DESADV Despatch Advice Message

Introduction:

A message specifying details for goods despatched or ready for despatch under agreed conditions.
The United Nations Despatch Advice Message serves both as a specification for Delivery Despatch Advice and also as a Returns Despatch Advice message.   Throughout this document, the reference to 'Despatch Advice' may be interpreted as conveying the wider meaning of 'Delivery Despatch Advice/Returns Despatch Advice'.

Heading Section:

	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		
	0030	DTM	Date/Time/Period	C	10		
Not Used	0040	ALI	Additional Information	C	5		
	0050	MEA	Measurements	C	5		
Not Used	0060	MOA	Monetary Amount	C	5		
	0070		Segment Group 1: RFF-DTM	C		10	
M	0080	RFF	Reference	M	1		
Not Used	0090	DTM	Date/Time/Period	C	1		
	0100		Segment Group 2: NAD-LOC-SG3-SG4	C		10	
M	0110	NAD	Name and Address	M	1		
Not Used	0120	LOC	Place/Location Identification	C	10		
Not Used	0130		Segment Group 3: RFF-DTM	C		10	
Not Used	0140	RFF	Reference	M	1		
Not Used	0150	DTM	Date/Time/Period	C	1		
Not Used	0160		Segment Group 4: CTA-COM	C		10	
Not Used	0170	CTA	Contact Information	M	1		
Not Used	0180	COM	Communication Contact	C	5		
	0190		Segment Group 5: TOD-LOC-FTX	C		10	
M	0200	TOD	Terms of Delivery or Transport	M	1		
Not Used	0210	LOC	Place/Location Identification	C	5		
Not Used	0220	FTX	Free Text	C	5		
	0230		Segment Group 6: TDT-PCD-SG7	C		10	
M	0240	TDT	Details of Transport	M	1		
Not Used	0250	PCD	Percentage Details	C	6		
Not Used	0260		Segment Group 7: LOC-DTM	C		10	
Not Used	0270	LOC	Place/Location Identification	M	1		
Not Used	0280	DTM	Date/Time/Period	C	10		
Not Used	0290		Segment Group 8: EQD-MEA-SEL-EQA-SG9	C		10	
Not Used	0300	EQD	Equipment Details	M	1		
Not Used	0310	MEA	Measurements	C	5		
Not Used	0320	SEL	Seal Number	C	25		
Not Used	0330	EQA	Attached Equipment	C	5		
Not Used	0340		Segment Group 9: HAN-FTX	C		10	
Not Used	0350	HAN	Handling Instructions	M	1		
Not Used	0360	FTX	Free Text	C	10		

Detail Section:

	Pos. No.	Seg. ID	Name	Req. Des.	Max.Use	Group Repeat	Notes and Comments
	0370		Segment Group 10: CPS-FTX-SG11-SG15	C		9999	
M	0380	CPS	Consignment Packing Sequence	M	1		
Not Used	0390	FTX	Free Text	C	5		
Not Used	0400		Segment Group 11: PAC-MEA-QTY-SG12-SG13	C		9999	
Not Used	0410	PAC	Package	M	1		
Not Used	0420	MEA	Measurements	C	10		
Not Used	0430	QTY	Quantity	C	10		
Not Used	0440		Segment Group 12: HAN-FTX	C		10	
Not Used	0450	HAN	Handling Instructions	M	1		
Not Used	0460	FTX	Free Text	C	10		
Not Used	0470		Segment Group 13: PCI-RFF-DTM-GIR-SG14	C		1000	
Not Used	0480	PCI	Package Identification	M	1		
Not Used	0490	RFF	Reference	C	1		
Not Used	0500	DTM	Date/Time/Period	C	5		
Not Used	0510	GIR	Related Identification Numbers	C	99		
Not Used	0520		Segment Group 14: GIN-DLM	C		99	
Not Used	0530	GIN	Goods Identity Number	M	1		
Not Used	0540	DLM	Delivery Limitations	C	10		
	0550		Segment Group 15: LIN-PIA-IMD-MEA-QTY-ALI-GIN-GIR-DLM-DTM-FTX-MOA-SG16-SG17-SG18-SG19-SG20-SG23	C		9999	
M	0560	LIN	Line Item	M	1		
	0570	PIA	Additional Product Id	C	10		
	0580	IMD	Item Description	C	25		
	0590	MEA	Measurements	C	10		
	0600	QTY	Quantity	C	10		
Not Used	0610	ALI	Additional Information	C	10		
Not Used	0620	GIN	Goods Identity Number	C	100		
Not Used	0630	GIR	Related Identification Numbers	C	100		
Not Used	0640	DLM	Delivery Limitations	C	100		
	0650	DTM	Date/Time/Period	C	5		
Not Used	0660	FTX	Free Text	C	5		
Not Used	0670	MOA	Monetary Amount	C	5		
	0680		Segment Group 16: RFF-DTM	C		10	
M	0690	RFF	Reference	M	1		
Not Used	0700	DTM	Date/Time/Period	C	1		
Not Used	0710		Segment Group 17: DGS-QTY-FTX	C		10	
Not Used	0720	DGS	Dangerous Goods	M	1		
Not Used	0730	QTY	Quantity	C	1		
Not Used	0740	FTX	Free Text	C	5		
Not Used	0750		Segment Group 18: LOC-NAD-DTM-QTY	C		100	
Not Used	0760	LOC	Place/Location Identification	M	1		
Not Used	0770	NAD	Name and Address	C	1		
Not Used	0780	DTM	Date/Time/Period	C	1		
Not Used	0790	QTY	Quantity	C	10		

					Req.	Max.Use	Group Repeat	
Not Used	0800		Segment Group 19: SGP-QTY		C		1000	
Not Used	0810	SGP	Split Goods Placement		M	1		
Not Used	0820	QTY	Quantity		C	10		
Not Used	0830		Segment Group 20: PCI-DTM-MEA-QTY-SG21-SG22		C		9999	
Not Used	0840	PCI	Package Identification		M	1		
Not Used	0850	DTM	Date/Time/Period		C	5		
Not Used	0860	MEA	Measurements		C	10		
Not Used	0870	QTY	Quantity		C	1		
Not Used	0880		Segment Group 21: GIN-DLM		C		10	
Not Used	0890	GIN	Goods Identity Number		M	1		
Not Used	0900	DLM	Delivery Limitations		C	100		
Not Used	0910		Segment Group 22: HAN-FTX-GIN		C		10	
Not Used	0920	HAN	Handling Instructions		M	1		
Not Used	0930	FTX	Free Text		C	5		
Not Used	0940	GIN	Goods Identity Number		C	1000		
Not Used	0950		Segment Group 23: QVR-DTM		C		10	
Not Used	0960	QVR	Quantity Variances		M	1		
Not Used	0970	DTM	Date/Time/Period		C	5		
	0550		Segment Group 15: LIN-PIA-QTY		C		9999	
M	0560	LIN	Line Item		M	1		
	0570	PIA	Additional Product Id		C	10		
	0580	QTY	Quantity		C	10		

Summary Section:

	Pos. No.	Seg. ID	Name	Req. Des.	Max.Use	Group Repeat	Notes and Comments
	0980	CNT	Control Total	C	5		
M	0990	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 Despatch advice message is DESADV.
Note: Despatch advice messages conforming to this document must contain the following data in segment UNH, composite S009:
Data element   0065 DESADV   0052 D   0054 96A
0051 UN

Dependency Notes:
Semantic Notes:
Comments:
Business Rules: Variable Name: UNH1

Data Element Summary

	Data Element	Component Element	Name	Attributes	
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.		
			DESADV	Despatch advice message	
				A message specifying details for goods despatched or ready for despatch under agreed conditions. The United Nations Despatch Advice Message serves both as a specification for Delivery Despatch Advice and also as a Returns Despatch Advice message.	
M		0052	**Message type version number**	M	an..3
			Version number of a message type.		
M		0054	**Message type release number**	M	an..3
			Release number within the current message type version number (0052).		
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).	

Segment: # BGM Beginning of Message
Position: 0020
Group:
Level: 0
Usage: Mandatory
Max Use: 1
Purpose: A segment for unique identification of the Despatch Advice document, by means of its name and its number.
Dependency Notes:
Semantic Notes:
Comments: Only one ASN should be created per shipment, per container, and the ASN details must match the physical shipment.   ASN should be sent to 3M 24 hours prior to the shipment arriving at 3M Dock.

Data Element Summary

Data Element	Component Element	Name		Attributes	
C002		DOCUMENT/MESSAGE NAME		C	
		Identification of a type of document/message by code or name. Code preferred.			
	1001	Document/message name, coded		C	an..3
		Document/message identifier expressed in code.			
		351	Despatch advice		
			Document/message by means of which the seller or consignor informs the consignee about the despatch of goods.		
1004		DOCUMENT/MESSAGE NUMBER		C	an..35
		Reference number assigned to the document/message by the issuer.			
		3M allows for 16 character shipment number. If shipment number sent is longer, 3M will use the first 16 characters.			
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

Segment: **DTM** Date/Time/Period
Position: 0030
Group:
Level: 1
Usage: Conditional (Optional)
Max Use: 10
Purpose: Date/time/period related to the whole message.   The DTM segment must be specified at least once to identify the Despatch Advice date.

Dependency Notes:
Semantic Notes:
Comments:

Data Element Summary

	Data Element	Component Element	Name		Attributes
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.		
			2	Delivery date/time, requested	
				Date on which buyer requests goods to be delivered.	
				Date material is expected to be delivered at 3M destination.	
			137	Document/message date/time	
				(2006) Date/time when a document/message is issued. This may include authentication.	
		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.		
			102	CCYYMMDD	
				Calendar date: C = Century ; Y = Year ; M = Month ; D = Day.	

<table>
<tr><td align="right">Segment:</td><td>MEA Measurements</td></tr>
<tr><td align="right">Position:</td><td>0050</td></tr>
<tr><td align="right">Group:</td><td></td></tr>
<tr><td align="right">Level:</td><td>1</td></tr>
<tr><td align="right">Usage:</td><td>Conditional (Optional)</td></tr>
<tr><td align="right">Max Use:</td><td>5</td></tr>
<tr><td align="right">Purpose:</td><td>A segment specifying the weight and volume of the consignment.</td></tr>
<tr><td align="right">Dependency Notes:</td><td></td></tr>
<tr><td align="right">Semantic Notes:</td><td></td></tr>
<tr><td align="right">Comments:</td><td></td></tr>
</table>

Data Element Summary

	Data Element	Component Element	Name	Attributes	
M	6311		**MEASUREMENT APPLICATION QUALIFIER**	M	an..3
			Specification of the application of the physical measurement used.		
			CT Counts		
	C174		**VALUE/RANGE**	C	
			Measurement value and relevant minimum and maximum tolerances in that order.		
M		6411	**Measure unit qualifier**	M	an..3
			Indication of the unit of measurement in which weight (mass), capacity, length, area, volume or other quantity is expressed.		
			CTN Carton		
			MIX Mixed Container Types - More than one type of containeris included in a shipment (shipment could consist of 2 pieces that include 1 pallet and 1 package)		
			PKG Package		
			PLT Pallet		
		6314	**Measurement value**	C	n..18
			Value of the measured unit.		
			3M restricts length of this field to 5 digits. Number of packages.		

	Group:	**RFF** Segment Group 1: Reference

Group: **RFF** Segment Group 1: Reference
Position: 0070
Group:
Level: 1
Usage: Conditional (Optional)
Max Use: 10
Purpose: A group of segments giving references where necessary, their dates relating to the whole message, e.g.   contract number.

Segment Summary

	Pos. No.	Seg. ID	Name		Req. Des.	Max. Use	Group: Repeat
M	0080	RFF	Reference		M	1	

Segment: **RFF** Reference
Position: 0080 (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 despatch advice message, e.g. purchase orders, delivery instructions, import/export license.

Dependency Notes:
Semantic Notes:
Comments:

Data Element Summary

	Data Element	Component Element	Name		Attributes	
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.

BM	Bill of lading number

Reference number assigned to a bill of lading, see: 1001 = 705.

Required by 3M.

Bill of Lading cannot have any special characters.

If there isn't a Bill of Lading Number, for the freight types below use the following information as Bill of Lading:

  Small Parcel –tracking number

  Full Truckload –trailer and seal number

  Less-than-Truckload –pro number

  Ocean –container number

  Air –airway bill

		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.

	Group:	**NAD** Segment Group 2: Name and Address			
	Position:	0100			
	Group:				
	Level:	1			
	Usage:	Conditional (Optional)			
	Max Use:	10			
	Purpose:	A group of segments identifying names, addresses, locations, and required supporting documents relevant to the whole Despatch Advice.			

Segment Summary

	Pos. No.	Seg. ID	Name	Req. Des.	Max. Use	Group: Repeat
M	0110	NAD	Name and Address	M	1	

Segment:		**NAD** Name and Address			

Segment: **NAD** Name and Address
Position: 0110 (Trigger Segment)
Group: Segment Group 2 (Name and Address)   Conditional (Optional)
Level: 1
Usage: Mandatory
Max Use: 1
Purpose: A segment for identifying names, addresses, and their functions relevant to the whole Despatch Advice.   Identification of the parties involved is recommended for the Despatch Advice message, and is to be given in the NAD segment.
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

	Data Element	Component Element	Name	Attributes	
M	3035		**PARTY QUALIFIER**	M	an..3
			Code giving specific meaning to a party.		
		CA	Carrier		
			(3126) Party undertaking or arranging transport of goods between named points.		
			Please visit https://www.3m.com/3M/en_US/suppliers-direct/suppliers/shipping-transportation/ Then Select Country		
			* Required by 3M if 3M will pay freight charges. * Highly recommended if vendor will pay freight charges and carrier is on the 3M carrier list. * Not required if vendor is paying freight and carrier is not on the 3M carrier list.		
		VN	Vendor		
			Party vending goods or services.		
			Required by 3M. Return value sent on PO.		
	C082		**PARTY IDENTIFICATION DETAILS**	C	
			Identification of a transaction party by code.		
M		3039	**Party id. identification**	M	an..35
			Code identifying a party involved in a transaction.		
			3M vendor number. 3M restricts the length of this field to 10 characters.		
		3055	**Code list responsible agency, coded**	C	an..3
			Code identifying the agency responsible for a code list.		
		92	Assigned by buyer or buyer's agent		
	C080		**PARTY NAME**	C	
			Identification of a transaction party by name, one to five lines. Party name may be formatted.		
M		3036	**Party name**	M	an..35
			Name of a party involved in a transaction.		

	Group:	**TOD** Segment Group 5: Terms of Delivery or Transport
	Position:	0190
	Group:	
	Level:	1
	Usage:	Conditional (Optional)
	Max Use:	10
	Purpose:	A group of segments indicating terms of delivery.

Segment Summary

	Pos. No.	Seg. ID	Name	Req. Des.	Max. Use	Group: Repeat
M	0200	TOD	Terms of Delivery or Transport	M	1	

Segment:	**TOD** Terms of Delivery or Transport
Position:	0200 (Trigger Segment)
Group:	Segment Group 5 (Terms of Delivery or Transport) Conditional (Optional)
Level:	1
Usage:	Mandatory
Max Use:	1
Purpose:	A segment indicating the terms of delivery and transfer for the whole despatch advice.
Dependency Notes:	
Semantic Notes:	
Comments:	

Data Element Summary

Data Element	Component Element	Name	Attributes
4055		**TERMS OF DELIVERY OR TRANSPORT FUNCTION, CODED**	C an..3

Indication whether the terms relate to e.g. price conditions, delivery conditions, transport conditions, or a combination of these.

	6	Delivery condition	

Specifies the conditions under which the goods must be delivered to the consignee.

4215		**TRANSPORT CHARGES METHOD OF PAYMENT, CODED**	C an..3

Identification of method of payment for transport charges.

	CC	Collect	

A shipment on which freight charges will be paid by consignee.

	PP	Prepaid (by seller)	

Seller of goods makes payment to carrier for freight charges prior to shipment.

C100		**TERMS OF DELIVERY OR TRANSPORT**	C

Terms of delivery or transport code from a specified source.

	4053	**Terms of delivery or transport, coded**	C an..3

Identification of the terms agreed between two parties (e.g. seller/buyer, shipper/carrier) under which a product or service is provided.

	CFR	Cost and Freight
	CIF	Cost, Insurance, and Freight
	CIP	Carriage and Insurance Paid To
	CPT	Carriage Paid To
	DAP	Delivered at Place
	DAT	Delivered at Terminal
	DDP	Delivered Duty Paid
	EXW	Ex Works
	FAS	Free Alongside Ship
	FCA	Free Carrier
	FOB	Free on Board

	1131	**Code list qualifier**	C an..3

Identification of a code list.

	106	Incoterms 1980	

(4110) Code to indicate applicable Incoterm (1980 edition) under which seller undertakes to deliver merchandise to buyer (ICC). Incoterms 1990: use 4053 only.

	4052	**Terms of delivery or transport**	C an..70

Terms agreed between two parties (e.g. seller/buyer, shipper/carrier) under

which a product or service is provided.
Incoterms description

Group: **TDT** **Segment Group 6: Details of Transport**
Position: 0230
Group:
Level: 1
Usage: Conditional (Optional)
Max Use: 10
Purpose: A group of segments specifying details of the mode and means of transport and date/time of departure and destination relevant to the whole despatch advice.

Segment Summary

	Pos. No.	Seg. ID	Name	Req. Des.	Max. Use	Group: Repeat
M	0240	TDT	Details of Transport	M	1	

Segment: **TDT** Details of Transport
Position: 0240 (Trigger Segment)
Group: Segment Group 6 (Details of Transport)   Conditional (Optional)
Level: 1
Usage: Mandatory
Max Use: 1
Purpose: A segment specifying the carriage, and the mode and means of transport of the goods being despatched.
Dependency Notes:
Semantic Notes:
Comments:

Data Element Summary

	Data Element	Component Element	Name		Attributes
M	8051		**TRANSPORT STAGE QUALIFIER**	M	an..3
			Qualifier giving a specific meaning to the transport details.		
	8028		**CONVEYANCE REFERENCE NUMBER**	C	an..17
			Unique reference given by the carrier to a certain journey or departure of a means of transport (generic term).		
	C220		**MODE OF TRANSPORT**	C	
			Method of transport code or name. Code preferred.		
X		8067	**Mode of transport, coded**	C	an..3
		8066	**Mode of transport**	C	an..17
			Method of transport used for the carriage of the goods.		

3M Means of Transport ID will be provided by 3M Transportation.

AIR	Airplane
AIRPARCEL	Air Parcel
AIRPAREX	Air Parcel Express
AIRTK	Air Freight
CONT20	20 ft Ocean Box - Dry
CONT40	40 ft Ocean Box - Dry
CONTAINER	Container
CPU	Customer Pickup
CPUFTL	Customer Pickup-Full Truck Load
CPULTL	Customer Pickup-Less Than Truck Load
CPUPARCEL	Customer Pickup-Parcel
DRY53	53 ft. Trailer
FLAT53	53 ft Trailer Flat
GRDPARCEL	Ground Parcel
GRDPAREX	Ground Parcel Express
HEAT53	53 ft Trailer Heated
INTERMODAL	
	INTERMODAL
INTMOD20	INTERMODAL 20
INTMOD40	INTERMODAL 40
INTMOD40HC	
	INTERMODAL 40HC
LCL	LCL Ocean
LTL	Less than Truck Load
LTLAMB	Less than Truck Load - Ambient
LTLTEMP	Less than Truck Load - Temp Controlled

PARCELEXP	Parcel Express
PIGG48	48 ft INTERMODAL
PIGG53	53 ft INTERMODAL
RAIL	RAIL
REFR53	53 ft Trailer, Refrigerated
TANK	Tank Car
TANK45	45 ft Tank Car
TANK48	48 ft Tank Car
TEAMDRIVER	
	53 ft Trailer (Team)
TMDR53	53 ft Trailer, Dry Freight (Team)
TMHT53	53 ft Trailer, Heated/Insulated/Ventilated (Team)
TMRF53	53 ft Trailer, Refrigerated (Team)
VEN	VEN

Group: **CPS** Segment Group 10: Consignment Packing Sequence
Position: 0370
Group:
Level: 1
Usage: Conditional (Optional)
Max Use: 9999
Purpose: A group of segments providing details of all package levels and of the individual despatched items contained in the consignment. This segment group provides the capability to give the hierarchical packing relationships. The group defines a logical top-down order structure. The lowest level package information of the hierarchy is followed by the detail product information.

Segment Summary

	Pos. No.	Seg. ID	Name	Req. Des.	Max. Use	Group: Repeat
M	0380	CPS	Consignment Packing Sequence	M	1	
	0550		Segment Group 15: Line Item	C		9999
	0550		Segment Group 15: Sub-line for Subcontracting POs	C		9999

Segment: # CPS Consignment Packing Sequence

Position:	0380 (Trigger Segment)
Group:	Segment Group 10 (Consignment Packing Sequence) Conditional (Optional)
Level:	1
Usage:	Mandatory
Max Use:	1
Purpose:	A segment identifying the sequence in which packing of the consignment occurs, e.g. boxes loaded onto a pallet.
Dependency Notes:	
Semantic Notes:	
Comments:	

Data Element Summary

	Data Element	Component Element	Name	Attributes	
M	7164		**HIERARCHICAL ID. NUMBER**	M	an..12
			A unique number assigned by the sender to identify a level within a hierarchical structure.		
	7166		**HIERARCHICAL PARENT ID.**	C	an..12
			Identification number of the next higher hierarchical data segment in a hierarchical structure.		
	7075		**PACKAGING LEVEL, CODED**	C	an..3
			Indication of level of packaging specified.		

		Group:	**LIN** Segment Group 15: Line Item			

Group: **LIN** Segment Group 15: Line Item

Position: 0550

Group: Segment Group 10 (Consignment Packing Sequence)   Conditional (Optional)

Level: 2

Usage: Conditional (Optional)

Max Use: 9999

Purpose: A group of segments providing details of the individual despatched items.

Segment Summary

	Pos. No.	Seg. ID	Name	Req. Des.	Max. Use	Group: Repeat
M	0560	LIN	Line Item	M	1	
	0570	PIA	Additional Product Id	C	10	
	0580	IMD	Item Description	C	25	
	0590	MEA	Measurements	C	10	
	0600	QTY	Quantity	C	10	
	0650	DTM	Date/Time/Period	C	5	
	0680		Segment Group 16: Reference	C		10

Segment: **LIN** Line Item
Position: 0560 (Trigger Segment)
Group: Segment Group 15 (Line Item)   Conditional (Optional)
Level: 2
Usage: Mandatory
Max Use: 1
Purpose: A segment identifying the product being despatched.
All other segments in the detail section following the LIN segment refer to that line item.

Dependency Notes:
Semantic Notes:
Comments:

Data Element Summary

Data Element	Component Element	Name	Attributes	
1082		LINE ITEM NUMBER	C	n..6

Serial number designating each separate item within a series of articles.

Return the line number sent in PO.

1229		ACTION REQUEST/NOTIFICATION, CODED	C	an..3

Code specifying the action to be taken or already taken.

1	Added	

This line item is added to the referenced message.

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.

BP	Buyer's part number	

Reference number assigned by the buyer to identify an article.

IN	Buyer's item number	

Used for the 3M material number of the component in a sub-contract PO.

C829		**SUB-LINE INFORMATION**	C	

To provide an indication that a segment or segment group is used to contain sub-line or sub-line item information and to optionally enable the sub-line to be identified.

Used only for sub-contracting POs.

	5495	**Sub-line indicator, coded**	C	an..3

Indication that the segment and/or segment group is used for sub-line item information.

Use only on Sub-contracing POs.

Refer to D.96A Data Element Dictionary for acceptable code values.

	1082	**Line item number**	C	n..6

Serial number designating each separate item within a series of articles.

Use only on Sub-contracing POs.
Send same line item number used in the LIN 1082 of the PO line LIN loop.

			Segment:	**PIA** Additional Product Id		

Segment: **PIA** Additional Product Id
Position: 0570
Group: Segment Group 15 (Line Item)   Conditional (Optional)
Level: 3
Usage: Conditional (Optional)
Max Use: 10
Purpose: A segment providing additional product identification.
Dependency Notes:
Semantic Notes:
Comments:

Data Element Summary

	Data Element	Component Element	Name		Attributes	
M	4347		**PRODUCT ID. FUNCTION QUALIFIER**		M	an..3
			Indication of the function of the product code.			
		5	Product identification			
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.			
		NB	Batch number			
			Use to identify the 3M Batch Number for a sub-contract PO component.			
		VP	Vendor's (seller's) part number			
			Reference number assigned by a vendor/seller identifying an article.			
	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.			
		AM	UPC (Universal Product Code)/EAN (European article number) Shipping container code (1-2-5-5-1) A 14-digit code that uniquely identifies the manufacturer's shipping unit, including the packaging indicator and the check digit.			

Segment: # IMD Item Description

Position: 0580
Group: Segment Group 15 (Line Item)   Conditional (Optional)
Level: 3
Usage: Conditional (Optional)
Max Use: 25
Purpose: A segment for describing the product being despatched.   This segment should be used for products that cannot be identified by a product code or article number.

Dependency Notes:
Semantic Notes:
Comments:

Data Element Summary

Data Element	Component Element	Name	Attributes	
7077		**ITEM DESCRIPTION TYPE, CODED**	C	an..3
		Code indicating the format of a description.		
		F Free-form		
7081		**ITEM CHARACTERISTIC, CODED**	C	an..3
		Code specifying the item characteristic being described.		
		8 Product		
C273		**ITEM DESCRIPTION**	C	
		Description of an item.		
	7009	**Item description identification**	C	an..17
		Code from an industry code list which provides specific data about a product characteristic.		
	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:	**MEA** Measurements		
Position:	0590		
Group:	Segment Group 15 (Line Item)	Conditional (Optional)	
Level:	3		
Usage:	Conditional (Optional)		
Max Use:	10		
Purpose:	A segment specifying physical measurements of the despatched item in original or unpacked form.		

Dependency Notes:
Semantic Notes:
Comments:
Notes: 3M requires 2 MEA segments. One for the gross weight (G) and one for the net weight (AAL).

Data Element Summary

	Data Element	Component Element	Name	Attributes	
M	6311		**MEASUREMENT APPLICATION QUALIFIER**	M	an..3
			Specification of the application of the physical measurement used.		
			AAI Item weight		
			Weight at line item level.		
			EVO Estimated volume		
			Estimated size or measure of anything in three dimensions.		
	C502		**MEASUREMENT DETAILS**	C	
			Identification of measurement type.		
		6313	**Measurement dimension, coded**	C	an..3
			Specification of the type of dimension to be measured.		
			AAL Net weight		
			[6160] Weight (mass) of goods including any packing normally going with them to a buyer in a retail sale.		
			ABJ Volume		
			The amount of air space taken up by the entity identified in the 6311 qualifier.		
			G Gross weight		
			[6292] Weight (mass) of goods including packing but excluding the carrier's equipment.		
		6321	**Measurement significance, coded**	C	an..3
			Code specifying the significance of a measurement value.		
			4 Equal to		
	C174		**VALUE/RANGE**	C	
			Measurement value and relevant minimum and maximum tolerances in that order.		
M		6411	**Measure unit qualifier**	M	an..3
			Indication of the unit of measurement in which weight (mass), capacity, length, area, volume or other quantity is expressed.		
		6314	**Measurement value**	C	n..18
			Value of the measured unit.		

		Segment:	**QTY** Quantity

Segment: **QTY** Quantity
Position: 0600
Group: Segment Group 15 (Line Item)   Conditional (Optional)
Level: 3
Usage: Conditional (Optional)
Max Use: 10
Purpose: A segment to give quantity information concerning the product.
Dependency Notes:
Semantic Notes:
Comments:

Data Element Summary

	Data Element	Component Element	Name	Attributes	
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.		
			131 Delivery quantity		
			Quantity required by buyer to be delivered.		
M		6060	**Quantity**	M	n..15
			Numeric value of a quantity.		
		6411	**Measure unit qualifier**	C	an..3
			Indication of the unit of measurement in which weight (mass), capacity, length, area, volume or other quantity is expressed.		

		Segment:	**DTM** Date/Time/Period
		Position:	0650
		Group:	Segment Group 15 (Line Item) Conditional (Optional)
		Level:	3
		Usage:	Conditional (Optional)
		Max Use:	5
		Purpose:	A segment providing date, time information related to the line item, e.g. production date.

Dependency Notes:
Semantic Notes:
Comments:
Notes:

If material is batch managed, the production/manufacture date (94) is required.

If shelf life (SLED/BBD) is relevant for material, the shelf life expiration date (36) is required.

Data Element Summary

	Data Element	Component Element	Name	Attributes	
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.	
			94	Production/manufacture date	
				Date on which goods are produced.	
		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.		
			Refer to D.96A Data Element Dictionary for acceptable code values.		

Group: **RFF** **Segment Group 16: Reference**

Position:	0680
Group:	Segment Group 15 (Line Item) Conditional (Optional)
Level:	3
Usage:	Conditional (Optional)
Max Use:	10
Purpose:	A group of segments to give reference numbers and dates.

Segment Summary

	Pos. No.	Seg. ID	Name	Req. Des.	Max. Use	Group: Repeat
M	0690	RFF	Reference	M	1	

Segment: **RFF** Reference
Position: 0690 (Trigger Segment)
Group: Segment Group 16 (Reference)   Conditional (Optional)
Level: 3
Usage: Mandatory
Max Use: 1
Purpose: A segment identifying documents related to the line item.
Dependency Notes:
Semantic Notes:
Comments:

Data Element Summary

	Data Element	Component Element	Name		Attributes	
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.

AAB   Proforma invoice number

[1088] Reference number assigned by the seller to a Proforma Invoice.

BT   Batch number/lot number

Reference number assigned by manufacturer to a series of similar products or goods produced under similar conditions.

Vendor batch number - used in the PO line item LIN (not sub-line).

Only 1 vendor batch allowed per LIN loop. If more than 1 batch for PO line item, repeat LIN loop as many times as necessary.

Required if material is batch managed. For 3M USA PO's only, the PO line item text will advise if material is batch managed.

Batch Number Field in 3M systems limited to 10 characters and must be alpha numeric. If vendor batch exceeds 10 characters, 3M will use the last 10 characters.

Batch number cannot begin with the number zero or include special characters.

CT   Contract number

Reference number of a contract concluded between parties.

ON   Order number (purchase)

[1022] Reference number assigned by the buyer to an order.

		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.

	Group:	**LIN** Segment Group 15: Sub-line for Subcontracting POs
	Position:	0550
	Group:	Segment Group 10 (Consignment Packing Sequence) Conditional (Optional)
	Level:	2
	Usage:	Conditional (Optional)
	Max Use:	9999
	Purpose:	A group of segments providing details of the individual despatched items.
	Notes:	Used on subcontracing POs only.

Vendor must return all components on the DESADV as specified on the PO.   If 1 or more of the components are not consumed, the vendor should send the segements for the component with a quantitiy of zero and the unit of measure of the component.

Segment Summary

	Pos. No.	Seg. ID	Name	Req. Des.	Max. Use	Group: Repeat
M	0560	LIN	Line Item	M	1	
	0570	PIA	Additional Product Id	C	10	
	0580	QTY	Quantity	C	10	

Segment: # LIN Line Item
Position: 0560 (Trigger Segment)
Group: Segment Group 15 (Sub-line for Subcontracting POs)   Conditional (Optional)
Level: 2
Usage: Mandatory
Max Use: 1
Purpose: A segment identifying the product being despatched.
All other segments in the detail section following the LIN segment refer to that line item.
Dependency Notes:
Semantic Notes:
Comments:

Data Element Summary

Data Element	Component Element	Name	Attributes	
1082		**LINE ITEM NUMBER**	C	n..6

Serial number designating each separate item within a series of articles.

Return the 3M assigned PO line number for the parent LIN.

| 1229 | | **ACTION/REQUEST/NOTIFICATION, CODED** | C | an..3 |

Code specifying the action to be taken or already taken.

| | 1 | Added | | |

This line item is added to the referenced message.

| 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.

3M material number of a component in a subcontract PO.

| | 7143 | **Item number type, coded** | C | an..3 |

Identification of the type of item number.

| | IN | Buyer's item number | | |

Used for the 3M material number of the component in a sub-contract PO.

| C829 | | **SUB-LINE INFORMATION** | C | |

To provide an indication that a segment or segment group is used to contain sub-line or sub-line item information and to optionally enable the sub-line to be identified.

Used only for sub-contracting POs.

| | 5495 | **Sub-line indicator, coded** | C | an..3 |

Indication that the segment and/or segment group is used for sub-line item information.
Refer to D.96A Data Element Dictionary for acceptable code values.

| | 1082 | **Line item number** | C | n..6 |

Serial number designating each separate item within a series of articles.

Use only on Sub-contracing POs.
Send same line item number used in the LIN 1082 of the PO line LIN loop.

		Segment:	**PIA** Additional Product Id		

Segment: **PIA** Additional Product Id
Position: 0570
Group: Segment Group 15 (Sub-line for Subcontracting POs)　　　Conditional (Optional)
Level: 3
Usage: Conditional (Optional)
Max Use: 10
Purpose: A segment providing additional product identification.
Dependency Notes:
Semantic Notes:
Comments:

Data Element Summary

	Data Element	Component Element	Name	Attributes	
M	4347		**PRODUCT ID. FUNCTION QUALIFIER**	M	an..3
			Indication of the function of the product code.		
		5	Product identification		
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.		
			The 3M number which came with the component that was shipped to manufacture the finished or semi-finished item.		
		7143	**Item number type, coded**	C	an..3
			Identification of the type of item number.		
		NB	Batch number		
			Use to identify the 3M Batch Number for a sub-contract PO component.		
		1131	**Code list qualifier**	C	an..3
			Identification of a code list.		
			Refer to D.96A Data Element Dictionary for acceptable code values.		
		3055	**Code list responsible agency, coded**	C	an..3
			Code identifying the agency responsible for a code list.		
			Refer to D.96A Data Element Dictionary for acceptable code values.		

Segment: # QTY Quantity
Position: 0580
Group: Segment Group 15 (Sub-line for Subcontracting POs)   Conditional (Optional)
Level: 3
Usage: Conditional (Optional)
Max Use: 10
Purpose: A segment to give quantity information concerning the product.
Dependency Notes:
Semantic Notes:
Comments:

Data Element Summary

	Data Element	Component Element	Name		Attributes	
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.			
			131 Delivery quantity			
			Quantity required by buyer to be delivered.			
M		6060	**Quantity**	**M**	**n..15**	
			Numeric value of a quantity.			
		6411	**Measure unit qualifier**	**C**	**an..3**	
			Indication of the unit of measurement in which weight (mass), capacity, length, area, volume or other quantity is expressed.			

Segment: # CNT Control Total
Position: 0980
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

	Data Element	Component Element	Name		Attributes
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.		
		3	Number of line and sub items in message		
			Description to be provided.		
M		6066	**Control value**	**M**	**n..18**
			Value obtained from summing the values specified by the Control Qualifier throughout the message (Hash total).		

Segment: $\mathbf{UNT}$ **Message Trailer**
Position: 0990
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

	Data Element	Component Element	Name	Attributes	
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.		

Despatch Advice Note

UNB+UNOA:1+SUPPLIER MAILBOX NUMBER:QUALIFIER+3MGLOBALT:ZZ +DATE IN YYMMDD:TIME IN HH MM+INTERCHANGE NUMBER+Supplier password+DESADV'
UNH+1+DESADV:D:96A:UN'
BGM+351+NUMERIC REFERENCE NUMBER ASSIGNED TO THE DOCUMENT BY SENDER+9'
DTM+137:DOCUMENT DATE IN YYYYMMDD:102'
DTM+2:DELIVERY DATE IN YYYYMMDD:102'
MEA+CT++MEASURE UNIT QUALIFIER (example PLT):1'
RFF+BM:BILL OF LADING NUMBER'
NAD+CA+3M VENDOR NUMBER OF CARRIER::92++CARRIER NAME'**only if use 3m carrier**
NAD+VN+3M VENDOR NUMBER OF SUPPLIER::92++SUPPLIER NAME'
TOD+6++INCOTERM TYPE (EXAMPLE FCA):::DESCRIPTION OF INCOTERM eg PLACE OF DESTINATION / EXWORKS'
TDT+TRANSPORT STAGE QUALIFIER+CONVEYANCE REFERENCE NUMBER+:MODE OF TRANSPORT (example AIRTK)
' **if use 3M carrier**
CPS+1++1
LIN+LINE ITEM NUMBER WHICH MATCHES PURCHASE ORDER LINE ITEM NUMBER+1+3M STOCK NUMBER:BP'
MEA+AAI+G:4+MEASURE UNIT QUALIFIER(example KGM):MEASUREMENT VALUE'
MEA+AAI+AAL:4+MEASURE UNIT QUALIFIER(example KGM):MEASUREMENT VALUE'
QTY+131:100: MEASURE UNIT QUALIFIER (example MTR)'
DTM+94:DATE IN WHICH GOODS WERE PRODUCED IN YYYYMMDD:102'**only if batch managed**
RFF+ON:PURCHASE ORDER MESSAGE RELATES TO'
RFF+BT:BATCH NUMBER OF GOODS'**only if batched managed**
CNT+3:NUMBER OF LINE ITEMS IN MESSAGE (in this case 1)'
UNT+NUMBER OF SEGMENTS IN MESSAGE in this case 19+1'
UNZ+1+INTERCHANGE NUMBER'

Notes

Segment headers in **bold** text
Element separator indicated with +
Composite element separator indicated with :
Segment terminator indicated with '

Where appropriate, examples are also provided in certain elements to provide context.   Other codes or qualifiers listed are what we would expect to see in the message.