IFTMCS MSC Bill of Lading Data

Introduction:

A message from the party providing the transport/forwarding services to the party that issued the instructions for those services stating the actual details, terms and conditions (charges when applicable) of the service and of the consignment involved. In addition it can be used for the exchange of contract information between carriers mutually.

	Pos. No.	Seg. ID	Name	Req. Des.	Max.Use	Group Repeat	Notes and Comments
M	0005	UNB	Interchange Header	M	1		
M	0010	UNH	Message Header	M	1		
M	0020	BGM	Beginning of Message	M	1		
M	0050	DTM	Date/Time/Period	M	3		
	0060	TSR	Transport Service Requirements	C	1		
	0100	CNT	Control Total	C	4		
M	0180		Segment Group 3: RFF	M		99	
M	0190	RFF	Reference	M	1		
	0460		Segment Group 8: TDT-SG9	C		1	
M	0470	TDT	Details of Transport	M	1		
	0500		Segment Group 9: LOC	C		5	
M	0510	LOC	Place/Location Identification	M	1		
	0560		Segment Group 11: NAD	C		99	
M	0570	NAD	Name and Address	M	1		
	0890		Segment Group 18: GID-PIA-FTX-SG20-SG27-SG30	C		999	
M	0900	GID	Goods Item Details	M	1		
	0970	PIA	Additional Product Id	C	2		
	0980	FTX	Free Text	C	99		
	1040		Segment Group 20: MEA	C		99	
M	1050	MEA	Measurements	M	1		
	1260		Segment Group 27: SGP-SG28	C		999	
M	1270	SGP	Split Goods Placement	M	1		
	1290		Segment Group 28: MEA	C		2	
M	1300	MEA	Measurements	M	1		
	1410		Segment Group 30: DGS-SG31	C		99	
M	1420	DGS	Dangerous Goods	M	1		
	1440		Segment Group 31: CTA-COM	C		1	
M	1450	CTA	Contact Information	M	1		
	1460	COM	Communication Contact	C	1		
	1550		Segment Group 35: EQD-MEA-SEL-TMP	C		999	
M	1560	EQD	Equipment Details	M	1		

	1590	MEA	Measurements	C	3
	1610	SEL	Seal Number	C	99
	1640	TMP	Temperature	C	1
M	1870	UNT	Message Trailer	M	1

Segment: UNB Interchange Header

Position: 0005
Group:
Level: 0
Usage: Mandatory
Max Use: 1
Purpose: To start, identify and specify an interchange
Dependency Notes:
Semantic Notes:
Comments:
Notes: UNB+UNOC:3+MSCU:ZZZ+YOUREDICODE:ZZZ+071019:1430+100++++++1

Data Element Summary

Attributes	Data Element	Component Element	Name	Req/Repeat/Repr	
M	**S001**		**SYNTAX IDENTIFIER**	**M**	**1**
			Identification of the agency controlling the syntax and indication of syntax level.		
M		**0001**	**Syntax identifier**	**M**	**a4**
			Coded identification of the agency controlling a syntax and syntax level used in an interchange.		
			UNOC UN/ECE level C		
			As defined in ISO 8859-1 : Information processing - Part 1: Latin alphabet No. 1.		
			Latin Alphabet 1 includes the 'at' sign '@' (character 64) as used in email addresses.		
M		**0002**	**Syntax version number**	**M**	**n1**
			Version number of the syntax identified in the syntax identifier (0001).		
			3 Version 3		
			ISO 9735 Amendment 1:1992.		
M	**S002**		**INTERCHANGE SENDER**	**M**	**1**
			Identification of the sender of the interchange.		
M		**0004**	**Sender identification**	**M**	**an..35**
			Name or coded representation of the sender of a data interchange.		
			MSC SCAC Code: MSCU		
		0007	**Partner identification code qualifier**	**C**	**an..4**
			Qualifier referring to the source of codes for the identifiers of interchanging partners.		
			Accepted values:		
			ZZZ Mutually defined		
M	**S003**		**INTERCHANGE RECIPIENT**	**M**	**1**
			Identification of the recipient of the interchange.		
M		**0010**	**Recipient identification**	**M**	**an..35**
			Name or coded representation of the recipient of a data interchange.		
			Customer / Partner EDI code		
		0007	**Partner identification code qualifier**	**C**	**an..4**
			Qualifier referring to the source of codes for the identifiers of interchanging partners.		
			Accepted Values:		
			ZZZ Mutually defined		
M	**S004**		**DATE AND TIME OF PREPARATION**	**M**	**1**
			Date and time of preparation of the interchange.		

M		**0017**	**Date of preparation**	**M**		**n6**
			Local date when an interchange or a functional group was prepared.			
			Format YYMMDD			
M		**0019**	**Time of preparation**	**M**		**n4**
			Local time of day when an interchange or a functional group was prepared.			
			Assumed to be UTC (GMT) Time. The twenty-four hour clock system must be used to express time. Time must be expressed and transmitted by means of four figures, the first two denoting the hour past midnight and the last two the minutes past the hour. Examples : 12:45 a.m. is expressed as 0045 12:00 noon is expressed as 1200 11:45 p.m. is expressed as 2345 12:00 midnight is expressed as 0000 1:30 a.m. is expressed as 0130 1:45 p.m. is expressed as 1345 4:30 p.m. is expressed as 1630			
M	**0020**		**INTERCHANGE CONTROL REFERENCE**	**M**	**1**	**an..14**
			Unique reference assigned by the sender to an interchange.			
	0035		**TEST INDICATOR**	**C**	**1**	**n1**
			Indication that the interchange is a test. Refer to D.99B Data Element Dictionary for acceptable code values.			

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 Instruction contract status message is IFTMCS.
Note: Instruction contract status messages conforming to this document must contain the following data in segment UNH, composite S009
Dependency Notes:
Semantic Notes:
Comments:
Notes: UNH+80+IFTMCS:D:99B:UN:2.0

Data Element Summary

Attributes	Data Element	Component Element	Name	Req/Repeat/Repr		
M	**0062**		**MESSAGE REFERENCE NUMBER**	**M**	**1**	**an..14**
			Unique message reference assigned by the sender.			
M	**S009**		**MESSAGE IDENTIFIER**	**M**	**1**	
			Identification of the type, version etc. of the message being interchanged.			
M		**0065**	**Message type identifier**	**M**		**an..6**
			Code identifying a type of message and assigned by its controlling agency.			
			Accepted Values:			
			IFTMCS — Instruction contract status message A code to identify the instruction contract status message.			
M		**0052**	**Message type version number**	**M**		**an..3**
			Version number of a message type.			
			Accepted Values:			
			D — Draft version/UN/EDIFACT Directory Message approved and issued as a draft message (Valid for directories published after March 1993 and prior to March 1997). Message approved as a standard message (Valid for directories published after March 1997).			
M		**0054**	**Message type release number**	**M**		**an..3**
			Release number within the current message type version number (0052).			
			Accepted Values:			
			99B — Release 1999 - B Message approved and issued in the second 1999 release of the UNTDID (United Nations Trade Data Interchange Directory).			
M		**0051**	**Controlling agency**	**M**		**an..2**
			Code identifying the agency controlling the specification, maintenance and publication of the message type.			
			Accepted Values:			
			UN — UN/CEFACT United Nations Centre for the Facilitation of procedures and practices for Administration, Commerce and Transport (UN/CEFACT).			
		0057	**Association assigned code**	**C**		**an..6**
			Code, assigned by the association responsible for the design and maintenance of the message type concerned, which further identifies the message.			
	0068		**COMMON ACCESS REFERENCE**	**C**	**1**	**an..35**

			Reference serving as a key to relate all subsequent transfers of data to the same business case or file.			
	S010		**STATUS OF THE TRANSFER**	**C**	**1**	
			Statement that the message is one in a sequence of transfers relating to the same topic.			
M		**0070**	**Sequence message transfer number**	**M**	**n..2**	
			Number assigned by the sender indicating that the message is an addition or change of a previously sent message relating to the same topic.			
		0073	**First/last sequence message transfer indication**	**C**	**a1**	
			Indication used for the first and last message in a sequence of the same type of message relating to the same topic. Refer to D.99B Data Element Dictionary for acceptable code values.			

Segment: **BGM** **Beginning of Message**
Position: 0020
Group:
Level: 0
Usage: Mandatory
Max Use: 1
Purpose: A segment to indicate the beginning of a message and to transmit identifying number and type of the message.
Dependency Notes:
Semantic Notes:
Comments:
Notes: BGM+705+6141411234567890+14

Data Element Summary

Data Element	Component Element	Name	Req/Repeat/Repr Attributes		
C002		**DOCUMENT/MESSAGE NAME**	**C**	**1**	
		Identification of a type of document/message by code or name. Code preferred.			
	1001	**Document name code**	**C**		**an..3**
		Code specifying the document name.			
		Accepted Values:			
		705 Bill of Lading			
		710 Sea waybill			
C106		**DOCUMENT/MESSAGE IDENTIFICATION**	**C**	**1**	
		Identification of a document/message by its number and eventually its version or revision.			
	1004	**Document/message number**	**C**		**an..35**
		Reference number assigned to the document/message by the issuer.			
		MSC Bill of Lading number			
1225		**MESSAGE FUNCTION CODE**	**C**	**1**	**an..3**
		Code indicating the function of the message.			
		Accepted Values:			
		22 Final transmission			
		Final message in a related series of messages together making up a commercial, administrative or transport transaction.			

Segment: **DTM** **Date/Time/Period**
Position: 0050
Group:
Level: 1
Usage: Mandatory
Max Use: 3
Purpose: A segment to indicate a date and time applying to the whole message, e.g., date and time of message generation
Dependency Notes:
Semantic Notes:
Comments:
Notes:

DTM+137:200710190700:203
or
DTM+342:200710111900:203

- The date the bill of lading transaction was assembled (0050 DTM C507 2005 = 137)
- The date goods were received for shipment (0050 DTM C507 2005 = 342)

Notes:
- Document date is MANDATORY for all bill of lading transactions.
- Only one instance of each date type is allowed.

Data Element Summary

Attributes	Data Element	Component Element	Name	Req/Repeat/Repr	
M	**C507**		**DATE/TIME/PERIOD**	**M**	**1**
			Date and/or time, or period relevant to the specified date/time/period type.		
M		**2005**	**Date/time/period function code qualifier**	**M**	**an..3**
			Code giving specific meaning to a date, time or period.		
			137 Document/message date/time		
			342 On-board date		
		2380	**Date/time/period value**	**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 code**	**C**	**an..3**
			Code specifying the representation of a date, time or period.		
			102 CCYYMMDD		
			Calendar date: C = Century ; Y = Year ; M = Month ; D = Day.		
			203 CCYYMMDDHHMM		
			Calendar date including time with minutes: C=Century; Y=Year; M=Month; D=Day; H=Hour; M=Minutes.		

Segment: **TSR** **Transport Service Requirements**
Position: 0060
Group:
Level: 0
Usage: Conditional (Optional)
Max Use: 1
Purpose: A segment to identify the contract, conditions of carriage, services, and priority requirements for the transport.
Dependency Notes:
Semantic Notes:
Comments:
Notes: TSR+30+2

Data Element Summary

Data Element	Component Element	Name	Req/Repeat/Repr	
C536		**CONTRACT AND CARRIAGE CONDITION**	**C**	**1**
		To identify a contract and carriage condition.		
M	**4065**	**Contract and carriage condition code**	**M**	**an..3**
		Code to identify the conditions of contract and carriage.		
		27 Door-to-door MSC is responsible for the intermodal carriage of cargo including both the pre-carriage and the on-carriage.		
		28 Door-to-pier MSC is responsible for the intermodal carriage of cargo including the pre-carriage, but excluding the on-carriage.		
		29 Pier-to-door MSC is responsible for the intermodal carriage of cargo including the on-carriage, but excluding the pre-carriage.		
		30 Pier-to-pier MSC of intermodal cargo is only responsible for the main carriage.		
C233		**SERVICE**	**C**	**1**
		To identify a service (which may constitute an additional component to a basic contract).		
M	**7273**	**Service requirement code**	**M**	**an..3**
		Code specifying a service requirement.		
		Accepted Values:		
		2 Full loads Container to be stuffed or stripped under responsibility and for account of the shipper or the consignee.		
		3 Less than full loads Container to be stuffed and stripped for account and risk of the carrier. Used to indicate LCL or Part Container loads		
	3055	**Code list responsible agency code**	**C**	**an..3**
		Code specifying the agency responsible for a code list.		
		Refer to D.99B Data Element Dictionary for acceptable code values.		

Segment: **CNT** **Control Total**
Position: 0100
Group:
Level: 1
Usage: Conditional (Optional)
Max Use: 4
Purpose: A segment to specify totals for a consignment.
Dependency Notes:
Semantic Notes:
Comments:
Notes: CNT+7:40000:KGM

Notes:

Package and Equipment counts must be presented as whole numbers with no separation or decimal components.

Measurement value (C270,6066) and UOM qualifier (C270,6411) must be present if Weight and/or Volume are provided.

All numeric values must conform to below rules:
- Decimal must be represented using the dot ('.')
- Group separators are invalid:

1. Weight: Maximum 3 bytes of precision allowed:
examples: valid - "1000.123" invalid - "1,000.123", "1.000,123"

2. Volume: Maximum 4 bytes of precision allowed:
examples: valid - "1000.1234" invalid - "1,000.1234", "1.000,1234"

Data Element Summary

Attributes	Data Element	Component Element	Name		Req/Repeat/Repr	
M	**C270**		**CONTROL**		**M**	**1**
			Control total for checking integrity of a message or part of a message.			
M		**6069**	**Control total type code qualifier**		**M**	**an..3**
			Code qualifying the type of control of hash total.			
			Accepted Values:			
			7	Total gross weight Code to indicate total gross weight of a consignment. Total shipment gross weight (Cargo weight including tare)		
			11	Total number of packages [7370] Total number of packages of the entire consignment.		
			15	Total consignment, cube The total cube of consignment.		
			16	Total number of equipment Total number of equipment mentioned in the message.		
M		**6066**	**Control value**		**M**	**n..18**
			Value obtained from summing the values specified by the Control Qualifier throughout the message (Hash total).			
		6411	**Measurement unit code**		**C**	**an..3**
			Code specifying the unit of measurement.			

If element C270,6069 equals 7(gross weight) or 15(cubic dimension), this value is MANDATORY.

If element C270,6069 equals 11(total packages) or 16 (total containers), this element must be blank.

Accepted values:

FTQ	Cubic Feet
	Volume unit of measurement
KGM	Kilograms
	Weight unit of measurement
LBR	Pounds
	Weight unit of measurement
MTQ	Cubic Meters
	Volume unit of measurement

Group: **RFF** **Segment Group 3: Reference**
Position: 0180
Group:
Level: 1
Usage: Mandatory
Max Use: 99
Purpose: A group of segments containing a reference and constants which apply to the entire message.

Segment Summary

	Pos. No.	Seg. ID	Name	Req. Des.	Max. Use	Group: Repeat
M	0190	RFF	Reference	M	1	

Segment: **RFF** **Reference**
Position: 0190 (Trigger Segment)
Group: Segment Group 3 (Reference) Mandatory
Level: 1
Usage: Mandatory
Max Use: 1
Purpose: A segment to express a reference which applies to the entire message such as: the document/message number that is to be updated by this very message (according to data element 1225 Message function code in segment BGM), booking reference, order number, insurance contract, etc.
Dependency Notes:
Semantic Notes:
Comments:
Notes: RFF+BM:BL NUMBER

Notes:
- MSC Bill of Lading (BM) will be provided
- Multiple references per qualifier are allowed except for Bill of Lading (BM).

Data Element Summary

Attributes	Data Element	Component Element	Name		Req/Repeat/Repr	
M	**C506**		**REFERENCE**		**M**	**1**
			Identification of a reference.			
M		**1153**	**Reference function code qualifier**		**M**	**an..3**
			Code giving specific meaning to a reference segment or a reference number.			
			Accepted Values:			
			BM	Bill of lading number		
				Reference number assigned to a bill of lading, see: 1001 = 705.		
				MSC Bill of Lading Number		
			BN	Booking reference number		
				[1016] Reference number assigned by the carrier or his agent when cargo space is reserved prior to loading.		
				MSC Booking Number		
			ON	Order number (purchase)		
				[1022] Reference number assigned by the buyer to an order.		
				Used only if the PO number applies to all commodities on the Shipping Instruction.		
			SI	SID (Shipper's identifying number for shipment)		
				Description to be provided.		
			ZZZ	Mutually defined reference number		
				Number based on party agreement.		
				Reference Number provided in the Shipping Instruction Message (IFTMIN) Note: - Value can be taken from either the shipping instruction document number or the shipping instruction references.		
M		**1154**	**Reference identifier**		**M**	**an..35**
			Identifies a reference.			

Group: **TDT** **Segment Group 8: Details of Transport**
Position: 0460
Group:
Level: 1
Usage: Conditional (Optional)
Max Use: 1
Purpose: A group of segments to indicate details of the movement of goods such as mode and means of transport, locations, departure, and arrival date(s) and time(s).

Segment Summary

	Pos. No.	Seg. ID	Name	Req. Des.	Max. Use	Group: Repeat
M	0470	TDT	Details of Transport	M	1	
	0500		Segment Group 9: Place/Location Identification	C		5

Segment: **TDT** **Details of Transport**
Position: 0470 (Trigger Segment)
Group: Segment Group 8 (Details of Transport) Conditional (Optional)
Level: 1
Usage: Mandatory
Max Use: 1
Purpose: A segment to indicate information related to a certain stage of the transport, such as mode, means and carrier.
Dependency Notes:
Semantic Notes:
Comments:
Notes: TDT+20+VOY398+1+13:OCEAN VESSEL+MSCU:172:182+++LLOYDS CD::11:VESSEL NAME:DE

Notes:
- The Vessel and Voyage details printed on the Bill of Lading will be provided.

Data Element Summary

Attributes	Data Element	Component Element	Name		Req/Repeat/Repr		
M	**8051**		**TRANSPORT STAGE CODE QUALIFIER**		**M**	**1**	**an..3**
			Code qualifying a specific stage of transport.				
			Accepted Values:				
			20	Main-carriage transport The primary stage in the movement of cargo from the point of origin to the intended destination.			
	8028		**CONVEYANCE REFERENCE NUMBER**		**C**	**1**	**an..17**
			Unique reference given by the carrier to a certain journey or departure of a means of transport (generic term).				
			Voyage number				
	C220		**MODE OF TRANSPORT**		**C**	**1**	
			Method of transport code or name. Code preferred.				
		8067	**Transport mode name code**		**C**		**an..3**
			Code specifying the name of a mode of transport.				
			Accepted Values:				
			1	Maritime			
	C228		**TRANSPORT MEANS**		**C**	**1**	
			Code and/or name identifying the type of means of transport.				
		8179	**Transport means description code**		**C**		**an..8**
			Code specifying the means of transport.				
			Accepted Values:				
			8	Container ship Vessel capable of carrying containers and other cargo.			
			11	Ship A large vessel navigating deep water.			
			13	Ocean vessel An ocean-going vessel that is not a ship.			
			16	Barge A category of boat used to transport material over water.			
		8178	**Transport means description**		**C**		**an..17**
			Free form description of the means of transport.				
	C040		**CARRIER**		**C**	**1**	
			Identification of a carrier by code and/or by name. Code preferred.				

M		**3127**	**Carrier identification**	**M**		**an..17**
			Identification of party undertaking or arranging transport of goods between named points.			
			MSC SCAC Code: MSCU			
M		**1131**	**Code list identification code**	**M**		**an..3**
			Identification of a code list.			
			If C040,3127 is populated this element must also be sent. Accepted Values:			
			172 Carriers Code list identifying carriers.			
M		**3055**	**Code list responsible agency code**	**M**		**an..3**
			Code specifying the agency responsible for a code list.			
			If C040,1131 is populated this element must also be sent. Accepted Values:			
			182 US, Standard Carrier Alpha Code (Motor) Organisation maintaining the SCAC lists and transportation operating in North America.			
	C222		**TRANSPORT IDENTIFICATION**	**C**	**1**	
			Code and/or name identifying the means of transport.			
		8213	**Transport means identification name identifier**	**C**		**an..9**
			Identifies the name of the transport means.			
			Lloyd's code of the vessel used in transport.			
		3055	**Code list responsible agency code**	**C**		**an..3**
			Code specifying the agency responsible for a code list.			
			If C222,8213 is populated this element must also be sent. Accepted Values:			
			11 Lloyd's register of shipping A register of ocean going vessels maintained by Lloyd's of London.			
		8212	**Transport means identification name**	**C**		**an..35**
			Name identifying a means of transport.			
			Vessel name			
		8453	**Nationality of means of transport, coded**	**C**		**an..3**
			Coded name of the country in which a means of transport is registered.			
			Country code of Ship's Flag. Must be a valid 2 Character ISO code			

Group: **LOC** **Segment Group 9: Place/Location Identification**
Position: 0500
Group: Segment Group 8 (Details of Transport) Conditional (Optional)
Level: 2
Usage: Conditional (Optional)
Max Use: 5
Purpose: A group of segments to specify a location and date/time related to this leg of transport.

Segment Summary

	Pos. No.	Seg. ID	Name	Req. Des.	Max. Use	Group: Repeat
M	0510	LOC	Place/Location Identification	M	1	

Segment: **LOC** **Place/Location Identification**
Position: 0510 (Trigger Segment)
Group: Segment Group 9 (Place/Location Identification) Conditional (Optional)
Level: 2
Usage: Mandatory
Max Use: 1
Purpose: A segment to indicate a location such as origin, destination, stop off, etc. related to this leg of transport.
Dependency Notes:
Semantic Notes:
Comments:
Notes:

LOC+9+USNYC:181:6:NEW YORK
or
LOC+88+USNYC:181:6:NEW YORK++:::NY
or
LOC+7+NLRTM:181:6:ROTTERDAM+NL:162:5
or
LOC+11+NLRTM:181:6:ROTTERDAM+NL:162:5

Location code (C517,3225) and/or Location name (C517,3224) will be provided.

Data Element Summary

Attributes	Data Element	Component Element	Name	Req/Repeat/Repr
M	**3227**		**LOCATION FUNCTION CODE QUALIFIER** Code identifying the function of a location. Accepted Values: 7 Place of delivery (3246) Place to which the goods are to be finally delivered under transport contract terms (operational term). Used to indicate the Contractual Place of Delivery. 9 Place/port of loading (3334 + 3230) Seaport, airport, freight terminal, rail station or other place at which the goods (cargo) are loaded on to the means of transport being used for their carriage. Used to indicate the Contractual Port of Load. 11 Place/port of discharge (3392 + 3414) Seaport, airport, freight terminal, rail station or other place at which the goods (cargo) are unloaded from the means of transport having been used for their carriage. Used to indicate the Contractual Port of Discharge. 88 Place of receipt Identification of the location at which the cargo is actually received. Used to indicate the Contractual Place of Receipt	**M 1 an..3**
	C517		**LOCATION IDENTIFICATION** Identification of a location by code or name.	**C 1**
		3225	**Location name code** Code specifying the name of the location. Unlocode or Carrier Geography Alias must always be provided for Ports of Load and Discharge. When C517,3225 is populated then C517,3055 must also be provided.	**C an..25**

		If there is no UNLOC or carrier assigned alias, this field must be blank and port name must be transmitted in element C517,3224.			
	1131	**Code list identification code**	**C**		**an..3**
		Identification of a code list.			
		If C517,3225 is populated this element must also be sent. Accepted Values:			
		181 Activity Code identifying activities.			
	3055	**Code list responsible agency code**	**C**		**an..3**
		Code specifying the agency responsible for a code list.			
		Left blank if only City name (element 3224) is used. If C517, 3055 is populated C517,3225 must also be provided. Accepted Values:			
		6 UN/ECE (United Nations - Economic Commission for Europe)			
	3224	**Location name**	**C**		**an..256**
		Name of the location.			
C519		**RELATED LOCATION ONE IDENTIFICATION**	**C**	**1**	
		Identification the first related location by code or name.			
	3223	**Related place/location one identification**	**C**		**an..25**
		Specification of the first related place/location by code.			
		2-Character ISO Country Code			
	1131	**Code list identification code**	**C**		**an..3**
		Identification of a code list.			
		If C519,3223 is populated this element must also be sent. Accepted Values:			
		162 Country Identification of a country.			
	3055	**Code list responsible agency code**	**C**		**an..3**
		Code specifying the agency responsible for a code list.			
		If C519,3223 is populated this element must also be sent. Accepted Values:			
		5 ISO (International Organization for Standardization)			
	3222	**Related place/location one**	**C**		**an..70**
		Specification of the first related place/location by name.			
		Country Name			

Group: **NAD** **Segment Group 11: Name and Address**
Position: 0560
Group:
Level: 1
Usage: Conditional (Optional)
Max Use: 99
Purpose: A group of segments to identify a party, related references, locations contacts, required documents, and charges to be paid by the party.

Segment Summary

	Pos. No.	Seg. ID	Name	Req. Des.	Max. Use	Group: Repeat
M	0570	NAD	Name and Address	M	1	

Segment: **NAD** **Name and Address**
Position: 0570 (Trigger Segment)
Group: Segment Group 11 (Name and Address) Conditional (Optional)
Level: 1
Usage: Mandatory
Max Use: 1
Purpose: A segment to identify the party's name, address, and function.
Dependency Notes:
Semantic Notes:
Comments:
Notes: NAD+BL+553049:160:87++BL RECIPIENT+STREET ADDRESS:CITY STATE ZIP:COUNTRY
or
NAD+CA+SCAC:160:87++CARRIER NAME
or
NAD+BL+553049:160:87++BL RECIPIENTS CO NAME EXCEEDS 35 CHA:RACTERS+STREET ADDRESS1:STREET ADDRESS2:CITY STATE ZIP:COUNTRY
or
NAD+CZ+++SHIPPER+STREET ADDRESS:CITY STATE ZIP:COUNTRY

Data Element Summary

Attributes	Data Element	Component Element	Name	Req/Repeat/Repr
M	**3035**		**PARTY FUNCTION CODE QUALIFIER** Code giving specific meaning to a party. Accepted Values: CA Carrier (3126) Party undertaking or arranging transport of goods between named points. CN Consignee (3132) Party to which goods are consigned. CZ Consignor (3336) Party which, by contract with a carrier, consigns or sends goods with the carrier, or has them conveyed by him. Synonym: shipper, sender. Shipper. FC Contractor, main Firm or grouping of co-contractors which has been awarded the contract. Contract Party FW Freight forwarder Party arranging forwarding of goods. N1 Notify party no. 1 The first party which is to be notified. N2 Notify party no. 2 The second party which is to be notified. ZZZ Mutually defined Party specification mutually agreed between interchanging parties. This party is provided upon additional agreement with MSC.	**M 1 an..3**
	C082		**PARTY IDENTIFICATION DETAILS**	**C 1**

			Identification of a transaction party by code.			
M		**3039**	**Party identifier** Code specifying the identity of a party.	**M**		**an..35**
		1131	**Code list identification code** Identification of a code list.	**C**		**an..3**
			Accepted Values:			
			160 Party identification Identification of parties, corporates, etc.			
		3055	**Code list responsible agency code** Code specifying the agency responsible for a code list.	**C**		**an..3**
			Accepted Values:			
			87 Assigned by carrier Codes assigned by the carrier. ZZZ Mutually defined			
	C080		**PARTY NAME** Identification of a transaction party by name, one to five lines. Party name may be formatted.	**C**	**1**	
			Used to indicate company name and address			
M		**3036**	**Party name** Name of a party involved in a transaction.	**M**		**an..35**
			Use for Party Name and Address.			
		3036	**Party name** Name of a party involved in a transaction.	**C**		**an..35**
			Use for Party Name and Address.			
	C059		**STREET** Street address and/or PO Box number in a structured address: one to four lines.	**C**	**1**	
			Used to indicate company name and address.			
M		**3042**	**Street and number/p.o. box** Street and number in plain language, or Post Office Box No.	**M**		**an..35**
			Use for Party Name and Address.			
		3042	**Street and number/p.o. box** Street and number in plain language, or Post Office Box No.	**C**		**an..35**
			Use for Party Name and Address.			
		3042	**Street and number/p.o. box** Street and number in plain language, or Post Office Box No.	**C**		**an..35**
			Use for Party Name and Address.			
		3042	**Street and number/p.o. box** Street and number in plain language, or Post Office Box No.	**C**		**an..35**
			Use for Party Name and Address.			

Group: **GID** **Segment Group 18: Goods Item Details**
Position: 0890
Group:
Level: 1
Usage: Conditional (Optional)
Max Use: 999
Purpose: A group of segments to describe the goods items for which transport is undertaken.

Segment Summary

	Pos. No.	Seg. ID	Name	Req. Des.	Max. Use	Group: Repeat
M	0900	GID	Goods Item Details	M	1	
	0970	PIA	Additional Product Id	C	2	
	0980	FTX	Free Text	C	99	
	1040		Segment Group 20: Measurements	C		99
	1260		Segment Group 27: Split Goods Placement	C		999
	1410		Segment Group 30: Dangerous Goods	C		99

Segment: **GID** **Goods Item Details**
Position: 0900 (Trigger Segment)
Group: Segment Group 18 (Goods Item Details) Conditional (Optional)
Level: 1
Usage: Mandatory
Max Use: 1
Purpose: A segment to identify a goods item for which transport is undertaken. A goods item can be identified by up to three levels of packaging.
Dependency Notes:
Semantic Notes:
Comments:
Notes:

GID+1+2:CT:67:6:CARTON

Notes:
- GID sequence number (element 1496) will increment for each different outer package type.
- MSC provides only outer packaging information in GID segments.

Basic GID construct:

GID+1+7:CR:67:6:CRATES' (outer pack)
FTX+AAA+++BALL BEARINGS'
MEA+AAE+WT+KGM:7000' (weight of outer pack)
MEA+AAW+WT+MTQ:34' (volume of outer pack)
SGP+MSCU1234567+7' (7 crates in this container)
GID+1++28:CT:67:6:CARTONS' (first inner pack)
MEA+AAE+WT+KGM:6950' (weight of inner pack)
SGP+MSCU1234567+28 (28 cartons in this container)

Data Element Summary

Attributes	Data Element	Component Element	Name	Req/Repeat/Repr		
M	**1496**		**GOODS ITEM NUMBER**	**M**	**1**	**n..5**
			Serial number differentiating each separate goods item entry of a consignment as contained in one document/declaration.			
	C213		**NUMBER AND TYPE OF PACKAGES**	**C**	**1**	
			Number and type of individual parts of a shipment.			
M		**7224**	**Number of packages**	**M**		**n..8**
			Number of individual parts of a shipment either unpacked, or packed in such a way that they cannot be divided without first undoing the packing.			
			Number of Outer Packages. Note: Must be a valid whole number (no commas or decimals).			
		7065	**Package type description code**	**C**		**an..17**
			Code specifying the type of package.			
			2-character UN/ECE recommendation 21, revision 6 package codes. Note: For outer package, either the package code or description is mandatory.			
		1131	**Code list identification code**	**C**		**an..3**
			Identification of a code list.			
			If C213, 7065 is populated this element must also be sent. Accepted Values: 67 Type of package Indication of the type of package codes.			

3055	**Code list responsible agency code**	**C**	**an..3**

Code specifying the agency responsible for a code list.

If C213,7065 is populated this element must also be sent.

Accepted Values:

6	UN/ECE (United Nations - Economic Commission for Europe)

7064	**Type of packages**	**C**	**an..35**

Description of the form in which goods are presented.

Package type description.

Note: For outer package, either the package code or description is mandatory

Segment: **PIA** **Additional Product Id**
Position: 0970
Group: Segment Group 18 (Goods Item Details) Conditional (Optional)
Level: 2
Usage: Conditional (Optional)
Max Use: 2
Purpose: A segment to specify article numbers.
Dependency Notes:
Semantic Notes:
Comments:
Notes: PIA+5+HARMONIZED CODE:HS

Data Element Summary

Attributes	Data Element	Component Element	Name	Req/Repeat/Repr		
M	**4347**		**PRODUCT ID. FUNCTION QUALIFIER** Indication of the function of the product code. Accepted values: 5 Product identification	**M**	**1**	**an..3**
M	**C212**		**ITEM NUMBER IDENTIFICATION** Goods identification for a specified source.	**M**	**1**	
M		**7140**	**Item number** A number allocated to a group or item. Harmonized tariff system code Example: 010190	**M**		**an..35**
M		**7143**	**Item type identification code** Code specifying an item code. Accepted Values: HS Harmonised system	**M**		**an..3**

Segment: **FTX** **Free Text**
Position: 0980
Group: Segment Group 18 (Goods Item Details) Conditional (Optional)
Level: 2
Usage: Conditional (Optional)
Max Use: 99
Purpose: A segment to specify processable supplementary information relating to the goods item.
Dependency Notes:
Semantic Notes:
Comments:
Notes: FTX+AAA+++CARGO DESCRIPTION

Notes:

- Multiple FTX segments can be used for cargo description.
- Line size is up to the MSC's discretion

Data Element Summary

Attributes	Data Element	Component Element	Name	Req/Repeat/Repr
M	**4451**		**TEXT SUBJECT CODE QUALIFIER** Code specifying the subject of the text. Supplied Values: AAA Goods description [7002] Plain language description of the nature of the goods sufficient to identify them at the level required for banking, Customs, statistical or transport purposes, avoiding unnecessary detail (Generic term).	**M 1 an..3**
	C108		**TEXT LITERAL** Free text; one to five lines.	**C 1**
M		**4440**	**Free text value** Free form text.	**M an..512**

Group: **MEA** **Segment Group 20: Measurements**
Position: 1040
Group: Segment Group 18 (Goods Item Details) Conditional (Optional)
Level: 2
Usage: Conditional (Optional)
Max Use: 99
Purpose: A group of segments to specify measurements applicable to a goods item.

Segment Summary

	Pos. No.	Seg. ID	Name	Req. Des.	Max. Use	Group: Repeat
M	1050	MEA	Measurements	M	1	

Segment: **MEA** **Measurements**
Position: 1050 (Trigger Segment)
Group: Segment Group 20 (Measurements) Conditional (Optional)
Level: 2
Usage: Mandatory
Max Use: 1
Purpose: A segment to specify measurements, other than dimensions, applicable to a goods item.
Dependency Notes:
Semantic Notes:
Comments:
Notes: MEA+AAE+G+KGM:3000
or
MEA+AAE+AAW+MTQ:300

All weight and volume values will conform to below rules:
- Decimal will be represented using the dot ('.').
- Group separators will not be sent.

1. Weight: Maximum 3 digits of precision allowed:
examples: valid - "1000.123" invalid - "1,000.123", "1.000,123"

2. Volume: Maximum 4 digits of precision allowed:
examples: valid - "1000.1234" invalid - "1,000.1234", "1.000,1234"

Data Element Summary

Attributes	Data Element	Component Element	Name		Req/Repeat/Repr		
M	**6311**		**MEASUREMENT ATTRIBUTE CODE**		**M**	**1**	**an..3**
			Code specifying the measurement attribute.				
			Supplied Values:				
			AAE	Measurement			
				[6314] Value of the measured unit.			
M	**C502**		**MEASUREMENT DETAILS**		**M**	**1**	
			Identification of measurement type.				
M		**6313**	**Measured attribute code**		**M**		**an..3**
			Code specifying the attribute measured.				
			Supplied Values:				
			AAW	Gross volume			
				The observed volume unadjusted for factors such as temperature or gravity.			
				Total cubic displacement of the package.			
			G	Gross weight			
				[6292] Weight (mass) of goods including packing but excluding the carrier's equipment.			
M	**C174**		**VALUE/RANGE**		**M**	**1**	
			Measurement value and relevant minimum and maximum values of the measurement range.				
M		**6411**	**Measurement unit code**		**M**		**an..3**
			Code specifying the unit of measurement.				
			Supplied Values:Supplied Values:Supplied Values:Supplied Values:Supplied Values:Supplied Values:Supplied Values:Supplied Values:Supplied Values:Supplied Values:				
			FTQ	Cubic Feet			
				Volume unit of measurement			
			KGM	Kilograms			

			Weight unit of measurement		
		LBR	Pounds		
			Weight unit of measurement		
		MTQ	Cubic Meters		
			Volume unit of measurement		
M	**6314**	**Measurement value**		**M**	**an..18**
		Value of the measured unit.			
		Weight and/or Volume of package.			

Group: **SGP** **Segment Group 27: Split Goods Placement**
Position: 1260
Group: Segment Group 18 (Goods Item Details) Conditional (Optional)
Level: 2
Usage: Conditional (Optional)
Max Use: 999
Purpose: A group of segments to specify the distribution of a goods item among the transport equipment.

Segment Summary

	Pos. No.	Seg. ID	Name	Req. Des.	Max. Use	Group: Repeat
M	1270	SGP	Split Goods Placement	M	1	
	1290		Segment Group 28: Measurements	C		2

Segment: **SGP** **Split Goods Placement**
Position: 1270 (Trigger Segment)
Group: Segment Group 27 (Split Goods Placement) Conditional (Optional)
Level: 2
Usage: Mandatory
Max Use: 1
Purpose: A segment to identify the equipment in which goods are transported.
Dependency Notes:
Semantic Notes:
Comments:
Notes: SGP+CONTAINER NUMBER+2

The SGP segment is used to indicate the portion of a commodity that is loaded in a specific container.

If supplied, container details (1270 EQD) will also be sent.

Notes:

- MEA segments under the SGP will report the weight and if available, volume of the commodity within that container.
- In the case of Split Goods (same commodity within multiple containers), the SGP segment will repeat within the GID set for each container.
- A container number can appear only once per GID.
- Each distinct container number listed in an SGP (element C237, 8260) will have a matching container number in an EQD segment.

Data Element Summary

Attributes	Data Element	Component Element	Name	Req/Repeat/Repr		
M	**C237**		**EQUIPMENT IDENTIFICATION**	**M**	**1**	
			Marks (letters/numbers) identifying equipment.			
M		**8260**	**Equipment identification number**	**M**		**an..17**
			Marks (letters and/or numbers) which identify equipment e.g. unit load device.			
			Container Number			
	7224		**NUMBER OF PACKAGES**	**C**	**1**	**n..8**
			Number of individual parts of a shipment either unpacked, or packed in such a way that they cannot be divided without first undoing the packing.			
			Number of outer packages (a valid whole number with no decimal or commas).			

Group: **MEA** **Segment Group 28: Measurements**
Position: 1290
Group: Segment Group 27 (Split Goods Placement) Conditional (Optional)
Level: 3
Usage: Conditional (Optional)
Max Use: 2
Purpose: A group of segments to identify measurements.

Segment Summary

	Pos. No.	Seg. ID	Name	Req. Des.	Max. Use	Group: Repeat
M	1300	MEA	Measurements	M	1	

Segment: **MEA** **Measurements**
Position: 1300 (Trigger Segment)
Group: Segment Group 28 (Measurements) Conditional (Optional)
Level: 3
Usage: Mandatory
Max Use: 1
Purpose: A segment to specify measurements of that portion of the goods item in the equipment.
Dependency Notes:
Semantic Notes:
Comments:
Notes:

MEA+AAE+G+KGM:3000
or
MEA+AAE+AAW+MTQ:300

MANDATORY in the case of Split Goods to report the weight within each container for outer pack level, but recommended in all cases. Volume is also recommended.

All weight and volume values will conform to below rules:
- Decimal will be represented using the dot ('.').
- Group separators will not be sent.

1. Weight: Maximum 3 digits of precision allowed:
examples: valid - "1000.123" invalid - "1,000.123", "1.000,123"

2. Volume: Maximum 4 digits of precision allowed:
examples: valid - "1000.1234" invalid - "1,000.1234", "1.000,1234"

Data Element Summary

Attributes	Data Element	Component Element	Name		Req/Repeat/Repr		
M	**6311**		**MEASUREMENT ATTRIBUTE CODE**		**M**	**1**	**an..3**
			Code specifying the measurement attribute.				
			Accepted Values:				
			AAE	Measurement			
				[6314] Value of the measured unit.			
M	**C502**		**MEASUREMENT DETAILS**		**M**	**1**	
			Identification of measurement type.				
M		**6313**	**Measured attribute code**		**M**		**an..3**
			Code specifying the attribute measured.				
			Accepted Values:				
			AAW	Gross volume			
				The observed volume unadjusted for factors such as temperature or gravity.			
			G	Gross weight			
				[6292] Weight (mass) of goods including packing but excluding the carrier's equipment.			
M	**C174**		**VALUE/RANGE**		**M**	**1**	
			Measurement value and relevant minimum and maximum values of the measurement range.				
M		**6411**	**Measurement unit code**		**M**		**an..3**
			Code specifying the unit of measurement.				
			Accepted values:				
			FTQ	Cubic Feet			
				Volume unit of measurement			
			KGM	Kilograms			

			Weight unit of measurement		
		LBR	Pounds		
			Weight unit of measurement		
		MTQ	Cubic Meters		
			Volume unit of measurement		
M	**6314**	**Measurement value**		**M**	**an..18**
		Value of the measured unit.			
		Weight and/or Volume of outer package.			

Group: **DGS** **Segment Group 30: Dangerous Goods**
Position: 1410
Group: Segment Group 18 (Goods Item Details) Conditional (Optional)
Level: 2
Usage: Conditional (Optional)
Max Use: 99
Purpose: A group of segments to specify dangerous goods details related to the goods item. One goods item may be in different dangerous goods classes.

Segment Summary

	Pos. No.	Seg. ID	Name	Req. Des.	Max. Use	Group: Repeat
M	1420	DGS	Dangerous Goods	M	1	
	1440		Segment Group 31: Contact Information	C		1

Segment: **DGS** **Dangerous Goods**
Position: 1420 (Trigger Segment)
Group: Segment Group 30 (Dangerous Goods) Conditional (Optional)
Level: 2
Usage: Mandatory
Max Use: 1
Purpose: A segment to indicate the class of dangerous goods, packing group, etc.
Dependency Notes:
Semantic Notes:
Comments:
Notes: DGS+IMD+3.2:456+4056+098:FAH'

Notes:
The Dangerous Goods details will apply to the package of the GID in which they appear.

Flash Point Temperature must conform to below rules:
- Decimal will be represented using the dot ('.').
- Temperature values will not include group separators.
- Temperature must contain 3 valid Numeric Digits, and may also contain a decimal and minus sign ('-').
- Maximum Precision of Temperature is 1.
- Negative Temperature will include a Minus sign ('-') and it will be in the first position of the element.
- Positive Temperature will be Unsigned.

Valid examples:
005, -005, -05.5, 55.2, 45.0

Data Element Summary

Attributes	Data Element	Component Element	Name	Req/Repeat/Repr		
M	**8273**		**DANGEROUS GOODS REGULATIONS CODE** Code specifying a dangerous goods regulation. Accepted Values: IMD — IMO IMDG code Regulations regarding the transportation of dangerous goods on ocean-going vessels issued by the International Maritime Organization.	**M**	**1**	**an..3**
M	**C205**		**HAZARD CODE** The identification of the dangerous goods in code.	**M**	**1**	
M		**8351**	**Hazard code identification** Dangerous goods code. IMO Class code	**M**		**an..7**
		8078	**Hazard substance/item/page number** Number giving additional hazard code classification of a goods item within the applicable dangerous goods regulation.	**C**		**an..7**
M	**C234**		**UNDG INFORMATION** Information on dangerous goods, taken from the United Nations Dangerous Goods classification.	**M**	**1**	
		7124	**UNDG number** Unique serial number assigned within the United Nations to substances and articles contained in a list of the dangerous goods most commonly carried.	**C**		**n4**
	C223		**DANGEROUS GOODS SHIPMENT FLASHPOINT** Temperature at which a vapor can be ignited as per ISO 1523/73.	**C**	**1**	
		7106	**Shipment flashpoint**	**C**		**n3**

Temperature in centigrade determined by the closed cup test as per ISO 1523/73 where a vapour is given off that can be ignited.

Temperature must contain 3 valid numeric digits (minus sign and decimal are not counted as characters).

Valid examples:
005, -005, -05.5, 55.2, 45.0
Invalid examples:
1, -5, -05, 5.5, 23-, 35, .3, 5.04, +045

Note: Decimal must be represented using the dot (".")

6411 **Measurement unit code** **C** **an..3**

Code specifying the unit of measurement.

Accepted Values:

CEL	Celsius
FAH	Fahrenheit

Group: **CTA** **Segment Group 31: Contact Information**
Position: 1440
Group: Segment Group 30 (Dangerous Goods) Conditional (Optional)
Level: 3
Usage: Conditional (Optional)
Max Use: 1
Purpose: A group of segments to identify a contact to whom communication regarding the dangerous goods can be directed.

Segment Summary

	Pos. No.	Seg. ID	Name	Req. Des.	Max. Use	Group: Repeat
M	1450	CTA	Contact Information	M	1	
	1460	COM	Communication Contact	C	1	

Segment: **CTA** **Contact Information**
Position: 1450 (Trigger Segment)
Group: Segment Group 31 (Contact Information) Conditional (Optional)
Level: 3
Usage: Mandatory
Max Use: 1
Purpose: A segment to identify a person or department.
Dependency Notes:
Semantic Notes:
Comments:

Data Element Summary

Attributes	Data Element	Component Element	Name	Req/Repeat/Repr		
M	**3139**		**CONTACT FUNCTION CODE**	**M**	**1**	**an..3**
			Code specifying the function of a contact (e.g. department or person).			
			Accepted Values:			
			HE Emergency dangerous goods contact Party who is to be contacted to intervene in case of emergency.			
M	**C056**		**DEPARTMENT OR EMPLOYEE DETAILS**	**M**	**1**	
			Code and/or name of a department or employee. Code preferred.			
X		**3413**	**Department or employee identification**	**C**		**an..17**
M		**3412**	**Department or employee**	**M**		**an..35**
			The department or person within an organizational entity.			
			Emergency contact name			

Segment: **COM** **Communication Contact**
Position: 1460
Group: Segment Group 31 (Contact Information) Conditional (Optional)
Level: 4
Usage: Conditional (Optional)
Max Use: 1
Purpose: A segment to identify a communication number of a person or department.

Dependency Notes:
Semantic Notes:
Comments:
Notes: COM+999-555-7777:TE

If COM is provided, CTA is Mandatory.

Data Element Summary

Attributes	Data Element	Component Element	Name	Req/Repeat/Repr	
M	**C076**		**COMMUNICATION CONTACT**	**M**	**1**
			Communication number of a department or employee in a specified channel.		
M		**3148**	**Communication number**	**M**	**an..512**
			The communication number.		
			Emergency Contact Phone number		
M		**3155**	**Communication number code qualifier**	**M**	**an..3**
			Code qualifying the communication number.		
			Accepted Values:		
			TE Telephone		
			Voice/data transmission by telephone.		
			Must not be populated with spaces and/or dots alone		

Group: **EQD** **Segment Group 35: Equipment Details**
Position: 1550
Group:
Level: 1
Usage: Conditional (Optional)
Max Use: 999
Purpose: A group of segments to specify equipment in which goods are transported.

Segment Summary

	Pos. No.	Seg. ID	Name	Req. Des.	Max. Use	Group: Repeat
M	1560	EQD	Equipment Details	M	1	
	1590	MEA	Measurements	C	3	
	1610	SEL	Seal Number	C	99	
	1640	TMP	Temperature	C	1	

Segment: **EQD** **Equipment Details**
Position: 1560 (Trigger Segment)
Group: Segment Group 35 (Equipment Details) Conditional (Optional)
Level: 1
Usage: Mandatory
Max Use: 1
Purpose: A segment to specify equipment, and equipment size and type used in the transport.
Dependency Notes:
Semantic Notes:
Comments:
Notes: EQD+CN+ABCD1234567+22RT:102:5'

Notes:
One EQD will always be provided for each distinct container listed in the SGP segments

Data Element Summary

Attributes	Data Element	Component Element	Name	Req/Repeat/Repr
M	**8053**		**EQUIPMENT TYPE CODE QUALIFIER**	**M 1 an..3**
			Code qualifying a type of equipment.	
			Accepted Values:	
			CN Container	
			Equipment item as defined by ISO for transport. It must be of: A) permanent character, strong enough for repeated use; B) designed to facilitate the carriage of goods, by one or more modes of transport, without intermediate reloading; C) fitted with devices for its ready handling, particularly.	
	C237		**EQUIPMENT IDENTIFICATION**	**C 1**
			Marks (letters/numbers) identifying equipment.	
M		**8260**	**Equipment identification number**	**M an..17**
			Marks (letters and/or numbers) which identify equipment e.g. unit load device.	
M	**C224**		**EQUIPMENT SIZE AND TYPE**	**M 1**
			Code and or name identifying size and type of equipment. Code preferred.	
		8155	**Equipment size and type description code**	**C an..10**
			Code specifying the size and type of equipment.	
			All ISO equipment type codes are provided.	
		1131	**Code list identification code**	**C an..3**
			Identification of a code list.	
			If C224,8155 is populated this element must also be sent.	
			Accepted Values:	
			102 Size and type	
		3055	**Code list responsible agency code**	**C an..3**
			Code specifying the agency responsible for a code list.	
			If C224,8155 is populated this element must also be sent.	
			Accepted Values:	
			5 ISO (International Organization for Standardization)	

Segment: **MEA** **Measurements**
Position: 1590
Group: Segment Group 35 (Equipment Details) Conditional (Optional)
Level: 2
Usage: Conditional (Optional)
Max Use: 3
Purpose: A segment to specify measurements, other than dimensions, associated with the equipment, such as weight.
Dependency Notes:
Semantic Notes:
Comments:
Notes:

MEA+AAE+AAS+CBM:25
or
MEA+AAE+G+KGM:3000
or
MEA+AAE+AAW+MTQ:300

These values apply to each individual container.

All airflow, weight and volume values will conform to below rules:
- Decimal will be represented using the dot ('.').
- Group separators will not be sent.

1. Weight and airflow: Maximum 3 digits of precision allowed:
examples: valid - "1000.123" invalid - "1,000.123", "1.000,123"
2. Volume: Maximum 4 digits of precision allowed:
examples: valid - "1000.1234" invalid - "1,000.1234", "1.000,1234"

Data Element Summary

Attributes	Data Element	Component Element	Name		Req/Repeat/Repr		
M	**6311**		**MEASUREMENT ATTRIBUTE CODE**		**M**	**1**	**an..3**
			Code specifying the measurement attribute.				
			Accepted Values:				
			AAE	Measurement			
				[6314] Value of the measured unit.			
M	**C502**		**MEASUREMENT DETAILS**		**M**	**1**	
			Identification of measurement type.				
M		**6313**	**Measured attribute code**		**M**		**an..3**
			Code specifying the attribute measured.				
			Accepted Values:				
			AAW	Gross volume			
				The observed volume unadjusted for factors such as temperature or gravity.			
			G	Gross weight			
				[6292] Weight (mass) of goods including packing but excluding the carrier's equipment.			
M	**C174**		**VALUE/RANGE**		**M**	**1**	
			Measurement value and relevant minimum and maximum values of the measurement range.				
M		**6411**	**Measurement unit code**		**M**		**an..3**
			Code specifying the unit of measurement.				
			Accepted Values:				
			CBM	Cubic Meters per Hour			
				Air Flow unit of measurement			

		FTQ	Cubic Feet Volume unit of measurement		
		KGM	Kilograms Weight unit of measurement		
		MTQ	Cubic Meters Volume unit of measurement		
M	**6314**	**Measurement value** Value of the measured unit. Used to indicate the Weight, Volume and/or Air Flow of Container.		**M**	**an..18**

Segment: **SEL** **Seal Number**
Position: 1610
Group: Segment Group 35 (Equipment Details) Conditional (Optional)
Level: 2
Usage: Conditional (Optional)
Max Use: 99
Purpose: A segment to identify seal and seal issuer associated with the equipment.
Dependency Notes:
Semantic Notes:
Comments:
Notes: SEL+SEAL NBR+SH

Data Element Summary

Attributes	Data Element	Component Element	Name	Req/Repeat/Repr		
M	**9308**		**SEAL NUMBER**	**M**	**1**	**an..10**
			The number of a custom seal or another seal affixed to the containers or other transport unit.			
	C215		**SEAL ISSUER**	**C**	**1**	
			Identification of the issuer of a seal on equipment either by code or by name.			
		9303	**Sealing party, coded**	**C**		**an..3**
			Identification of the issuer of the seal number.			
			Accdepted Values:			
			AB Unknown The sealing party is unknown. Seal issuer type is not recognized. It is RECOMMENED to provide additional details in the General Equipment Freetext (1650 FTX+AGK) regarding the actual seal issuer type.			
			CA Carrier Party undertaking or arranging transport of goods between named points.			
			CU Customs			
			SH Shipper Party which, by contract with a carrier, consigns or sends goods with the carrier, or has them conveyed by him.			
			TO Terminal operator Party which handles the loading and unloading of marine vessels.			

Segment: **TMP** **Temperature**
Position: 1640
Group: Segment Group 35 (Equipment Details) Conditional (Optional)
Level: 2
Usage: Conditional (Optional)
Max Use: 1
Purpose: A segment to specify a temperature setting for the equipment.
Dependency Notes:
Semantic Notes:
Comments:
Notes: TMP+2+033:CEL

This segment will always be provided for refrigerated equipment specifically identified by equipment type code (EQD, C224, 8155) if the temperature control unit is to be active.

Set Temperature will conform to below rules:
- Decimal will be represented using the dot ('.').
- Temperature values will not include group separators.
- Temperature will contain 3 valid Numeric Digits, and may also contain a decimal and minus sign ('-').
- Maximum Precision of Temperature is 1.
- Negative Temperature will include a Minus sign ('-')
and it will be in the first position of the element.
- Positive Temperature will be Unsigned.

Valid examples:
005, -005, -05.5, 55.2, 45.0

Invalid examples:
1, -5, -05, 5.5, 23-, 35, .3, 5.04, +045

Data Element Summary

Attributes	Data Element	Component Element	Name	Req/Repeat/Repr
M	**6245**		**TEMPERATURE QUALIFIER** A code giving specific meaning to the temperature. Accepted Values: 2 Transport temperature The temperature at which cargo is to be kept while it is under transport.	**M 1 an..3**
M	**C239**		**TEMPERATURE SETTING** The temperature under which the goods are (to be) stored or shipped.	**M 1**
M		**6246**	**Temperature setting** The actual temperature value in degrees Celsius (e.g. 008, 020). Temperature must contain 3 valid numeric digits (minus sign and decimal are not counted as characters). Valid examples: 005, -005, -05.5, 55.2, 45.0 Invalid examples: 1, -5, -05, 5.5, 23-, 35, .3, 5.04, +045 Note: Decimal must be represented using the dot ("..").	**M n3**
M		**6411**	**Measurement unit code** Code specifying the unit of measurement. Accepted Values: CEL Celsius	**M an..3**

FAH	Fahrenheit

Segment: **UNT** **Message Trailer**
Position: 1870
Group:
Level: 0
Usage: Mandatory
Max Use: 1
Purpose: A service segment ending a message, giving the total number of segments in the message (including the UNH & UNT) and the control reference number of the message.
Dependency Notes:
Semantic Notes:
Comments:
Notes: UNT+23+80

Data Element Summary

Attributes	Data Element	Component Element	Name	Req/Repeat/Repr		
M	**0074**		**NUMBER OF SEGMENTS IN A MESSAGE** Control count of number of segments in a message.	**M**	**1**	**n..6**
M	**0062**		**MESSAGE REFERENCE NUMBER** Unique message reference assigned by the sender.	**M**	**1**	**an..14**