

# DELFOR Delivery Schedule Message

## Introduction:

A message from buyer to supplier giving product requirements regarding details for short term delivery instructions and/or medium to long term product/service forecast for planning purposes according to conditions set out in a contract or order. The message can be used to authorize the commitment of labour and materials resources.

## 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	Date/Time/Period	M	10		
	0040		Segment Group 1: RFF-DTM	C		10	
M	0050	RFF	Reference	M	1		
Not Used	0060	DTM	Date/Time/Period	C	1		
	0070		Segment Group 2: NAD-LOC-SG3	C		20	
M	0080	NAD	Name and Address	M	1		
Not Used	0090	LOC	Place/Location Identification	C	10		
	0100		Segment Group 3: CTA-COM	C		5	
M	0110	CTA	Contact Information	M	1		
	0120	COM	Communication Contact	C	5		

## 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	0130	UNS	Section Control	M	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>
Not Used	0140		Segment Group 4: NAD-LOC-FTX-SG5-SG6-SG7-SG8	C		500	
Not Used	0150	NAD	Name and Address	M	1		
Not Used	0160	LOC	Place/Location Identification	C	10		
Not Used	0170	FTX	Free Text	C	5		
Not Used	0180		Segment Group 5: DOC-DTM	C		10	
Not Used	0190	DOC	Document/Message Details	M	1		
Not Used	0200	DTM	Date/Time/Period	C	10		
Not Used	0210		Segment Group 6: CTA-COM	C		5	
Not Used	0220	CTA	Contact Information	M	1		
Not Used	0230	COM	Communication Contact	C	5		
Not Used	0240		Segment Group 7: TDT-DTM	C		10	
Not Used	0250	TDT	Details of Transport	M	1		
Not Used	0260	DTM	Date/Time/Period	C	5		
Not Used	0270		Segment Group 8: LIN-PIA-IMD-MEA-ALI-GIN-GIR-LOC-DT M-FTX-SG9-SG10-SG11-SG12-SG14	C		9999	
Not Used	0280	LIN	Line Item	M	1		

Not Used	0290	PIA	Additional Product Id	C	10
Not Used	0300	IMD	Item Description	C	10
Not Used	0310	MEA	Measurements	C	5
Not Used	0320	ALI	Additional Information	C	5
Not Used	0330	GIN	Goods Identity Number	C	100
Not Used	0340	GIR	Related Identification Numbers	C	100
Not Used	0350	LOC	Place/Location Identification	C	100
Not Used	0360	DTM	Date/Time/Period	C	5
Not Used	0370	FTX	Free Text	C	5
Not Used	0380		Segment Group 9: CTA-COM	C	5
Not Used	0390	CTA	Contact Information	M	1
Not Used	0400	COM	Communication Contact	C	5
Not Used	0410		Segment Group 10: RFF-DTM	C	10
Not Used	0420	RFF	Reference	M	1
Not Used	0430	DTM	Date/Time/Period	C	1
Not Used	0440		Segment Group 11: TDT-DTM	C	10
Not Used	0450	TDT	Details of Transport	M	1
Not Used	0460	DTM	Date/Time/Period	C	5
Not Used	0470		Segment Group 12: QTY-SCC-DTM-SG13	C	200
Not Used	0480	QTY	Quantity	M	1
Not Used	0490	SCC	Scheduling Conditions	C	1
Not Used	0500	DTM	Date/Time/Period	C	2
Not Used	0510		Segment Group 13: RFF-DTM	C	10
Not Used	0520	RFF	Reference	M	1
Not Used	0530	DTM	Date/Time/Period	C	1
Not Used	0540		Segment Group 14: PAC-MEA-QTY-DTM-SG15-SG16	C	50
Not Used	0550	PAC	Package	M	1
Not Used	0560	MEA	Measurements	C	10
Not Used	0570	QTY	Quantity	C	5
Not Used	0580	DTM	Date/Time/Period	C	5
Not Used	0590		Segment Group 15: PCI-GIN	C	10
Not Used	0600	PCI	Package Identification	M	1
Not Used	0610	GIN	Goods Identity Number	C	10
Not Used	0620		Segment Group 16: QVR-DTM-SG17	C	10
Not Used	0630	QVR	Quantity Variances	M	1
Not Used	0640	DTM	Date/Time/Period	C	5
Not Used	0650		Segment Group 17: RFF-DTM	C	10
Not Used	0660	RFF	Reference	M	1
Not Used	0670	DTM	Date/Time/Period	C	1
	0680		Segment Group 18: LIN-PIA-IMD-MEA-ALI-GIN-GIR-DTM-FT X-SG19-SG20-SG22-SG24	C	9999
M	0690	LIN	Line Item	M	1
	0700	PIA	Additional Product Id	C	10
Not Used	0710	IMD	Item Description	C	10
Not Used	0720	MEA	Measurements	C	5
Not Used	0730	ALI	Additional Information	C	5
Not Used	0740	GIN	Goods Identity Number	C	100
Not Used	0750	GIR	Related Identification Numbers	C	100



Not Used	1020	DTM	Date/Time/Period	C	1
Not Used	1030		Segment Group 26: CTA-COM	C	5
Not Used	1040	CTA	Contact Information	M	1
Not Used	1050	COM	Communication Contact	C	5
Not Used	1060		Segment Group 27: QTY-SCC-DTM-SG28	C	50
Not Used	1070	QTY	Quantity	M	1
Not Used	1080	SCC	Scheduling Conditions	C	1
Not Used	1090	DTM	Date/Time/Period	C	2
Not Used	1100		Segment Group 28: RFF-DTM	C	10
Not Used	1110	RFF	Reference	M	1
Not Used	1120	DTM	Date/Time/Period	C	1
Not Used	1130		Segment Group 29: QVR-DTM-SG30	C	10
Not Used	1140	QVR	Quantity Variances	M	1
Not Used	1150	DTM	Date/Time/Period	C	5
Not Used	1160		Segment Group 30: RFF-DTM	C	10
Not Used	1170	RFF	Reference	M	1
Not Used	1180	DTM	Date/Time/Period	C	1
Not Used	1190		Segment Group 31: TDT-DTM	C	10
Not Used	1200	TDT	Details of Transport	M	1
Not Used	1210	DTM	Date/Time/Period	C	5

### 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	1220	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>
	1230	CNT	Control Total	C	5		
	1240	FTX	Free Text	C	5		
M	1250	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 Delivery schedule message is DELFOR.  
Note: Delivery schedule messages conforming to this document must contain the following data in segment UNH, composite S009:  
Data element 0065 DELFOR 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. DELFOR Delivery schedule message Message from buyer to supplier giving product requirements regarding details for short term delivery instructions and/or medium to long term product/service forecast for planning purposes according to conditions set out in a contract or order. The message can be used to authorize the commitment of labour and materials resources.	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. 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).	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

**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.  
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 for the unique identification of the delivery schedule document, by means of its name and its number.

**Dependency Notes:**  
**Semantic Notes:**  
**Comments:**

#### Data Element Summary

<u>Data Element</u>	<u>Component Element</u>	<u>Name</u>	<u>Attributes</u>
C002		<b>DOCUMENT/MESSAGE NAME</b>	C
		Identification of a type of document/message by code or name. Code preferred.	
	1001	<b>Document/message name, coded</b>	C an..3
		Document/message identifier expressed in code.	
		241 Delivery schedule	
		Usage of DELFOR-message.	
1004		<b>DOCUMENT/MESSAGE NUMBER</b>	C an..35
		Reference number assigned to the document/message by the issuer.	
		This is the Purchase Order number received as an ORDERS transaction with a Document/Message name (BGM C002:1001) of 221.	
1225		<b>MESSAGE FUNCTION, CODED</b>	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:** A segment specifying the date, and when relevant, the time/period of the beginning and ending of the validity period of the document. The DTM must be specified at least once to identify the Delivery Schedule document date.  
 The date/time/period segment within other Segment group should be used whenever the date/time/period is logically related to another specified data item.

**Dependency Notes:**  
**Semantic Notes:**  
**Comments:**

**Data Element Summary**

	<u>Data Element</u>	<u>Component Element</u>	<u>Name</u>	<u>Attributes</u>
M	C507		<b>DATE/TIME/PERIOD</b>	<b>M</b>
			Date and/or time, or period relevant to the specified date/time/period type.	
M		2005	<b>Date/time/period qualifier</b>	<b>M an..3</b>
			Code giving specific meaning to a date, time or period.	
		97	Transaction creation date	
			Forecast Create Date	
		194	Start date/time	
			Date/time on which a period starts.	
			Forecast Start Date	
		206	End date/time	
			Date/time on which a period (from - to) ends.	
			Forecast End Date	
		2380	<b>Date/time/period</b>	<b>C an..35</b>
			The value of a date, a date and time, a time or of a period in a specified representation.	
		2379	<b>Date/time/period format qualifier</b>	<b>C an..3</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.	



**Group:** **RFF** Segment Group 1: Reference  
**Position:** 0040  
**Group:**  
**Level:** 1  
**Usage:** Conditional (Optional)  
**Max Use:** 10  
**Purpose:** A group of segments giving references relevant to the whole message, e.g. contract number.

**Segment Summary**

	<b>Pos. No.</b>	<b>Seg. ID</b>	<b>Name</b>	<b>Req. Des.</b>	<b>Max. Use</b>	<b>Group: Repeat</b>
M	0050	RFF	Reference	M	1	

**Segment:** **RFF** Reference  
**Position:** 0050 (Trigger Segment)  
**Group:** Segment Group 1 (Reference) Conditional (Optional)  
**Level:** 1  
**Usage:** Mandatory  
**Max Use:** 1  
**Purpose:** A segment for referencing documents relating to the whole Delivery Schedule Message, e.g. contract, import/export license.

**Dependency Notes:**  
**Semantic Notes:**  
**Comments:**

#### Data Element Summary

	<u>Data Element</u>	<u>Component Element</u>	<u>Name</u>	<u>Attributes</u>
M	C506		<b>REFERENCE</b> Identification of a reference.	<b>M</b>
M		<b>1153</b>	<b>Reference qualifier</b> Code giving specific meaning to a reference segment or a reference number.	<b>M an..3</b>
			CT Contract number Reference number of a contract concluded between parties.	
			RE Release number Reference number assigned to identify a release of a set of rules, conventions, conditions, etc.	
		<b>1154</b>	<b>Reference number</b> Identification number the nature and function of which can be qualified by an entry in data element 1153 Reference qualifier.	<b>C an..35</b>

**Group:** **NAD** Segment Group 2: Name and Address  
**Position:** 0070  
**Group:**  
**Level:** 1  
**Usage:** Conditional (Optional)  
**Max Use:** 20  
**Purpose:** A group of segments identifying names, addresses, locations, and contacts relevant to the whole Delivery Schedule.

**Segment Summary**

	<b>Pos. No.</b>	<b>Seg. ID</b>	<b>Name</b>	<b>Req. Des.</b>	<b>Max. Use</b>	<b>Group: Repeat</b>
M	0080	NAD	Name and Address	M	1	
	0100		Segment Group 3: Contact Information	C		5

**Segment:** **NAD** Name and Address  
**Position:** 0080 (Trigger Segment)  
**Group:** Segment Group 2 (Name and Address) Conditional (Optional)  
**Level:** 1  
**Usage:** Mandatory  
**Max Use:** 1  
**Purpose:** A segment for identifying names and addresses and their functions relevant for the whole Delivery Schedule. Identification of the seller and buyer parties is recommended for the Delivery Schedule message. Exception: the identification of the recipient of the goods must be given in the NAD segment in the detail section when required. 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. The consignee or delivery address may vary and would have to be clearly specified, preferably in structured format.

**Dependency Notes:**  
**Semantic Notes:**  
**Comments:**

#### Data Element Summary

	<u>Data Element</u>	<u>Component Element</u>	<u>Name</u>	<u>Attributes</u>
M	3035		<b>PARTY QUALIFIER</b> Code giving specific meaning to a party. BY Buyer (3002) Party to which merchandise is sold. ST Ship to Identification of the party to where goods will be or have been shipped. VN Vendor Party vending goods or services.	M an..3
	C082		<b>PARTY IDENTIFICATION DETAILS</b> Identification of a transaction party by code.	C
M		3039	<b>Party id. identification</b> Code identifying a party involved in a transaction. 3M assigned vendor number, plant, or company code. May differ by address type.	M an..35
		3055	<b>Code list responsible agency, coded</b> Code identifying the agency responsible for a code list. 92 Assigned by buyer or buyer's agent	C an..3
	C058		<b>NAME AND ADDRESS</b> Unstructured name and address: one to five lines. Used only if address exceeds space allowed in NAD C059:3042.	C
M		3124	<b>Name and address line</b> Free form name and address description.	M an..35
		3124	<b>Name and address line</b> Free form name and address description.	C an..35
	C080		<b>PARTY NAME</b> Identification of a transaction party by name, one to five lines. Party name may be formatted.	C
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>	C an..35

		Name of a party involved in a transaction.		
	<b>3036</b>	<b>Party name</b>	<b>C</b>	<b>an..35</b>
		Name of a party involved in a transaction.		
		E2EDKA1003 NAME4		
	<b>C059</b>	<b>STREET</b>	<b>C</b>	
		Street address and/or PO Box number in a structured address: one to three lines.		
<b>M</b>	<b>3042</b>	<b>Street and number/p.o. box</b>	<b>M</b>	<b>an..35</b>
		Street and number in plain language, or Post Office Box No.		
	<b>3042</b>	<b>Street and number/p.o. box</b>	<b>C</b>	<b>an..35</b>
		Street and number in plain language, or Post Office Box No.		
	<b>3042</b>	<b>Street and number/p.o. box</b>	<b>C</b>	<b>an..35</b>
		Street and number in plain language, or Post Office Box No.		
	<b>3042</b>	<b>Street and number/p.o. box</b>	<b>C</b>	<b>an..35</b>
		Street and number in plain language, or Post Office Box No.		
	<b>3164</b>	<b>CITY NAME</b>	<b>C</b>	<b>an..35</b>
		Name of a city (a town, a village) for addressing purposes.		
	<b>3229</b>	<b>COUNTRY SUB-ENTITY IDENTIFICATION</b>	<b>C</b>	<b>an..9</b>
		Identification of the name of sub-entities (state, province) defined by appropriate governmental agencies.		
	<b>3251</b>	<b>POSTCODE IDENTIFICATION</b>	<b>C</b>	<b>an..9</b>
		Code defining postal zones or addresses.		
	<b>3207</b>	<b>COUNTRY, CODED</b>	<b>C</b>	<b>an..3</b>
		Identification of the name of a country or other geographical entity as specified in ISO 3166.		

**Group:** **CTA** Segment Group 3: Contact Information  
**Position:** 0100  
**Group:** Segment Group 2 (Name and Address) Conditional (Optional)  
**Level:** 2  
**Usage:** Conditional (Optional)  
**Max Use:** 5  
**Purpose:** A group of segments to identify people, functions, or departments and appropriate numbers to whom communication should be directed.

**Segment Summary**

	<b>Pos. No.</b>	<b>Seg. ID</b>	<b>Name</b>	<b>Req. Des.</b>	<b>Max. Use</b>	<b>Group: Repeat</b>
M	0110	CTA	Contact Information	M	1	
	0120	COM	Communication Contact	C	5	

**Segment:** **CTA Contact Information**  
**Position:** 0110 (Trigger Segment)  
**Group:** Segment Group 3 (Contact Information) Conditional (Optional)  
**Level:** 2  
**Usage:** Mandatory  
**Max Use:** 1  
**Purpose:** A segment to identify the person, function, or department to whom communication should be directed.

**Dependency Notes:**  
**Semantic Notes:**  
**Comments:**

**Data Element Summary**

<u>Data Element</u>	<u>Component Element</u>	<u>Name</u>	<u>Attributes</u>
		<b>CONTACT FUNCTION, CODED</b>	<b>C an..3</b>
		Code specifying the function of a contact (e.g. department or person).	
		IC Information contact	
		Department/person to contact for questions regarding transactions.	
	<b>C056</b>	<b>DEPARTMENT OR EMPLOYEE DETAILS</b>	<b>C</b>
		Code and/or name of a department or employee. Code preferred.	
<b>X</b>	<b>3413</b>	<b>Department or employee identification</b>	<b>C an..17</b>
	<b>3412</b>	<b>Department or employee</b>	<b>C an..35</b>
		The department or person within an organizational entity.	

**Segment:** **COM** **Communication Contact**  
**Position:** 0120  
**Group:** Segment Group 3 (Contact Information) Conditional (Optional)  
**Level:** 3  
**Usage:** Conditional (Optional)  
**Max Use:** 5  
**Purpose:** A segment identifying communication types and numbers for the person, function, or department identified in the CTA.

**Dependency Notes:**  
**Semantic Notes:**  
**Comments:**

**Data Element Summary**

	<u>Data Element</u>	<u>Component Element</u>	<u>Name</u>	<u>Attributes</u>
M	C076		COMMUNICATION CONTACT	M
			Communication number of a department or employee in a specified channel.	
M		3148	Communication number	M an..512
			The communication number.	
M		3155	Communication channel qualifier	M an..3
			Code identifying the type of communication channel being used.	
		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.	
		EX	Extension	
			Telephone extension.	
		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.	



**Segment:** **UNS** Section Control  
**Position:** 0130  
**Group:**  
**Level:** 0  
**Usage:** Mandatory  
**Max Use:** 1  
**Purpose:** A service segment placed at the start of the detail section to avoid segment collision. The detail section consists of two main Segment groups: Segment group 4 and Segment group 18. The use of one of the Segment groups assumes that the other group will not be used. There are two methods of conveying Product Delivery forecast information. First method is by delivery point (Segment groups 4-17), the second is product driven (Segment group 18-31).

**Dependency Notes:**  
**Semantic Notes:**  
**Comments:**

#### Data Element Summary

	<u>Data Element</u>	<u>Component Element</u>	<u>Name</u>	<u>Attributes</u>
M	0081		SECTION IDENTIFIER	M a1
			A character identifying the next section in a message.	
		D	Header/detail section separation	
			To qualify the segment UNS, when separating the header from the detail section of a message.	

**Group:** **LIN** Segment Group 18: Line Item  
**Position:** 0680  
**Group:**  
**Level:** 1  
**Usage:** Conditional (Optional)  
**Max Use:** 9999  
**Purpose:** The detail section consists of two main Segment groups, Segment group 4 and Segment group 18. The use of Segment group 18 assumes that Segment group 4 has not been used.  
 A group of segments that contains a line item and its related information and details of delivery names and addresses for each delivery location to which goods from the line items should be consigned.

**Segment Summary**

	<b>Pos. No.</b>	<b>Seg. ID</b>	<b>Name</b>	<b>Req. Des.</b>	<b>Max. Use</b>	<b>Group: Repeat</b>
M	0690	LIN	Line Item	M	1	
	0700	PIA	Additional Product Id	C	10	
	0810		Segment Group 20: Quantity	C		50
	0810		Segment Group 20: Quantity Firm	C		50
	0810		Segment Group 20: Quantity Committed	C		50
	0810		Segment Group 20: Quantity Forecast	C		50

**Segment:** **LIN** Line Item  
**Position:** 0690 (Trigger Segment)  
**Group:** Segment Group 18 (Line Item)                      Conditional (Optional)  
**Level:** 1  
**Usage:** Mandatory  
**Max Use:** 1  
**Purpose:** A segment identifying the details of the product or service to be delivered, e.g. product identification. All other segments in the detail section following the LIN segment refer to the line item.

**Dependency Notes:**  
**Semantic Notes:**  
**Comments:**

**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. 3M Assigned Line Number	<b>C n..6</b>
1229		<b>ACTION REQUEST/NOTIFICATION, CODED</b> Code specifying the action to be taken or already taken. 1                      Added This line item is added to the referenced message.	<b>C an..3</b>
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 an..35</b>
	7143	<b>Item number type, coded</b> Identification of the type of item number. BP                      Buyer's part number Reference number assigned by the buyer to identify an article.	<b>C an..3</b>

**Segment:** **PIA** Additional Product Id  
**Position:** 0700  
**Group:** Segment Group 18 (Line Item) Conditional (Optional)  
**Level:** 2  
**Usage:** Conditional (Optional)  
**Max Use:** 10  
**Purpose:** A segment providing additional product identification to the line item.  
**Dependency Notes:**  
**Semantic Notes:**  
**Comments:**

**Data Element Summary**

	<u>Data Element</u>	<u>Component Element</u>	<u>Name</u>	<u>Attributes</u>
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. VP Vendor's (seller's) part number Reference number assigned by a vendor/seller identifying an article.	C an..3

**Group:** **QTY** Segment Group 20: Quantity  
**Position:** 0810  
**Group:** Segment Group 18 (Line Item) Conditional (Optional)  
**Level:** 2  
**Usage:** Conditional (Optional)  
**Max Use:** 50  
**Purpose:** A group of segments specifying quantity related information for actual delivery, reporting or cumulative quantities and forecast quantities as required for the line item.

**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	0820	QTY	Quantity	M	1	

**Segment:** QTY Quantity  
**Position:** 0820 (Trigger Segment)  
**Group:** Segment Group 20 (Quantity) Conditional (Optional)  
**Level:** 2  
**Usage:** Mandatory  
**Max Use:** 1  
**Purpose:** A segment to specify pertinent quantities which may be relating to the schedule(s) and/or pattern established in the SCC/DTM segment, e.g. delivery quantity on a specified date.

**Dependency Notes:**  
**Semantic Notes:**  
**Comments:**

#### Data Element Summary

	<u>Data Element</u>	<u>Component Element</u>	<u>Name</u>	<u>Attributes</u>
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.	M an..3
			1 Discrete quantity	
			3 Cumulative quantity	
			70 Cumulative quantity released	
			71 Cumulative quantity received	
			Cumulative quantity of all deliveries of this article received by the buyer.	
			74 Cumulative Quantity Received	
			Cumulative quantity ordered	
			Cumulative quantity of all deliveries, outstanding and scheduled orders.	
			74 Cumulative Quantity on Original Order	
			Latest cumulative quantity	
			Cumulative quantity after complete delivery of all scheduled quantities of the product.	
			113 Last scheduled line quantity delivered	
			Quantity to be delivered	
			The quantity to be delivered.	
			135 Release quantity	
			Period quantity, planned	
			Quantity planned for this period.	
			Forecast	
M		6060	<b>Quantity</b> Numeric value of a 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.	C an..3

**Group:** **QTY** Segment Group 20: Quantity Firm  
**Position:** 0810  
**Group:** Segment Group 18 (Line Item) Conditional (Optional)  
**Level:** 2  
**Usage:** Conditional (Optional)  
**Max Use:** 50  
**Purpose:** A group of segments specifying quantity related information for actual delivery, reporting or cumulative quantities and forecast quantities as required for the line item.

**Segment Summary**

	<b>Pos. No.</b>	<b>Seg. ID</b>	<b>Name</b>	<b>Req. Des.</b>	<b>Max. Use</b>	<b>Group: Repeat</b>
M	0820	QTY	Quantity	M	1	
	0830	SCC	Scheduling Conditions	C	1	
	0840	DTM	Date/Time/Period	C	2	

**Segment:** **QTY** Quantity  
**Position:** 0820 (Trigger Segment)  
**Group:** Segment Group 20 (Quantity Firm) Conditional (Optional)  
**Level:** 2  
**Usage:** Mandatory  
**Max Use:** 1  
**Purpose:** A segment to specify pertinent quantities which may be relating to the schedule(s) and/or pattern established in the SCC/DTM segment, e.g. delivery quantity on a specified date.

**Dependency Notes:**  
**Semantic Notes:**  
**Comments:**

**Data Element Summary**

	<u>Data Element</u>	<u>Component Element</u>	<u>Name</u>	<u>Attributes</u>
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. 113 Quantity to be delivered The quantity to be delivered.	M an..3
M		6060	<b>Quantity</b> Numeric value of a 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.	C an..3



**Segment:** **SCC** Scheduling Conditions  
**Position:** 0830  
**Group:** Segment Group 20 (Quantity Firm) Conditional (Optional)  
**Level:** 3  
**Usage:** Conditional (Optional)  
**Max Use:** 1  
**Purpose:** A segment specifying the type and status of the schedule being given, and optionally defining a pattern to be established, e.g. firm or proposed delivery schedule for a weekly pattern.

**Dependency Notes:**  
**Semantic Notes:**  
**Comments:**

#### Data Element Summary

	<u>Data Element</u>	<u>Component Element</u>	<u>Name</u>	<u>Attributes</u>
M	4017		<b>DELIVERY PLAN STATUS INDICATOR, CODED</b> Code indicating the level of commitment of schedule information.	M an..3
		1	Firm Indicates that the scheduling information is a firm commitment. Indicated go-ahead for production: The schedule lines within this zone count as firm and are therefore fully binding. If these are cancelled within the firm zone, the vendor is entitled to charge for both production costs and the costs of procuring input materials.	
	4493		<b>DELIVERY REQUIREMENTS, CODED</b> Indication of general instruction for delivery.	C an..3
		DD	Deliver on date An order should be delivered exactly on specified date.	
	C329		<b>PATTERN DESCRIPTION</b> Shipment, delivery or production interval pattern and timing.	C
		2013	<b>Frequency, coded</b> Code specifying interval grouping of the delivery, production, etc. of the schedule.	C an..3
		Y	Daily	
		2015	<b>Despatch pattern, coded</b> Code specifying the days/periods for routine shipments or deliveries. Refer to D.96A Data Element Dictionary for acceptable code values.	C an..3
		2017	<b>Despatch pattern timing, coded</b> Code specifying the detailed times for routine shipments or deliveries within data element 2015 Despatch pattern, coded. Refer to D.96A Data Element Dictionary for acceptable code values.	C an..3

**Segment:** **DTM** Date/Time/Period  
**Position:** 0840  
**Group:** Segment Group 20 (Quantity Firm) Conditional (Optional)  
**Level:** 3  
**Usage:** Conditional (Optional)  
**Max Use:** 2  
**Purpose:** A segment indicating the date/time/period details relating to the quantity and schedule detail sin the QTY/SCC segments. This segment may indicate date/time ranges, e.g. start and end dates for a delivery pattern, or delivery window.

**Dependency Notes:**  
**Semantic Notes:**  
**Comments:**

**Data Element Summary**

	<u>Data Element</u>	<u>Component Element</u>	<u>Name</u>	<u>Attributes</u>
M	C507		<b>DATE/TIME/PERIOD</b> Date and/or time, or period relevant to the specified date/time/period type.	M
M		2005	<b>Date/time/period qualifier</b> Code giving specific meaning to a date, time or period. 2 Delivery date/time, requested Date on which buyer requests goods to be delivered.	M an..3
		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.	C an..35
		2379	<b>Date/time/period format qualifier</b> Specification of the representation of a date, a date and time or of a period. 102 CCYMMDD Calendar date: C = Century ; Y = Year ; M = Month ; D = Day. 203 CCYMMDDHHMM Calendar date including time with minutes: C=Century; Y=Year; M=Month; D=Day; H=Hour; M=Minutes.	C an..3

**Group:** **QTY** Segment Group 20: Quantity Committed  
**Position:** 0810  
**Group:** Segment Group 18 (Line Item) Conditional (Optional)  
**Level:** 2  
**Usage:** Conditional (Optional)  
**Max Use:** 50  
**Purpose:** A group of segments specifying quantity related information for actual delivery, reporting or cumulative quantities and forecast quantities as required for the line item.

**Segment Summary**

	<b>Pos. No.</b>	<b>Seg. ID</b>	<b>Name</b>	<b>Req. Des.</b>	<b>Max. Use</b>	<b>Group: Repeat</b>
M	0820	QTY	Quantity	M	1	
	0830	SCC	Scheduling Conditions	C	1	
	0840	DTM	Date/Time/Period	C	2	

**Segment:** **QTY** Quantity  
**Position:** 0820 (Trigger Segment)  
**Group:** Segment Group 20 (Quantity Committed) Conditional (Optional)  
**Level:** 2  
**Usage:** Mandatory  
**Max Use:** 1  
**Purpose:** A segment to specify pertinent quantities which may be relating to the schedule(s) and/or pattern established in the SCC/DTM segment, e.g. delivery quantity on a specified date.

**Dependency Notes:**  
**Semantic Notes:**  
**Comments:**

**Data Element Summary**

	<u>Data Element</u>	<u>Component Element</u>	<u>Name</u>	<u>Attributes</u>
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. 1 Discrete quantity	M an..3
M		6060	<b>Quantity</b> Numeric value of a 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.	C an..3

**Segment:** **SCC** Scheduling Conditions  
**Position:** 0830  
**Group:** Segment Group 20 (Quantity Committed) Conditional (Optional)  
**Level:** 3  
**Usage:** Conditional (Optional)  
**Max Use:** 1  
**Purpose:** A segment specifying the type and status of the schedule being given, and optionally defining a pattern to be established, e.g. firm or proposed delivery schedule for a weekly pattern.

**Dependency Notes:**  
**Semantic Notes:**  
**Comments:**

**Data Element Summary**

	<u>Data Element</u>	<u>Component Element</u>	<u>Name</u>	<u>Attributes</u>
M	4017		<b>DELIVERY PLAN STATUS INDICATOR, CODED</b> Code indicating the level of commitment of schedule information. 3 Commitment for material Authorizes the manufacturer to order material required for manufacturing specified goods. Indicates go-ahead for procurement of input materials: This is the "semi-firm" zone, giving the vendor the go-ahead to procure necessary input materials to manufacture the item ordered. If cancellation is within this semi-firm zone, the vendor is only entitled to charge for the material costs.	M an..3
	4493		<b>DELIVERY REQUIREMENTS, CODED</b> Indication of general instruction for delivery. DD Deliver on date An order should be delivered exactly on specified date.	C an..3
	C329		<b>PATTERN DESCRIPTION</b> Shipment, delivery or production interval pattern and timing.	C
		2013	<b>Frequency, coded</b> Code specifying interval grouping of the delivery, production, etc. of the schedule. Y Daily	C an..3

**Segment:** **DTM** Date/Time/Period  
**Position:** 0840  
**Group:** Segment Group 20 (Quantity Committed) Conditional (Optional)  
**Level:** 3  
**Usage:** Conditional (Optional)  
**Max Use:** 2  
**Purpose:** A segment indicating the date/time/period details relating to the quantity and schedule detail sin the QTY/SCC segments. This segment may indicate date/time ranges, e.g. start and end dates for a delivery pattern, or delivery window.

**Dependency Notes:**  
**Semantic Notes:**  
**Comments:**

**Data Element Summary**

	<u>Data Element</u>	<u>Component Element</u>	<u>Name</u>	<u>Attributes</u>
M	C507		<b>DATE/TIME/PERIOD</b> Date and/or time, or period relevant to the specified date/time/period type.	M
M		2005	<b>Date/time/period qualifier</b> Code giving specific meaning to a date, time or period. 2 Delivery date/time, requested Date on which buyer requests goods to be delivered.	M an..3
		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.	C an..35
		2379	<b>Date/time/period format qualifier</b> Specification of the representation of a date, a date and time or of a period. 102 CCYMMDD Calendar date: C = Century ; Y = Year ; M = Month ; D = Day. 203 CCYMMDDHHMM Calendar date including time with minutes: C=Century; Y=Year; M=Month; D=Day; H=Hour; M=Minutes.	C an..3

**Group:** **QTY** Segment Group 20: Quantity Forecast  
**Position:** 0810  
**Group:** Segment Group 18 (Line Item) Conditional (Optional)  
**Level:** 2  
**Usage:** Conditional (Optional)  
**Max Use:** 50  
**Purpose:** A group of segments specifying quantity related information for actual delivery, reporting or cumulative quantities and forecast quantities as required for the line item.

**Segment Summary**

	<b>Pos. No.</b>	<b>Seg. ID</b>	<b>Name</b>	<b>Req. Des.</b>	<b>Max. Use</b>	<b>Group: Repeat</b>
M	0820	QTY	Quantity	M	1	
	0830	SCC	Scheduling Conditions	C	1	
	0840	DTM	Date/Time/Period	C	2	





**Segment:** **SCC** Scheduling Conditions  
**Position:** 0830  
**Group:** Segment Group 20 (Quantity Forecast) Conditional (Optional)  
**Level:** 3  
**Usage:** Conditional (Optional)  
**Max Use:** 1  
**Purpose:** A segment specifying the type and status of the schedule being given, and optionally defining a pattern to be established, e.g. firm or proposed delivery schedule for a weekly pattern.

**Dependency Notes:**  
**Semantic Notes:**  
**Comments:**

**Data Element Summary**

	<u>Data Element</u>	<u>Component Element</u>	<u>Name</u>	<u>Attributes</u>
M	4017		<b>DELIVERY PLAN STATUS INDICATOR, CODED</b> Code indicating the level of commitment of schedule information. 4 Planning/forecast Indicates forecast: All schedule lines that lie beyond the first two zones (delivery is tentatively scheued into the future) fall within the planning forecast zone. The vendor is not entitiled to charge for any costs for items that fall in the planning forecast zone.	M an..3
	4493		<b>DELIVERY REQUIREMENTS, CODED</b> Indication of general instruction for delivery. DD Deliver on date An order should be delivered exactly on specified date.	C an..3
	C329		<b>PATTERN DESCRIPTION</b> Shipment, delivery or production interval pattern and timing.	C
		2013	<b>Frequency, coded</b> Code specifying interval grouping of the delivery, production, etc. of the schedule. Y Daily	C an..3
		2015	<b>Despatch pattern, coded</b> Code specifying the days/periods for routine shipments or deliveries. Refer to D.96A Data Element Dictionary for acceptable code values.	C an..3
		2017	<b>Despatch pattern timing, coded</b> Code specifying the detailed times for routine shipments or deliveries within data element 2015 Despatch pattern, coded. Refer to D.96A Data Element Dictionary for acceptable code values.	C an..3

**Segment:** **DTM** Date/Time/Period  
**Position:** 0840  
**Group:** Segment Group 20 (Quantity Forecast) Conditional (Optional)  
**Level:** 3  
**Usage:** Conditional (Optional)  
**Max Use:** 2  
**Purpose:** A segment indicating the date/time/period details relating to the quantity and schedule detail sin the QTY/SCC segments. This segment may indicate date/time ranges, e.g. start and end dates for a delivery pattern, or delivery window.

**Dependency Notes:**  
**Semantic Notes:**  
**Comments:**

**Data Element Summary**

	<u>Data Element</u>	<u>Component Element</u>	<u>Name</u>	<u>Attributes</u>
M	C507		<b>DATE/TIME/PERIOD</b> Date and/or time, or period relevant to the specified date/time/period type.	M
M		2005	<b>Date/time/period qualifier</b> Code giving specific meaning to a date, time or period. 2 Delivery date/time, requested Date on which buyer requests goods to be delivered.	M an..3
		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.	C an..35
		2379	<b>Date/time/period format qualifier</b> Specification of the representation of a date, a date and time or of a period. 102 CCYMMDD Calendar date: C = Century ; Y = Year ; M = Month ; D = Day. 203 CCYMMDDHHMM Calendar date including time with minutes: C=Century; Y=Year; M=Month; D=Day; H=Hour; M=Minutes.	C an..3

**Segment:** **UNS** Section Control  
**Position:** 1220  
**Group:**  
**Level:** 0  
**Usage:** Mandatory  
**Max Use:** 1  
**Purpose:** A service segment placed at the start of the summary section to avoid segment collision.  
**Dependency Notes:**  
**Semantic Notes:**  
**Comments:**

**Data Element Summary**

	<u>Data Element</u>	<u>Component Element</u>	<u>Name</u>	<u>Attributes</u>
M	0081		SECTION IDENTIFIER	M a1
		S	Detail/summary section separation	
			To qualify the segment UNS, when separating the detail from the summary section of a message.	

**Segment:** **CNT** Control Total  
**Position:** 1230  
**Group:**  
**Level:** 1  
**Usage:** Conditional (Optional)  
**Max Use:** 5  
**Purpose:** A segment by which control totals may be provided by sender for checking by the receiver.

**Dependency Notes:**  
**Semantic Notes:**  
**Comments:**

#### Data Element Summary

	<u>Data Element</u>	<u>Component Element</u>	<u>Name</u>	<u>Attributes</u>
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:** **FTX** Free Text  
**Position:** 1240  
**Group:**  
**Level:** 1  
**Usage:** Conditional (Optional)  
**Max Use:** 5  
**Purpose:** A segment with free text in coded or clear form to give further clarification when required. In computer to computer exchanges such text will normally require the receiver to process this segment manually.

**Dependency Notes:**  
**Semantic Notes:**  
**Comments:**

#### Data Element Summary

	<u>Data Element</u>	<u>Component Element</u>	<u>Name</u>	<u>Attributes</u>
M	4451		<b>TEXT SUBJECT QUALIFIER</b> Code specifying subject of a free text.	<b>M an..3</b>
		ABC	Conditions of sale or purchase Additional information regarding terms and conditions which apply to the transaction.	
		DEL	Delivery information Information about delivery.	
		ZZZ	Mutually defined Note contains information mutually defined by trading partners. Country Specific text - only used if legal requirement. See appendix. First FTX C108:4440 will contain description of the country specific text, other FTX C108:4440 will contain the actual country specific text.	
	4453		<b>TEXT FUNCTION, CODED</b> Code specifying how to handle the text.	<b>C an..3</b>
		4	No action required Pass text on to later recipient.	
	C108		<b>TEXT LITERAL</b> Free text; one to five lines.	<b>C</b>
M	4440		<b>Free text</b> Free text field available to the message sender for information.	<b>M an..70</b>
	4440		<b>Free text</b> Free text field available to the message sender for information.	<b>C an..70</b>
	4440		<b>Free text</b> Free text field available to the message sender for information.	<b>C an..70</b>
	4440		<b>Free text</b> Free text field available to the message sender for information.	<b>C an..70</b>
	4440		<b>Free text</b> Free text field available to the message sender for information.	<b>C an..70</b>

**Segment:** **UNT** Message Trailer  
**Position:** 1250  
**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**

	<u>Data Element</u>	<u>Component Element</u>	<u>Name</u>	<u>Attributes</u>
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

# APPENDIX

## DELFOR Transaction Example:

UNB+UNOA:1+3MGLOBALT:ZZ+O093401000000000578:14+160921:1058+270'  
UNH+1+DELFOR:D:96A:UN:EAN008'  
BGM+241+3MPONUMBER+9'  
DTM+97:YYYYMMDD:102'  
DTM+194:YYYYMMDD:102'  
DTM+206:YYYYMMDD:102'  
RFF+RE:1'  
NAD+VN+SUPPLIER VENDOR CODE::92++VENDOR NAME+ADDRESS LINE 1+TOWN OR CITY+SAP REGION  
CODE+POST CODE+SAP COUNTRY CODE'  
NAD+BY+3M COMPANY'  
CTA+PD+:NAME OF 3M BUYER'  
COM+TELEPHONE NUMBER:TE'  
COM+EXTENSION:EX'  
COM+FAX NUMBER:FX'  
COM+EMAIL ADDRESS:EM'  
UNS+D'  
LIN+10+1+7100000270:BP'  
PIA+1+123456:VP'  
QTY+71:20:EA'  
QTY+74:0:EA'  
QTY+70:0:EA'  
QTY+3:0:EA'  
QTY+113:5:EA'  
SCC+1+DD+Y'  
DTM+2:201609061200:203'  
QTY+1:5:EA'  
SCC+3+DD+Y'  
DTM+2:201609302212:203'  
QTY+135:5:EA'  
SCC+4+DD+Y'  
DTM+2:20161231:102'  
UNS+S'  
CNT+2:1'  
FTX+ABC+4+++For Purchase Order/Schedule Agreement terms and conditions please visit  
<http://3m.com/supplierterms>'  
UNT+33+1'  
UNZ+1+270'

## **Country Specific Requirements**

### **3M Germany**

Managing Director text will be found at the summary in the FTX segment.

#### **EDIFACT Fields:**

Segment: FTX

Element 4451: ZZZ

C108:4440: MD TEXT

C108:4440: SITZ- 41453 NEUSS, HANDELSREGISTER- HRB 1878 AMTSGERICHT NEUSS, VORSIT:ZENDER  
DES AUFSICHTSRATES- KURT-HENNING WIETHOFF GESCHAFTSFUHRER- REZA: VAZIRI, DR. JOERG  
DEDERICHS,MICHAEL PETERS, STEFAN SCHULZ, VORSITZEND:ER DER GESCHAFTSFUHRUNG- CHANGED

### **3M Italy**

Italy extended address information will be found at the summary in the FTX segment.

#### **EDIFACT Fields:**

Segment: FTX

D96A\_DELFOR\_STP (D.96A)



Element 4451: ZZZ

C108:4440: 3M ITALIA SRL

C108:4440: CAPITALE SOCIALE € 9.150.000 I.V., CF E N. ISCR. R.I. DI MILANO 00100190610 P.IVA  
12971700153, SOC. CON UNICO SOCIO SOGGETTA A DIR. E COORD. DI 3M COMPANY