

3M EDI EDIFACT D96A INVOIC Invoice

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, **Introduction**

The purpose of this document is to facilitate customer integration with 3M via EDI invoicing. 3M EDIFACT INVOICE works only on this standard guide/map thus cannot accommodate any customer specific requirements. If a customer signs up to receive invoices via EDI, 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.
 - BP Buyer Part Number
 - EN EAN 2-5-5-1
 - SA Supplier Article Number
- 3M will provide all the under Regulatory information along with other additional invoice information in FTX segment with the code “AAI”.
- The Contract number will be only provided at header level in the RFF segment with “CT” qualifier.



INVOIC Invoice Message

Introduction:

A message claiming payment for goods or services supplied under conditions agreed between the seller and the buyer. The United Nations Standard Invoice Message, with correct data qualification, serves also as the specification for Debit Note and Credit Note messages. Throughout this document, the reference to 'Invoice' may be interpreted as conveying the wider meaning of 'Invoice/Credit Note/Debit Note'.

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		
	0070	FTX	Free Text	C	10		
	0080		Segment Group 1: RFF-DTM	C		99	
M	0090	RFF	Reference	M	1		
	0100	DTM	Date/Time/Period	C	5		
	0110		Segment Group 2: NAD-FII-SG3-SG5	C		99	
M	0120	NAD	Name and Address	M	1		
	0140	FII	Financial Institution Information	C	5		
	0150		Segment Group 3: RFF	C		9999	
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-MOA	C		5	
M	0250	TAX	Duty/tax/fee details	M	1		
	0260	MOA	Monetary amount	C	1		
	0280		Segment Group 7: CUX	C		5	
M	0290	CUX	Currencies	M	1		
	0310		Segment Group 8: PAT-DTM-PCD	C		10	
M	0320	PAT	Payment Terms Basis	M	1		
	0330	DTM	Date/Time/Period	C	5		
	0340	PCD	Percentage Details	C	1		
	0350	MOA	Monetary Amount	C	1		
	0460		Segment Group 12: TOD	C		5	
	0470	TOD	Terms of delivery or transport	M	1		
	0570		Segment Group 15: ALC			9999	
	0580	ALC	Allowance or charge	M	1		
	0660		Segment Group 18: PCD	C		1	
	0670	PCD	Percentage details	M			
	0690		Segment Group 19: MOA	C		2	
M	0700	MOA	Monetary Amount	M	1		



	0750		Segment Group 21: TAX-MOA		
M	0760	TAX	Duty/tax/fee details	M	1
	0770	MOA	Monetary amount	C	1

Detail Section:

	Pos. No.	Seg. ID	Name	Req. Des.	Max. Use	Group Repeat	Notes and Comments
	0890		Segment Group 25: LIN-PIA-IMD-QTY-FTX-SG26-SG28-SG33-SG38	C		9999999	
M	0900	LIN	Line Item	M	1		
	0910	PIA	Additional Product Id	C	25		
	0920	IMD	Item Description	C	10		
	0940	QTY	Quantity	C	5		
	1020	FTX	Free Text	C	5		
	1030		Segment Group 26: MOA	C		5	
M	1040	MOA	Monetary Amount	M	1		
	1110		Segment Group 28: PRI	C		25	
M	1120	PRI	Price Details	M	1		
	1160		Segment Group 29: RFF-DTM			10	
	1170	RFF	Reference		1		
	1180	DTM	Date/time/period		5		
	1310		Segment Group 33: TAX-MOA	C		99	
M	1320	TAX	Duty/Tax/Fee Details	M	1		
	1330	MOA	Monetary Amount	C	1		
	1470		Segment Group 38: ALC-SG40	C		15	
M	1480	ALC	Allowance or Charge	M	1		
	1540		Segment Group 40: PCD	C		1	
M	1550	PCD	Percentage Details	M	1		
	1570		Segment Group 41: MOA-RNG				
M	1580	MOA	Monetary Amount	C	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	1790	UNS	Section Control	M	1		
	1800	CNT	Control total	C	10		

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	1810		Segment Group 48: MOA	M		100	
M	1820	MOA	Monetary Amount	M	1		
	1860		Segment Group 50: TAX-MOA	C		10	
M	1870	TAX	Duty/Tax/Fee Details	M	1		
	1880	MOA	Monetary Amount	C	2		
	1860		Segment Group 51: ALC-MOA	C		10	
M	1900	ALC	Allowance or Charge	M	1		
	1920	MOA	Monetary Amount	C	2		
M	1930	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 Invoice message is INVOIC.
 Note: Invoice messages conforming to this document must contain the following data in segment UNH, composite S009:
 Data element 0065 INVOIC 0052 D 0054 96A 0051 UN

Dependency Notes:
Semantic Notes:
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. Refer to D.96A Data Element Dictionary for acceptable code values.	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. Refer to D.96A Data Element Dictionary for acceptable code values.	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
	0068		COMMON ACCESS REFERENCE Reference serving as a key to relate all subsequent transfers of data to the same business case or file.	C an..35
	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
		0073	First/last sequence message transfer indication Indication used for the first and last message in a sequence of the same type of message relating to the same topic. Refer to D.96A Data Element Dictionary for acceptable code values.	C a1



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 invoice by means of its type and number and when necessary its function.

Dependency Notes:

Semantic Notes:

Notes: BGM+380+ 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.	
		83 Credit note related to financial adjustments	
		84 Debit note related to financial adjustments	
		380 Commercial invoice	
		Document/message claiming payment for goods or services supplied under conditions agreed between seller and buyer.	
		381 Credit note	
		Document/message for providing credit information to the relevant party.	
		383 Debit note	
		Document/message for providing debit information to the relevant party.	
1004		DOCUMENT/MESSAGE NUMBER	C an..35
		Reference number assigned to the document/message by the issuer	
1225		MESSAGE FUNCTION CODED	C an..35
		Code indicating the function of the message.	
		9 Original	



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 invoice date. Examples of the use of this DTM segment is: "shipped on date" or "delivery date".

The Date/time/period segment within other Segment groups 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:

Notes: **DTM+137+20240501+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 date and/or time	
			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.	
			102 CCYYMMDD	
			Calendar date: C = Century ; Y = Year ; M = Month ; D = Day.	



Segment: **FTX** Free Text

Position: 0070

Group:

Level: 1

Usage: Conditional (Optional)

Max Use: 10

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:

Notes: **FTX+++AAI+Re-sending copy of invoice'**

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 PMD Payment detail/remittance information PMT Payment information REG Regulatory information ZZZ Mutually defined	M 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: **RFF** Segment Group 1: Reference
Position: 0080
Group:
Level: 1
Usage: Conditional (Optional)
Max Use: 99
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, despatch advice 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:
Notes: **RFF+ON+2468'**

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. CT Contract Number ON Order number (purchase) DQ Delivery note 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: 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:

Notes: **DTM+171+20240425+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
		171	Reference date/time Date/time on which the reference was issued.	
			Date referencing associated RFF segment in LOOP	
		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.	



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	
	0140	FII	Financial Institution Information	C	5	
	0150		Segment Group 3: Reference	C		9999
	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 invoice. Identification of the seller and buyer parties is mandatory for the invoice 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:

Notes: `NAD+BY+12345::92++John Doe+1234 Alten Strasse+Hamburg++54565+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. DP Delivery Party IV Invoicee BY Buyer SE Seller 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
		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	C an..3
	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



M

	3036	Party name Name of a party involved in a transaction.	C	an..35
C059		STREET Street address and/or PO Box number in a structured address: one to three lines.	C	
	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
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



Segment: **FII** Financial Institution Information
Position: 0140 (Trigger Segment)
Group: Segment Group 2 (Name and Address) Conditional (Optional)
Level: 1
Usage: Mandatory
Max Use: 5
Purpose: A segment identifying financial institution and account information
Dependency Notes:
Semantic Notes:
Notes: FII+BB+1282256+CODE OF INST+25+17+Bank of New Zealand+Christchurch'

Data Element Summary

	<u>Data Element</u>	<u>Component Element</u>	<u>Name</u>	<u>Attributes</u>
M	3035		Party Qualifier RB Receiving financial institution RH Sellers financial institution	M an..3
	C078		Account identification	C
M		3194	Account holder number	M an..35
	C088		PARTY NAME Identification of a transaction party by name, one to five lines. Party name may be formatted.	C
		3433	Institution name identification Code identifying an institution.	C an..11
		1131	Code list qualifier Identification of a code list Refer to D.96A Data Element Dictionary for acceptable code values.	C an..3
		3055	Code list responsible agency, coded Code identifying the agency responsible for a code list. Refer to D.96A Data Element Dictionary for acceptable code values.	C an..3
		3432	Institution name Name of institution	C an..70
		3436	Institution branch place Official name of the place where the institution branch is situated	C an..70



Group: **RFF** Segment Group 3: Reference
Position: 0150
Group: Segment Group 2 (Name and Address) Conditional (Optional)
Level: 2
Usage: Conditional (Optional)
Max Use: 9999
Purpose: A group of segment for giving references only relevant to the specified party rather than the whole invoice.

Segment Summary

	<u>Pos.</u>	<u>Seg.</u>	<u>Name</u>	<u>Req.</u>	<u>Max.</u>	<u>Group:</u>
	<u>No.</u>	<u>ID</u>		<u>Des.</u>	<u>Use</u>	<u>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:
Notes: **RFF+VA+456123156'**

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. CT Contract Number FC Fiscal Number GN Government reference number LA Shipping label serial number VA VAT registration number Unique number assigned by the relevant tax authority to identify a party for use in relation to Value Added Tax (VAT). VAT Registration Number	M an..3
			XA Company/place registration number Company registration and place as legally required.	
		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: 2
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: 2
Usage: Mandatory
Max Use: 1
Purpose: A segment to identify a person or department, and their function, to whom communications should be directed.
Dependency Notes:
Semantic Notes:
Notes: **CTA+IC+45215+John Doe'**

Data Element Summary

<u>Data Element</u>	<u>Component Element</u>	<u>Name</u>	<u>Attributes</u>
3139		CONTACT FUNCTION, CODED Code specifying the function of a contact (e.g. department or person). IC Information contact Department/person to contact for questions regarding transactions.	C an..3
C056		DEPARTMENT OR EMPLOYEE DETAILS Code and/or name of a department or employee. Code preferred.	C
	3413	Department or employee identification	C an..17
	3412	Department or employee The department or person within an organizational entity.	C an..35

X



Segment: **COM** Communication Contact
Position: 0230
Group: Segment Group 5 (Contact Information) Conditional (Optional)
Level: 3
Usage: Conditional (Optional)
Max Use: 5
Purpose: A segment to identify a communications type and number for the contact specified in the CTA segment.

Dependency Notes:

Semantic Notes:

Notes: **COM+John.Doe@customer.com:EM**

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.	
			TE Telephone	
			FX Facsimile	



Group: **TAX** Segment Group 6: Duty/Tax/Fee Details
Position: 0240
Group:
Level: 1
Usage: Conditional (Optional)
Max Use: 10
Purpose: A group of segments specifying taxes totals for the invoice.

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	1870	TAX	Duty/Tax/Fee Details	M	1	
	1880	MOA	Monetary Amount	C	2	



Segment: **TAX** Duty/Tax/Fee Details
Position: 0250 (Trigger Segment)
Group: Segment Group 6 (Duty/Tax/Fee Details) Conditional (Optional)
Level: 1
Usage: Mandatory
Max Use: 1
Purpose: A segment specifying the tax type to be summarized.
Dependency Notes:
Semantic Notes:
Notes: **TAX+7+VAT+++RATE ID:::16.25'**

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. DEB VAT Value added tax GST Goods and Service Tax	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



Segment: **MOA** Monetary Amount
Position: 0260
Group: Segment Group 6 (Duty/Tax/Fee Details) Conditional (Optional)
Level: 2
Usage: Conditional (Optional)
Max Use: 2
Purpose: A segment specifying the summary amount for the tax specified.

Dependency Notes:

Semantic Notes:

Notes: **MOA+125:1000:EUR'**

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.	M an..3
		124	Tax amount Tax imposed by government or other official authority related to the weight/volume charge or valuation charge.	
		125	Taxable amount	
		5004	Monetary amount Number of monetary units.	C n..18
		6345	Currency, coded Identification of the name or symbol of the monetary unit involved in the transaction.	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 invoice. Currency data maybe omitted in national applications but will be required for international transactions.

Segment Summary

	Pos.	Seg.		Req.	Max.	Group:
	No.	ID	Name	Des.	Use	Repeat
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 invoice e.g. the invoice currency. A rate of exchange may be given to convert a reference currency into a target currency.

Dependency Notes:

Semantic Notes:

Notes: **CUX+2:EUR:4***

Data Element Summary

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



Group: **PAT** Segment Group 8: Payment Terms Basis
Position: 0310
Group:
Level: 1
Usage: Conditional (Optional)
Max Use: 10
Purpose: A group of segments specifying the terms of payment applicable for the whole invoice.

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	0320	PAT	Payment Terms Basis	M	1	
	0330	DTM	Date/Time/Period	C	5	
	0340	PCD	Percentage Details	C	1	
	0350	MOA	Monetary Amount	C	1	



Segment: **PAT** Payment Terms Basis
Position: 0320 (Trigger Segment)
Group: Segment Group 8 (Payment Terms Basis) Conditional (Optional)
Level: 1
Usage: Mandatory
Max Use: 1
Purpose: A segment identifying the payment terms and date/time basis.
Dependency Notes:
Semantic Notes:
Notes: **PAT+1++5::D:30'**

Data Element Summary

	<u>Data Element</u>	<u>Component Element</u>	<u>Name</u>	<u>Attributes</u>
M	4279		PAYMENT TERMS TYPE QUALIFIER Identification of the type of payment terms. Refer to D.96A Data Element Dictionary for acceptable code values If below do not apply 1 Basic 3 Fixed date	M an..3
	C112		TERMS/TIME INFORMATION Time details in payment terms.	C
M		2475	Payment time reference, coded Code relating payment terms to the date of a specific event. 5 Date of invoice Payment time reference is date of invoice.	M an..3
		2151	Type of period, coded Agreed or specified period of time (coded). D Day	C an..3
		2152	Number of periods Number of periods of the type indicated in data element 2151 Type of period, coded.	C n..3



Segment: **DTM** Date/Time/Period
Position: 0330
Group: Segment Group 8 (Payment Terms Basis) Conditional (Optional)
Level: 2
Usage: Conditional (Optional)
Max Use: 5
Purpose: A segment giving the specific date/time/period, if needed, of any payments, discounts, instalments etc.
Dependency Notes:
Semantic Notes:
Notes: **DTM+13:20240601:102'**

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.	
			7 Effective date/time	
			12 Terms discount date/time	
			13 Terms net due 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.	



Segment: **PCD** **Percentage Details**
Position: 0340
Group: Segment Group 8 (Payment Terms Basis) Conditional (Optional)
Level: 2
Usage: Conditional (Optional)
Max Use: 1
Purpose: A segment specifying the discount, interest, penalty as well as instalment percentage.
Dependency Notes:
Semantic Notes:
Notes: **PCD+1+.02:13'**

Data Element Summary

	<u>Data Element</u>	<u>Component Element</u>	<u>Name</u>	<u>Attributes</u>
M	C501		PERCENTAGE DETAILS Percentage relating to a specified basis.	M
M		5245	Percentage qualifier Identification of the usage of a percentage. 1 Allowance (5424) Allowance expressed as a percentage.	M an..3
		5482	Percentage Value expressed as a percentage of a specified amount.	C n..10
		5249	Percentage basis, coded Indication of the application of a percentage. 13 Invoice value Referenced percentage applies on the invoice value.	C an..3



Segment: **MOA** Monetary Amount
Position: 0350 (Trigger Segment)
Group: Segment Group 8 (PAT-DTM-PCD) Conditional (Optional)
Level: 3
Usage: Conditional
Max Use: 1
Purpose: A segment identifying the monetary amount for payment terms discount.
Dependency Notes:
Semantic Notes:
Notes: **MOA+109+20:EUR'**

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. 21 Cash discount 23 Charge amount 109 Payment discount amount	M an..3
		5004	Monetary amount Number of monetary units.	C n..18
		6345	Currency, coded Identification of the name or symbol of the monetary unit involved in the transaction.	C an..3



Segment: **TOD** **Terms of Deliver or Transport**
Position: 0470
Group: Segment Group 12 Conditional (Optional)
Level: 1
Usage: Optional
Max Use: 1
Purpose: To specify terms of delivery or transport
Dependency Notes:
Semantic Notes:
Notes: **TOD+INCO1'**

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	C an...3
C100	4053	Terms of delivery or transport 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. Use UN/ECE Recommendation No. 5 Incoterms 1990. If not applicable, use appropriate code set in combination with 1131/3055.	C C an..3



Group: **ALC** Segment Group 15: Allowance or Charge
Position: 0570
Group: Segment Group 15 (Allowance and Charge) Conditional (Optional)
Level: 1
Usage: Conditional (Optional)
Max Use: 1
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	0580	ALC	Allowance or Charge	M	1	



Segment: **ALC** Allowance or Charge
Position: 0580 (Trigger Segment)
Group: Segment Group 15 (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:
Notes: **ALC+C+Promo3454+2+1+DI'**

Data Element Summary

	Data Element	Component Element	Name	Attributes
M	5463		ALLOWANCE OR CHARGE QUALIFIER Specification of an allowance or charge for the service specified. A Allowance C Charge	M an..3
	C552		ALLOWANCE/CHARGE INFORMATION Identification of allowance/charge information by number and/or code.	C
		1230	Allowance or charge number Number assigned by a party referencing an allowance, promotion, deal or charge.	C an..35
	4471		Settlement Coded Indication of how allowances or charges are to be settled. 2 Off Invoice 6 Charge to be paid by customer	C an..3
	1227		CALCULATION SEQUENCE INDICATOR, CODED Code indicating the sequence of cumulated calculations to be agreed between interchange partners. Refer to D.96A Data Element Dictionary for acceptable code values.	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. AJ Adjustments DI Discount FC Freight charge LA Labeling	C an..3



Group: **PCD** Segment Group 18: Percentage Details

Position: 0660

Group: Segment Group 18 (Percentage Details) Conditional (Optional)

Level: 1

Usage: Conditional (Optional)

Max Use: 1

Purpose: A group of segments specifying the percentage for the allowance or charge, e.g. The allowance/charge amount is calculated as 5% of the goods value or a price reduction of 5% may be specified if the goods quantity ordered is within the range 5 tons to 10 tons.

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	0670	PCD	Percentage Details	M	1	



Segment: **PCD** **Percentage Details**
Position: 0670 (Trigger Segment)
Group: Segment Group 18 (Percentage Details) Conditional (Optional)
Level: 1
Usage: Mandatory
Max Use: 1
Purpose: A segment identifying the percentage and the percentage basis for the calculation of the allowance or charge.
Dependency Notes:
Semantic Notes:
Notes: **PCD+1:01'**

Data Element Summary

	<u>Data Element</u>	<u>Component Element</u>	<u>Name</u>	<u>Attributes</u>
M	C501		PERCENTAGE DETAILS Percentage relating to a specified basis.	M
M		5245	Percentage qualifier Identification of the usage of a percentage. 1 Allowance (5424) Allowance expressed as a percentage.	M an..3
		5482	Percentage Value expressed as a percentage of a specified amount.	C n..10



Group: **MOA** Segment Group 19: Monetary Amount
Position: 0690
Group: Segment Group 19 (Allowance or Charge) 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	0700	MOA	Monetary Amount	M	1	



Segment: **MOA** Monetary Amount
Position: 0700 (Trigger Segment)
Group: Segment Group 19 (Monetary Amount) Conditional (Optional)
Level: 2
Usage: Mandatory
Max Use: 1
Purpose: A segment identifying the monetary amount for the allowance or charge.
Dependency Notes:
Semantic Notes:
Notes: **MOA+1000:23:20+EUR'**

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. 23 Charge amount	M an..3
		5004	Monetary amount Number of monetary units.	C n..18
		6345	Currency, coded Identification of the name or symbol of the monetary unit involved in the transaction.	C an..3



Group: **TAX** Segment Group 21: Duty/Tax/Fee Details
Position: 0750
Group: Segment Group 21 (Duty/Tax/Fee Details) Conditional (Optional)
Level: 1
Usage: Conditional (Optional)
Max Use: 5
Purpose: A group of segments specifying tax related 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	0760	TAX	Duty/Tax/Fee Details	M	1	
	0770	MOA	Monetary Amount	C	1	



Segment: **TAX** Duty/Tax/Fee Details
Position: 0760 (Trigger Segment)
Group: Segment Group 21 (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:
Notes: TAX+7+VAT+++Rate ID::.10'

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 LOC Local Sales Tax GST Goods and Service Tax OTH Other Tax STT State/Provincial Tax	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



Segment: **MOA** Monetary Amount
Position: 0770
Group: Segment Group 21 (Duty/Tax/Fee Details) Conditional (Optional)
Level: 2
Usage: Conditional (Optional)
Max Use: 2
Purpose: A segment specifying the summary amount for the tax specified.

Dependency Notes:

Semantic Notes:

Notes: **MOA+1000:125:980:EUR"**

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.	M an..3
			124 Tax amount Tax imposed by government or other official authority related to the weight/volume charge or valuation charge.	
			125 Taxable amount	
		5004	Monetary amount Number of monetary units.	C n..18
		6345	Currency, coded Identification of the name or symbol of the monetary unit involved in the transaction.	C an..3



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

Position: 0890

Group:

Level: 1

Usage: Conditional (Optional)

Max Use: 9999999

Purpose: A group of segments providing details of the individual invoiced items. There must be at least one occurrence of Segment group 22 within an invoice, but not necessarily in a credit note or a debit note. This Segment group may be repeated to give sub-line details.

Segment Summary

	Pos. No.	Seg. ID	Name	Req. Des.	Max. Use	Group: Repeat
M	0900	LIN	Line Item	M	1	
	0910	PIA	Additional Product Id	C	25	
	0920	IMD	Item Description	C	10	
	0940	QTY	Quantity	C	5	
	1020	FTX	Free Text	C	5	
	1030		Segment Group 26: Monetary Amount	C	5	
	1110		Segment Group 28: Price Details	C	25	
	1160		Segment Group 29: Reference	C	10	
	1310		Segment Group 33: Duty/Tax/Fee Details	C	99	
	1470		Segment Group 38: Allowance or Charge	C	15	



Segment: **LIN** Line Item
Position: 0900 (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 invoiced. Other product identification numbers, e.g. Buyer product number etc., can be specified within the following PIA segment.

Dependency Notes:

Semantic Notes:

Notes: LIN+1++215456:EN::92'

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. EN International Article Numbering Association (EAN) Supplier's article number	C an..3
	3055	Code list responsible agency, coded Code identifying the agency responsible for a code list. 92 Assigned by buyer or buyer's agent	C an..3



Segment: **PIA** Additional Product Id
Position: 0910
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:

Notes: PIA+1+654856+BP::91'

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. 1 Additional identification 5 Product identification	M an..3
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. BP Buyer's part number SA Supplier's article number	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	C an..3



Segment: **IMD** Item Description
Position: 0920
Group: Segment Group 25 (Line Item) Conditional (Optional)
Level: 2
Usage: Conditional (Optional)
Max Use: 10
Purpose: A segment for describing the product or service being invoiced 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:

Notes: **IMD+F+++::Painters Tape 50' Roll'**

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: 0940
Group: Segment Group 25 (Line Item) Conditional (Optional)
Level: 2
Usage: Conditional (Optional)
Max Use: 5
Purpose: A segment identifying the product quantities e.g. invoiced quantity.
Dependency Notes:
Semantic Notes:
Notes: **QTY+47:50**

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. 47 Invoiced quantity The quantity as per invoice.	M an..3
M		6060	Quantity Numeric value of a quantity.	M n..15
		6411	Measure unit qualifier Indication of the unit of measurement in which weight (mass), capacity, length, area, volume or other quantity is expressed. Refer to D.96A Data Element Dictionary for acceptable code values.	C an..3



Segment: **FTX** Free Text
Position: 1020
Group: Segment Group 25 (Line Item) Conditional (Optional)
Level: 2
Usage: Conditional (Optional)
Max Use: 5
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:
Notes:

FTX+AAI+++General Line Notes'

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. AAB Terms of payment AAI General information SUR Supplier remarks	M 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: **MOA** Segment Group 26: Monetary Amount
Position: 1030
Group: Segment Group 25 (Line Item) Conditional (Optional)
Level: 2
Usage: Conditional (Optional)
Max Use: 5
Purpose: A group of segments specifying any monetary amounts relating to the products and when necessary a currency.

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	1040	MOA	Monetary Amount	M	5	



Segment: **MOA Monetary Amount**
Position: 1040 (Trigger Segment)
Group: Segment Group 26 (Monetary Amount) Conditional (Optional)
Level: 2
Usage: Mandatory
Max Use: 1
Purpose: A segment specifying any monetary amounts relating to the product, e.g. item amount, insurance value, customs value.
Dependency Notes:
Semantic Notes:
Notes: **MOA+203:980:EUR'**

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.	M an..3
		203	Line item amount Goods item total minus allowances plus charges for line item. See also Code 66. 3M is sending the NET item total. Goods minus Allowance.	
		5004	Monetary amount Number of monetary units.	C n..18
		6345	Currency, coded Identification of the name or symbol of the monetary unit involved in the transaction.	C an..3



Group: **PRI** Segment Group 28: Price Details
Position: 1110
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 invoiced.

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	1120	PRI	Price Details	M	1	



Segment: **PRI** Price Details
Position: 1120 (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'. Indication of "net price" or "gross price" can be given in 5387 "Price type qualifier".

Dependency Notes:

Semantic Notes:

Notes: PRI+AAA:20::50: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	
		The price stated is the net price including allowances/charges. Allowances/charges may be stated for information only.	
		AAB Calculation gross	
		The price stated is the gross price to which allowances/charges must be applied.	
	5118	Price	C n..15
		The monetary value associated with a purchase or sale of an article, product or service.	
	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.	



Group: **RFF** Segment Group 29: Reference
Position: 1160
Group:
Level: 2
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, despatch advice 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	1170	RFF	Reference	M	1	
	1180	DTM	Date/Time/Period	C	5	



Segment: **RFF** Reference
Position: 1170 (Trigger Segment)
Group: Segment Group 29 (Reference) Conditional (Optional)
Level: 2
Usage: Mandatory
Max Use: 10
Purpose: A segment identifying the reference by its number and where appropriate a line number within a document.
Dependency Notes:
Semantic Notes:
Notes: **RFF+L1:1'**

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. LI Line item reference number ON Order number (purchase) DQ Delivery quote 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: 1180
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:

Notes: **DTM+171:20240501 :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 Date/time on which the reference was issued. Date referencing associated RFF segment in LOOP	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: **TAX** Segment Group 33: Duty/Tax/Fee Details
Position: 1310
Group: Segment Group 25 (Line Item) Conditional (Optional)
Level: 2
Usage: Conditional (Optional)
Max Use: 99
Purpose: A group of segments specifying tax related information for the line item, 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	1320	TAX	Duty/Tax/Fee Details	M	1	
	1330	MOA	Monetary Amount	C	1	



Segment: **TAX** Duty/Tax/Fee Details
Position: 1320 (Trigger Segment)
Group: Segment Group 33 (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:
Notes: TAX+7+VAT++Rate ID+.10'

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 GST Goods and Service Tax	C an..3
	C243	DUTY/TAX/FEE DETAIL	C
	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



Segment: **MOA** Monetary Amount
Position: 1330
Group: Segment Group 33 (Duty/Tax/Fee Details) Conditional (Optional)
Level: 3
Usage: Conditional (Optional)
Max Use: 1
Purpose: A segment specifying the amount for the identified tax/fee.
Dependency Notes:
Semantic Notes:
Notes: **MOA+124:98***

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.	M an..3
		124	Tax amount Tax imposed by government or other official authority related to the weight/volume charge or valuation charge.	
		5004	Monetary amount Number of monetary units.	C n..18



Group: **ALC** Segment Group 38: Allowance or Charge
Position: 1470
Group: Segment Group 25 (Line Item) Conditional (Optional)
Level: 2
Usage: Conditional (Optional)
Max Use: 15
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

	Pos. No.	Seg. ID	Name	Req. Des.	Max. Use	Group: Repeat
M	1480	ALC	Allowance or Charge	M	1	



Segment: **ALC** Allowance or Charge
Position: 1480 (Trigger Segment)
Group: Segment Group 38 (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:
Notes: **ALC+C+Freight12542+6+1+FC::Customer to pay 50.00 freight charge'**

Data Element Summary

	Data Element	Component Element	Name	Attributes
M	5463		ALLOWANCE OR CHARGE QUALIFIER Specification of an allowance or charge for the service specified. A Allowance C Charge	M an..3
	C552		ALLOWANCE/CHARGE INFORMATION Identification of allowance/charge information by number and/or code.	C
		1230	Allowance or charge number Number assigned by a party referencing an allowance, promotion, deal or charge.	C an..35
	4471		SETTLEMENT CODED Indication of how allowances or charges are to be settled. 2 Off Invoice 6 Charge to be paid by customer	C an..3
	1227		CALCULATION SEQUENCE INDICATOR, CODED Code indicating the sequence of cumulated calculations to be agreed between interchange partners Refer to D.96A Data Element Dictionary for acceptable code values.	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 AJ Adjustments DI Discount FC Freight charge LA Labelling	C an..3
		7160	Special service Description of special service.	C an..35



Group: **PCD** Segment Group 40: Percentage Details
Position: 1540
Group: Segment Group 40 (Percentage Details) Conditional (Optional)
Level: 3
Usage: Conditional (Optional)
Max Use: 1
Purpose: A group of segments specifying the percentage for the allowance or charge, e.g. The allowance/charge amount is calculated as 5% of the goods value or a price reduction of 5% may be specified if the goods quantity ordered is within the range 5 tons to 10 tons.

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	1550	PCD	Percentage Details	M	1	



Segment: **PCD** **Percentage Details**
Position: 1550 (Trigger Segment)
Group: Segment Group 40 (Percentage Details) Conditional (Optional)
Level: 3
Usage: Mandatory
Max Use: 1
Purpose: A segment identifying the percentage and the percentage basis for the calculation of the allowance or charge.
Dependency Notes:
Semantic Notes:
Notes: **PCD+1+.02+13'**

Data Element Summary

	<u>Data Element</u>	<u>Component Element</u>	<u>Name</u>	<u>Attributes</u>
M	C501		PERCENTAGE DETAILS Percentage relating to a specified basis.	M
M		5245	Percentage qualifier Identification of the usage of a percentage. 1 Allowance (5424) Allowance expressed as a percentage.	M an..3
		5482	Percentage Value expressed as a percentage of a specified amount.	C n..10
		5249	Percentage basis, coded Indication of the application of a percentage. Refer to D.96A Data Element Dictionary for acceptable code values.	C an..3



Group: **MOA** Segment Group 41: Monetary Amount
Position: 1570
Group: Segment Group 41 (Monetary Amount) Conditional (Optional)
Level: 3
Usage: Conditional (Optional)
Max Use: 1
Purpose: A group of segments specifying a monetary amount for an allowance or charge.

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	1580	MOA	Monetary Amount	M	1	



Segment: **MOA** Monetary Amount
Position: 1580 (Trigger Segment)
Group: Segment Group 38 (Monetary Amount) Conditional (Optional)
Level: 3
Usage: Mandatory
Max Use: 1
Purpose: A segment specifying any monetary amounts relating to the Allowances
Dependency Notes:
Semantic Notes:
Notes: **MOA+8+20+EUR***

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.	M an..3
			8 Allowance or charge amount	
			25 Charge/allowance basis	
		5004	Monetary amount Number of monetary units.	C n..18
		6345	Currency, coded Identification of the name or symbol of the monetary unit involved in the transaction.	C an..3



Segment: **UNS** Section Control
Position: 1790
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:

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



Segment: **CNT** Section Control
Position: 1800
Group:
Level: 0
Usage: Mandatory
Max Use: 10
Purpose: To provide control total

Dependency Notes:
Semantic Notes:

Data Element Summary

M	<u>Data Element</u>	<u>Component Element</u>	<u>Name</u>	<u>Attributes</u>
		C270		Control
		6069	Control qualifier Determines the source data elements in the message which forms the basis for 6066 Control value.	M an..3
		6066	Control value Value obtained from summing the values specified by the Control Qualifier throughout the message (Hash total).	M n...18



Group: **MOA** Segment Group 48: Monetary Amount
Position: 1810
Group:
Level: 1
Usage: Mandatory
Max Use: 100
Purpose: A group of segments giving total amounts for the whole invoice and - if relevant -detailing amounts pre-paid with relevant references and dates-

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	1820	MOA	Monetary Amount	M	1	



Segment: **MOA Monetary Amount**
Position: 1820 (Trigger Segment)
Group: Segment Group 48 (Monetary Amount) Mandatory
Level: 1
Usage: Mandatory
Max Use: 1
Purpose: A segment giving the total amounts for the whole invoice message such as message monetary amount, message line item total amount, amount subject to payment discount, amount subject to tax, alternative currency total amount, total additional amount, sub-total amounts prepaid, total amount prepaid.

Dependency Notes:
Semantic Notes:
Notes: **MOA+125:980:EUR'**

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.	M an..3
		79	Total line items amount	
		86	Message total monetary amount	
		124	Tax amount	
			Tax imposed by government or other official authority related to the weight/volume charge or valuation charge.	
		125	Taxable amount	
		128	Total amount	
		5004	Monetary amount Number of monetary units.	C n..18
		6345	Currency, coded Identification of the name or symbol of the monetary unit involved in the transaction.	C an..3



Group: **TAX** Segment Group 50: Duty/Tax/Fee Details
Position: 1860
Group:
Level: 1
Usage: Conditional (Optional)
Max Use: 10
Purpose: A group of segments specifying taxes totals for the invoice.

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	1870	TAX	Duty/Tax/Fee Details	M	1	
	1880	MOA	Monetary Amount	C	2	



Segment: **TAX** Duty/Tax/Fee Details
Position: 1870 (Trigger Segment)
Group: Segment Group 50 (Duty/Tax/Fee Details) Conditional (Optional)
Level: 1
Usage: Mandatory
Max Use: 1
Purpose: A segment specifying the tax type to be summarized.
Dependency Notes:
Semantic Notes:
Notes: TAX+7+VAT++Rate ID+.10'

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 GST Goods and Service 1890	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



Segment: **MOA** Monetary Amount
Position: 1880
Group: Segment Group 50 (Duty/Tax/Fee Details) Conditional (Optional)
Level: 2
Usage: Conditional (Optional)
Max Use: 2
Purpose: A segment specifying the summary amount for the tax specified.

Dependency Notes:

Semantic Notes:

Notes: **MOA+124:98:EUR***

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.	M an..3
			124 Tax amount Tax imposed by government or other official authority related to the weight/volume charge or valuation charge.	
			125 Taxable amount	
		5004	Monetary amount Number of monetary units.	C n..18
		6345	Currency, coded Identification of the name or symbol of the monetary unit involved in the transaction.	C an..3



Group: **ALC** Segment Group 51: Allowance or Charge
Position: 1890
Group:
Level: 1
Usage: Conditional (Optional)
Max Use: 10
Purpose: A group of segments specifying allowance and charge totals for the invoice.

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	1900	ALC	Allowance or Charge	M	1	
	1920	MOA	Monetary Amount	C	2	



Segment: **ALC** Allowance or Charge
Position: 1900 (Trigger Segment)
Group: Segment Group 51 (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:
Notes: **ALC+C+Freight12542+6+1+FC'**

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	M an..3
	C552		ALLOWANCE/CHARGE INFORMATION Identification of allowance/charge information by number and/or code.	C
		1230	Allowance or charge number Number assigned by a party referencing an allowance, promotion, deal or charge.	C an..35
	1227		CALCULATION SEQUENCE INDICATOR, CODED Code indicating the sequence of cumulated calculations to be agreed between interchange partners. Refer to D.96A Data Element Dictionary for acceptable code values.	C an..3
	4471		SETTLEMENT CODED Indication of how allowances or charges are to be settled. 2 Off Invoice 6 Charge to be paid by customer	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. AJ Adjustments DI Discount FC Freight charge LA Labeling	C an..3



Segment: **MOA Monetary Amount**
Position: 1920 (Trigger Segment)
Group: Segment Group 51 (Allowance and Charges) Conditional (Optional)
Level: 2
Usage: Mandatory
Max Use: 1
Purpose: A segment specifying any monetary amounts relating to the Allowances and Charges
Dependency Notes:
Semantic Notes:

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.	M an..3
			64 Freight charge	
			124 Tax amount	
			125 Taxable amount	
			160 Other costs	
		5004	Monetary amount Number of monetary units.	C n..18
		6345	Currency, coded Identification of the name or symbol of the monetary unit involved in the transaction.	C an..3



Segment: **UNT** Message Trailer
Position: 1930
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:

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 3M INVOIC message**

UNH+1+INVOIC:D:96A:UN:EAN008'
BGM+380+9535746948+9'
DTM+137:20240216:102'
DTM+11:20240216:102'
FTX+AAI+++DOSTAWA NA BYSEWSKA'
RFF+ON:63559478'
DTM+171:20240212:102'
RFF+DQ:8088892019'
NAD+SU+5909000038608::9++3M Poland Sp. z.o.o.+Al. Katowicka 117+Nadarzyn++05-830+PL'
FII+RB+90 1030 1508 0000 0008 0413 0098'
RFF+API:203838'
RFF+VA:5270204212'
RFF+XA:000011068'
NAD+BY+12345::92++John Doe+1234 Alten Strasse+Hamburg++54565+DE'
RFF+VA:113-00-89-950'
CTA+ CTA+IC+45215+John Doe'
COM+John.Doe@customer.com:EM
TAX+7+VAT+++RATE ID:::16.25'
MOA+125:1000:EUR'
CUX+2:EUR:4'
PAT+1++5:3:D:120'
DTM+13:20240615:102'
PCD+1+.02:13'
MOA+109+20:EUR'
TOD+INCO1'
ALC+C+Promo3454+2+1+DI'
PCD+1:01'
MOA+1000:23:20+EUR'
TAX+7+VAT+++Rate ID:::10'
MOA+1000:125:980:EUR"
LIN+1++5902658102509:EN'
PIA+1+7100139928:SA'
PIA+1+81884226:BP'
IMD+F++CU:::PART DESCRIPTION'
QTY+47:6:PCE'
FTX+AAI+++General Line Notes'
MOA+66:149.4:PLN'
PRI+AAA:24.90'
TAX+7+VAT++++:::23+S'
MOA+203:34.36'
LIN+2++5902658102950:EN'
PIA+1+7100141467:SA'
PIA+1+81884241:BP'
IMD+F++::Painters Tape 50' Roll"QTY+47:6:PCE'
QTY+59:6:PCE'
MOA+66:333.36:PLN'
PRI+AAA:55.56'



TAX+7+VAT+++:::23'
MOA+124:76.67'
UNS+S'
CNT+2:2'
MOA+77:593.79'
MOA+79:482.76'
MOA+124:111.03'
MOA+125:482.76'
TAX+7+VAT+++:::23'
MOA+79:482.76'
MOA+124:111.03'
TAX+7+VAT+++:::23+S'
MOA+125:482.76'
MOA+289:593.79'
UNT+56+1'
UNZ+1+31258'