



# 3M EDI EDIFACT D96A ORDRSP Purchase Order Acknowledgement

## Introduction

The purpose of this document is to explain the requirements for a customer wanting to send electronic purchase orders and PO Acknowledgement documents to/from 3M. The 3M EDI ORDRSP works only on this standard guide/map thus 3M will not accommodate any customer specific requirements. If a customer signs up to transmission of EDI ORDERS they must agree to send/receive the suite of EDI procure to pay transactions (ORDERS, ORDRSP, ORDCHG, DESADV and INVOIC). This guide pertains specifically to the EDI ORDRSP.

The EDIFACT version presented in this guideline is D96A.

## Key Points

3M will send a LIN segment with acknowledgement status for each line on customer purchase order. 3M will use the ORDRSP transactions to send 3M initiated changes to the customer's order. For instance, if 3M needs to change the delivery date from the originally agreed upon delivery date, 3M will communicate that change with an EDI ORDRSP.

If a customer sends changes to a purchase order, they should do so via 3M EDI ORDCHG. 3M will respond to customer EDI ORDCHG (order change) with an EDI ORDRSP (PO Order Response). Any subsequent 3M initiated changes will be communicated via EDI ORDRSP. Customer should not increment their PO Version Number when applying 3M initiated changes via ORDRSP AND should NOT send 3M a corresponding ORDCHG.

3M will send Product/Service ID to the PO using the following qualifiers.

- BP Buyer Part Number
- EN International Article Numbering Association (EAN)
- SA Supplier Article Number
- UP U.P.C. Consumer Package Code (1-5-5-1)
- VP Vendor's (Seller's) Part Number

3M will acknowledge each PO line with a LIN segment leveraging the following LIN02 qualifiers:

- |   |                             |
|---|-----------------------------|
| 7 | Not Accepted                |
| 5 | Accepted without amendment. |
| 6 | Accepted with amendment     |



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## PO Acknowledgment Structure

- 3M will provide a LIN segment for each line on customer purchase order.

# ORDRSP Purchase Order Response Message

## Introduction:

A message from the seller to the buyer, responding to a purchase order message or a purchase order change request message.

## Heading Section:

	<u>Pos. No.</u>	<u>Seg. ID</u>	<u>Name</u>	<u>Req. Des.</u>	<u>Max.Use</u>	<u>Group Repeat</u>	<u>Notes and Comments</u>
M	0010	UNH	Message Header	M	1		
M	0020	BGM	Beginning of Message	M	1		
M	0030	DTM	Dat/time/period	M	35		
	0080		Segment Group 1: RFF	C		10	
M	0090	RFF	Reference	M	1		
	0140		Segment Group 3: NAD	C		99	
M	0150	NAD	Name and Address	M	1		
	0240		Segment Group 6: CTA-COM	C		5	
	0250	CTA	Contact Information	M	1		
	0260	COM	Communication Contact	C	5		
	0310		Segment Group 8: Currencies	M		5	
M	0320	CUX	Currencies	C	1		

## Detail Section:

	<u>Pos. No.</u>	<u>Seg. ID</u>	<u>Name</u>	<u>Req. Des.</u>	<u>Max.Use</u>	<u>Group Repeat</u>	<u>Notes and Comments</u>
	0960		Segment Group 26: LIN-PIA-IMD-QTY-SG51	C		200000	
M	0970	LIN	Line Item	M	1		
	0980	PIA	Additional Product Id	C	25		
	0990	IMD	Item Description	C	99		
	1010	QTY	Quantity	C	10		
	1040	DTM	Date/time/period	C	35		
	1240		Segment Group 30: PRI	C		25	
M	1250	PRI	Price Details	M	1		

## Section Control:

	<u>Pos. No.</u>	<u>Seg. ID</u>	<u>Name</u>	<u>Req. Des.</u>	<u>Max.Use</u>	<u>Group Repeat</u>	<u>Notes and Comments</u>
M	2150	UNS	Section Control	M	1		

## Summary Section:

	<u>Pos. No.</u>	<u>Seg. ID</u>	<u>Name</u>	<u>Req. Des.</u>	<u>Max.Use</u>	<u>Group Repeat</u>	<u>Notes and Comments</u>
	2170	CNT	Control Total	C	10		
M	2220	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 Purchase order response message is ORDRSP.  
Note: Purchase order response messages conforming to this document must contain the following data in segment UNH, composite **S009**:  
Data element **0065** ORDRSP **0052** D **0054** 96A **0051** UN

**Dependency Notes:**

**Semantic Notes:**

**Comments:**

**Business Rules:** Variable Name: UNH1

**Data Element Summary**

	<u>Data Element</u>	<u>Component Element</u>	<u>Name</u>	<u>Attributes</u>
M	0062		<b>MESSAGE REFERENCE NUMBER</b> Unique message reference assigned by the sender.	M an..14
M	S009		<b>MESSAGE IDENTIFIER</b> Identification of the type, version etc. of the message being interchanged.	M
M		0065	<b>Message type identifier</b> Code identifying a type of message and assigned by its controlling agency. Refer to D.96A Data Element Dictionary for acceptable code values.	M an..6
M		0052	<b>Message type version number</b> Version number of a message type.	M an..3
M		0054	<b>Message type release number</b> Release number within the current message type version number (0052).	M an..3
M		0051	<b>Controlling agency</b> Code identifying the agency controlling the specification, maintenance and publication of the message type. Refer to D.96A Data Element Dictionary for acceptable code values.	M an..2
		0057	<b>Association assigned code</b> Code, assigned by the association responsible for the design and maintenance of the message type concerned, which further identifies the message.	C an..6
	0068		<b>COMMON ACCESS REFERENCE</b> Reference serving as a key to relate all subsequent transfers of data to the same business case or file.	C an..35
	S010		<b>STATUS OF THE TRANSFER</b> Statement that the message is one in a sequence of transfers relating to the same topic.	C



<b>M</b>	<b>0070</b>	<b>Sequence message transfer number</b>	<b>M</b>	<b>n..2</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.		
	<b>0073</b>	<b>First/last sequence message transfer indication</b>	<b>C</b>	<b>a1</b>
		Indication used for the first and last message in a sequence of the same type of message relating to the same topic. Refer to D.96A Data Element Dictionary for acceptable code values.		



**Segment:** **BGM** Beginning of Message  
**Position:** 0020  
**Group:**  
**Level:** 0  
**Usage:** Mandatory  
**Max Use:** 1  
**Purpose:** A segment by which the sender must uniquely identify the order response by means of its number and when necessary its function.

**Dependency Notes:**

**Semantic Notes:**

**Comments:**

**Notes:** BGM+231+GA14018824+29'  
BGM+231+GA14018824+34'

**Data Element Summary**

<u>Data</u>	<u>Component</u>		
<u>Element</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
C002		<b>DOCUMENT/MESSAGE NAME</b>	<b>C</b>
		Identification of a type of document/message by code or name. Code preferred.	
	1001	<b>Document/message name, coded</b>	<b>C an..3</b>
		Document/message identifier expressed in code.	
	230	Purchase order change request.	
		Change to a purchase order already sent.	
	231	Purchase order response.	
		Response to a purchase order already received.	
1004		<b>DOCUMENT/MESSAGE NUMBER</b>	<b>C an..35</b>
		Reference number assigned to the document/message by the issuer.	
1225		<b>MESSAGE FUNCTION, CODED</b>	<b>C an..3</b>
		Code indicating the function of the message.	
	27	Not Accepted	
	29	Accepted without amendment	
	34	Accepted with amendment	

Segment:	<b>DTM</b> Date/Time/Period
Position:	0030
Group:	
Level:	1
Usage:	Mandatory
Max Use:	35
Purpose:	To specify date and/or time or period.
Dependency Notes:	
Semantic Notes:	
Comments:	
Notes:	DTM+137:20140908:102'

Data Element Summary				
	Data Element	Component Element	Name	Attributes
M	C507		<b>DATE/TIME/PERIOD</b> Date and/or time, or period relevant to the specified date/time/period type.	<b>M</b>
M		2005	<b>Date/time/period qualifier</b> Code giving specific meaning to a date, time or period. 137 Document/Message date/time	<b>M an..3</b>
		2380	<b>Date/time/period</b> The value of a date, a date and time, a time or of a period in a specified representation.	<b>C an..35</b>
		2379	<b>Date/time/period format qualifier</b> Specification of the representation of a date, a date and time or of a period. 102 CCYYMMDD Calendar date: C = Century; Y = Year; M = Month; D = Day.	<b>C an..3</b>

Group:

Position:

Group:

Level:

Usage:

Max Use:

Purpose:

**RFF**

Segment Group 1: Reference

0080

1

Conditional (Optional)

10

A group of segments for giving references and where necessary, their dates, relating to the whole message, e.g. contract number, import/export licence number, reservation number.

Segment Summary						
	<u>Pos.</u> <u>No.</u>	<u>Seg.</u> <u>ID</u>	<u>Name</u>	<u>Req.</u> <u>Des.</u>	<u>Max.</u> <u>Use</u>	<u>Group:</u> <u>Repeat</u>
M	0090	RFF	Reference	M	1	





**Segment:** **RFF** Reference  
**Position:** 0090 (Trigger Segment)  
**Group:** Segment Group 1 (Reference) Conditional (Optional)  
**Level:** 1  
**Usage:** Mandatory  
**Max Use:** 1  
**Purpose:** A segment identifying the reference by its number and where appropriate a line number within a document.

**Dependency Notes:**

**Semantic Notes:**

**Comments:**

**Notes:** RFF+ON:0600297231'  
RFF+VN:GA14018824'

**Data Element Summary**

Data Element Summary			
	Data Element	Component Element	Attributes
M	C506	<b>REFERENCE</b> Identification of a reference.	M
M		<b>1153 Reference qualifier</b> Code giving specific meaning to a reference segment or a reference number. CO Buyer Order Number CR Customer Reference Number CT Contract Number DP Department Number IA Internal Vendor Number ON Order number PD Promotion Deal Number PR Price Quote Number PW Prior Purchase Order Number VN Order number (vendor) BC Buyer Contract Number DI Distributor Invoice Number SD Sales Department Number VR Vendor ID Number IT Internal Customer Number VA VAT Registration Number VN Vendor Order Number	M an..3
		<b>1154 Reference number</b> Identification number the nature and function of which can be qualified by an entry in data element 1153 Reference qualifier.	C an..35

Group:

Position:

Group:

Level:

Usage:

Max Use:

Purpose:

**NAD**

0140

1

Conditional (Optional)

99

A group of segments identifying the parties with associated information.

Segment Group 3: Name and Address

Segment Summary						
	<u>Pos.</u> <u>No.</u>	<u>Seg.</u> <u>ID</u>	<u>Name</u>	<u>Req.</u> <u>Des.</u>	<u>Max.</u> <u>Use</u>	<u>Group:</u> <u>Repeat</u>
M	0150	NAD	Name and Address	M	1	



Segment: **NAD** Name and Address

**Position:** 0150 (Trigger Segment)  
**Group:** Segment Group 3 (Name and Address) Conditional (Optional)  
**Level:** 1  
**Usage:** Mandatory  
**Max Use:** 1  
**Purpose:** A segment identifying names and addresses of the parties, in coded or clear form, and their functions relevant to the order response. Identification of the seller and buyer parties is mandatory for the order response message. It is recommended that where possible only the coded form of the party ID should be specified. e.g. The Buyer and Seller are known to each other, thus only the coded ID is required, but the Consignee or Delivery address may vary and would have to be clearly specified, preferably in structured format.

**Dependency Notes:**

**Semantic Notes:**

**Comments:**

**Notes:** NAD+BY+0987654321123::9'

**Data Element Summary**

	<u>Data Element</u>	<u>Component Element</u>	<u>Name</u>	<u>Attributes</u>
M	3035		<b>PARTY QUALIFIER</b>	M an..3
			Code giving specific meaning to a party.	
		BY	Buyer	
		DP	Delivery Party	
		SU	Supplier	
M	3039		<b>PARTY IDENTIFICATION DETAILS</b>	C
			Identification of a transaction party by code.	
			<b>Party id. identification</b>	M an..35
			Code identifying a party involved in a transaction.	
			<b>Code list responsible agency, coded</b>	C an..3
M	3055		Code identifying the agency responsible for a code list.	
		9	9 EAN (International Article Numbering association)	
			<b>NAME AND ADDRESS</b>	C
			Unstructured name and address: one to five lines.	
			<b>Name and address line</b>	M an..35
M	3124		Free form name and address description.	
			<b>Name and address line</b>	C an..35
			Free form name and address description.	
			<b>Name and address line</b>	C an..35
			Free form name and address description.	
M	3124		<b>Name and address line</b>	C an..35
			Free form name and address description.	
			<b>Name and address line</b>	C an..35
			Free form name and address description.	
			<b>Name and address line</b>	C an..35
M	3124		Free form name and address description.	
			<b>Name and address line</b>	C an..35
			Free form name and address description.	
			<b>NAME AND ADDRESS</b>	C
			Identification of a transaction party by name, one to five lines. Party name may be formatted.	



M	3036	<b>Party name</b> Name of a party involved in a transaction.	M	an..35
	3036	<b>Party name</b> Name of a party involved in a transaction.	C	an..35
	3036	<b>Party name</b> Name of a party involved in a transaction.	C	an..35
	3036	<b>Party name</b> Name of a party involved in a transaction.	C	an..35
	3036	<b>Party name</b> Name of a party involved in a transaction.	C	an..35
	3045	<b>Party name format, coded</b> Specification of the representation of a party name.	C	an..3
C059		<b>STREET</b> Street address and/or PO Box number in a structured address: one to three lines.	C	
	3042	<b>Street and number/p.o. box</b> Street and number in plain language, or Post Office Box No.	M	an..35
	3042	<b>Street and number/p.o. box</b> Street and number in plain language, or Post Office Box No.	C	an..35
	3042	<b>Street and number/p.o. box</b> Street and number in plain language, or Post Office Box No.	C	an..35
	3042	<b>Street and number/p.o. box</b> Street and number in plain language, or Post Office Box No.	C	an..35
	3164	<b>CITY NAME</b> Name of a city (a town, a village) for addressing purposes.	C	an..35
M	3229	<b>COUNTRY SUB-ENTITY IDENTIFICATION</b> Identification of the name of sub-entities (state, province) defined by appropriate governmental agencies.	C	an..9
	3251	<b>POSTCODE IDENTIFICATION</b> Code defining postal zones or addresses.	C	an..9
	3207	<b>COUNTRY, CODED</b> Identification of the name of a country or other geographical entity as specified in ISO 3166.	C	an..3

Group:

Position:

Group:

Level:

Usage:

Max Use:

Purpose:

CTA

Segment Group 6: Contact Information

0240

Segment Group 2 (Name and Address)

2

Conditional (Optional)

5

A group of segments giving contact details of the specific person or department within the party identified in the NAD segment.

Segment Summary						
M	Pos.	Seg.	Name	Req.	Max.	Group:
	No.	ID		Des.	Use	Repeat
	0250	CTA	Contact Information	M	1	
	0260	COM	Communication Contact	C	5	



**Segment:** **CTA** **Contact Information**  
**Position:** 0240 (Trigger Segment)  
**Group:** Segment Group 5 (Contact Information) Conditional (Optional)  
**Level:** 2  
**Usage:** Mandatory  
**Max Use:** 1  
**Purpose:** A segment to identify a person or department, and their function, to whom communications should be directed.

**Dependency Notes:**

**Semantic Notes:**

**Comments:**

**Notes:** CTA+PD+G329494+John Doe'

**Data Element Summary**

<u>Data Element</u>	<u>Component Element</u>	<u>Name</u>	<u>Attributes</u>
3139		<b>CONTACT FUNCTION, CODED</b> Code specifying the function of a contact (e.g. department or person). AH Coordination Contact DL Delivery contact IC Information Contact PD Purchasing Contact LB Place of delivery contact SU Supplier Contact OC Order Contact	<b>C an..3</b>
C056		<b>DEPARTMENT OR EMPLOYEE DETAILS</b> Code and/or name of a department or employee. Code preferred.	<b>C</b>
	3413	<b>Department or employee identification</b> Internal identification code.	<b>C an..17</b>
	3412	<b>Department or employee</b> The department or person within an organizational entity.	<b>C an..35</b>



**Segment:** **COM** **Communication Contact**  
**Position:** 0250  
**Group:** Segment Group 5 (Contact Information) Conditional (Optional)  
**Level:** 3  
**Usage:** Conditional (Optional)  
**Max Use:** 5  
**Purpose:** A segment to identify a communications type and number for the contact specified in the CTA segment.

**Dependency Notes:**

**Semantic Notes:**

**Comments:**

**Notes:** COM+John.Doe@johnscompany.com:EM'

**Data Element Summary**

	<b>Data</b>	<b>Component</b>		
	<b>Element</b>	<b>Element</b>	<b>Name</b>	<b>Attributes</b>
M	C076		<b>COMMUNICATION CONTACT</b> Communication number of a department or employee in a specified channel.	M
M		3148	<b>Communication number</b> The communication number.	M an..512
M		3155	<b>Communication channel qualifier</b> Code identifying the type of communication channel being used.	M an..3
		EM	Electronic mail Creating/sending/receiving of unstructured free text messages or documents using computer network, a mini- computer or an attached modem and regular telephone line or other electronic transmission media.	
		FX	Telefax Device used for transmitting and reproducing fixed graphic material (as printing) by means of signals over telephone lines or other electronic transmission media.	
		TE	Telephone Voice/data transmission by telephone.	

Group:

Position:

Group:

Level:

Usage:

Max Use:

Purpose:

CUX

Segment Group 8: Currencies

0310

1

Conditional (Optional)

5

A group of segments specifying the currencies and related dates/periods valid for the whole invoice. Currency data maybe omitted in national applications but will be required for international transactions.

Segment Summary						
	Pos.	Seg.		Req.	Max.	Group:
	<u>No.</u>	<u>ID</u>	<u>Name</u>	<u>Des.</u>	<u>Use</u>	<u>Repeat</u>
M	0320	CUX	Currencies	M	1	



<b>Segment:</b>	<b>CUX</b> Currencies
<b>Position:</b>	0320 (Trigger Segment)
<b>Group:</b>	Segment Group 8 (Currencies) Conditional (Conditional)
<b>Level:</b>	1
<b>Usage:</b>	Mandatory
<b>Max Use:</b>	1
<b>Purpose:</b>	A segment identifying the currencies required in the invoice e.g. the invoice currency. A rate of exchange may be given to convert a reference currency into a target currency.
<b>Dependency Notes:</b>	
<b>Semantic Notes:</b>	
<b>Notes:</b>	<b>CUX+2:EUR:4'</b>

#### Data Element Summary

<u>Data Element</u>	<u>Component Element</u>	<u>Name</u>	<u>Attributes</u>
M	C504	<b>CURRENCY DETAILS</b>	C
		The usage to which a currency relates.	
	6347	<b>Currency details qualifier</b>	M an..3
		Specification of the usage to which the currency relates.	
	2	Reference currency	
	6345	<b>Currency, coded</b>	C an..3
		Identification of the name or symbol of the monetary unit involved in the transaction.	
	6343	<b>Currency qualifier</b>	C an..3
		Code giving specific meaning to data element 6345 Currency.	
	4	Invoicing currency	
		The name or symbol of the monetary unit used for calculation in an invoice.	

Group:

Position:

Group:

Level:

Usage:

Max Use:

Purpose:

**LIN**

Segment Group 26: Line Item

0960

1

Conditional (Optional)

200000

A group of segments providing details of the individual ordered items. This Segment group may be repeated to give sub-line details.

Segment Summary						
	Pos.	Seg.		Req.	Max.	Group:
	No.	ID	Name	Des.	Use	Repeat
M	0970	LIN	Line Item	M	1	
	0980	PIA	Additional Product Id	C	25	
	0990	IMD	Item Description	C	99	
	1010	QTY	Quantity	C	10	
	1240		Segment Group 30: Price Details	C		25



**Segment:** **LIN** Line Item  
**Position:** 0970 (Trigger Segment)  
**Group:** Segment Group 26 (Line Item) Conditional (Optional)  
**Level:** 1  
**Usage:** Mandatory  
**Max Use:** 1  
**Purpose:** A segment identifying the line item by the line number and configuration level, and additionally, identifying the product or service ordered. Other product identification numbers, e.g. Buyer product number, etc., can be specified within the following PIA segment.

**Dependency Notes:**

**Semantic Notes:**

**Comments:**

**Notes:** LIN+1+5+1000002820:BP::92'  
 LIN+1+6+1000002820:BP::92'

**Data Element Summary**

<u>Data Element</u>	<u>Component Element</u>	<u>Name</u>	<u>Attributes</u>
1082		<b>LINE ITEM NUMBER</b> Serial number designating each separate item within a series of articles.	<b>C</b> n..6
1229		<b>ACTION REQUEST/NOTIFICATION, CODED</b> Code specifying the action to be taken or already taken. 7 Not accepted 5 Accepted without amendment 6 Accepted with amendment	<b>C</b> an..3
C212		<b>ITEM NUMBER IDENTIFICATION</b> Goods identification for a specified source.	<b>C</b>
	7140	<b>Item number</b> A number allocated to a group or item.	<b>C</b> an..35
	7143	<b>Item number type, coded</b> Identification of the type of item number. AM UPC (Universal Product Code)/EAN (European article number) Shipping container code (1-2-5-5-1) BP Buyer's part number Reference number assigned by the buyer to identify an article. EN International Article Numbering Association (EAN) Number assigned to a manufacturer's product according to the International Article Numbering Association. SA Supplier article number UP UPC (Universal product code) VP Vendor's (seller's) part number Reference number assigned by a vendor/seller identifying a product/service/article. 3M Material Number	<b>C</b> an..3
	3055	<b>Code list responsible agency, coded</b> Code identifying the agency responsible for a code list. 91 Assigned by seller or seller's agent 92 Assigned by buyer or buyer's agent	<b>C</b> an..3



**Segment:** **PIA** Additional Product Id  
**Position:** 0980  
**Group:** Segment Group 26 (Line Item) Conditional (Optional)  
**Level:** 2  
**Usage:** Conditional (Optional)  
**Max Use:** 25  
**Purpose:** A segment providing either additional identification to the product specified in the LIN segment (e.g. Harmonized System number), or provides any substitute product identification.

**Notes:** PIA+1+DE620004759:SA::91'  
PIA+1+4001895792694:EN::91  
PIA+1+1015172660:BP::92'  
PIA+1+620004759:VP::91'

#### Data Element Summary

	Data Element	Component Element	Name	Attributes
M	4347		<b>PRODUCT ID. FUNCTION QUALIFIER</b> Indication of the function of the product code. 1 Additional identification Information which specifies and qualifies product identifications.	M an..3
M	C212		<b>ITEM NUMBER IDENTIFICATION</b> Goods identification for a specified source.	M
		7140	<b>Item number</b> A number allocated to a group or item.	C an..35
		7143	<b>Item number type, coded</b> Identification of the type of item number.	C an..3
		AM	UPC (Universal Product Code)/EAN (European article number) Shipping container code (1-2-5-5-1)	
		BP	Buyer's part number Reference number assigned by the buyer to identify an article.	
		EN	International Article Numbering Association (EAN) Number assigned to a manufacturer's product according to the International Article Numbering Association.	
		UP	UPC (Universal product code) Number assigned to a manufacturer's product by the Product Code Council.	
			Catalog Number	
		SA	Supplier article number	
		VP	Vendor (seller's) part number Reference number assigned by a vendor/seller identifying a product/service/article.	
			3M Material Number	
		3055	<b>Code list responsible agency, coded</b> Code identifying the agency responsible for a code list.	C an..3
		91	Assigned by seller or seller's agent	
		92	Assigned by buyer or buyer's agent	

<b>Segment:</b>	<b>IMD</b> Item Description		
<b>Position:</b>	0990		
<b>Group:</b>	Segment Group 26 (Line Item)	Conditional (Optional)	
<b>Level:</b>	2		
<b>Usage:</b>	Conditional (Optional)		
<b>Max Use:</b>	99		
<b>Purpose:</b>	A segment for describing the product or service being ordered as well as product characteristics. This segment should be used for products or services that cannot be fully identified by a product code or article number.		
<b>Dependency Notes:</b>			
<b>Semantic Notes:</b>			
<b>Comments:</b>			
<b>Notes:</b>	IMD+F++::J82002B SCOTCHCAST PREMIUM BLAU5CMX:3,6M 10 STK/PKG'		

Data Element Summary			
Data Element	Component Element	Name	Attributes
X	7077	ITEM DESCRIPTION TYPE, CODED	C an..3
		Code indicating the format of a description.	
		F Free-form	
	C273	ITEM DESCRIPTION	C
		Description of an item.	
	7009	Item description identification	C an..17
	7008	Item description	C an..35
		Plain language description of articles or products.	
	7008	Item description	C an..35
		Plain language description of articles or products.	



**Segment:** **QTY** Quantity  
**Position:** 1010  
**Group:** Segment Group 26 (Line Item) Conditional (Optional)  
**Level:** 2  
**Usage:** Conditional (Optional)  
**Max Use:** 10  
**Purpose:** A segment identifying the product quantities e.g. ordered quantity.

**Dependency Notes:**

**Semantic Notes:**

**Comments:**

**Notes:** QTY+21:2:PCE'

#### Data Element Summary

	Data	Component	Name	Attributes
	Element	Element		
M	C186		<b>QUANTITY DETAILS</b> Quantity information in a transaction, qualified when relevant.	M
M		6063	<b>Quantity qualifier</b> Code giving specific meaning to a quantity. 21 Ordered quantity 113 Qty to be delivered 182 Cancelled quantity	M an..3
M		6060	<b>Quantity</b> Numeric value of a quantity. Original Order Quantity	M n..15
		6411	<b>Measure unit qualifier</b> Indication of the unit of measurement in which weight (mass), capacity, length, area, volume or other quantity is expressed. <b>Note:</b> All valid D96A codes are used	C an..3

<b>Segment:</b>	<b>DTM</b> Date/Time/Period		
<b>Position:</b>	1040		
<b>Group:</b>	Segment Group 26 (Line Item)	Conditional (Optional)	
<b>Level:</b>	2		
<b>Usage:</b>	Mandatory		
<b>Max Use:</b>	C		
<b>Purpose:</b>	To specify date and/or time or period.		
<b>Dependency Notes:</b>			
<b>Semantic Notes:</b>			
<b>Comments:</b>			
<b>Notes:</b>	DTM+76:20140908:102'		

Data Element Summary				
	Data Element	Component Element	Name	Attributes
M	C507		<b>DATE/TIME/PERIOD</b> Date and/or time, or period relevant to the specified date/time/period type.	<b>M</b>
M		2005	<b>Date/time/period qualifier</b> Code giving specific meaning to a date, time or period. 76 Delivery date/time, scheduled for	<b>M an..3</b>
		2380	<b>Date/time/period</b> The value of a date, a date and time, a time or of a period in a specified representation.	<b>C an..35</b>
		2379	<b>Date/time/period format qualifier</b> Specification of the representation of a date, a date and time or of a period. 102 CCYYMMDD Calendar date: C = Century; Y = Year; M = Month; D = Day.	<b>C an..3</b>

Group:

Position:

Group:

Level:

Usage:

Max Use:

Purpose:

PRI

Segment Group 30: Price Details

1240

Segment Group 25 (Line Item)      Conditional (Optional)

2

Conditional (Optional)

25

A group of segments identifying the relevant pricing information for the goods or services ordered.

Segment Summary						
	Pos.	Seg.		Req.	Max.	Group:
	No.	ID	Name	Des.	Use	Repeat
M	1250	PRI	Price Details	M	1	



Segment:	<b>PRI</b> Price Details		
Position:	1250 (Trigger Segment)		
Group:	Segment Group 28 (Price Details)	Conditional (Optional)	
Level:	2		
Usage:	Mandatory		
Max Use:	1		
Purpose:	A segment to specify the price type and amount. The price used in the calculation of the line amount will be identified as 'price'.		
Dependency Notes:			
Semantic Notes:			
Comments:			
Notes:	PRI+AAA:51.25'		

Data Element Summary			
	Data Element	Component Element	
	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
M	C509	PRICE INFORMATION	C
		Identification of price type, price and related details.	
		5125 Price qualifier	M an..3
		Identification of a type of price.	
		AAA	Calculation net
		AAB	Calculation gross
	5118	Price	C n..15
The monetary value associated with a purchase or sale of an article, product or service.			

Segment:

Position:

Group:

Level:

Usage:

Max Use:

Purpose:

**UNS**

Section Control

2150

0

Mandatory

1

A service segment placed at the start of the summary section to avoid segment collision.

Dependency Notes:

Semantic Notes:

Comments:

Data Element Summary				
	Data Element	Component Element	Name	Attributes
M	0081		SECTION IDENTIFIER	M a1
			A character identifying the next section in a message.	
		S	Detail/summary section separation	
			To qualify the segment UNS, when separating the detail from the summary section of a message.	

Segment:

Position:

Group:

Level:

Usage:

Max Use:

Purpose:

**CNT**

Control Total

2170

1

Conditional (Optional)

10

A segment by which control totals may be provided by the sender for checking by the receiver.

Dependency Notes:

Semantic Notes:

Comments:

Data Element Summary				
	Data	Component	Name	Attributes
	Element	Element		
M	C270		CONTROL	M
			Control total for checking integrity of a message or part of a message.	
M		6069	Control qualifier	M an..3
			Determines the source data elements in the message which forms the basis for 6066 Control value.	
		2	Number of line items in message	
M		6066	Control value	M n..18
			Value obtained from summing the values specified by the Control Qualifier throughout the message (Hash total).	

Segment:

Position:

Group:

Level:

Usage:

Max Use:

Purpose:

**UNT**

Message Trailer

2220

0

Mandatory

1

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



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**Sample 3M ORDRSP Message:**

UNH+MMM00001+ORDRSP:D:96A:UN:EAN009'  
BGM+231+GA14018824+29'  
DTM+137:20140908:102'  
RFF+ON:0600297231'  
RFF+VN:GA14018824'  
NAD+BY+0987654321123::9'  
NAD+ST+6758493098765::9'  
CTA+PD+BuyerEmployee1234:JOHN DAVID'  
COM+Buyer@email.com:EM'  
CUX+2:EUR:4'  
LIN+1+5+1000002820:BP::92'  
LIN+1+6+054007061304:EN::91'  
PIA+1+DE620004759:SA::91'  
IMD+F++::J82002B SCOTCHCAST PREMIUM BLAU5CMX:3,6M 10 STK/PKG'  
QTY+21:2:PCE'  
PRI+AAA:550:CT:AAA'  
QTY+113:2:PCE'  
DTM+67:20140908:102'  
LIN+3+7+3312345501096:BP  
UNS+S'  
CNT+2:3'  
UNT+21+MMM00001'