Rithum™

INVRPT Inventory Report Message

Introduction:

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

Notes:

MESSAGE PURPOSE:

The Inventory message (INVRPT) is used to update the availability status of products. Each time an INVRPT is submitted a supplier must certify the status for ALL of the SKU's in the assortment being offered to the channel to whom the INVRPT is addressed.

To reduce data traffic, if, at the time an INVRPT is being generated, the availabilty status for a SKU has not changed since the last INVRPT was submitted, it is not necessary for that SKU to be included in the current INVRPT submission.

SKUs that are not included in an INVRPT submission are considered to be recertified with their previously reported status.

DATA ELEMENT REQUIREMENTS AND USAGE:

The following User Attributes are employed in this document:

M - Mandatory by the EDIFACT standard.
M/U - Must be used to meet the requirements of this channel
D - Dependent
R - Recommended
X - not used

Any element not marked with one of the above indicates that the element may included in the message but is not required in all cases.

Heading Section:

User Attribute	Pos. No.	Seg. ID	Name	Req. Des.	Max.Use	Group Repeat	Notes and Comments
M	0010	UNH	Message Header	M	1		
M	0020	BGM	Beginning of Message	M	1		
M	0030	DTM	Date/Time/Period	M	10		

Detail Section:

User Attribute	Pos. No.	Seg. ID	Name	Req. Des.	Max.Use	Group Repeat	Notes and Comments
	0280		Segment Group 9: LIN-PIA-DTM-	C		9999	

			SG11			
M	0290	LIN	Line Item	M	1	
	0300	PIA	Additional Product Id	C	10	
	0350	DTM	Date/Time/Period	C	5	
	0390		Segment Group 11: QTY-LOC-SG14	C		9999
M	0400	QTY	Quantity	M	1	
	0430	LOC	Place/Location Identification	C	5	
	0530		Segment Group 14: RFF-DTM	C		10
M	0540	RFF	Reference	M	1	
	0550	DTM	Date/Time/Period	C	1	
M	0670	UNT	Message Trailer	M	1	

Segment:	**UNH Message Header**
Position:	0010
Group:	
Level:	0
Usage:	Mandatory
Max Use:	1
Purpose:	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 96A 0051 UN
Dependency Notes:	
Semantic Notes:	
Comments:	
Business Rules:	Variable Name: UNH1

Data Element Summary

User Attribute	Data Element	Component Element	Name	Attributes Req	Des/Repr
M	0062		**MESSAGE REFERENCE NUMBER**	M	an..14
			Unique message reference assigned by the sender.		
M	S009		**MESSAGE IDENTIFIER**	M	
			Identification of the type, version etc. of the message being interchanged.		
M		0065	**Message type identifier**	M	an..6
			Code identifying a type of message and assigned by its controlling agency.		
			INVRPT Inventory report message		
			Message specifying information relating to held inventories. The inventory report message is intended to be used in either direction between trading partners.		
M		0052	**Message type version number**	M	an..3
			Version number of a message type.		
			D Version D		
M		0054	**Message type release number**	M	an..3
			Release number within the current message type version number (0052).		
			96A Version 96A		
M		0051	**Controlling agency**	M	an..2
			Code identifying the agency controlling the specification, maintenance and publication of the message type.		
			UN UN/ECE/TRADE/WP.4, United Nations Standard Messages (UNSM)		
			UN Economic Commission for Europe (UN/ECE), Committee on the development of trade (TRADE), Working Party on facilitation of international trade procedures (WP.4).		
		0057	**Association assigned code**	C	an..6
			Code, assigned by the association responsible for the design and maintenance of the message type concerned, which further identifies the message.		
			EAN008 Version EAN008		
	0068		**COMMON ACCESS REFERENCE**	C	an..35
			Reference serving as a key to relate all subsequent transfers of data to the same business case or file.		

	S010		**STATUS OF THE TRANSFER**	C	

Statement that the message is one in a sequence of transfers relating to the same topic.

M		0070	**Sequence message transfer number**	M	n..2

Number assigned by the sender indicating that the message is an addition or change of a previously sent message relating to the same topic.

		0073	**First/last sequence message transfer indication**	C	a1

Indication used for the first and last message in a sequence of the same type of message relating to the same topic.

Segment:	**BGM Beginning of Message**
Position:	0020
Group:	
Level:	0
Usage:	Mandatory
Max Use:	1
Purpose:	A segment for unique identification of the Inventory Report document, name and its number.
Dependency Notes:	
Semantic Notes:	
Comments:	

Data Element Summary

User Attribute	Data Element	Component Element	Name	Attributes Req	Des/Repr
	C002		**DOCUMENT/MESSAGE NAME**	C	
			Identification of a type of document/message by code or name. Code preferred.		
M/U		1001	**Document/message name, coded**	C	an..3
			Document/message identifier expressed in code.		
			35 Inventory report		
			A message specifying information relating to held inventories.		
	1004		**DOCUMENT/MESSAGE NUMBER**	C	an..35
			Reference number assigned to the document/message by the issuer.		
	1225		**MESSAGE FUNCTION, CODED**	C	an..3
			Code indicating the function of the message.		
			9 Original		
			Initial transmission related to a given transaction.		

Segment:		**DTM Date/Time/Period**			
Position:		0030			
Group:					
Level:		1			
Usage:		Mandatory			
Max Use:		10			
Purpose:		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.			

Dependency Notes:
Semantic Notes:
Comments:
Notes: All dates/times must be sent in GMT and "GMT" should be used as the timezone code in the DTM01:02.

Data Element Summary

User Attribute	Data Element	Component Element	Name	Attributes Req	Des/Repr
M	C507		**DATE/TIME/PERIOD**	M	
			Date and/or time, or period relevant to the specified date/time/period type.		
M		2005	**Date/time/period qualifier**	M	an..3
			Code giving specific meaning to a date, time or period.		
		137	Document/message date/time (2006) Date/time when a document/message is issued. This may include authentication.		
			Date/time this report on inventory status was generated		
		2380	**Date/time/period**	C	an..35
			The value of a date, a date and time, a time or of a period in a specified representation.		
		2379	**Date/time/period format qualifier**	C	an..3
			Specification of the representation of a date, a date and time or of a period.		
		304	CCYYMMDDHHMMSSZZZ See 204 plus Z=Time zone.		

Group:	**LIN Segment Group 9: Line Item**	
Position:	0280	
Group:		
Level:	1	
Usage:	Conditional (Optional)	
Max Use:	9999	
Purpose:	A group of segments providing detailed information on each line of the inventory report.	

<div align="center">

Segment Summary

</div>

User Attribute	Pos. No.	Seg. ID	Name	Req. Des.	Max. Use	Group: Repeat
M	0290	LIN	Line Item	M	1	
	0300	PIA	Additional Product Id	C	10	
	0350	DTM	Date/Time/Period	C	5	
	0390		Segment Group 11: Quantity	C		9999

Segment:	**LIN Line Item**
Position:	0290 (Trigger Segment)
Group:	Segment Group 9 (Line Item) Conditional (Optional)
Level:	1
Usage:	Mandatory
Max Use:	1
Purpose:	A segment identifying a specific line item in the inventory report. All other segments in the detail section refer to the line item.
Dependency Notes:	
Semantic Notes:	
Comments:	

Data Element Summary

User Attribute	Data Element	Component Element	Name	Attributes Req	Des/Repr
	C212		**ITEM NUMBER IDENTIFICATION**	C	
			Goods identification for a specified source.		
		7140	**Item number**	C	an..35
			A number allocated to a group or item.		
		7143	**Item number type, coded**	C	an..3
			Identification of the type of item number.		
			VN Vendor item number		
			Reference number assigned by a vendor/seller identifying a product/service/article.		

Segment:	**PIA Additional Product Id**
Position:	0300
Group:	Segment Group 9 (Line Item) Conditional (Optional)
Level:	2
Usage:	Conditional (Optional)
Max Use:	10
Purpose:	A segment to allow the transmission of additional product identification.
Dependency Notes:	
Semantic Notes:	
Comments:	

Data Element Summary

User Attribute	Data Element	Component Element	Name	Attributes Req	Des/Repr
M	4347		**PRODUCT ID. FUNCTION QUALIFIER**	M	an..3
			Indication of the function of the product code.		
		1	Additional identification		
			Information which specifies and qualifies product identifications.		
M	C212		**ITEM NUMBER IDENTIFICATION**	M	
			Goods identification for a specified source.		
		7140	**Item number**	C	an..35
			A number allocated to a group or item.		
		7143	**Item number type, coded**	C	an..3
			Identification of the type of item number.		
		EN	International Article Numbering Association (EAN)		
			Number assigned to a manufacturer's product according to the International Article Numbering Association.		
			GS1 ID for product		
	C212		**ITEM NUMBER IDENTIFICATION**	C	
			Goods identification for a specified source.		
		7140	**Item number**	C	an..35
			A number allocated to a group or item.		
		7143	**Item number type, coded**	C	an..3
			Identification of the type of item number.		
		SK	SKU (Stock keeping unit)		
			Reference number of a stock keeping unit.		
			Merchant SKU.		
	C212		**ITEM NUMBER IDENTIFICATION**	C	
			Goods identification for a specified source.		
		7140	**Item number**	C	an..35
			A number allocated to a group or item.		
		7143	**Item number type, coded**	C	an..3
			Identification of the type of item number.		
		MF	Manufacturer's (producer's) article number		
			The number given to an article by its manufacturer.		
	C212		**ITEM NUMBER IDENTIFICATION**	C	
			Goods identification for a specified source.		
		7140	**Item number**	C	an..35
			A number allocated to a group or item.		
		7143	**Item number type, coded**	C	an..3
			Identification of the type of item number.		

UP   UPC (Universal product code)
         Number assigned to a manufacturer's product by the
         Product Code Council.

Segment:	**DTM Date/Time/Period**
Position:	0350
Group:	Segment Group 9 (Line Item) Conditional (Optional)
Level:	2
Usage:	Conditional (Optional)
Max Use:	5
Purpose:	Date/time/period as applied to the line item.

Dependency Notes:	
Semantic Notes:	
Comments:	
Notes:	All dates/times must be sent in GMT and "GMT" should be used as the timezone code in the DTM01:02.

Data Element Summary

User Attribute	Data Element	Component Element	Name	Attributes Req	Des/Repr
M	C507		**DATE/TIME/PERIOD**	**M**	
			Date and/or time, or period relevant to the specified date/time/period type.		
M		2005	**Date/time/period qualifier**	**M**	**an..3**
			Code giving specific meaning to a date, time or period.		
			36 Expiry date		
			Date of expiry of the validity of a referenced document, price information or any other referenced data element with a limited validity period.		
			Date after which replenishment purchasing for this product will end (i.e. discontinue date). Available stock can continue to be sold after this date but no additional stock will be made available.		
			163 Processing start date/time		
			Date/Time when a specific process starts.		
			Date on which orders for this product will begin to be accepted		
		2380	**Date/time/period**	**C**	**an..35**
			The value of a date, a date and time, a time or of a period in a specified representation.		
		2379	**Date/time/period format qualifier**	**C**	**an..3**
			Specification of the representation of a date, a date and time or of a period.		
			304 CCYYMMDDHHMMSSZZZ		
			See 204 plus Z=Time zone.		

Group:		**QTY Segment Group 11: Quantity**					
Position:		0390					
Group:		Segment Group 9 (Line Item)	Conditional (Optional)				
Level:		2					
Usage:		Conditional (Optional)					
Max Use:		9999					
Purpose:		A group of segments providing quantity, and optionally package details, line item currencies and references.					
Notes:		A QTY group should be reported for each warehouse location that contributes to the aggregate totals for a SKU. Identify the warehouse in the LOC segment.					

<div align="center">

Segment Summary

</div>

User Attribute	Pos. No.	Seg. ID	Name	Req. Des.	Max. Use	Group: Repeat
M	0400	QTY	Quantity	M	1	
	0430	LOC	Place/Location Identification	C	5	
	0530		Segment Group 14: Reference	C		10

Segment:	**QTY Quantity**	
Position:	0400 (Trigger Segment)	
Group:	Segment Group 11 (Quantity)	Conditional (Optional)
Level:	2	
Usage:	Mandatory	
Max Use:	1	
Purpose:	A segment to provide quantity information, suitably qualified for the product referred to by the LIN segment, e.g., opening quantity, closing quantity, etc.	
Dependency Notes:		
Semantic Notes:		
Comments:		
Notes:	Each instance of the QTY group reports the inventory level at a given warehouse (identified in the LOC segment) for the SKU identified in the LIN segment. The status (i.e. QTY01-01) and cannot vary across warehouses - it must be the same for all instances of the QTY group for a given SKU.	

Data Element Summary

User Attribute	Data Element	Component Element	Name	Attributes Req	Des/Repr
M	C186		**QUANTITY DETAILS**	M	
			Quantity information in a transaction, qualified when relevant.		
M		6063	**Quantity qualifier**	M	an..3
			Code giving specific meaning to a quantity.		
			The Quantity qualifier cannot vary across warehouses for a given SKU. It must be the same for all QTY group instances. If the Quantity qualifier does vary from one group instance to the next for a given SKU, only the value in the first QTY group will be recognized and will apply for all subsequent QTY group instances.		
		17	Quantity on hand		
			Quantity available for sale for an actively replenished product. Must be the same in all instances of the QTY group for a given SKU.		
		163	Pre-production quantity		
			Quantity of the referenced item required prior to full production.		
			Product is available for pre-order. Must be the same in all instances of the QTY group for a given SKU.		
M		6060	**Quantity**	M	n..15
			Numeric value of a quantity.		

Rithum

Segment:	LOC Place/Location Identification	
Position:	0430	
Group:	Segment Group 11 (Quantity)	Conditional (Optional)
Level:	3	
Usage:	Conditional (Optional)	
Max Use:	5	
Purpose:	A segment indicating details regarding specific place or location of the quantity referred to in QTY.	
Dependency Notes:		
Semantic Notes:		
Comments:		
Notes:	Use to identify the warehouse.	

Data Element Summary

User Attribute	Data Element	Component Element	Name	Attributes Req	Des/Repr
M	3227		**PLACE/LOCATION QUALIFIER**	M	an..3
			Code identifying the function of a location.		
		18	Warehouse (3156) Warehouse where a particular consignment has been stored.		
	C517		**LOCATION IDENTIFICATION**	C	
			Identification of a location by code or name.		
		3225	**Place/location identification**	C	an..25
			Identification of the name of place/location, other than 3164 City name.		

Group:	**RFF Segment Group 14: Reference**
Position:	0530
Group:	Segment Group 11 (Quantity) Conditional (Optional)
Level:	3
Usage:	Conditional (Optional)
Max Use	10
Purpose:	A group of segments giving references only relating to the specified quantity.
Notes:	Report the quantity that is scheduled for replenishment into a wareouse and the date when the stock is scheduled to be received.

Segment Summary

User Attribute	Pos. No.	Seg. ID	Name	Req. Des.	Max. Use	Group: Repeat
M	0540	RFF	Reference	M	1	
	0550	DTM	Date/Time/Period	C	1	

Segment:	**RFF Reference**	
Position:	0540 (Trigger Segment)	
Group:	Segment Group 14 (Reference)	Conditional (Optional)
Level:	3	
Usage:	Mandatory	
Max Use:	1	
Purpose:	A segment for referencing documents and other numbers pertinent to the quantity.	
Dependency Notes:		
Semantic Notes:		
Comments:		

Data Element Summary

User Attribute	Data Element	Component Element	Name	Attributes Req	Des/Repr
M	C506		**REFERENCE**	M	
			Identification of a reference.		
M		1153	**Reference qualifier**	M	an..3
			Code giving specific meaning to a reference segment or a reference number.		
			ZZZ Mutually defined reference number		
			Number based on party agreement.		
			Qualifier "ZZZ" is being used to transmit the quantity that is expected to be received in the next re-stock shipment scheduled for the date specified in following DTM segment (next available quantity).		
		1154	**Reference number**	C	an..35
			Identification number the nature and function of which can be qualified by an entry in data element 1153 Reference qualifier.		

Segment:	**DTM Date/Time/Period**
Position:	0550
Group:	Segment Group 14 (Reference) Conditional (Optional)
Level:	4
Usage:	Conditional (Optional)
Max Use:	1
Purpose:	Date/time/period as applied to the referred document.

Dependency Notes:	
Semantic Notes:	
Comments:	
Notes:	All dates/times must be sent in GMT and "GMT" should be used as the timezone code in the DTM01:02.

Data Element Summary

User Attribute	Data Element	Component Element	Name	Attributes Req	Des/Repr
M	C507		**DATE/TIME/PERIOD**	M	
			Date and/or time, or period relevant to the specified date/time/period type.		
M		2005	**Date/time/period qualifier**	M	an..3
			Code giving specific meaning to a date, time or period.		
			291 Start date/time, planned		
			Date that replenishment shipment is expected to arrive (next available date).		
		2380	**Date/time/period**	C	an..35
			The value of a date, a date and time, a time or of a period in a specified representation.		
		2379	**Date/time/period format qualifier**	C	an..3
			Specification of the representation of a date, a date and time or of a period.		
			304 CCYYMMDDHHMMSSZZZ		
			See 204 plus Z=Time zone.		

Segment:	**UNT Message Trailer**	
Position:	0670	
Group:		
Level:	0	
Usage:	Mandatory	
Max Use:	1	
Purpose:	A service segment ending a message, giving the total number of segments in the message and the control reference number of the message.	
Dependency Notes:		
Semantic Notes:		
Comments:		

Data Element Summary

User Attribute	Data Element	Component Element	Name	Attributes Req	Des/Repr
M	0074		**NUMBER OF SEGMENTS IN A MESSAGE**	M	n..6
			Control count of number of segments in a message.		
M	0062		**MESSAGE REFERENCE NUMBER**	M	an..14
			Unique message reference assigned by the sender.		