

3M EDI EDIFACT D96A DESADV Advance Ship Notice

Introduction

The purpose of this document is to detail the requirements for a customer wanting to receive an electronic ship notification from 3M via EDI. 3M EDIFACT DESADV works only on this standard guide/map thus cannot accommodate any customer-specific requirements. If a customer signs up to receive the transmission of EDI DESADV they must agree to send/receive the suite of EDI procure to pay transactions (ORDERS, ORDRSP, INVOIC and DESADV)

The EDIFACT version presented in this guideline is D96A.

Key Points

- Each ASN is represented by a unique ASN number (Delivery number) for each shipment. 3M will provide separate ASNs for each order.
- The Item details will be provided based on the ASN structure defined below.
- 3M will provide ASNs without SSCC label as a default ASN structure when items are shipped from locations that cannot provide labels.
- 3M will provide Ship From (SF) and Ultimate Consignee (UC) information only if the customer provides this information on purchase order via ORDERS.
- Customer Item or Service Identifiers should be identified using the following qualifiers.
 - BP Buyer Part Number
 - EN EAN 2-5-5-1
 - SA Supplier Article Number

SSCC Labeling Requirements

Following are some of the more common shipment scenarios and how 3M will send the SSCC labels. SSCC labels are only sent from Label capable ship from locations for pallets, cartons on pallet, loose cartons, a carton with multiple items and small parcel shipments. In the event that a 3M customer does not require ASN labels, we can withhold them from the ASN.

ASN Structure

- A. **Non labels:** /Shipment/Material
- B. **Only Pallet labels:** /Shipment /Pallet
- C. **Only carton labels:** /Shipment /Carton
- D. **Both Pallet and Carton labels:** /Shipment /Pallet /Carton



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. 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:

	<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		
	0030	DTM	Date/Time/Period	C	10		
	0050	MEA	Measurements	C	5		
	0070		Segment Group 1: RFF	C		10	
M	0080	RFF	Reference	M	1		
	0090	DTM	Date/time/period	C	1		
	0100		Segment Group 2: NAD	C		10	
M	0110	NAD	Name and Address	M	1		
	0230		Segment Group 5: TOD	C		10	
	0200	TOD	Terms of delivery or transport	M	1		
	0210	LOC	Place/location identification	C	5		
	0230		Segment Group 6: TDT	C		10	
M	0240	TDT	Details of Transport	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>
	0370		Segment Group 10: CPS-Shipment	C		9999	
M	0380	CPS	Consignment Packing Sequence Shipment	M	1		
M	0410	PAC	Package	M	1		
	0420	MEA	Measurements	C	10		
	0370		Segment Group 10: Pallet	C		9999	
M	0380	CPS	Consignment Packing Sequence Shipment	M	1		
M	0410	PAC	Package	M	1		
	0420	MEA	Measurements	C	10		
	0480	PCI	Package Information				
	0520	GIN	Goods identity number				
	0370		Segment Group 10: Carton	C		9999	
M	0380	CPS	Consignment Packing Sequence Shipment	M	1		
M	0410	PAC	Package	M	1		
	0420	MEA	Measurements	C	10		



0480	PCI	Package Information	C	1
0530	GIN	Goods identity number	C	99
Segment Group 15 LIN-IMD-MEA-QTY-ALI				
0560	LIN	Line Item	M	1
0570	PIA	Additional Product Id	C	10
0580	IMD	Item Description	C	25
0600	QTY	Quantity	C	10
0610	ALI	Additional information	C	10
Group 16: RFF-DTM				
0690	RFF	Reference	C	10
0700	DTM	Date/time/period	C	1
Group 20: PCI-DTM-Qty				
0840	PCI	Package identification	M	1
0850	DTM	Date/time/period	C	5
Group 22:HAN-FTX-GIN				
0940	GIN	Goods identity number	C	1000
Group 23:QVR-DTM				
0960	QVR	Quantity variance	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>
M	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

Business Rules: Variable Name: UNH1

Data Element Summary

	<u>Data Element</u>	<u>Component Element</u>	<u>Name</u>	<u>Attributes</u>
M	0062		MESSAGE REFERENCE NUMBER Unique message reference assigned by the sender.	M an..14
M	S009		MESSAGE IDENTIFIER Identification of the type, version etc. of the message being interchanged.	M
M		0065	Message type identifier 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 an..6
M		0052	Message type version number Version number of a message type.	M an..3
M		0054	Message type release number Release number within the current message type version number (0052).	M an..3
M		0051	Controlling agency 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	Association assigned code Code, assigned by the association responsible for the design and maintenance of the message type concerned, which further identifies the message.	C an..6



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:

Notes: BGM+351+ 2729169T8S+9'

Data Element Summary

<u>Data Element</u>	<u>Component Element</u>	<u>Name</u>	<u>Attributes</u>
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.	
1225		MESSAGE FUNCTION, CODED	C an..3
		Code indicating the function of the message.	
		9 Original	



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:

Notes: DTM+137+20140321:102'
DTM+17+20140325:102'

Data Element Summary

	<u>Data Element</u>	<u>Component Element</u>	<u>Name</u>	<u>Attributes</u>
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.	
		11	Despatch data and or time	
		17	Delivery date/time, estimated	
		137	Document/message date/time	
		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.	
		203	CCYYMMDDHHMM	
		102	CCYYMMDD	
			Calendar date: C = Century ; Y = Year ; M = Month ; D = Day.	



Segment: **MEA** Measurements
Position: 0050
Group:
Level: 1
Usage: Conditional (Optional)
Max Use: 5
Purpose: To specify physical measurements, including dimension tolerances, weights and counts.
Dependency Notes:
Semantic Notes:
Comments:

Notes: MEA+AAX+AAB+KGM:3'

Data Element Summary

	<u>Data Element</u>	<u>Component Element</u>	<u>Name</u>	<u>Attributes</u>
M	6311		MEASUREMENT APPLICATION QUALIFIER Specification of the application of the physical measurement used. AAX Consignment measurement	M an..3
	C502		MEASUREMENT DETAILS Identification of measurement type.	C
		6313	Measurement dimension, coded Specification of the type of dimension to be measured. AAB Unit gross weight [6292] Weight (mass) of goods including packing but excluding the carrier's equipment.	C an..3
	C174		VALUE/RANGE Measurement value and relevant minimum and maximum tolerances in that order.	C
M		6411	Measure unit qualifier Indication of the unit of measurement in which weight (mass), capacity, length, area, volume or other quantity is expressed. KGM Kilogram	M an..3
		6314	Measurement value Value of the measured unit.	C n..18



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

	<u>Pos. No.</u>	<u>Seg. ID</u>	<u>Name</u>	<u>Req. Des.</u>	<u>Max. Use</u>	<u>Group: Repeat</u>
M	0080	RFF	Reference	M	1	
	0090	DTM	Date/time/period	C	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:

Notes: RFF+ON:13079136

Data Element Summary

	<u>Data Element</u>	<u>Component Element</u>	<u>Name</u>	<u>Attributes</u>
M	C506		REFERENCE Identification of a reference.	M
M		1153	Reference qualifier Code giving specific meaning to a reference segment or a reference number. DQ Delivery note number ON Order number (purchase) ACD Additional reference number	M an..3
		1154	Reference number Identification number the nature and function of which can be qualified by an entry in data element 1153 Reference qualifier.	C an..35



Segment: **DTM** Date/Time/Period
Position: 0090
Group: Segment group 1 Conditional (Optional)
Level: 2
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:

Notes: DTM+171+20140321:102'

Data Element Summary

	<u>Data Element</u>	<u>Component Element</u>	<u>Name</u>	<u>Attributes</u>
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.	
		171	Reference date/time	
		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.	



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

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



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.
Notes: NAD+BY+16016334:::9++BUYER NAME+BUYER ADDRESS+HAMBURG++34567+DE'

Data Element Summary

	<u>Data Element</u>	<u>Component Element</u>	<u>Name</u>	<u>Attributes</u>
M	3035		PARTY QUALIFIER Code giving specific meaning to a party. CA Carrier BY Buyer DP Delivery party UC Ultimate consignee SF Ship from SU Supplier	M an..3
	C082		PARTY IDENTIFICATION DETAILS Identification of a transaction party by code.	C
M		3039	Party id. identification Code identifying a party involved in a transaction.	M an..35
		3055	Code list responsible agency, coded Code identifying the agency responsible for a code list. 9 EAN (International Article Numbering association)	C an..3
	C082		PARTY IDENTIFICATION DETAILS	C
	C058		NAME AND ADDRESS	C
		3124	Name and address line Free form name and address description	M an..35
	C080		PARTY NAME	C
		3036	Party name Name of a party involved in a transaction.	C an..35
	C059		STREET	C
		3042	Street and number/p.o. box Street and number in plain language, or Post Office Box No	C an..35
		3042	Street and number/p.o. box Street and number in plain language, or Post Office Box No	C an..35
			City Name	C an..35



3164 Name of a city (a town, a village) for addressing purposes.
3251 **Postcode identification** C an...9
Code defining postal zones or addresses.

3207 **Country, coded** C an...3
Identification of the name of a country or other
geographical entity as specified in ISO



Group: **TOD** Segment Group 5: Terms of Delivery or Transport
Position: 0200
Group:
Level: 1
Usage: Conditional (Optional)
Max Use: 10
Purpose: To specify terms of delivery or transport

Segment Summary

	<u>Pos. No.</u>	<u>Seg. ID</u>	<u>Name</u>	<u>Req. Des.</u>	<u>Max. Use</u>	<u>Group: Repeat</u>
M	0200	TOD	Terms of delivery or transport	M	1	
	0210	LOC	Place/location identification	C	5	



Segment: **TOD Reference**
Position: 0080 (Trigger Segment)
Group: Segment Group 5 (TOD) Conditional (Optional)
Level: 1
Usage: Conditional
Max Use: 10
Purpose: To specify terms of delivery or transport

Dependency Notes:

Semantic Notes:

Comments:

Notes: TOD+2++1::4'

Data Element Summary

	<u>Data Element</u>	<u>Component Element</u>	<u>Name</u>	<u>Attributes</u>
M	4055		Terms of delivery or transport function coded Indication whether the terms relate to e.g. price conditions, delivery conditions, transport conditions, or a combination of these	M an..3
		2	Despatch condition	
	C100		Terms of delivery or transport	C
		4053	Terms of delivery or transport, coded Identification of the terms agreed between two parties (e.g. seller/buyer, shipper/carrier) under which a product or service is provided.	C an..3
		3055	Code list responsible agency, coded Code identifying the agency responsible for a code list..	C an..3
3		4	ICC (International Chamber of Commerce)	



Segment: **LOC Reference**
Position: 0080 (Trigger Segment)
Group: Segment Group 5 (TOD) Conditional (Optional)
Level: 1
Usage: Conditional
Max Use: 1
Purpose: To identify a country/place/location/related location one/related location two.

Dependency Notes:

Semantic Notes:

Comments:

Notes: LOC+11+747'

Data Element Summary

	<u>Data Element</u>	<u>Component Element</u>	<u>Name</u>	<u>Attributes</u>
M	3227		Place/location qualifier Code identifying the function of a location.	M an..3
	C517		Location identification	C
		3255	Place/Location identification Identification of the terms agreed between two parties (e.g. seller/buyer, shipper/carrier) under which a product or service is provided.	C an..25



Group: **TDT** Segment Group 6: Terms of Delivery or Transport

Position: 0230

Group:

Level: 1

Usage: Conditional (Optional)

Max Use: 10

Purpose: To specify the transport details such as mode of transport, means of transport, its conveyance reference number and the identification of the means of transport. The segment may be pointed to by the TPL segment.

Segment Summary

	<u>Pos. No.</u>	<u>Seg. ID</u>	<u>Name</u>	<u>Req. Des.</u>	<u>Max. Use</u>	<u>Group: Repeat</u>
M	0240	TDT	Terms of delivery or transport	M	1	



Segment: **TDT Reference**
Position: 0240 (Trigger Segment)
Group: Segment Group 6 (TDT) Conditional (Optional)
Level: 1
Usage: Conditional
Max Use: 1
Purpose: To identify a country/place/location/related location one/related location two.

Dependency Notes:

Semantic Notes:

Comments:

Notes: TDT+12++30+31+:::Northwest Trucking'

Data Element Summary

	<u>Data Element</u>	<u>Component Element</u>	<u>Name</u>	<u>Attributes</u>
M	8051		Transport stage qualifier Code identifying the function of a location.	M an..3
	C220		Mode of transport	C an..25
		8067	Mode of transport coded Coded method of transport used for the carriage of the goods. 10 Carriage by Sea 20 Carriage by Rail 30 Road Haulage 40 Carriage by Air	C an..3
	C228		Transportation means	C
		8179	Type of means of transport Identification of a code list. Refer to D.96A Data Element Dictionary for acceptable code values.	C an..8
	C040		Carrier	
		3128	Carrier name Name of party undertaking or arranging transport of goods between named points	C an..35



Group: **CPS** Segment Group 10: Shipment
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

	<u>Pos. No.</u>	<u>Seg. ID</u>	<u>Name</u>	<u>Req. Des.</u>	<u>Max. Use</u>	<u>Group: Repeat</u>
M	0380	CPS	Consignment Packing Sequence	M	1	
	0410	PAC	Package	C		9999
	0420	MEA	Measurement	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: **Notes:** CPS+1'

Data Element Summary

	<u>Data Element</u>	<u>Component Element</u>	<u>Name</u>	<u>Attributes</u>
M	7164		Hierarchical id. number A unique number assigned by the sender to identify a level within a hierarchical structure.	M an..12



Segment: **PAC** Package
Position: 0410 (Trigger Segment)
Group:
Level: 2
Usage: Mandatory
Max Use: 1
Purpose: A segment specifying the number and type of the packages/physical units and the physical type of packaging for the despatched goods.

Dependency Notes:

Semantic Notes:

Comments:

Notes: PAC+1+:36+201::6*

Data Element Summary

<u>Data Element</u>	<u>Component Element</u>	<u>Name</u>	<u>Attributes</u>
7224		NUMBER OF PACKAGES	C n..8
		Number of individual parts of a shipment either unpacked, or packed in such a way that they cannot be divided without first undoing the packing.	
C531		Package details	C
	7233	Packaging and related information	C an..3
		Code giving packaging, handling and marking related information.	
C202		PACKAGE TYPE	C
		Type of package by name or by code from a specified source.	
	7065	Type of packages identification	C an..17
		Coded description of the form in which goods are presented.	
		201 Pallets	
		CT Cartons	
	3055	Code list responsible agency, coded	C an..3
		Code identifying the agency responsible for a code list.	



Segment: **MEA** Measurements

Position: 0420

Group:

Level: 2

Usage: Conditional (Optional)

Max Use: 10

Purpose: A segment specifying physical measurements of the packages/physical units described in the PAC segment.

Dependency Notes:

Semantic Notes:

Comments:

Notes: MEA+PD+AAB+KGM:5.1'

Data Element Summary

	<u>Data Element</u>	<u>Component Element</u>	<u>Name</u>	<u>Attributes</u>
M	6311		MEASUREMENT APPLICATION QUALIFIER Specification of the application of the physical measurement used. PD Physical dimensions (product ordered) Specified measurement dimensions refer to physical dimensions of a product, material or package.	M an..3
	C502		MEASUREMENT DETAILS Identification of measurement type.	C
		6313	Measurement dimension, coded Specification of the type of dimension to be measured. AAD Total gross weight AAB Unit gross weight	C an..3
	C174		VALUE/RANGE Measurement value and relevant minimum and maximum tolerances in that order.	C
M		6411	Measure unit qualifier Indication of the unit of measurement in which weight (mass), capacity, length, area, volume or other quantity is expressed. KGM Kilogram	M an..3
		6314	Measurement value Value of the measured unit.	C n..18



Group: **CPS** Segment Group 10 Pallet

Position: 0370

Group:

Level: 2

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	
	0410	PAC	Package	C	1	
	0420	MEA	Measurement	C	10	
	0480	PCI	Package Identification	C	1	
	0520	GIN	Goods Identification Number	C	1	



Segment: **CPS** Consignment Packing Sequence
Position: 0380 (Trigger Segment)
Group: Segment Group 10 (Consignment Packing Sequence) Conditional (Optional)
Level: 2
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: **Notes:** CPS+2+1 '

Data Element Summary

	<u>Data Element</u>	<u>Component Element</u>	<u>Name</u>	<u>Attributes</u>
M	7164		Hierarchical id. number A unique number assigned by the sender to identify a level within a hierarchical structure.	M an..12
	7166		Hierarchical parent id Identification number of the next higher hierarchical data segment in a hierarchical structure.	C an..12



Segment: **PAC** Package
Position: 0410 (Trigger Segment)
Group:
Level: 2
Usage: Mandatory
Max Use: 1
Purpose: A segment specifying the number and type of the packages/physical units and the physical type of packaging for the despatched goods.

Dependency Notes:
Semantic Notes:
Comments:

Notes: PAC+1+:36+201::6'

Data Element Summary

<u>Data Element</u>	<u>Component Element</u>	<u>Name</u>	<u>Attributes</u>
7224		NUMBER OF PACKAGES	C n..8
		Number of individual parts of a shipment either unpacked, or packed in such a way that they cannot be divided without first undoing the packing.	
C531		Package details	C
	7233	Packaging and related information	C an..3
		Code giving packaging, handling and marking related information.	
C202		PACKAGE TYPE	C
		Type of package by name or by code from a specified source.	
	7065	Type of packages identification	C an..17
		Coded description of the form in which goods are presented.	
		201 Pallets	
		CT Cartons	
	3055	Code list responsible agency, coded	C an..3
		Code identifying the agency responsible for a code list.	

Code list responsible agency, code
Code identify the agency responsible for code list



Segment: **MEA** Measurements
Position: 0420
Group:
Level: 2
Usage: Conditional (Optional)
Max Use: 10
Purpose: A segment specifying physical measurements of the packages/physical units described in the PAC segment.
Dependency Notes:
Semantic Notes:
Comments:

Notes: MEA+PD+AAB+KGM:5.1'

Data Element Summary

	<u>Data Element</u>	<u>Component Element</u>	<u>Name</u>	<u>Attributes</u>
M	6311		MEASUREMENT APPLICATION QUALIFIER Specification of the application of the physical measurement used. PD Physical dimensions (product ordered) Specified measurement dimensions refer to physical dimensions of a product, material or package.	M an..3
	C502		MEASUREMENT DETAILS Identification of measurement type.	C
		6313	Measurement dimension, coded Specification of the type of dimension to be measured. LN Length dimension WD Width dimension HT Height dimension AAB Unit gross weight [C an..3
	C174		VALUE/RANGE Measurement value and relevant minimum and maximum tolerances in that order.	C
M		6411	Measure unit qualifier Indication of the unit of measurement in which weight (mass), capacity, length, area, volume or other quantity is expressed. KGM Kilogram	M an..3
		6314	Measurement value Value of the measured unit.	C n..18



Segment: PCI Measurements

Position: 0480

Group:

Level: 3

Usage: Conditional (Optional)

Max Use: 10

Purpose: A segment specifying physical measurements of the packages/physical units described in the PAC segment.

Dependency Notes:

Semantic Notes:

Comments:

Notes: PCI+33E'

Data Element Summary

<u>Data Element</u>	<u>Component Element</u>	<u>Name</u>	<u>Attributes</u>
M 4233		Marking instructions	C an..3
		Code indicating instructions on how specified packages or physical units should be market	
	33E	Serial Shipping Container Code (SSCC)	



Segment: **GIN** Goods identity number
Position: 0530
Group:
Level: 3
Usage: Conditional (Optional)
Max Use: 1
Purpose: To give specific identification numbers, either as single numbers or ranges.

Dependency Notes:

Semantic Notes:

Comments:

Notes: GIN+BJ+012345956287302496'

Data Element Summary

	<u>Data Element</u>	<u>Component Element</u>	<u>Name</u>	<u>Attributes</u>
M	7405		Identity number qualifier Identification of the type of set.	M An...3
		BJ	Serial shipping container code	
	C208		Identity number range	M an..35
		7402	Identity Number A value given to an object for identification purposes.	M an..35



Group: CPS Segment Group 10: Carton
Position: 0370
Group:
Level: 3
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

	<u>Pos. No.</u>	<u>Seg. ID</u>	<u>Name</u>	<u>Req. Des.</u>	<u>Max. Use</u>	<u>Group: Repeat</u>
M	0380	CPS	Consignment Packing Sequence	M	1	
	0410	PAC	Package	C		9999
	0420	MEA	Measurement	C		9999
	0480	PCI	Package Identification	C		
	0530	GIN	Goods Identification Number	C		
			Segment group 15: LIN-PIA-IMD-MEA-QTY-ALI			
	0560	LIN	Line Item	M		
	0570	PIA	Additional Product ID	C		
	0580	IMD	Item Description	C		
	0600	QTY	Quantity	C		
	0610	ALI	Additional Information	C		
			Segment Group 16 RFF-DTM	C		10
	0690	RFF		M	1	
	0700	DTM		C		
			Segment Group 20 PCI-DTM-QTY	C		9999
	0840	PCI	Package identification	M	1	
	0850	DTM	Date/time/period	C	5	
	0870	QTY	Quantity			
			Segment Group 22 HAN-FTX-GIN	C		10
		GIN		M	1000	
			Segment Group 23 QVR	C		10
	0890	QVR		M	1	



Segment: **CPS** Consignment Packing Sequence
Position: 0380 (Trigger Segment)
Group: Segment Group 10 (Consignment Packing Sequence) Conditional (Optional)
Level: 3
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: **Notes:** CPS+3+2 '

Data Element Summary

	<u>Data Element</u>	<u>Component Element</u>	<u>Name</u>	<u>Attributes</u>
M	7164		Hierarchical id. number A unique number assigned by the sender to identify a level within a hierarchical structure.	M an..12
	7166		Hierarchical parent id Identification number of the next higher hierarchical data segment in a hierarchical structure.	C an..12



Segment: **PAC** Package
Position: 0410 (Trigger Segment)
Group:
Level: 2
Usage: Mandatory
Max Use: 1
Purpose: A segment specifying the number and type of the packages/physical units and the physical type of packaging for the despatched goods.

Dependency Notes:

Semantic Notes:

Comments:

Notes: PAC+1+:36+201::6*

Data Element Summary

<u>Data Element</u>	<u>Component Element</u>	<u>Name</u>	<u>Attributes</u>
7224		NUMBER OF PACKAGES	C n..8
		Number of individual parts of a shipment either unpacked, or packed in such a way that they cannot be divided without first undoing the packing.	
C531		Package details	C
	7233	Packaging and related information	C an..3
		Code giving packaging, handling and marking related information.	
C202		PACKAGE TYPE	C
		Type of package by name or by code from a specified source.	
	7065	Type of packages identification	C an..17
		Coded description of the form in which goods are presented.	
		CT Cartons	
	3055	Code list responsible agency, coded	C an..3
		Code identifying the agency responsible for a code list.	

Code list responsible agency, code
 Code identify the agency responsible for code list



Segment: **MEA** Measurements

Position: 0420

Group:

Level: 2

Usage: Conditional (Optional)

Max Use: 10

Purpose: A segment specifying physical measurements of the packages/physical units described in the PAC segment.

Dependency Notes:

Semantic Notes:

Comments:

Notes: MEA+PD+AAB+KGM:5.1'

Data Element Summary

	<u>Data Element</u>	<u>Component Element</u>	<u>Name</u>	<u>Attributes</u>
M	6311		MEASUREMENT APPLICATION QUALIFIER Specification of the application of the physical measurement used. PD Physical dimensions (product ordered) Specified measurement dimensions refer to physical dimensions of a product, material or package.	M an..3
	C502		MEASUREMENT DETAILS Identification of measurement type.	C
		6313	Measurement dimension, coded Specification of the type of dimension to be measured. AAB Unit gross weight [C an..3
	C174		VALUE/RANGE Measurement value and relevant minimum and maximum tolerances in that order.	C
M		6411	Measure unit qualifier Indication of the unit of measurement in which weight (mass), capacity, length, area, volume or other quantity is expressed. KGM Kilogram	M an..3
		6314	Measurement value Value of the measured unit.	C n..18



Segment: **PCI** Measurements

Position: 0480

Group:

Level: 3

Usage: Conditional (Optional)

Max Use: 10

Purpose: A segment specifying physical measurements of the packages/physical units described in the PAC segment.

Dependency Notes:

Semantic Notes:

Comments:

Notes: PCI+17+++S::10'

Data Element Summary

<u>Data Element</u>	<u>Component Element</u>	<u>Name</u>	<u>Attributes</u>
M 4233		Marking instructions	C an..3
		Code indicating instructions on how specified packages or physical units should be market	
	33E	Serial Shipping Container Code (SSCC)	



Segment: **GIN** Goods identity number
Position: 0530
Group:
Level: 4
Usage: Conditional (Optional)
Max Use: 1
Purpose: To give specific identification numbers, either as single numbers or ranges.

Dependency Notes:

Semantic Notes:

Comments:

Notes: GIN+BJ+012345956287302496'

Data Element Summary

	<u>Data Element</u>	<u>Component Element</u>	<u>Name</u>	<u>Attributes</u>
M	7405		Identity number qualifier Identification of the type of set.	M An...3
		BJ	Serial shipping container code	
	C208		Identity number range	M an..35
		7402	Identity Number A value given to an object for identification purposes.	M an..35



Group: **LIN-ALI** Segment Group 15 Line item
Position: 0550
Group:
Level: 2
Usage: Conditional (Optional)
Max Use: 10
Purpose: A group of segments providing line item details pertaining to a shipment

Segment Summary

	<u>Pos. No.</u>	<u>Seg. ID</u>	<u>Name</u>	<u>Req. Des.</u>	<u>Max. Use</u>	<u>Group: Repeat</u>
M	0560	LIN	Line item	M	1	
	0570	PIA	Additional product id	C	10	
	0580	IMD	Item description	C	25	
	0600	QTY	Quantity	C	10	
	0610	ALI	Additional information	C	10	



Segment: **LIN** Line Item
Position: 0560 (Trigger Segment)
Group:
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:

Notes: LIN+1+++4001895412790:EN'

Data Element Summary

<u>Data Element</u>	<u>Component Element</u>	<u>Name</u>	<u>Attributes</u>
1082		LINE ITEM NUMBER Serial number designating each separate item within a series of articles.	C n..6
C212		ITEM NUMBER IDENTIFICATION	C
	7140	Item number A number allocated to a group or item.	C an..35
	7143	Item number type, coded Identification of the type of item number. EN International Article Numbering Association (EAN) Number assigned to a manufacturer's product according to the International Article Numbering Association.	C an..3
1222		Configuration level Number indicating the level of an object which is in a hierarch.	C n..3



Segment: **PIA** Additional Product ID

Position: 0570 (Trigger Segment)

Group:
Level: 2

Usage: Optional

Max Use: 1

Purpose: A segment to specify additional or substitutional item identification codes

Dependency Notes:

Semantic Notes:

Comments:

Notes: PIA+1+6560109:BP::92'

Data Element Summary

<u>Data Element</u>	<u>Component Element</u>	<u>Name</u>	<u>Attributes</u>
4347		Product id. Function qualifier Indication of the function of the product code. 1 Additional information	M an..3
C212		ITEM NUMBER IDENTIFICATION Goods identification for a specified source.	M
	7140	Item number A number allocated to a group or item.	C an..35
	7143	Item number type, coded Identification of the type of item number. BP Buyer's part number SA Supplier article number	C an..3
	3055	Code list responsible agency, coded Code identifying the agency responsible for a code list.	C an..3



Segment: **IMD** Item Description
Position: 0580
Group:
Level: 2
Usage: Conditional (Optional)
Max Use: 25
Purpose: A segment for describing the product or service being delivered as well as product characteristic. This segment should be used for products or services that cannot be fully identified by a product code or article number.

Dependency Notes:

Semantic Notes: `IMD+F+++:::ITEM DESCRIPTION'`

Comments:

Data Element Summary

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



Segment: **QTY** Quantity
Position: 0600
Group:
Level: 2
Usage: Conditional (Optional)
Max Use: 10
Purpose: A segment to give quantity information concerning the product.
Dependency Notes:
Semantic Notes:
Comments:

Notes: QTY+12:100:PCE'

Data Element Summary

	<u>Data Element</u>	<u>Component Element</u>	<u>Name</u>	<u>Attributes</u>
M	C186		QUANTITY DETAILS Quantity information in a transaction, qualified when relevant.	M
M		6063	Quantity qualifier Code giving specific meaning to a quantity.	M an..3
		12	Despatch quantity	
			Quantity despatched by the seller.	
		52	Quantity per pack	
		59	Numbers of consumer units in the traded unit	
M		6060	Quantity Numeric value of a quantity	M n..15
		6411	Measure unit qualifier Indication of the unit of measurement in which wight (mass), capacity, length, area, volume or other quantity is expressed.	C an..3



Segment: **ALI** Additional Information
Position: 0610
Group:
Level: 2
Usage: Conditional (Optional)
Max Use: 10
Purpose: A segment to give quantity information concerning the product.
Dependency Notes:
Semantic Notes:
Comments:

Notes: ALI+ES

Data Element Summary

<u>Data Element</u>	<u>Component Element</u>	<u>Name</u>	<u>Attributes</u>
M 3239		Country of origin, coded Country in which the goods have been produced or manufactured, according to criteria laid down for the purposes of application of the Customs tariff, of quantitative restrictions, or of any other measure related to trade.	M an..3



Group: **RFF/DTM** Segment Group 16 Reference Date/Time
Position: 0680
Group:
Level: 3
Usage: Conditional (Optional)
Max Use: 10
Purpose: A group of segments providing reference and date/times related to a specific shipment

Segment Summary

	<u>Pos. No.</u>	<u>Seg. ID</u>	<u>Name</u>	<u>Req. Des.</u>	<u>Max. Use</u>	<u>Group: Repeat</u>
M	0690	RFF	Reference	M	1	
	0700	DTM	Date/time/period	C	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 for referencing documents relating to the whole despatch advice message, e.g. purchase orders, delivery instructions, import/export license.

Dependency Notes:

Semantic Notes:

Comments:

Notes: RFF+ON:13079136

Data Element Summary

	<u>Data Element</u>	<u>Component Element</u>	<u>Name</u>	<u>Attributes</u>
M	C506		REFERENCE Identification of a reference.	M
M		1153	Reference qualifier Code giving specific meaning to a reference segment or a reference number. DQ Delivery note number ON Order number (purchase)	M an..3
		1154	Reference number Identification number the nature and function of which can be qualified by an entry in data element 1153 Reference qualifier.	C an..35



Segment: **DTM** Date/Time/Period
Position: 0700
Group: Segment group 16 Conditional (Optional)
Level: 3
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:

Notes: DTM+171+20140321:102'

Data Element Summary

	<u>Data Element</u>	<u>Component Element</u>	<u>Name</u>	<u>Attributes</u>
M	C507		DATE/TIME/PERIOD Date and/or time, or period relevant to the specified date/time/period type.	M
M		2005	Date/time/period qualifier Code giving specific meaning to a date, time or period. 171 Reference date/time	M an..3
		2380	Date/time/period The value of a date, a date and time, a time or of a period in a specified representation.	C an..35
		2379	Date/time/period format qualifier 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.	C an..3



Group: **PCI** Segment Group 20 Package identification
Position: 0840
Group:
Level: 3
Usage: Conditional (Optional)
Max Use: 10
Purpose: A group of segments providing reference and date/times related to a specific shipment

Segment Summary

	<u>Pos. No.</u>	<u>Seg. ID</u>	<u>Name</u>	<u>Req. Des.</u>	<u>Max. Use</u>	<u>Group: Repeat</u>
M	0840	PCI	Package identification	M	1	
	0850	DTM	Date/time/period	C	5	



Segment: **PCI** **Measurements**

Position: 0840

Group:

Level: 3

Usage: Conditional (Optional)

Max Use: 10

Purpose: A segment specifying physical measurements of the packages/physical units described in the PAC segment.

Dependency Notes:

Semantic Notes:

Comments:

Notes: **PCI+17'**

Data Element Summary

<u>Data Element</u>	<u>Component Element</u>	<u>Name</u>	<u>Attributes</u>
M 4233		Marking instructions	C an..3
		Code indicating instructions on how specified packages or physical units should be market	
	17	Seller's instructions	



Segment: **DTM** Date/Time/Period

Position: 0850

Group:

Level: 3

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:

Notes: DTM+36+20240825:102'

Data Element Summary

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



Group: **GIN** **Segment Group 22 HAN-FTX-GIN**
Position: 0910
Group:
Level: 4
Usage: Conditional (Optional)
Max Use: 10
Purpose: A group of segments providing handling instructions and goods identification for a shipment

Segment Summary

	<u>Pos. No.</u>	<u>Seg. ID</u>	<u>Name</u>	<u>Req. Des.</u>	<u>Max. Use</u>	<u>Group: Repeat</u>
M	0940	GIN	Goods identity number	C	1000	



Segment: **GIN** Goods identity number
Position: 0940
Group:
Level: 4
Usage: Conditional (Optional)
Max Use: 1
Purpose: To give specific identification numbers, either as single numbers or ranges.

Dependency Notes:

Semantic Notes:

Comments:

Notes: GIN+BX+BATCH NUMBER'

Data Element Summary

	<u>Data Element</u>	<u>Component Element</u>	<u>Name</u>	<u>Attributes</u>
M	7405		Identity number qualifier Identification of the type of set.	M An...3
		BX	Batch number	
	C208		Identity number range	M an..35
		7402	Identity Number A value given to an object for identification purposes.	M an..35



Group: **QVR** **Segment Group 23** **QVR-DTM**
Position: 0910
Group:
Level: 3
Usage: Conditional (Optional)
Max Use: 10
Purpose: A group of segments providing handling instructions and goods identification for a shipment

Segment Summary

	<u>Pos. No.</u>	<u>Seg. ID</u>	<u>Name</u>	<u>Req. Des.</u>	<u>Max. Use</u>	<u>Group: Repeat</u>
M	0960	QVR	Quantity variances	M	1	



Segment: **QVR** Quantity variances
Position: 0960
Group:
Level: 3
Usage: Conditional (Optional)
Max Use: 10
Purpose: To specify item details relating to quantity variances..
Dependency Notes:
Semantic Notes:
Comments:

Notes: **QVR+0:12+CC'**

Data Element Summary

<u>Data Element</u>	<u>Component Element</u>	<u>Name</u>	<u>Attributes</u>
M	C279	Quantity difference information	C
	6064	Quantity difference Numeric value of variance between ordered/shipped/invoiced quantities.	M an...15
	6063	Quantity identifier Code giving specific meaning to a quantity.	C an...3
	4221	12 Despatch quantity Discrepancy, coded Code defining the disposition of any difference between the quantity ordered and invoiced, or shipped and invoiced for a line item or transaction.	C an...3
		CC Full shipment	
		BP Partial shipment	



Segment: **CNT** Control total
Position: 0980
Group:
Level: 0
Usage: Mandatory
Max Use: 1
Purpose: To provide control total
Dependency Notes:
Semantic Notes:
Comments: **CNT+1+10'**

Data Element Summary

	<u>Data Element</u>	<u>Component Element</u>	<u>Name</u>	<u>Attributes</u>
M	C270		Control Control count of number of segments in a message.	M
M		6069	Control qualifier Determines the source data elements in the message which forms the bases for 6066 control value 1 Algebraic total of the quantity values in line items in a message	M an..14
		6066	Control value Value obtained from summing the values specified by the Control Qualifier throughout the message (hash total)	C an..3



Segment: **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

	<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



Sample D96A DESADV

BGM+351+2729169T8S+9'
DTM+137:20240529:102'
DTM+17:20240602:102'
MEA+AAX+AAB+KGM:3'
RFF+ON:13079136'
DTM+171+20240529:102'
NAD+BY+16016334:::9++BUYER NAME+BUYER ADDRESS+HAMBURG++34567+DE'
TOD+2++1:::4'
LOC+11+747'
TDT+12++30+31+:::Northwest Trucking'CPS+1'
CPS+1'
PAC+1+:36+201::6'
MEA+PD+AAB+KGM:5.1'
CPS+2+1
PAC+1+:36+201::6'
MEA+PD+AAB+KGM:5.1'
PCI+33E'
GIN+BJ+012345956287302496'
CPS+3+2
PAC+1+:36+201::6'
MEA+PD+AAB+KGM:5.1'
CPS+2+1
PAC+1+:36+201::6'
MEA+PD+AAB+KGM:5.1'
PCI+33E'
GIN+BJ+012345956287302496'
LIN+1+++4001895412790:EN'
PIA+1+6560109:BP::92'
IMD+F++:::ITEM DESCRIPTION'
QTY+12:100:PCE'
ALI+ES'
RFF+DQ:24658
DTM+171+20240501:102'
PCI+17'
DTM+36+20240825:102'
GIN+BX+BATCH NUMBER'
QVR+0:12+CC'
CNT+12+100'
UNT+39+00000000002136'