

3M EDI EDIFACT D96A ORDERS Purchase Order

Introduction

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

The EDIFACT version presented in this guideline is D96A.

Key Points

- Customer Item or Service Identifiers should be identified using the following qualifiers
 - AL UPC (Universal Product Code) Shipping container code (1-2-5-5)
 - BP Buyer Part Number
 - EN EAN 2-5-5-1
 - IN Buyers Item Number
 - SA Supplier Article Number
 - SK SKU
 - UK U.P.C./EAN Shipping Container Code (1-2-5-5-1)
 - UP U.P.C. Consumer Package Code (1-5-5-1)
 - VP Vendor's (Seller's) Part Number
- Customers may use '+' '}' and ':' as separators
- Customers should only send original PO via the ORDERS transaction set. Any changes to a customers PO should be sent via ORDCHG
- Customer should only apply Contract in the RFF segment at the Heading level when that contract applies to all lines. If there are multiple contracts on a purchase order, the customer should provide Contract at the Detail level.
- FTX notes will impact how this information is routed in 3M supply chain. AAI is simply general notes applied to the order. GEN, PUR and ZZZ notes will be applied to your customer order and DEL will flow to fulfillment operations for to inform picking/packing and shipping.



ORDERS Purchase Order Message

Introduction:

A message specifying details for goods or services ordered under conditions agreed between the seller and the buyer.

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	35		
	0050	ALI	Additional Information	C	5		
	0070	FTX	Free Text	C	99		
	0080		Segment Group 1: RFF-DTM	C		10	
M	0090	RFF	Reference	M	1		
	0100	DTM	Date/Time/Period	C	5		
	0110		Segment Group 2: NAD-SG3-SG5	C		99	
M	0120	NAD	Name and Address	M	1		
	0150		Segment Group 3: RFF	C		10	
M	0160	RFF	Reference	M	1		
	0210		Segment Group 5: CTA-COM	C		5	
M	0220	CTA	Contact Information	M	1		
	0230	COM	Communication Contact	C	5		
	0240		Segment Group 6: TAX	C		5	
	0250	TAX	Duty/tax/fee details	M	1		
	0280		Segment Group 7: CUX	C		5	
M	0290	CUX	Currencies	M	1		
	0370		Segment Group 9: TDT	C		10	
M	0380	TDT	Details of Transport	M	1		
	0420		Segment Group 11: TOD-LOC	C		5	
M	0430	TOD	Terms of Delivery or Transport	M	1		
	0440	LOC	Place/Location Identification	C	2		
	0690		Segment Group 18: ALC-SG20	C		15	
M	0700	ALC	Allowance or Charge	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>
	0930		Segment Group 25: LIN-PIA-IMD-MEA-QTY-DTM-MOA-FTX-SG27-SG28-SG29-SG30-SG33-SG34-SG35-SG39	C		200000	
M	0940	LIN	Line Item	M	1		
	0950	PIA	Additional Product Id	C	25		
	0960	IMD	Item Description	C	99		
	0980	QTY	Quantity	C	10		
	1010	DTM	Date/Time/Period	C	35		
	1020	MOA	Monetary Amount	C	10		
	1080	FTX	Free Text	C	99		
	1180		Segment Group 28: PRI-CUX	C		25	
M	1190	PRI	Price Details	M	1		
	1200	CUX	Currencies	C	1		
	1240		Segment Group 29: RFF-DTM	C		10	
M	1250	RFF	Reference	M	1		
	1260	DTM	Date/Time/Period	C	5		
	1400		Segment Group 33: LOC	C		9999	
M	1410	LOC	Place/Location Identification	M	1		
	1440		Segment Group 34: TAX	C		10	
M	1450	TAX	Duty/Tax/Fee Details	M	1		
	1600		Segment Group 39: ALC-SG41-SG42	C		99	
M	1610	ALC	Allowance or Charge	M	1		
	1700		Segment Group 42: MOA	C		2	
M	1710	MOA	Monetary Amount	M	1		

Section Control:

	<u>Pos. No.</u>	<u>Seg. ID</u>	<u>Name</u>	<u>Req. Des.</u>	<u>Max.Use</u>	<u>Group Repeat</u>	<u>Notes and Comments</u>
M	2090	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>
	2100	MOA	Monetary Amount	C	12		
	2110	CNT	Control Total	C	10		
M	2160	UNT	Message Trailer	M	1		



Segment: **UNH** Message Header
Position: 0010
Group:
Level: 0
Usage: Mandatory
Max Use: 1
Purpose: A service segment starting and uniquely identifying a message. The message type code for the Purchase order message is ORDERS.
 Note: Purchase order messages conforming to this document must contain the following data in segment UNH, composite S009:
 Data element 0065 ORDERS 0052 D 0054 96A 0051 UN

Notes: UNH+1+ORDERS:D:96A:UN:EAN008'
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. ORDERS Purchase order message Message specifying details for goods or services ordered under conditions agreed between the seller and the buyer.	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
	S010		STATUS OF THE TRANSFER Statement that the message is one in a sequence of transfers relating to the same topic.	C
M		0070	Sequence message transfer number Number assigned by the sender indicating that the message is an addition or change of a previously sent message relating to the same topic.	M n..2



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

Notes: **BGM+220:9+45215+9**

Data Element Summary

<u>Data Element</u>	<u>Component Element</u>	<u>Name</u>	<u>Attributes</u>
C002		DOCUMENT/MESSAGE NAME Identification of a type of document/message by code or name. Code preferred.	C
	1001	Document/message name, coded Document/message identifier expressed in code.	C an..3
		220 Order Document/message by means of which a buyer initiates a transaction with a seller involving the supply of goods or services as specified, according to conditions set out in an offer, or otherwise known to the buyer.	
		221 Blanket Order	
		224 Rush Order	
		227 Consigned Order Document/message ordering the remainder of a production's batch.	
		226 Document/message for urgent ordering. Call Off Order	
		105 Purchase Order	
	3055	Code list responsible agency, coded Code identifying the agency responsible for a code list.	C an..3
		9 EAN (International Article Numbering association)	
1004		DOCUMENT/MESSAGE NUMBER Reference number assigned to the document/message by the issuer.	C an..35
1225		MESSAGE FUNCTION, CODED Code indicating the function of the message.	C an..3
		9 Original Initial transmission related to a given transaction.	



Segment: **DTM** Date/Time/Period
Position: 0030
Group:
Level: 1
Usage: Mandatory
Max Use: 35
Purpose: A segment specifying general dates and, when relevant, times related to the whole message. The segment must be specified at least once to identify the order date. Examples of the use of this DTM segment are: Lead times that apply to the whole of the Order and, if no schedule is to be specified, the delivery date. The Date/time/period segment within other Segment group should be used whenever the date/time/period requires to be logically related to another specified data item. e.g. Payment due date is specified within the PAT Segment group.

Dependency Notes:
Semantic Notes:
Comments:
Notes: **DTM+2: 20240507:102'**

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.	M an..3
			2 Delivery requested	
			37 Ship not before (date/time)	
			38 Ship not later than (date/time)	
			61 Cancel if not delivered by this date	
			64 Delivery date/time, earliest	
			71 Delivery date/time, requested for (after and including)	
			74 Delivery date/time, requested for (prior to and including)	
			75 Delivery date/time, promised for (prior to and including)	
			137 Document/message date/time	
			163 Processing start date/time	
			171 Reference date/time	
		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.	C an..3
			102 CCYYMMDD Calendar date: C = Century ; Y = Year ; M = Month ; D = Day.	



Segment: **ALI** Additional Information
Position: 0050
Group:
Level: 1
Usage: Conditional (Optional)
Max Use: 5
Purpose: A segment indicating special conditions related to the total order owing to origin, customs preference or other commercial factors.

Dependency Notes:

Semantic Notes:

Comments:

Notes: ALI+90'

Data Element Summary

<u>Data Element</u>	<u>Component Element</u>	<u>Name</u>	<u>Attributes</u>
4183		SPECIAL CONDITIONS, CODED Indication of a specific condition.	C an..3



Segment: **FTX** Free Text
Position: 0070
Group:
Level: 1
Usage: Conditional (Optional)
Max Use: 99
Purpose: A segment with free text information, in coded or clear form, used when additional information is needed but cannot be accommodated within other segments. In computer to computer exchanges such text will normally require the receiver to process this segment manually.

Dependency Notes:

Semantic Notes:

Comments: The qualifier you select in 4151 will impact how this information is routed in 3M supply chain. AAI is simply general notes applied to the order. GEN, PUR and ZZZ notes will be applied to your customer order and DEL will flow to fulfillment operations for to inform picking/packing and shipping.

Notes: **FTX+DEL+1+Please deliver to eastern most loading doc at Hamburg warehouse'**

Data Element Summary

<u>Data Element</u>	<u>Component Element</u>	<u>Name</u>	<u>Attributes</u>
M 4451		TEXT SUBJECT QUALIFIER Code specifying subject of a free text. AAI General information DEL Delivery information GEN Entire transaction set ORI Order instruction PUR Purchasing information ZZZ Mutually defined	M an..3
	4453	TEXT FUNCTION, CODED Code specifying how to handle the text. 1 Text for subsequent use The occurrence of this text does not affect message processing.	C an..3
	C107	TEXT REFERENCE Coded reference to a standard text and its source.	C
M	4441	Free text, coded Free text in coded form.	M an..3
	3055	Code list responsible agency, coded Code identifying the agency responsible for a code list. 60 Assigned by national trade agency The code list is from a national agency.	C an..3



	C108	TEXT LITERAL Free text; one to five lines.	C
M	4440	Free text Free text field available to the message sender for information.	M an..70
	4440	Free text Free text field available to the message sender for information.	C an..70
	4440	Free text Free text field available to the message sender for information.	C an..70
	4440	Free text Free text field available to the message sender for information.	C an..70
	4440	Free text Free text field available to the message sender for information.	C an..70
	3453	LANGUAGE, CODED Code of language (ISO 639-1988).	C an..3



Group: **RFF** Segment Group 1: Reference
Position: 0080
Group:
Level: 1
Usage: Conditional (Optional)
Max Use: 10
Purpose: A group of segments for giving references and where necessary, their dates, relating to the whole message e.g. contract number, import/export license number, reservation 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	0090	RFF	Reference	M	1	
	0100	DTM	Date/Time/Period	C	5	



Segment: **RFF** Reference
Position: 0090 (Trigger Segment)
Group: Segment Group 1 (Reference) Conditional (Optional)
Level: 1
Usage: Mandatory
Max Use: 1
Purpose: A segment identifying the reference by its number and where appropriate a line number within a document.
Dependency Notes:
Semantic Notes:
Comments:
Notes: **RFF+ON:4562155'**

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.	M an..3																																				
			<table border="1"> <thead> <tr> <th><u>Code</u></th> <th><u>Name</u></th> </tr> </thead> <tbody> <tr><td>CO</td><td>Buyer Order Number</td></tr> <tr><td>CR</td><td>Customer Reference Number</td></tr> <tr><td>CT</td><td>Contract Number</td></tr> <tr><td>DP</td><td>Department Number</td></tr> <tr><td>IA</td><td>Internal Vendor Number</td></tr> <tr><td>ON</td><td>Order number</td></tr> <tr><td>PD</td><td>Promotion Deal Number</td></tr> <tr><td>PR</td><td>Price Quote Number</td></tr> <tr><td>PW</td><td>Prior Purchase Order Number</td></tr> <tr><td>VN</td><td>Order number (vendor)</td></tr> <tr><td>BC</td><td>Buyer Contract Number</td></tr> <tr><td>DI</td><td>Distributor Invoice Number</td></tr> <tr><td>SD</td><td>Sales Department Number</td></tr> <tr><td>VR</td><td>Vendor ID Number</td></tr> <tr><td>IT</td><td>Internal Customer Number</td></tr> <tr><td>VA</td><td>VAT Registration Number</td></tr> <tr><td>VN</td><td>Vendor Order Number</td></tr> </tbody> </table>	<u>Code</u>	<u>Name</u>	CO	Buyer Order Number	CR	Customer Reference Number	CT	Contract Number	DP	Department Number	IA	Internal Vendor Number	ON	Order number	PD	Promotion Deal Number	PR	Price Quote Number	PW	Prior Purchase Order Number	VN	Order number (vendor)	BC	Buyer Contract Number	DI	Distributor Invoice Number	SD	Sales Department Number	VR	Vendor ID Number	IT	Internal Customer Number	VA	VAT Registration Number	VN	Vendor Order Number	
<u>Code</u>	<u>Name</u>																																							
CO	Buyer Order Number																																							
CR	Customer Reference Number																																							
CT	Contract Number																																							
DP	Department Number																																							
IA	Internal Vendor Number																																							
ON	Order number																																							
PD	Promotion Deal Number																																							
PR	Price Quote Number																																							
PW	Prior Purchase Order Number																																							
VN	Order number (vendor)																																							
BC	Buyer Contract Number																																							
DI	Distributor Invoice Number																																							
SD	Sales Department Number																																							
VR	Vendor ID Number																																							
IT	Internal Customer Number																																							
VA	VAT Registration Number																																							
VN	Vendor Order Number																																							
		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: 0100
Group: Segment Group 1 (Reference) Conditional (Optional)
Level: 2
Usage: Conditional (Optional)
Max Use: 5
Purpose: A segment specifying the date/time related to the reference.

Dependency Notes:

Semantic Notes:

Comments:

Notes: **DTM+171+ 20240407+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	
			Date/time on which the reference was issued.	
		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: 0110
Group:
Level: 1
Usage: Conditional (Optional)
Max Use: 99
Purpose: A group of segments identifying the parties with associated 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	0120	NAD	Name and Address	M	1	
	0150		Segment Group 3: Reference	C		10
	0210		Segment Group 5: Contact Information	C		5



Segment: **NAD** Name and Address
Position: 0120 (Trigger Segment)
Group: Segment Group 2 (Name and Address) Conditional (Optional)
Level: 1
Usage: Mandatory
Max Use: 1
Purpose: A segment identifying names and addresses of the parties, in coded or clear form, and their functions relevant to the order. Identification of the seller and buyer parties is mandatory for the order message. It is recommended that where possible only the coded form of the party ID should be specified e.g. The Buyer and Seller are known to each other, thus only the coded ID is required, but the Consignee or Delivery address may vary and would have to be clearly specified, preferably in structured format.

Dependency Notes:

Semantic Notes:

Comments:

Notes: **NAD+BY+16016334:100:92+Bob's Hardware Store 125 Alten Strasse Hamburg, DE 80456'**

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. DP Delivery Party IV Invoicee BY Buyer SE Seller SF Ship From SU Supplier UC Ultimate Consignee UD Ultimate Customer VN Vendor BT Party to be billed for other than freight (bill to) BS Bill and Ship To SN Store Keeper WH Warehouse Keeper	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
		1131	Code list qualifier Identification of a code list. 100 Enhanced party identification	C an..3
		3055	Code list responsible agency, coded Code identifying the agency responsible for a code list. 91 Assigned by Seller or Seller's Agent 92 Assigned by buyer or buyer's agent ZZZ Mutually defined	C an..3



	C058	NAME AND ADDRESS Unstructured name and address: one to five lines.	C
M	3124	Name and address line Free form name and address description.	M an..35
	3124	Name and address line Free form name and address description.	C an..35
	3124	Name and address line Free form name and address description.	C an..35
	3124	Name and address line Free form name and address description.	C an..35
	3124	Name and address line Free form name and address description.	C an..35
	C080	PARTY NAME Identification of a transaction party by name, one to five lines. Party name may be formatted.	C
M	3036	Party name Name of a party involved in a transaction.	M an..35
	3036	Party name Name of a party involved in a transaction.	C an..35
	3036	Party name Name of a party involved in a transaction.	C an..35
	3036	Party name Name of a party involved in a transaction.	C an..35
	3036	Party name Name of a party involved in a transaction.	C an..35
	3045	Party name format, coded Specification of the representation of a party name.	C an..3
	C059	STREET Street address and/or PO Box number in a structured address: one to three lines.	C
M	3042	Street and number/p.o. box Street and number in plain language, or Post Office Box No.	M an..35
	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
	3042	Street and number/p.o. box Street and number in plain language, or Post Office Box No.	C an..35
	3164	CITY NAME Name of a city (a town, a village) for addressing purposes.	C an..35
	3229	COUNTRY SUB-ENTITY IDENTIFICATION Identification of the name of sub-entities (state, province) defined by appropriate governmental agencies.	C an..9
	3251	POSTCODE IDENTIFICATION Code defining postal zones or addresses.	C an..9
	3207	COUNTRY, CODED Identification of the name of a country or other geographical entity as specified in ISO 3166.	C an..3



Group: **RFF** Segment Group 3: Reference
Position: 0150
Group: Segment Group 2 (Name and Address) Conditional (Optional)
Level: 2
Usage: Conditional (Optional)
Max Use: 10
Purpose: A group of segments giving references only relevant to the specified party rather than the whole order.

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	0160	RFF	Reference	M	1	



Segment: **RFF** Reference

Position: 0160 (Trigger Segment)

Group: Segment Group 3 (Reference) Conditional (Optional)

Level: 2

Usage: Mandatory

Max Use: 1

Purpose: A segment identifying the reference by its number and where appropriate a line number within a document.

Dependency Notes:

Semantic Notes:

Comments:

Notes: **RFF+BC:303-775-5678'**

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.	M an..3
			CO Buyer Order Number	
			CR Customer Reference Number	
			CT Contract Number	
			DP Department Number	
			IA Internal Vendor Number	
			ON Order number	
			PD Promotion Deal Number	
			PR Price Quote Number	
			PW Prior Purchase Order Number	
			VN Order number (vendor)	
			BC Buyer Contract Number	
			DI Distributor Invoice Number	
			SD Sales Department Number	
			VA VAT Registration Number	
			VR Vendor ID Number	
			IT Internal Customer Number	
			VN Vendor Order Number	
			VA VAT Registration Number	
		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



Group: **CTA** Segment Group 5: Contact Information

Position: 0210

Group: Segment Group 2 (Name and Address) Conditional (Optional)

Level: 1

Usage: Conditional (Optional)

Max Use: 5

Purpose: A group of segments giving contact details of the specific person or department within the party identified in the NAD 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	0220	CTA	Contact Information	M	1	
	0230	COM	Communication Contact	C	5	



Segment: **CTA** **Contact Information**
Position: 0220 (Trigger Segment)
Group: Segment Group 5 (Contact Information) Conditional (Optional)
Level: 1
Usage: Mandatory
Max Use: 1
Purpose: A segment to identify a person or department, and their function, to whom communications should be directed.
Dependency Notes:
Semantic Notes:
Comments:
Notes: **CTA+DL+545346+DALE JONES'**

Data Element Summary

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



Segment: **COM** Communication Contact
Position: 0230
Group: Segment Group 5 (Contact Information) Conditional (Optional)
Level: 2
Usage: Conditional (Optional)
Max Use: 5
Purpose: A segment to identify a communications type and number for the contact specified in the CTA segment.

Dependency Notes:

Semantic Notes:

Comments:

Notes: COM+303-725-5648:TE'

Data Element Summary

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



Group: **TAX** Segment Group 6: Duty/Tax/Fee Details
Position: 0240
Group:
Level: 1
Usage: Conditional (Optional)
Max Use: 5
Purpose: A group of segments specifying tax related information, and when necessary, the location(s) to which that tax information relates.

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	0250	TAX	Duty/Tax/Fee Details	M	1	



Segment: **TAX** Duty/Tax/Fee Details
Position: 1450 (Trigger Segment)
Group: Segment Group 6 (Duty/Tax/Fee Details) Conditional (Optional)
Level: 1
Usage: Mandatory
Max Use: 1
Purpose: A segment specifying a tax type, category and rate, or exemption, relating to the line item.
Dependency Notes:
Semantic Notes:
Comments:
Notes: TAX+7+VAT++125456+16.4'

Data Element Summary

	<u>Data Element</u>	<u>Component Element</u>	<u>Name</u>	<u>Attributes</u>
M	5283		DUTY/TAX/FEE FUNCTION QUALIFIER Code identifying the function of an duty, tax or fee information. 7 Tax Contribution levied by an authority.	M an..3
	C241		DUTY/TAX/FEE TYPE Code and/or name identifying duty, tax or fee.	C
		5153	Duty/tax/fee type, coded Identification of the type of duty or tax or fee applicable to commodities or of tax applicable to services. VAT Value added tax A tax on domestic or imported goods applied to the value added at each stage in the production/distribution cycle.	C an..3
	C243		DUTY/TAX/FEE DETAIL Rate of duty/tax/fee applicable to commodities or of tax applicable to services.	C
X		5279	Duty/tax/fee rate identification	C an..7
		5278	Duty/tax/fee rate Rate of duty or tax or fee applicable to commodities or of tax applicable to services.	C an..17
	5305		DUTY/TAX/FEE CATEGORY, CODED Code identifying a tax/duty/fee category within a tax/duty/fee type system. S Standard rate	C an..3



Group: **CUX** Segment Group 7: Currencies
Position: 0280
Group:
Level: 1
Usage: Conditional (Optional)
Max Use: 5
Purpose: A group of segments specifying the currencies and related dates/periods valid for the whole order. Currency data may be omitted in national applications but will be required for international transactions.

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	0290	CUX	Currencies	M	1	



Segment: **CUX** Currencies
Position: 0290 (Trigger Segment)
Group: Segment Group 7 (Currencies) Conditional (Optional)
Level: 1
Usage: Mandatory
Max Use: 1
Purpose: A segment identifying the currencies required in the order e.g. the order currency. A rate of exchange may be given to convert a reference currency into a target currency.

Dependency Notes:

Semantic Notes:

Comments:

Notes: CUX+2:EUR'

Data Element Summary

<u>Data Element</u>	<u>Component Element</u>	<u>Name</u>	<u>Attributes</u>
M	6347	CURRENCY DETAILS	C
		The usage to which a currency relates.	
		Currency details qualifier	M an..3
		Specification of the usage to which the currency relates.	
		2 Reference currency	
	7	The currency applicable to amounts stated. It may have to be converted.	
		Currency of the account	
		Currency in which the account is held.	
	6345	Currency, coded	C an..3
		Identification of the name or symbol of the monetary unit involved in the transaction.	



Group: **TDT** Segment Group 9: Details of Transport
Position: 0370
Group:
Level: 1
Usage: Conditional (Optional)
Max Use: 10
Purpose: A group of segments identifying the mode and means of transport, location and relevant dates and times for transportation, relating to the whole order.

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	TDT	Details of Transport	M	1	



Segment: **TDT** Details of Transport
Position: 0380 (Trigger Segment)
Group: Segment Group 9 (Details of Transport) Conditional (Optional)
Level: 1
Usage: Mandatory
Max Use: 1
Purpose: A segment specifying the mode, means and identification of the transport for the goods being ordered. If required, the carrier's address should be indicated within the NAD Segment group.

Dependency Notes:
Semantic Notes:
Comments:
Notes:

TDT+12++30+31+121212::9:NW Transport'

Data Element Summary

	<u>Data Element</u>	<u>Component Element</u>	<u>Name</u>	<u>Attributes</u>
M	8051		TRANSPORT STAGE QUALIFIER Qualifier giving a specific meaning to the transport details.	M an..3
		1	Inland transport	
		2	At the Statistical Territory Limit	
		10	Pre-Carriage Transport	
		11	At border	
		12	At Departure	
		13	At Destination	
		25	Delivery carrier all transport	
		21	Main carriage - first carrier	
		20	Main-carriage transport	
		22	Main carriage - second carrier	
		23	Main carriage - third carrier	
		30	On-Carriage transport	
	C220		MODE OF TRANSPORT Method of transport code or name. Code preferred.	C
		8067	Mode of transport, coded Coded method of transport used for the carriage of the goods.	C an..3
	C228		TRANSPORT MEANS Code and/or name identifying the type of means of transport.	C
		8179	Type of means of transport identification Code defining the type of the means of transport being utilized.	C an..8
		31	Truck	
		3	Dry bulk carrier	



C040	CARRIER	C
	Identification of a carrier by code and/or by name. Code preferred.	
3127	Carrier identification	C an..17
	Identification of party undertaking or arranging transport of goods between named points.	
3055	Code list responsible agency, coded	C an..3
	Code identifying the agency responsible for a code list.	
	9 EAN (International Article Numbering association)	
	91 Assigned by seller or seller's agent	
	92 Assigned by buyer or buyer's agent	
	ZZZ Mutually Defined PO	
3128	Carrier name	C an..35
	Name of party undertaking or arranging transport of goods between named points.	



Group: **TOD** Segment Group 11: Terms of Delivery or Transport
Position: 0420
Group:
Level: 1
Usage: Conditional (Optional)
Max Use: 5
Purpose: A group of segments indicating the terms of delivery for the whole order.

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	0430	TOD	Terms of Delivery or Transport	M	1	
	0440	LOC	Place/Location Identification	C	2	



Segment: **TOD** Terms of Delivery or Transport
Position: 0430 (Trigger Segment)
Group: Segment Group 11 (Terms of Delivery or Transport) Conditional (Optional)
Level: 1
Usage: Mandatory
Max Use: 1
Purpose: A segment identifying the delivery terms to be used e.g. UN INCOTERMS code could be used to specify the delivery terms.

Notes: **TOD+1+CC+DAP::4'**

Data Element Summary

<u>Data Element</u>	<u>Component Element</u>	<u>Name</u>	<u>Attributes</u>
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. 1 Price condition 2 Despatch condition 3 Price and despatch condition 4 Collected by customer 5 Transport condition 6 Delivery condition	C an..3
4215		TRANSPORT CHARGES METHOD OF PAYMENT, CODED Identification of method of payment for transport charges. CC Collect PP Prepaid by Seller TP Third Party Pay PC Prepaid but charged to customer	C an..3
C100		TERMS OF DELIVERY OR TRANSPORT Terms of delivery or transport code from a specified source.	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
	1131	Code list qualifier Identification of a code list. Refer to D.96A Data Element Dictionary for acceptable code values.	C an..3
	4052	Terms of delivery or transport Terms agreed between two parties (e.g. seller/buyer, shipper/carrier) under which a product or service is provided.	C an..70



Segment: **LOC** Place/Location Identification
Position: 0440
Group: Segment Group 11 (Terms of Delivery or Transport) Conditional (Optional)
Level: 2
Usage: Conditional (Optional)
Max Use: 2
Purpose: A segment identifying locations relevant to the delivery terms specified in the TOD segment.

Dependency Notes:

Semantic Notes:

Comments:

Notes: **LOC+18+747:18'**

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
			1 Place of terms of delivery	
			7 Place of delivery	
			8 Place of destination	
			11 Place/Port of Discharge	
			18 Warehouse	
			20 Payment place	
			27 Country of origin	
			80 Despatch	
			158 Contact location	
			184 Physical location	
	C517		LOCATION IDENTIFICATION Identification of a location by code or name.	C
		3225	Place/location identification Identification of the name of place/location, other than 3164 City name.	C an..25
		3055	Code list responsible agency, coded Code identifying the agency responsible for a code list.	C an..3
			9 EAN (International Article Numbering association)	
			8 Place of destination	
			18 Warehouse	
			20 Place of Ultimate Destination	
			141 Loading Dock	
			ZZZ Mutually Defined	



Group: **ALC** Segment Group 18: Allowance or Charge

Position: 0690

Group:

Level: 1

Usage: Conditional (Optional)

Max Use: 15

Purpose: A group of segments specifying allowances and charges for the whole order. The allowance or charge specified within this Segment group may either relate to the total order in which case it cannot be overridden at detail level, or it can relate to the line items as a default allowance/charge and can be overridden by the ALC Segment group within the detail section. Where relevant, additional information, tax and alternate currency details are to be indicated in the TRI and MOA segments. The basis for the calculation of the allowance/charge may be a quantity, a percentage, an amount or a rate and one of the Segment group 19-22 should be used accordingly.

Segment Summary

	Pos. No.	Seg. ID	Name	Req. Des.	Max. Use	Group: Repeat
M	0700	ALC	Allowance or Charge	M	1	



Segment: **ALC** Allowance or Charge
Position: 0700 (Trigger Segment)
Group: Segment Group 18 (Allowance or Charge) Conditional (Optional)
Level: 1
Usage: Mandatory
Max Use: 1
Purpose: A segment identifying the charge or allowance and, where necessary its calculation sequence.
Dependency Notes:
Semantic Notes:
Comments:
Notes: **ALC++2+1+PAD'**

Data Element Summary

	<u>Data Element</u>	<u>Component Element</u>	<u>Name</u>	<u>Attributes</u>
M	5463		ALLOWANCE OR CHARGE QUALIFIER Specification of an allowance or charge for the service specified. A Allowance C Charge N No Allowance or Charge B Total Other	M an..3
	4471		SETTLEMENT, CODED Indication of how allowances or charges are to be settled. 2 Off invoice The allowance or charge is being deducted from the face of the document.	C an..3
	1227		CALCULATION SEQUENCE INDICATOR, CODED Code indicating the sequence of cumulated calculations to be agreed between interchange partners. 1 First step of calculation	C an..3
	C214		SPECIAL SERVICES IDENTIFICATION Identification of a special service by a code from a specified source or by description.	C
		7161	Special services, coded Code identifying a special service. DI Discount FC Freight Charge HD Handling PAD Promotional allowance SAB Special Allowance TD Trade discount LS Local Sales Tax PAE Promotional Discount	C an..3



Group: **LIN** Segment Group 25: Line Item

Position: 0930

Group:

Level: 1

Usage: Conditional (Optional)

Max Use: 200000

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

Segment Summary

	Pos.	Seg.		Req.	Max.	Group:
	No.	ID	Name	Des.	Use	Repeat
M	0940	LIN	Line Item	M	1	
	0950	PIA	Additional Product Id	C	25	
	0960	IMD	Item Description	C	99	
	0980	QTY	Quantity	C	10	
	1010	DTM	Date/Time/Period	C	35	
	1020	MOA	Monetary Amount	C	10	
	1080	FTX	Free Text	C	99	
	1180	PRI	Segment Group 28: Price Details	C		25
	1240	RFF	Segment Group 29: Reference	C		10
	1400	LOC	Segment Group 33: Place/Location Identification	C		9999
	1440	TAX	Segment Group 34: Duty/Tax/Fee Details	C		10
	1600	ALC	Segment Group 39: Allowance or Charge	C		99
	1700	MOA	Segment Group 42: MOA	C		2



**** **Segment:** **LIN** Line Item
Position: 0940 (Trigger Segment)
Group: Segment Group 25 (Line Item) Conditional (Optional)
Level: 1
Usage: Mandatory
Max Use: 1
Purpose: A segment identifying the line item by the line number and configuration level, and additionally, identifying the product or service ordered. Other product identification numbers e.g. Buyer product number, etc. can be specified within the following PIA segment.

Dependency Notes:
Semantic Notes:
Comments:
Notes: LIN+1+24523:EN:9'

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 Goods identification for a specified source.	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. BP Buyer's part number EN EAN 2-5-5-1 IN Buyer item number SA Suppliers article number SK SKU VP Vendor Part Number (seller's) UA Case UPC 2-5-5 UP UPC (Universal product code) AL UPC (Universal Product Code) Shipping container code (1-2-5- 5)	C an..3
	3055	Code list responsible agency, coded Code identifying the agency responsible for a code list. 9 EAN (International Article Numbering association)	C an..3



Segment: **PIA** Additional Product Id
Position: 0950
Group: Segment Group 25 (Line Item) Conditional (Optional)
Level: 2
Usage: Conditional (Optional)
Max Use: 25
Purpose: A segment providing either additional identification to the product specified in the LIN segment (e.g. Harmonized System number), or provides any substitute product identification.

Dependency Notes:

Semantic Notes:

Comments:

Notes: PIA+5+654256:BP:92'

Data Element Summary

	<u>Data Element</u>	<u>Component Element</u>	<u>Name</u>	<u>Attributes</u>
M	4347		PRODUCT ID. FUNCTION QUALIFIER Indication of the function of the product code.	M an..3
		1	Additional identification	
		5	Information which specifies and qualifies product identifications. Product identification	
M	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.	C an..3
		BP	Buyer's part number	
		EN	EAN 2-5-5-1	
		IN	Buyer item number	
		SA	Supplier article number	
		SK	SKU	
		VP	Vendor Part Number (seller's)	
		UP	UPC (Universal product code)	
		AL	UPC (Universal Product Code) Shipping container code (1-2-5- 5)	
		3055	Code list responsible agency, coded Code identifying the agency responsible for a code list.	C an..3
		91	Assigned by seller or seller's agent	
		92	Assigned by buyer or buyer's agent	
	C212		ITEM NUMBER IDENTIFICATION Goods identification for a specified source.	C
		7140	Item number A number allocated to a group or item.	C an..35
			Item number type, coded	C an..3



	7143	Identification of the type of item number.	
		BP Buyer's part number	
		EN EAN 2-5-5-1	
		IN Buyer item number	
		SK SKU	
		VP Vendor Part Number (seller's)	
		UA Case UPC 2-5-5	
		UP UPC (Universal product code)	
		AL UPC (Universal Product Code) Shipping container code (1-2-5- 5)	
	1131	Code list qualifier	C an..3
		Identification of a code list.	
		SA	
	3055	Code list responsible agency, coded	C an..3
		Code identifying the agency responsible for a code list.	
		91 Assigned by seller or seller's agent	
		92 Assigned by buyer or buyer's agent	
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	
		EN EAN 2-5-5-1	
		IN Buyer item number	
		SK SKU	
		VP Vendor Part Number (seller's)	
		UA Case UPC 2-5-5	
		UP UPC (Universal product code)	
		AL UPC (Universal Product Code) Shipping container code (1-2-5- 5)	



Segment: **IMD** Item Description
Position: 0960
Group: Segment Group 25 (Line Item) Conditional (Optional)
Level: 2
Usage: Conditional (Optional)
Max Use: 99
Purpose: A segment for describing the product or service being ordered 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:

Comments:

Notes: **IMD+F++:::PAINTERS TAPE ROLLS'**

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. B Code and text C Code (from industry code list) E Free-form short 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



Segment: **QTY** Quantity
Position: 0980
Group: Segment Group 25 (Line Item) Conditional (Optional)
Level: 2
Usage: Conditional (Optional)
Max Use: 10
Purpose: A segment identifying the product quantities e.g. ordered quantity.
Dependency Notes:
Semantic Notes:
Comments:
Notes: QTY+21:50:CS'

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. 21 Ordered quantity 52 Quantity per pack 59 Numbers of consumer units in the traded unit	M an..3
M		6060	Quantity Numeric value of a quantity.	M n..15
		6411	Measure unit qualifier	C an..3



Segment: **DTM** Date/Time/Period
Position: 1010
Group: Segment Group 25 (Line Item) Conditional (Optional)
Level: 2
Usage: Conditional (Optional)
Max Use: 35
Purpose: A segment specifying date/time/period details relating to the line item only.
Dependency Notes:
Semantic Notes:
Comments:
Notes: **DTM+2:20240601'**

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.	M an..3
		2	Delivery date/time, requested Date on which buyer requests goods to be delivered.	
		63	Delivery date/time, latest Date identifying a point of time after which goods shall not or will not be delivered.	
		361	Best before date The best before date.	
		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.	C an..3
		102	CCYYMMDD	



Segment: **MOA** Monetary Amount
Position: 1020
Group: Segment Group 25 (Line Item) Conditional (Optional)
Level: 2
Usage: Conditional (Optional)
Max Use: 10
Purpose: A segment specifying any monetary amounts relating to the product e.g. item amount, insurance value, customs value.
Dependency Notes:
Semantic Notes:
Comments:
Notes: **MOA+79:50.55'**

Data Element Summary

	<u>Data Element</u>	<u>Component Element</u>	<u>Name</u>	<u>Attributes</u>
M	C516		MONETARY AMOUNT Amount of goods or services stated as a monetary amount in a specified currency.	M
M		5025	Monetary amount type qualifier Indication of type of amount. Refer to D.96A Data Element Dictionary for acceptable code values.	M an..3
		5004	Monetary amount Number of monetary units.	C n..18



Segment: **FTX** Free Text
Position: 1080
Group: Segment Group 25 (Line Item) Conditional (Optional)
Level: 2
Usage: Conditional (Optional)
Max Use: 99
Purpose: A segment with free text information, in coded or clear form, used when additional information is needed but cannot be accommodated within other segments. In computer to computer exchanges such text will normally require the receiver to process this segment manually.

Dependency Notes:

Semantic Notes:

Comments: See introduction page notes. Qualifier selected for 4151 will inform the 3M supply chain operations.

Notes: **FTX+PRD+1++Please package 25 units per case'**

Data Element Summary

	<u>Data Element</u>	<u>Component Element</u>	<u>Name</u>	<u>Attributes</u>
M	4451		TEXT SUBJECT QUALIFIER Code specifying subject of a free text. PRD Product information PUR Purchasing information ZZZ Mutually defined	M an..3
	4453		TEXT FUNCTION, CODED Code specifying how to handle the text. 1 Text for subsequent use The occurrence of this text does not affect message processing.	C an..3
	C108		TEXT LITERAL Free text; one to five lines.	C
M	4440		Free text Free text field available to the message sender for information.	M an..70
	4440		Free text Free text field available to the message sender for information.	C an..70
	4440		Free text Free text field available to the message sender for information.	C an..70
	4440		Free text Free text field available to the message sender for information.	C an..70
	4440		Free text Free text field available to the message sender for information.	C an..70



Group: **PRI** Segment Group 28: Price Details
Position: 1180
Group: Segment Group 25 (Line Item) Conditional (Optional)
Level: 2
Usage: Conditional (Optional)
Max Use: 25
Purpose: A group of segments identifying the relevant pricing information for the goods or services ordered.

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	1190	PRI	Price Details	M	1	
	1200	CUX	Currencies	C	1	



Segment: **PRI** Price Details
Position: 1190 (Trigger Segment)
Group: Segment Group 28 (Price Details) Conditional (Optional)
Level: 2
Usage: Mandatory
Max Use: 1
Purpose: A segment to specify the price type and amount. The price used in the calculation of the line amount will be identified as 'price'.

Dependency Notes:

Semantic Notes:

Comments:

Notes: **PRI+AAB:2527.50:CA:GRP::CS'**

Data Element Summary

<u>Data Element</u>	<u>Component Element</u>	<u>Name</u>	<u>Attributes</u>
		PRICE INFORMATION	C
		Identification of price type, price and related details.	
M	5125	Price qualifier	M an..3
		Identification of a type of price.	
		AAA Calculation net	
		AAB Calculation gross	
	5118	Price	C n..15
		The monetary value associated with a purchase or sale of an article, product or service.	
	5375	Price type, coded	C an..3
		Code identifying the type of price of an item.	
		AQ As is quantity	
		CA Catalogue	
		CT Contract	
	5387	Price type qualifier	C an..3
		Code identifying pricing specification.	
		CON Contract Price	
		DPR Discount Price	
		NTP Net Unit Price	
	5284	Unit price basis	C n..9
		Basis on which the unit price/rate applies.	
	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.	
5213		SUB-LINE PRICE CHANGE, CODED	C an..3
		Code indicating disposition of the price change of a sub-line item.	



Segment: **CUX** Currencies
Position: 1200
Group: Segment Group 28 (Price Details) Conditional (Optional)
Level: 3
Usage: Conditional (Optional)
Max Use: 1
Purpose: A segment to allow to specify the price in a different currency that in segment group 7.
Dependency Notes:
Semantic Notes:
Comments:
Notes: **CUX+2:EUR:10'**

Data Element Summary

<u>Data Element</u>	<u>Component Element</u>	<u>Name</u>	<u>Attributes</u>
C504		CURRENCY DETAILS The usage to which a currency relates.	C
M	6347	Currency details qualifier Specification of the usage to which the currency relates.	M an..3
	2	Reference currency The currency applicable to amounts stated. It may have to be converted.	
	6345	Currency, coded Identification of the name or symbol of the monetary unit involved in the transaction.	C an..3
	6343	Currency qualifier Code giving specific meaning to data element 6345 Currency.	C an..3
	10	Pricing currency The name or symbol of the monetary unit used for pricing purposes.	



Group: **RFF** Segment Group 29: Reference
Position: 1240
Group: Segment Group 25 (Line Item) Conditional (Optional)
Level: 2
Usage: Conditional (Optional)
Max Use: 999
Purpose: A group of segments giving references and where necessary, their dates, relating to the line item.

Segment Summary

	<u>Pos.</u>	<u>Seg.</u>		<u>Req.</u>	<u>Max.</u>	<u>Group:</u>
	<u>No.</u>	<u>ID</u>	<u>Name</u>	<u>Des.</u>	<u>Use</u>	<u>Repeat</u>
M	1250	RFF	Reference	M	1	
	1260	DTM	Date/Time/Period	C	5	



Segment: **RFF** Reference
Position: 1250 (Trigger Segment)
Group: Segment Group 29 (Reference) Conditional (Optional)
Level: 2
Usage: Mandatory
Max Use: 1
Purpose: A segment identifying the reference by its number and where appropriate a line number within a document.
Dependency Notes:
Semantic Notes:
Comments:
Notes: **RFF+PD:SEASONAL DISCOUNT 1253:1'**

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.	M an..3
			CO Buyer Order Number	
			CR Customer Reference Number	
			CT Contract Number	
			DP Department Number	
			IA Internal Vendor Number	
			ON Order number	
			PD Promotion Deal Number	
			PR Price Quote Number	
			PW Prior Purchase Order Number	
			VN Order number (vendor)	
			BC Buyer Contract Number	
			DI Distributor Invoice Number	
			SD Sales Department Number	
			VR Vendor ID Number	
			IT Internal Customer Number	
			VA VAT Registration Number	
			VN Vendor Order Number	
		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
		1156	Line number Number of the line in the document/message referenced in 1154 Reference number.	C an..6



Segment: **DTM** Date/Time/Period
Position: 1260
Group: Segment Group 29 (Reference) Conditional (Optional)
Level: 3
Usage: Conditional (Optional)
Max Use: 5
Purpose: A segment specifying the date/time related to the reference.

Dependency Notes:

Semantic Notes:

Comments:

Notes: **DTM+171:20240507:102'**

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	
			Date/time on which the reference was issued.	
		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: **LOC** Segment Group 33: Place/Location Identification
Position: 1400
Group: Segment Group 25 (Line Item) Conditional (Optional)
Level: 2
Usage: Conditional (Optional)
Max Use: 9999
Purpose: A group of segments specifying destination and quantity details for consignments involving multi-destination deliveries.

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	1410	LOC	Place/Location Identification	M	1	



Segment: **LOC** Place/Location Identification
Position: 1410 (Trigger Segment)
Group: Segment Group 33 (Place/Location Identification) Conditional (Optional)
Level: 2
Usage: Mandatory
Max Use: 1
Purpose: A segment indicating the location to which part of the consignment is to be delivered.
Dependency Notes:
Semantic Notes:
Comments:
Notes: **LOC+7+25245:Hamburg WAREHOUSE 1234'**

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. 7 Place of delivery (3246) Place to which the goods are to be finally delivered under transport contract terms (operational term).	M an..3
	C517		LOCATION IDENTIFICATION Identification of a location by code or name.	C
X		3225	Place/location identification	C an..25
		3224	Place/location Name of place/location, other than 3164 City name.	C an..70



Group: **TAX** Segment Group 34: Duty/Tax/Fee Details
Position: 1440
Group: Segment Group 25 (Line Item) Conditional (Optional)
Level: 2
Usage: Conditional (Optional)
Max Use: 10
Purpose: A group of segments specifying tax related information, and when necessary, the location(s) to which that tax information relates.

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	1450	TAX	Duty/Tax/Fee Details	M	1	



Segment: **TAX** Duty/Tax/Fee Details
Position: 1450 (Trigger Segment)
Group: Segment Group 34 (Duty/Tax/Fee Details) Conditional (Optional)
Level: 2
Usage: Mandatory
Max Use: 1
Purpose: A segment specifying a tax type, category and rate, or exemption, relating to the line item.
Dependency Notes:
Semantic Notes:
Comments:
Notes: TAX+7+VAT++125456+16.4'

Data Element Summary

	<u>Data Element</u>	<u>Component Element</u>	<u>Name</u>	<u>Attributes</u>
M	5283		DUTY/TAX/FEE FUNCTION QUALIFIER Code identifying the function of an duty, tax or fee information. 7 Tax Contribution levied by an authority.	M an..3
	C241		DUTY/TAX/FEE TYPE Code and/or name identifying duty, tax or fee.	C
		5153	Duty/tax/fee type, coded Identification of the type of duty or tax or fee applicable to commodities or of tax applicable to services. VAT Value added tax A tax on domestic or imported goods applied to the value added at each stage in the production/distribution cycle.	C an..3
	C243		DUTY/TAX/FEE DETAIL Rate of duty/tax/fee applicable to commodities or of tax applicable to services.	C
X		5279	Duty/tax/fee rate identification	C an..7
		5278	Duty/tax/fee rate Rate of duty or tax or fee applicable to commodities or of tax applicable to services.	C an..17
	5305		DUTY/TAX/FEE CATEGORY, CODED Code identifying a tax/duty/fee category within a tax/duty/fee type system. S Standard rate	C an..3



Group: **ALC** Segment Group 39: Allowance or Charge
Position: 1600
Group: Segment Group 25 (Line Item) Conditional (Optional)
Level: 2
Usage: Conditional (Optional)
Max Use: 99
Purpose: A group of segments specifying allowances and charges for the line item where this is different to or not specified within the heading section.

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	1610	ALC	Allowance or Charge	M	1	



Segment: **ALC** Allowance or Charge
Position: 1610 (Trigger Segment)
Group: Segment Group 39 (Allowance or Charge) Conditional (Optional)
Level: 2
Usage: Mandatory
Max Use: 1
Purpose: A segment identifying the charge or allowance and, where necessary its calculation sequence.
Dependency Notes:
Semantic Notes:
Comments:
Notes: **ALC+A+2+1+HD'**

Data Element Summary

	<u>Data Element</u>	<u>Component Element</u>	<u>Name</u>	<u>Attributes</u>
M	5463		ALLOWANCE OR CHARGE QUALIFIER Specification of an allowance or charge for the service specified. A Allowance C Charge N No Allowance or Charge B Total Other	M an..3
	4471		SETTLEMENT, CODED Indication of how allowances or charges are to be settled. 2 Off invoice The allowance or charge is being deducted from the face of the document.	C an..3
	1227		CALCULATION SEQUENCE INDICATOR, CODED Code indicating the sequence of cumulated calculations to be agreed between interchange partners. 1 First step of calculation	C an..3
	C214		SPECIAL SERVICES IDENTIFICATION Identification of a special service by a code from a specified source or by description.	C
		7161	Special services, coded Code identifying a special service. DI Discount FC Freight Charge HD Handling PAD Promotional allowanc SAB Special Allowance TD Trade discount LS Local Sales Tax PAE Promotional Discount	C an..3



Group: **MOA** Segment Group 42: Monetary Amount
Position: 1700
Group: Segment Group 42 (Monetary Amount) Conditional (Optional)
Level: 2
Usage: Conditional (Optional)
Max Use: 2
Purpose: A group of segments specifying a monetary amount for an allowance or charge. A range to which the allowance or charge applies can be specified e.g. an allowance of 5000 BEF may be specified if goods value ordered is greater than 100000 BEF.

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	1710	MOA	Monetary Amount	M	1	



Segment: **MOA** Monetary Amount
Position: 1710 (Trigger Segment)
Group: Segment Group 42 (Monetary Amount) Conditional (Optional)
Level: 3
Usage: Mandatory
Max Use: 1
Purpose: A segment identifying the monetary amount for the allowance or charge.
Dependency Notes:
Semantic Notes:
Comments:
Notes: **MOA+5+20.00'**

Data Element Summary

	<u>Data Element</u>	<u>Component Element</u>	<u>Name</u>	<u>Attributes</u>
M	C516		MONETARY AMOUNT Amount of goods or services stated as a monetary amount in a specified currency.	M
M		5025	Monetary amount type qualifier Indication of type of amount. Refer to D.96A Data Element Dictionary for acceptable code values.	M an..3
		5004	Monetary amount Number of monetary units.	C n..18



Segment: **UNS** Section Control
Position: 2090
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:
Notes: UNS+S'

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.	
		S	Detail/summary section separation	
			To qualify the segment UNS, when separating the detail from the summary section of a message.	



Segment: **MOA** Monetary Amount
Position: 2100
Group:
Level: 1
Usage: Conditional (Optional)
Max Use: 12
Purpose: A segment giving the total amounts for the whole order message.
Dependency Notes:
Semantic Notes:
Comments:
Notes: **MOA+128:2913.72'**

Data Element Summary

	<u>Data Element</u>	<u>Component Element</u>	<u>Name</u>	<u>Attributes</u>
M	C516		MONETARY AMOUNT Amount of goods or services stated as a monetary amount in a specified currency.	M
M		5025	Monetary amount type qualifier Indication of type of amount. Refer to D.96A Data Element Dictionary for acceptable code values.	M an..3
		5004	Monetary amount Number of monetary units.	C n..18



Segment: **CNT** Control Total
Position: 2110
Group:
Level: 1
Usage: Conditional (Optional)
Max Use: 10
Purpose: A segment by which control totals may be provided by the sender for checking by the receiver.

Dependency Notes:

Semantic Notes:

Comments:

Notes: CNT+2:1'

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.	
			1 Algebraic total of the quantity values in line items in a message	
			2 Number of line items in message	
			02	
M		6066	Control value	M n..18
			Value obtained from summing the values specified by the Control Qualifier throughout the message (Hash total).	



Segment: **UNT** Message Trailer
Position: 2160
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:

Notes: UNT+<no of segments in a message>+1'

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



3M Sample ORDERS message

UNH+1+ORDERS:D:96A:UN:EAN008'
BGM+220:9+45215+9
DTM+137:20240117:102'
DTM+61:20240124:102'
DTM+64:20240118:102'
ALI+90'
FTX+DEL+1+Please deliver to eastern most loading doc at Hamburg warehouse'
RFF+CR:3MReferenceID'
NAD+BY+16016334:100:92+Bob's Hardware Store 125 Alten Strasse Hamburg, DE 80456'
RFF+VA:GB727255821'
CTA+DL+545346+DALE JONES'
COM+303-725-5648:TE'
TAX+7+VAT+++125456+16.4'
CUX+2:EUR
TDT+12+++30+31+121212::9:NW Transport''
TOD+1+CC+DAP::4'
LOC+18+747:18
ALC++2+1+PAD''
LIN+1+24523:EN:9'
PIA+5+B0CB8JSDZS:SA'
IMD+F++:::PAINTERS TAPE ROLLS'
QTY+21:120'
DTM+2:20240601'
MOA+79:780'
FTX+PRD+1++Please package 25 units per case'
PRI+AAA:6.5:CA:GRP::CS'
UNS+S'
CNT+2:1'
UNT+19+1'
UNZ+1+89782'