. <u>Code Name</u> D Draft version	M	AN	1/3	Must use
	0054	<b>Message type release number</b> <b>Description:</b> Release number within the current message type version number (0052). <u>Code Name</u> 97A Release 1997 - A	M	AN	1/3	Must use
	0051	<b>Controlling agency</b> <b>Description:</b> Code identifying the agency controlling the specification, maintenance and publication of the message type. <u>Code Name</u> UN UN/ECE/TRADE/WP.4,United Nations Standard Messages (UNSM)	M	AN	1/2	Must use
	0057	<b>Association assigned code</b> <b>Description:</b> Code, assigned by the association responsible for the design and maintenance of the message type concerned, which further identifies the message.	C	AN	1/6	Used
UNH030	0068	<b>COMMON ACCESS REFERENCE</b> <b>Description:</b> Reference serving as a key to relate all subsequent transfers of datato the same business case or file.	C	AN	1/35	Used
UNH040	S010	<b>STATUS OF THE TRANSFER</b> <b>Description:</b> Statement that the message is one in a sequence of transfers relatingo the same topic.	C	Comp		Used
	0070	<b>Sequence message transfer number</b> <b>Description:</b> Number assigned by the sender indicating that the message is an addition or change of a previously sent message relating to the same topic.	M	N	1/2	Must use
	0073	<b>First/last sequence message transfer indication</b> <b>Description:</b> Indication used for the first and last message in a sequence of the same type of message relating to the same topic.	C	A	1/1	Used

<u>Ref</u>	<u>Tag</u>	<u>Element Name</u>
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<u>Status</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
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All valid standard codes are used.

# BGM BEGINNING OF MESSAGE

Pos: 0020	Max: 1
Heading - Mandatory	
Group: N/A	Elements: 3

To indicate the type and function of a message and to transmit the identifying number.

## Element Summary:

<u>Ref</u>	<u>Tag</u>	<u>Element Name</u>	<u>Status</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
BGM010	C002	<b>DOCUMENT/MESSAGE NAME</b> <b>Description:</b> Identification of a type of document/message by code or name. Code preferred.	C	Comp		Used
	1001	<b>Document/message name, coded</b> <b>Description:</b> Document/message identifier expressed in code. <u>Code Name</u> 35 Inventory report	C	AN	1/3	Used
	3055	<b>Code list responsible agency, coded</b> <b>Description:</b> Code identifying the agency responsible for a code list. <u>Code Name</u> 6 UN/ECE (United Nations - Economic Commission for Europe)	C	AN	1/3	Used
BGM020	C106	<b>DOCUMENT/MESSAGE IDENTIFICATION</b> <b>Description:</b> Identification of a document/message by its number and eventually its version or revision.	C	Comp		Must use
	1004	<b>Document/message number</b> <b>Description:</b> Reference number assigned to the document/message by the issuer.	C	AN	1/35	Must use
BGM030	1225	<b>MESSAGE FUNCTION, CODED</b> <b>Description:</b> Code indicating the function of the message. <u>Code Name</u> 9 Original	C	AN	1/3	Used

**DTM DATE/TIME/PERIOD**

Pos: 0040	Max: 10
Heading - Mandatory	
Group: N/A	Elements: 1

To specify date, and/or time, or period.

**Element Summary:**

<u>Ref</u>	<u>Tag</u>	<u>Element Name</u>	<u>Status</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
DTM010	C507	<b>DATE/TIME/PERIOD</b> <b>Description:</b> Date and/or time, or period relevant to the specified date/time/period type.	M	Comp		Must use
	2005	<b>Date/time/period qualifier</b> <b>Description:</b> Code giving specific meaning to a date, time or period. <u>Code Name</u> 91 Report end date	M	AN	1/3	Must use
	2380	<b>Date/time/period</b> <b>Description:</b> The value of a date, a date and time, a time or of a period in a specified representation.	C	AN	1/35	Used
	2379	<b>Date/time/period format qualifier</b> <b>Description:</b> Specification of the representation of a date, a date and time or of a period. <u>Code Name</u> 102 CCYYMMDD	C	AN	1/3	Used



# Segment Group 9

Pos: 0100	Max: 9999
Detail - Conditional	
Group: Group 9Elements: NA	

## Segment Summary:

<u>Pos</u>	<u>Tag</u>	<u>Segment Name</u>	<u>Status</u>	<u>Repetition</u>	<u>Notes</u>
0110	LIN	LINE ITEM	M	1	N
0200		Segment Group 10	C	10	N
0230		Segment Group 11	C	9999	N

**LIN****LINE ITEM**

<b>Pos: 0110</b>	<b>Max: 1</b>
<b>Detail - Mandatory</b>	
<b>Group: Group 9 Elements: 2</b>	

To identify a line item and configuration.

**Element Summary:**

<u>Ref</u>	<u>Tag</u>	<u>Element Name</u>	<u>Status</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
LIN010	1082	<b>LINE ITEM NUMBER</b> <b>Description:</b> Serial number designating each separate item within a series of articles.	C	AN	1/6	Used
LIN030	C212	<b>ITEM NUMBER IDENTIFICATION</b> <b>Description:</b> Goods identification for a specified source.	C	Comp		Used
	7140	<b>Item number</b> <b>Description:</b> A number allocated to a group or item. <b>User Note 1:</b> <i>Seagate Model Number</i>	C	AN	1/35	Used
	7143	<b>Item number type, coded</b> <b>Description:</b> Identification of the type of item number. <b>Code Name</b> MF Manufacturer's (producer's) article number	C	AN	1/3	Used

# Segment Group 10

Pos: 0200	Max: 10
Detail - Conditional	
Group: Group 10Elements: N	

## Segment Summary:

<u>Pos</u>	<u>Tag</u>	<u>Segment Name</u>	<u>Status</u>	<u>Repetition</u>	<u>Notes</u>
Group Contains No Segments!					

# Segment Group 11

Pos: 0230	Max: 9999
Detail - Conditional	
Group: Group 11Elements: N	

## Segment Summary:

<u>Pos</u>	<u>Tag</u>	<u>Segment Name</u>	<u>Status</u>	<u>Repetition</u>	<u>Notes</u>
0250	QTY	QUANTITY	M	1	N
0310		Segment Group 12	C	5	N

**QTY****QUANTITY**

Pos: 0250	Max: 1
Detail - Mandatory	
Group: Group 11Elements: 1	

To specify a pertinent quantity.

**Element Summary:**

<u>Ref</u>	<u>Tag</u>	<u>Element Name</u>	<u>Status</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
QTY010	C186	<b>QUANTITY DETAILS</b> <b>Description:</b> Quantity information in a transaction, qualified when relevant. <b>User Note 1:</b> <i>Multi packs should be multiplied out and always be reported as Each</i>	M	Comp		Must use
6063		<b>Quantity qualifier</b> <b>Description:</b> Code giving specific meaning to a quantity. <b>Code Name</b> 17 Quantity on hand/Available 57 Intransit quantity 61 Return Quantity 66 Committed/Reserved Quantity	M	AN	1/3	Must use
6060		<b>Quantity</b> <b>Description:</b> Numeric value of a quantity. <b>User Note 1:</b> <i>Quantity On Hand</i>	M	N	1/15	Must use
6411		<b>Measure unit qualifier</b> <b>Description:</b> Indication of the unit of measurement in which weight (mass), capacity, length, area, volume or other quantity is expressed. <b>User Note 1:</b> <i>Always use 'EA' for Each</i>	C	AN	1/3	Used

# Segment Group 12

Pos: 0310	Max: 5
Detail - Conditional	
Group: Group 12Elements: N	

## Segment Summary:

<u>Pos</u>	<u>Tag</u>	<u>Segment Name</u>	<u>Status</u>	<u>Repetition</u>	<u>Notes</u>
0320	NAD	NAME AND ADDRESS	M	1	N

# NAD NAME AND ADDRESS

Pos: 0320	Max: 1
Detail - Mandatory	
Group: Group 12Elements: 2	

To specify the name/address and their related function, either by CO82 only and/or unstructured by CO58 or structured by CO80 thru 3207.

## Element Summary:

<u>Ref</u>	<u>Tag</u>	<u>Element Name</u>	<u>Status</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
NAD010	3035	<b>PARTY QUALIFIER</b> <b>Description:</b> Code giving specific meaning to a party. <u>Code Name</u> WH Warehouse keeper	M	AN	1/3	Must use
NAD040	C080	<b>PARTY NAME</b> <b>Description:</b> Identification of a transaction party by name, one to five lines. Party name may be formatted.	C	Comp		Used
	3036	<b>Party name</b> <b>Description:</b> Name of a party involved in a transaction. <b>User Note 1:</b> <i>Distributor's Ship-From location code (max length is 10)</i>	M	AN	1/10	Must use

# UNT MESSAGE TRAILER

Pos: 0520	Max: 1
Detail - Mandatory	
Group: N/A	Elements: 2

To end and check the completeness of a message.

## Element Summary:

<u>Ref</u>	<u>Tag</u>	<u>Element Name</u>	<u>Status</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
UNT010	0074	NUMBER OF SEGMENTS IN A MESSAGE <b>Description:</b> Control count of number of segments in a message.	M	N	1/6	Must use
UNT020	0062	MESSAGE REFERENCE NUMBER <b>Description:</b> Unique message reference assigned by the sender.	M	AN	1/14	Must use



# UNZ INTERCHANGE TRAILER

Pos:	Max: 1
- Mandatory	
Group: N/A	Elements: 2

To end and check the completeness of an interchange.

## Element Summary:

<u>Ref</u>	<u>Tag</u>	<u>Element Name</u>	<u>Status</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
UNZ010	0036	INTERCHANGE CONTROL COUNT <b>Description:</b> Count either of the number of messages or, if used, of the number of functional groups in an interchange.	M	N	1/6	Must use
UNZ020	0020	INTERCHANGE CONTROL REFERENCE <b>Description:</b> Unique reference assigned by the sender to an interchange.	M	AN	1/14	Must use

**Example**

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UNB+UNOA:1+TESTPARTNR:ZZ+098533326TST:ZZ+040325:1038+121598'
UNH+0+INVRPT:D:97A:UN'
BGM+35::6+20040325103804054000000+9'
DTM+91:20040319:102'
LIN+1++ST340016A:MF'
QTY+17:10.000:PCE'
NAD+WH+++701/DCCZ'
LIN+2++ST340810A:MF'
QTY+17:13.000:PCE'
NAD+WH+++701/DCCZ'
LIN+3++ST380020A:MF'
QTY+17:11.000:PCE'
NAD+WH+++701/DCCZ'
UNT+13+0'
UNH+1+INVRPT:D:97A:UN'
BGM+35::6+20040325103804054000001+9'
DTM+91:20040319:102'
LIN+1++ST340016A:MF'
QTY+17:10.000:PCE'
NAD+WH+++701/DFIC'
LIN+2++ST340810A:MF'
QTY+17:13.000:PCE'
NAD+WH+++701/DFIC'
LIN+3++ST380020A:MF'
QTY+17:11.000:PCE'
NAD+WH+++701/DFIC'
UNT+13+1'
UNH+2+INVRPT:D:97A:UN'
BGM+35::6+20040325103804054000002+9'
DTM+91:20040319:102'
LIN+1++ST340016A:MF'
QTY+17:20.000:PCE'
NAD+WH+++706/SKLO'
LIN+2++ST340810A:MF'
QTY+17:22.000:PCE'
NAD+WH+++706/SKLO'
LIN+3++ST380020A:MF'
QTY+17:21.000:PCE'
NAD+WH+++706/SKLO'
UNT+13+2'
UNZ+3+121598'

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