

PROTECT Guide Version 2.0

PART II

EDIFACT Message Implementation Guide Dangerous Goods Notification message IFTDGN

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Document Version Control

Version	Date	Release note (and description of change)
0.5	October 1995	First formal release for implementation (incorporating requirements from EU Council Directive 93/75/EEC of 13 September 1993, (HAZMAT Directive)) based on Directory D95A
1.0	January 1999	Release with extended functionalities (e.g. additional handling actions, subsidiary risks, dangerous goods in limited quantities, radio active materials, fumigation details, Amendment number of IMO Regulation. Also the functionality of the dangerous cargo list for inter-agent use is incorporated) based on Directory D98B
1.1	July 16, 2002	Draft version for internal PROTECT use with extended functionalities (e.g. emergency response contact details, tank cleaning information, fumigation details, radio active critically safety index) based on Directory D98B
2.0	June 8, 2004	New release for implementation, with extended functionalities (e.g. certificate indicators (SOLAS), consignment data such as consignor, consignee, terminal operator; measurements (e.g. gross weight) restricted to numeric values) based on Directory D2003A
2.0	March 17, 2005	Editorial changes (front page; several mappings: page 8, 9, 16)

1 Message Principles

1.1 Functional definition

The functional definition of the IFTDGN message is as follows:

The International Forwarding and Transport Dangerous Goods Notification message is a message from the party responsible to declare the dangerous goods (e.g. carrier's agent, freight forwarder) to the party acting on behalf of the local authority performing the checks on conformance with the legal requirements on the control of dangerous goods, normally Port Authority, conveying the information relating to one conveyance/voyage of a means of transport such as a vessel, train, truck or barge, on the dangerous goods being loaded, unloaded, and/or in transit.

1.2 Message principles

The following principles are applicable to the IFTDGN message:

1. One message relates to one conveyance/voyage of a means of transport.
2. One message may relate to all dangerous goods information that the sender of the message is responsible for or to a certain part of that information; the information may be split in different messages, e.g. as it known at different times or the discharging information is sent separately from loading information or the information is split up in different messages for the different dangerous goods classes.
3. The message is based on the local legal information requirements regarding the notification of dangerous goods to the (port) authority.
N.B. This may mean that in a certain port the condition for a segment (group), data element (or qualifier) that is conditional according to this specification, becomes mandatory for that (port) authority.
4. A Dangerous Goods Notification message may contain several consignments.
5. The message structure is suitable to notify either one handling action per message (applicable to all consignments in the message) or the applicable handling action is notified for each consignment separately.
The handling action indicates e.g. whether the dangerous goods will be discharged or loaded or whether the dangerous goods remain on board (in transit).
6. A consignment may contain several goods items/dangerous goods classes.
7. Each goods item can only contain one dangerous goods class. A goods item may reflect the operational description of the goods.
8. A dangerous goods class/goods item may be transported in one or more equipment, and a single equipment may contain one or more dangerous goods classes/goods items.
9. The message caters for the provision of sending a replacement or a cancellation of an earlier sent message, or sending an update (change, deletion, etc.).
The message function for an Original of a notification, a Cancellation and a Replace of a previously sent notification message will be supported by all Port Authorities participating in PROTECT.

10. The message content is uniquely identified by means of the message reference (in BGM 1004) and the message sender identification (in NAD(MS) 3039). All other identifying data, such as radio call sign of the vessel or voyage number, are secondary references pointing to data outside the message. The sending of replacements and updates also makes use of this principle.

Remark: To cover all dangerous goods information relating to one conveyance/voyage of a means of transport might imply accumulation of several Dangerous Goods Notification messages from the same or several agents/forwarders.

11. The PROTECT Port Authorities have agreed to derive their local IFTDGN Implementation Guides from this PROTECT EDIFACT Implementation Guide applying the following rule: data not required (or treated) locally in a port, may be sent as long as it is according to this PROTECT EDIFACT Implementation Guide.

To minimise implementation differences for different ports it is advised to supply as much information as possible in each local IFTDGN enabling the authorities to pick out what is locally required.

12. The identification code of the party responsible for notification to the PA (a code for the carrier agent that is to be used in all notification messages) needs to be discussed and agreed between the Port Authority and the party. The party will be left the choice to use his own determined code that identifies the party or to use a code to be assigned by the Port Authority. This will allow liners/carriers acting world-wide to notify in all ports making use of one identification code if so desired, instead of using a different code in each port. (This is agreed to be able to uniquely identify the messages at the receiving side. Both the message and the sending party should be identifiable, these id's together are unique for a message.)



2 Data attributes

Legend : M=mandatory, C=conditional, O=Optional, -=Not used,

Attr not is spec = Attribute is not mentioned in data segment specification chapter, but is foreseen in existing message structure.

Entity	Data attribute	IFT DGN	Attr not in spec	Mapping	Definition	Condition
Header info:						
	MESSAGE REFERENCE	M		BGM.1004	Reference number of the message instance assigned by the sender that must be unique for the sender within the message type and business application area.	
	MESSAGE DATE/TIME	M		DTM(137).2379	Date and time at which the information supplied in the message has been created (local time). (This is not (necessarily) the time the message is processed, converted or sent. It is the date/time of the 'letter' and not the date/time of the 'postal stamp' on the envelop (which is in UNB).)	



Entity	Data attribute	IFT DGN	Attr not in spec	Mapping	Definition	Condition
	MESSAGE FUNCTION INDICATOR	M		BGM.1225	<p>Coded indication of a change regarding a previously sent message, such as replacement of previous message, addition(s) to or deletion(s) from previous message.</p> <p>- The message function for a Original of a notification, a Replace or a Cancellation of a previously sent notification message will be supported by all Port Authorities participating in PROTECT.</p> <p>Implementations for other message function codes may differ from port to port.</p> <p>- The message function codes for Addition of item(s) to, Deletion of item(s) from and Change of item(s) in a previously sent notification, all pertain to the consignment level (CNI group).</p> <p>So, these codes indicate that the consignment(s) in the current message are either to be added to, or to be deleted from, or to be changed in the referred previously sent notification message.</p> <p>Consequently, goods items can be added to (or deleted from or changed in) an earlier notified consignment by issuing a notification message with that consignment newly detailed in a CNI group with code for Change as message function code.</p>	
	MESSAGE CHANGE REFERENCE PREVIOUS MESSAGE	C		RFF(ACW).1153	Reference number assigned by the sender of the previously sent message instance to which the replacement (or other change(s)) apply.	To be completed in case message is other than Original.
	MESSAGE CHANGE REMARKS CODED	C		FTX(CHG).4441	Coded indication of the (kind of) change(s) contained in this message with respect to the previously sent message.	May only be completed in case message is other than Original.
	DGN REFERENCE BARGE OPERATOR AGENT	O	-	RFF(AAY).1154		
	DGN REFERENCE FORWARDER	O		RFF(FF).1154		



Entity	Data attribute	IFT DGN	Attr not in spec	Mapping	Definition	Condition
	DGN REFERENCE OCEAN CARRIER AGENT	O		RFF(AAY).1154		
	DGN REMARKS GENERAL	O		FTX(ACB).4440	Free text remarks related to the notification message as a whole.	
	DGN SECURITY FILE REFERENCE	O		RFF(ALG).1154	Reference allocated by an authority in order to control the dangerous goods on board a specific means of transport for dangerous goods security purposes.	
	DGN TYPE CODED	M		BGM.1001	Code for the type of dangerous goods notification that the message contains.	
	GOODS HANDLING INFO CODED	C		HAN.4079	Coded indication of the handling action performed on the goods.	The Goods handling info coded is to be completed either on message level (applicable to all consignments in the message) or on consignment level for each individual consignment separately.
	MAIN VESSEL CERTIFICATE/FITNESS AVAILABLE INDICATOR	O		FTX(COF)	Indicator that the certificate of fitness is available on board the main carriage vessel.	
	MAIN VESSEL CERTIFICATE/FITNESS STOWAGE INDICATOR	O		FTX(COS)	Indicator that the stowage of the goods on board the main carriage vessel is in conformance with the stipulation in the certificate of fitness.	
	MAIN VESSEL CERTIFICATE/SOLAS AVAILABLE INDICATOR	O		FTX(SOL)	Indicator that the SOALS Certificate is available on board the main carriage vessel.	
	MAIN VESSEL REPORTS DEFECT INDICATOR	O		FTX(AFJ)	Indicator that there are relevant defects to the vessel, vessel's equipment or cargo (e.g. hull damage, engine defects).	
	EMERGENCY INSTRUCTION AVAILABLE INDICATOR	O		FTX(EMR)	Indicator that all relevant emergency instructions are available and in the possession of the (port) authority.	



Entity	Data attribute	IFT DGN	Attr not in spec	Mapping	Definition	Condition
Vessel - voyage info:						
	MAIN OCEAN SHIP'S STAY REFERENCE	O		RFF(ATZ).1153 in TDT group	Reference number assigned by the authority in the port to a certain call of the vessel in that port.	
	MAIN OCEAN VOYAGE REF	O		TDT(20).(1).8028	Voyage number assigned by the carrier or his agent.	
	MAIN VESSEL D/T ETA POC	C		DTM(132).2379 in TDT group	Expected date/time of arrival of the main carriage vessel in the port of call (where this notification message is issued), expressed in local time.	In case of sea mode of transport the arrival date/time, estimated should be completed.
	MAIN VESSEL D/T ETD POC	O		DTM(133).2379 in TDT group	Expected time of departure of the main carriage vessel in the port of call (where this notification message is issued), expressed in local time.	
	MAIN VESSEL ID LRN	C		TDT(20).(1).8213	Identification of the main carriage vessel according to Lloyd's Register of Shipping (LRS).	In case of sea mode of transport this data element should be completed with the identification of the vessel according to Lloyd's Register of Shipping (LRS).
	MAIN VESSEL ID RCS	C		REF(VM).1153 in TDT group	Radio Call Sign of the main carriage vessel according the the ITU. Note: Should be completed without spaces or hyphens.	In case of sea mode of transport the Radio Call Sign should be completed.
	MAIN VESSEL NAME	C		TDT(20).(1).8212	Name of the main carriage vessel.	In case of sea mode of transport this data element should be completed.
	MAIN VESSEL NATIONALITY CODED	C		TDT(20).(1).8453	Code for nationality of the pre-carriage vessel according to UN Country code.	In case of sea mode of transport this data element should be completed.
	MAIN VESSEL PORT/CALL NEXT CODED	O		LOC(61).3225, in TDT(20) group	Code for the next port of call of the main carriage vessel.	
	MAIN VESSEL PORT/CALL NEXT NAME	O		LOC(61).3224 in TDT(20) group	Name of the next port of call of the main carriage vessel.	
	MAIN VESSEL PORT/ORIGIN CODED and NAME	O		LOC(PPO) in TDT(20) group	Code and name of the port where the voyage of the main carriage vessel started.	



Entity	Data attribute	IFT DGN	Attr not in spec	Mapping	Definition	Condition
	MAIN VESSEL PORT/CALL CODED	M		LOC(153).3225, 3223 in TDT(20) group	Code for the port of call where a main carriage vessel will moore (and for which this notification message is issued).	
	MAIN VESSEL TRANSPORT LICENSE NUMBER	O		RFF(ALH) in TDT(20) group	License number allocated by an authority as to the permission of carrying dangerous goods by a specific means of transport.	
	MAIN VESSEL TYPE CODED	O		TDT(20).(1).8179	Code for vessel type according to the Lloyd's Register of Shipping's code table for vessel types.	
	MAIN VESSEL TYPE DESCR	O		TDT(20).(1).8178	Description of the type of the vessel.	
	MAIN VESSEL VOYAGE REF ALTERNATIVE	O		RFF(VON).1153 in TDT group	Carrier agent's voyage number if different from Carrier voyage number in TDT 8028.	
	PLACE/START CODED and NAME MAIN BARGE	O	-	LOC in TDT group		
	PLACE/START SUB CODED MAIN BARGE	O	-	LOC in TDT group		
	MAIN BARGE D/T ETD PLACE/START	O	-	DTM(133).2379 in TDT group		
	MAIN BARGE ID	O	-	TDT(20).(8).8213		
	MAIN BARGE NAME	O	-	TDT(20).(8).8178		
	MAIN BARGE TYPE CODED	O	-	TDT(20).(8).8179		
	MAIN BARGE VOYAGE REF	O	-	TDT(20).(8).8028		
Parties info:						
	FORWARDER CONTACT NAME	O		CTA(IC) in NAD group		
	FORWARDER CONTACT PHONE/FAX/EMAIL	O		COM.3148 in NAD/CTA group		
	FORWARDER ID and NAME & ADDRESS, etc.	O		NAD(FW).3039, 3124 etc		
	MAIN BARGE OPERATOR AGENT CONTACT NAME	O	-	CTA in NAD group		



Entity	Data attribute	IFT DGN	Attr not in spec	Mapping	Definition	Condition
	MAIN BARGE OPERATOR AGENT CONTACT PHONE/FAX/EMAIL	O	-	COM.3148 in NAD/CTA group		
	MAIN BARGE OPERATOR CONTACT NAME	O	-	CTA in NAD group		
	MAIN BARGE OPERATOR CONTACT PHONE/FAX/EMAIL	O	-	COM.3148 in NAD/CTA group		
	MAIN BARGE OPERATOR ID and NAME & ADDR, etc.	O	-	NAD(CA).3029 etc		
	MAIN OCEAN CARRIER AGENT CONTACT NAME	O		CTA(IC).3412 in NAD group		
	MAIN OCEAN CARRIER AGENT CONTACT PHONE/FAX/EMAIL	O		COM.3148 in NAD/CTA group		
	MAIN OCEAN CARRIER AGENT ID	M		NAD(CG).3039		
	MAIN OCEAN CARRIER AGENT NAME & ADDRESS, etc.	C		NAD(CG).3124 etc		
	MAIN OCEAN CARRIER CONTACT NAME	O		CTA(IC).3412 in NAD group		
	MAIN OCEAN CARRIER CONTACT PHONE/FAX/EMAIL	O		COM.3148 in NAD/CTA		
	MAIN OCEAN CARRIER ID	O		NAD(CA).3029	Identification of the carrier/shipowner of the main carriage vessel according to the SCAC code list (Standard Carrier Alpha Code).	
	MAIN OCEAN CARRIER NAME & ADDRESS, etc.	C		NAD(CA).3124 etc		
	MESSAGE ACKNOWLEDGEMENT RECIPIENT CONTACT NAME	O		CTA(IC).3412 in NAD group		
	MESSAGE ACKNOWLEDGEMENT RECIPIENT ID	O		NAD(AK).3039		
	MESSAGE ACKNOWLEDGEMENT RECIPIENT NAME & ADDRESS, etc.	C		NAD(AK).3124 etc		
	MESSAGE NOTIFY CONTACT NAME	O		CTA(IC).3412 in NAD(N1) group		



Entity	Data attribute	IFT DGN	Attr not in spec	Mapping	Definition	Condition
	MESSAGE NOTIFY CONTACT PHONE/FAX/EMAIL	O		COM in NAD(N1)/CTA(IC) group		
	MESSAGE NOTIFY ID	O		NAD(N1).3039		
	MESSAGE NOTIFY NAME & ADDRESS	O		NAD(N1).3124 etc		
	MESSAGE RECIPIENT CONTACT NAME	O		CTA(IC).3412 in NAD(MS) group		
	MESSAGE RECIPIENT CONTACT PHONE/FAX/EMAIL	O		COM in NAD(MS)/CTA(IC) group		
	MESSAGE RECIPIENT ID	M		NAD(MR).3039		
	MESSAGE RECIPIENT NAME & ADDRESS, etc.	C		NAD(MR).3124 etc		
	MESSAGE SENDER CONTACT NAME	O		CTA(IC).3412 in NAD		
	MESSAGE SENDER CONTACT PHONE/FAX/EMAIL	O		COM.3148 in NAD(MS)/CTA(IC) group		
	MESSAGE SENDER ID	M		NAD(MS).3029		
	MESSAGE SENDER NAME & ADDR, etc.	C		NAD(MS).3124 etc.		
Equipment info:		O,999				
	BARGE ID	O	-	EQD(BR).8260		
	BARGE PAYLOAD MAXIMUM	O	-	MEA(AAN).6314 in EQD group		
	BARGE PAYLOAD UNIT	O	-	MEA(AAN).6411 in EQD group		
	BARGE TYPE/SIZE CODED	O	-	EQD(BR).8155		
	CONTAINER EMPTY INDICATOR	O		EQD(CN).8169	Indication that the container is empty, in case the container is contaminated or carries residue cargo.	



Entity	Data attribute	IFT DGN	Attr not in spec	Mapping	Definition	Condition
	CONTAINER ID PREFIX & NO	O		EQD(CN).8260	Unique identification of the container (consisting of a prefix and a serial number).	
	CONTAINER TYPE/SIZE CODED and DESCR	O		EQD(CN).8155 and 8154	For ISO containers the ISO size/type code is to be used.	
	TRAILER ID	O	-	EQD(TR).8260		
Consignment info:		M,999				
	CONSIGNMENT ID REFERENCE	O		CNI.1004	Identification number of the consignment. In case the handling action is Discharge or Transit e.g. the number of the Bill of Lading; in case the handling action is Load e.g. the carrier/carrier's agent Booking reference number.	
	CONSIGNMENT ID SERIAL	M		CNI.1490	Serial number of the consignment, identifying each entry uniquely within the message. In case of an update or a deletion message (BGM 1225) the same consignment should be identified by the same Consignment ID Serial number as in the previous message. In case of an addition of a consignment (BGM 1225) the consignment should be identified with a Consignment ID Serial number not yet used in previous messages.	
	CONSIGNMENT REFERENCE FORWARDER	O		RFF(FF).1154 in CNI/NAD group	Reference number assigned to the consignment by the freight forwarder.	
	CONSIGNMENT REFERENCE OCEAN CARRIER AGENT	O		RFF(AAY).1154 in CNI/NAD group	Reference number assigned to the consignment by the ocean carrier's agent.	
	GOODS HANDLING D/T EXPECTED	C		DTM(369).2380 in CNI group	The date/time or period (expressed in local time) when the handling action is estimated to take place. (Note: e.g. the operation/handling action on the goods such as loading or discharging.)	To be completed in case handling action is other than re-stow and transit.



Entity	Data attribute	IFT DGN	Attr not in spec	Mapping	Definition	Condition
	GOODS HANDLING INFO CODED	C		HAN.4079 in CNI group	Coded indication of the handling action performed on the goods.	The Goods handling info coded is to be completed either on message level (applicable to all consignments in the message) or on consignment level for each individual consignment separately.
	PLACE TERMINAL CODED	O		LOC(200).3223.(TER) in CNI group	Place of the terminal in port where goods are stored. (Completed in two composite data elements in LOC segment for respectively: UNLOCODE for port, terminal location in port). Use locally agreed codes.	
	PLACE WAREHOUSE CODED	O		LOC(200).3223.(WAR) in CNI group	Place or area in a port not directly related to the waterside where goods are stored. (Completed in two composite data elements in LOC segment for respectively: UNLOCODE for port, warehouse location in port). Use locally agreed codes.	
	PLACE/DISCHARGE CODED and NAME MAIN VESSEL	O		LOC(11).3225, 3224 in CNI group	Place/port where the consignment will be discharged from the main carriage vessel.	
	PLACE/LOADING CODED and NAME MAIN VESSEL	O		LOC(9).3225, 3224 in CNI group	Place/port where the consignment will be loaded in the main carriage vessel.	
	MAIN VESSEL POC BERTH CODED or/and NAME, JETTY NR	O		LOC(153).3225, 3223, 3222, 3233 in CNI group	Place or location in the port of call where a main carriage vessel is moored. (Completed in three composite data elements in LOC segment for respectively: UNLOCODE for port of call, Berth, jetty number).	
	MAIN VESSEL TRANSPORT LICENSE NUMBER	O		RFF in CNI/TDT(10,30) group	License number allocated by an authority as to the permission of carrying dangerous goods by a specific means of transport.	
Transport details to the consignment:						
	ON-CARR BARGE ID	O	-	TDT(30).8213 in CNI group		
	ON-CARR BARGE NAME	O	-	TDT(30).8212 in CNI		



Entity	Data attribute	IFT DGN	Attr not in spec	Mapping	Definition	Condition
				group		
	ON-CARR BARGE VOYAGE REF	O	-	TDT(30).8028 in CNI group		
	ON-CARR MODE/TRANSPORT CODED	O		TDT(30).8067 in CNI group	Code for the mode of transport of the on-carriage transport means.	
	ON-CARR OCEAN SHIP'S STAY REFERENCE	O		RFF(ATZ).1154 in CNI/TDT group		
	ON-CARR OCEAN VOYAGE REF	O		TDT(30).8028 in CNI group		
	ON-CARR TRAIN/TRACK ID	O		TDT(30).8028 in CNI group		
	ON-CARR TRUCK ID	O		TDT(30).8213 in CNI group		
	ON-CARR VESSEL D/T ETD POC	O		DTM(133).2380 in CNI.TDT group	Estimated date/time of departure (expressed in local time) of the On-carriage transport means used for the consignment.	
	ON-CARR VESSEL ID LRN	O		TDT(30).8213 in CNI group	Identification of the on-carriage vessel according to Lloyd's Register of Shipping (LRS).	
	ON-CARR VESSEL ID RCS	O		REF(VM).1153 in CNI/TDT(30) group		
	ON-CARR VESSEL NAME	O		TDT(30).8212 in CNI group		
	ON-CARR VESSEL NATIONALITY CODED	O		TDT(30).8453 in CNI group	Code for nationality of the on-carriage vessel according to UN Country code.	
	PRE-CARR BARGE ID	O	-	TDT(10).8213 in CNI group		
	PRE-CARR BARGE NAME	O	-	TDT(10).8212 in CNI group		
	PRE-CARR BARGE VOYAGE REF	O	-	TDT(10).8028 in CNI group		
	PRE-CARR MODE/TRANSPORT CODED	O		TDT(10).8067 in CNI group	Code for the mode of transport of the pre-carriage transport means.	



Entity	Data attribute	IFT DGN	Attr not in spec	Mapping	Definition	Condition
	PRE-CARR OCEAN SHIP'S STAY REFERENCE	O		RFF(ATZ).1154 in CNI/TDT group		
	PRE-CARR OCEAN VOYAGE REF	O		TDT(10).8028 in CNI group		
	PRE-CARR TRAIN/TRACK ID	O		TDT(10).8028 in CNI group		
	PRE-CARR TRUCK ID	O		TDT(10).8213 in CNI group		
	PRE-CARR VESSEL D/T ETA POC	O		DTM(132).2380 in CNI.TDT group	Expected date/time of arrival (expressed in local time) of the Pre-carriage transport means used for the consignment.	
	PRE-CARR VESSEL ID LRN	O		TDT(10).8213 in CNI group	Identification of the pre-carriage vessel according to Lloyd's Register of Shipping (LRS).	
	PRE-CARR VESSEL ID RCS	O		REF(VM).1153 in CNI/TDT(10) group		
	PRE-CARR VESSEL NAME	O		TDT(10).8212 in CNI group	Name of the pre-carriage vessel.	
	PRE-CARR VESSEL NATIONALITY CODED	O		TDT(10).8453 in CNI group	Code for nationality of the pre-carriage vessel according to UN Country code.	
Parties to the consignment:						
	CONSIGNEE NAME & ADDRESS	O		NAD(CN).3124 in CNI group		
	CONSIGNOR NAME & ADDRESS	O		NAD(CZ).3039, 3124 in CNI group		
	EMERGENCY RESPONSE CONTACT NAME	O		CTA(HE).3412 in CNI/NAD group	Name of person or department to be contacted in case of an emergency with the dangerous goods (of the consignment).	
	EMERGENCY RESPONSE CONTACT PHONE/FAX/E-MAIL	O		COM.3148 in CNI/NAD/CTA(HE) group	Phone or Fax number or e-mail address of the contact person or department to be contacted in case of an emergency with the dangerous goods (of the consignment).	
	EMERGENCY RESPONSE ID and NAME & ADDRES	O		NAD(FU) in CNI group	Name and address of the company to be contacted in case of an emergency with the dangerous goods (of a consignment).	



Entity	Data attribute	IFT DGN	Attr not in spec	Mapping	Definition	Condition
	FORWARDER CONTACT NAME	O		CTA in CNI/NAD group		
	FORWARDER CONTACT PHONE	O		COM.3148 in CNI/NAD/CTA group		
	FORWARDER ID and NAME & ADDRESS	O		NAD(FW).3039, 3124 in CNI group		
	MAIN BARGE OPERATOR AGENT ID and NAME & ADDRESS	O	-	NAD(CG).3039, 3124 in CNI group		
	MAIN OCEAN CARRIER AGENT CONTACT NAME	O		CTA(IC).3412 in CNI/NAD group		
	MAIN OCEAN CARRIER AGENT CONTACT PHONE	O		COM.3148 in CNI/NAD/CTA group		
	MAIN OCEAN CARRIER AGENT ID and NAME & ADDRESS	O		NAD(CG).3039, 3124 in CNI group		
	TERMINAL OPERATOR NAME & ADDRESS	O		NAD(TR).3039, 3124 in CNI group		
Goods item info:		M,99				
	GOODS ID SERIAL	M		GID.1496 in CNI group		
	GOODS PACKAGE TYPE OUTER CODED and DESCR	C		GID.7065,7065(1st) in CNI group	Code/description for the type of the selfcontained units in which the goods item is presented. Codes for the Outer Type of Package are to be according to the code set in UN/ECE Recommendation No. 21 (1994), (Codes for types of cargo, packaging and packaging materials) for Types of package/packaging: - either the 2-alpha code list in Annex V (and VI); - or the code list in Annex VII (based on the 1993 edition of the Recommendation on the Transport of Dangerous Goods ('Orange Book"), section 9.4.	Should be completed in case the notification pertains to a non-bulk notification.



Entity	Data attribute	IFT DGN	Attr not in spec	Mapping	Definition	Condition
	GOODS PACKAGE TYPE INNER CODED and DESCR	O		GID.7065,7065(3rd) in CNI group	Code/description for the the type of the non-selfcontained units within the selfcontained units (the (most) inner packaging within outer or within any intermediate packaging). - Codes for the Inner Type of Package are to be according to the code set in UN/ECE Recommendation No. 21 (1994), (Codes for types of cargo, packaging and packaging materials) for Types of package/packaging: - either the 2-alpha code list in Annex V (and VI); - or the code list in Annex VII (based on the 1993 edition of the Recommendation on the Transport of Dangerous Goods ('Orange Book')), section 9.4.	
	GOODS PACKAGE TYPE OUTER TOTAL NUMBER	C		GID.7224(1st) in CNI group	Total number of the selfcontained units in which the goods item is presented.	Should be completed in case the notification pertains to a non-bulk notification.
	GOODS PACKAGE TYPE INNER TOTAL NUMBER	O		GID.7224(3rd) in CNI group	Total number of the non-selfcontained units within the selfcontained units in which the goods item is presented.	
	GOODS DESCRIPTION	O		FTX(AAA).4440 in CNI/GID group		
	GOODS CARGO TYPE CODED	O		FTX(AAA).4441 in CNI/GID group	Code for the type of cargo of the goods item. Note: Codes for Type of Cargo according to the UN/ECE Recommendation No. 21.	
	GOODS REMARKS GENERAL	O		FTX(ACB).4440 in CNI/GID group	Free text remarks related to the goods item.	



Entity	Data attribute	IFT DGN	Attr not in spec	Mapping	Definition	Condition
	GOODS TANK CLEANING INFO	O		FTX(ACB).4440 in CNI/GID group	In case the handling action is Cargo Tank Cleaning, the C108 data elements are recommended to be used as follows (in sequence and format): -1st 4440: Cleaning method, in free text (e.g. washing, venting, pre-washing, crude oil washing, steaming). -2nd 4440: Destination of the washwater (e.g. in stowage hold, to lighter). -3rd 4440: Receiving party of the washwater. -4th 4440: Indication of cleaning procedure to be followed e.g. 'Cleaning according to P+A' (Procedure and Arrangements).	
	GOODS MARKS & NUMBERS	O		PCI.7102 in CNI/GID group		
	BARGE ID	O	-	SGP in CNI/GID group		
	GOODS IN BARGE WEIGHT GROSS	O	-	MEA in CNI/GID/SGP		
	GOODS IN BARGE WEIGHT UNIT	O	-	MEA in CNI/GID/SGP		
	Dangerous goods info:	M, 1				
	GOODS HAZARD FLASHPOINT UNIT	C		DGS.6411 in CNI/GID group	Code for the unit in which the flashpoint is expressed.	Should be used when flashpoint is completed.
	GOODS HAZARD FLASHPOINT	C		DGS.7106 in CNI/GID group	The flashpoint is the closed cup test flashpoint as per ISO 1523/73	To be completed in case of IMO Class 3.
	GOODS HAZARD REFERENCE UNDG	M		DGS.7124 in CNI/GID group	If the UNDG number is not assigned then the value 0000 is to be completed.	
	GOODS HAZARD REGULATIONS PAGE NO	O		DGS.8078 in CNI/GID group	Number of the page within the applicable hazardous goods regulations book, detailing the classification of the concerning hazardous material.	



Entity	Data attribute	IFT DGN	Attr not in spec	Mapping	Definition	Condition
	GOODS HAZARD REGULATIONS AMENDMENT NO	O		DGS.8092 in CNI/GID group	Number of the applicable Amendment to the IMO Regulation, (value e.g. 29 for Amendment No. 29), may be completed during a transition period in which two Amendments are valid).	
	GOODS HAZARD REGULATIONS SUBSIDIARY RISK	O		DGS.8246 in CNI/GID group	Identification of the Subsidiary Risk (besides the primary risk identified in the REGULATIONS CLASS) according to the applicable dangerous goods regulation, also being additional Marking as (to be) attached on the hazardous goods according to the applicable hazardous goods regulations.	
	GOODS HAZARD REGULATIONS CODED	M		DGS.8273 in CNI/GID group	Code indicating the regulation, international or national, applicable for a means of transport.	
	GOODS HAZARD PACKING GROUP CODED	O		DGS.8339 in CNI/GID group	Coded indication of the packaging group in which the hazardous goods are classified according to the applicable hazardous goods regulation.	
	GOODS HAZARD REGULATIONS CLASS	M		DGS.8351 in CNI/GID group	Classification of the hazardous material according to the hazardous goods regulations of the concerning mode of transport. If class of hazard according to the regulation is not assigned then the value 0.00 is to be completed.	
	GOODS HAZARD REFERENCE EMS	O		DGS.8364 in CNI/GID group	Reference to the section in the publication "Emergency procedures for ships carrying dangerous goods" applicable to the hazardous goods. The format to represent e.g. the EmS Fire number F-B and EmS Spillage number S-X, is recommended as follows: FB/SX.	
	GOODS HAZARD REFERENCE MFAG	O		DGS.8410 in CNI/GID group	Reference to the section in the publication "Medical first aid guide" applicable to the hazardous goods.	
	GOODS HAZARD MARPOL INDICATOR	O		FTX(AAC).4441 in CNI/GID/DGS group	Coded indication of the degree that the dangerous goods is marine pollutant.	



Entity	Data attribute	IFT DGN	Attr not in spec	Mapping	Definition	Condition
	GOODS HAZARD INFO ADDITIONAL	O		FTX(AAC).4441(=A). 4440 in CNI/GID/DGS group	Additional dangerous goods information that cannot be classified (e.g. no open fire, take care of your eyes, do not mix with..., and Number and kind of packages in this dangerous goods class). May also be used for EmS and MFAG numbers additional to those specified in the DGS segment. (e.g. "EMS: F-B/S-Y" or "MFAG: 735").	For the Goods Hazard either the Info Additional or Fumigation Info or MARPOL Info or Radioactive Info may be completed.
	GOODS HAZARD FUMIGATION INFO	O		FTX(AAC).4441(=F). 4440 in CNI/GID/DGS group	<p>In case of containerised cargo under fumigation or in case of a vessel's hold is fumigated with a gas or a substance that vapours gas, the C108 data elements are recommended to be used as follows (in sequence and format):</p> <p>-1st 4440: date of fumigation, in format CCYYMMDD, followed by a slash "/", followed by the name of the port/place where the treatment with the fumigating substance took place (e.g. "20020531/SEVILLA").</p> <p>-2nd 4440: name of fumigant, in free text (e.g. "PHOSGENE").</p> <p>-3rd 4440: for containerised cargo: amount of fumigant (including unit such as KGM, or %VOL for volume percentage); for bulk cargo: number of the hold, followed by a equal sign "=", followed by the measured value in particles per million for that hold. This combination of the number of a hold and the measured value in that hold can be repeated for each hold in which the concentration is measured, after adding a double slash "/" (e.g. hold 2S with measured value 5 ppm, hold 2C with measured value 11 and hold 2P with measured value 40 ppm is represented as: "2S=5//2C=11//2P=40").</p> <p>-4th 4440: numbers of the holds that are vented after treatment with fumigating substance, separated by a</p>	For the Goods Hazard either the Info Additional or Fumigation Info or MARPOL Info or Radioactive Info may be completed.



Entity	Data attribute	IFT DGN	Attr not in spec	Mapping	Definition	Condition
					slash "/" (e.g. hold 2S and hold 2C are represented as "2S/2C". -5th 4440: indication that suitable gas measuring equipment is on board, values: "YES" or "NO".	
	GOODS HAZARD MARPOL INFO	O		FTX(AAC).4441(=P or PP).4440 in CNI/GID/DGS group	In case of Transport of noxious or polluting bulk liquids (as required under MARPOL), the C108 data elements are recommended to be used as follows (in sequence and format): -1st 4440: Marpol Annex applicable to this substance: "MARPOL-I" or "MARPOL-II". -2nd 4440: In case of annex II the category assigned under this annex: "A", "B", "C", "D", "APP3", or these categories within brackets or square brackets "[]" for provisional assigned substances. -3rd 4440: Required ship-type for the substance as defined in the IBC code: "1", "2", "3" or "N.A." (=not applicable). In case substances transported under the proper shipping name "NOXIOUS LIQUID N.O.S." : the assigned N.O.S. position as stated in MEPC Circular 2 (N.O.S. positions 1 to 18). -4th 4440: Transport temperature.	For the Goods Hazard either the Info Additional or Fumigation Info or MARPOL Info or Radioactive Info may be completed.



Entity	Data attribute	IFT DGN	Attr not in spec	Mapping	Definition	Condition
	GOODS HAZARD RADIOACTIVE INFO	O		FTX(AAC).4441(=R). 4440 in CNI/GID/DGS group	<p>In case of Radioactive materials (IMO Class 7), the C108 data elements are recommended to be used as follows (in sequence and format):</p> <p>-1st 4440: Name of the Radionuclide (ref.: chapter 8.1 item 5) (deleted here is: "Schedule number(s) under which the consignment is to be shipped").</p> <p>-2nd 4440 Category of the packages (ref.: chapter 6.2): "I" (=White), "II" (=Yellow), or "III" (=Yellow).</p> <p>-3rd 4440: Identification mark for competent authority approval certificate applicable to the consignment. Each certificate shall be identified by an identification mark of the following general format (ref.: chapter 8.1 item 14 and 8.3.4.): VRI/number/type code, where:</p> <ul style="list-style-type: none"> -VRI means the Vehicle identification; -Number means a unique number issued by the authority and clearly related to the design approval identification mark; -Type code means a code as specified in 8.3.4.3: "AF". <p>-4th 4440: Condition / description of the physical and chemical form of the material(ref.: chapter 8.1 item 9): "LIQUID", "GAS", "SOLID", etc.</p> <p>-5th 4440: Free</p>	For the Goods Hazard either the Info Additional or Fumigation Info or MARPOL Info or Radioactive Info may be completed.
	GOODS HAZARD CHEMICAL/TECHNICAL NAME	M		FTX(AAD).4440 in CNI/GID/DGS group	Correct technical name is known as 'Recognized chemical name' in IMO Documentation. It is strongly recommended to supply the Dangerous Goods Technical name in English language according to the IMO's IMDG Code.	



Entity	Data attribute	IFT DGN	Attr not in spec	Mapping	Definition	Condition
	GOODS HAZARD LIMITED QUANTITIES INDICATOR	O		FTX(AAD).4441 in CNI/GID/DGS group	Indication that the transport of the dangerous goods in limited quantities takes place under the provisions allowed for under chapter 18 of the IMO IMDG code (normally dangerous goods in small packages such as bottles).	
	GOODS HAZARD RADIOACTIVE CRITICALITY SAFETY INDEX	C		MEA(AAE)(T20).6314 in CNI/GID/DGS group	The criticality safety index, assigned to fissile material, is a number which is used to provide control over the accumulation of packages containing fissile material. Ref.: IMO Class 7, chapter 2.7.6.2.	To be completed in case of IMO Class 7.
	GOODS HAZARD RADIOACTIVE INDEX OF TRANSPORT	C		MEA(AAE)(AEN).6314 in CNI/GID/DGS group	The index of transport determines the maximum radiation level at a distance of 1m from the external surface. Ref.: IMO Class 7, chapter 2.7.6.1.	To be completed in case of IMO Class 7.
	GOODS HAZARD RADIOACTIVITY	C		MEA(AAE)(AEO).6314 in CNI/GID/DGS group	Activity of radioactive material. Ref.: IMO Class 7, chapter 2.7.7.2.	To be completed in case of IMO Class 7.
	GOODS HAZARD WEIGHT GROSS	O		MEA(AAE).(G).6314 in CNI/GID/DGS group	Gross weight of the dangerous goods including their packing, but without the equipment used by the carrier for their transport.	
	GOODS HAZARD WEIGHT NET	O		MEA(AAE)(AAL).6314 in CNI/GID/DGS group	Net weight of the dangerous goods excluding their packing and excluding the equipment used by the carrier for their transport.	
	GOODS HAZARD WEIGHT NET EXPLOSIVE	O		MEA(AAE)(T19).6314 in CNI/GID/DGS group	Weight (mass) of the explosive part or substance of goods without any packing.	
	GOODS HAZARD WEIGHT UNIT	C		MEA in CNI/GID/DGS group	Code for the unit in which the weight is expressed.	Should be used when weight is completed.
	GOODS HAZARD AUTHORIZATION NUMBER	O		RFF(ALF).1154 in CNI/GID/DGS group	Reference number allocated by an authority. This number contains an approval concerning an exception on the existing dangerous goods regulation.	



Entity	Data attribute	IFT DGN	Attr not in spec	Mapping	Definition	Condition
	Dangerous goods stowage position:	O,99				
	GOODS HAZARD AT STOWAGE PLACE MAIN	O		LOC(147).3225 in CNI/GID/DGS group	Place at which the hazardous goods are stowed/loaded in the main carriage transport means (such as vessel or barge) by which the goods are (to be) shipped in case the goods are not contained in container/equipment . The following formats for Stowage cells are recommended: * container vessels as per ISO standard: Bay/Row/Tier in format: BBBRRTT. If Bay number is less than 3 characters it must be filled with leading zeros, e.g. "0340210". * feeder vessels as per ISO standard: Hatch/Tier/Row in format: HHHTTRR. If hatch number is less than 3 characters it must be filled with leading zeroes. * ro-ro vessels Deck/Bay/Row/Tier in format: DDBBBRRTT. * general cargo vessels : 3 to 9 characters, format: - firstly 3 characters (mandatory) for the cell number (01, 02, etc. with a further indication: S (starboard), P (Portside) or C (Centre)); - secondly 3 characters (optional) for the indication of the deck level: WED = weather deck, TD9 = tween deck 9, ..., TD1 = tween deck 1, LOH = lower hold - thirdly 3 characters (optional) for a further indication within a hold, e.g. hatchcovers. * tanker vessels tank number.	
	GOODS HAZARD AT STOWAGE PLACE MAIN HATCHCOVER NUMBER	O		LOC(147).3223 in CNI/GID/DGS group	Hatch cover number, format HHH, may be specified in case the hatch cover number is not included in the stowage cell and the vessel is equipped with hatch covers.	



Entity	Data attribute	IFT DGN	Attr not in spec	Mapping	Definition	Condition
	GOODS HAZARD AT STOWAGE PLACE MAIN HATCHCOVER STATUS	O		LOC(147).3222 in CNI/GID/DGS group	Hatch cover status, values 'OPEN' or 'CLOSED', may be specified in case the vessel is equipped with hatch covers and it is required to report whether the hatch cover is open or closed.	
	Split dangerous goods placement:	O, 99				
	GOODS HAZARD IN BARGE ID	O	-	SGP.8260 in CNI/GID/DGS group		
	GOODS HAZARD IN CONTAINER ID PREFIX & NO	O		SGP.8260 in CNI/GID/DGS group	Unique identification of the container (consisting of a prefix and a serial number), in which the dangerous goods are contained.	
	GOODS HAZARD IN TRAILER ID	O	-	SGP in CNI/GID/DGS group		
	GOODS HAZARD IN BARGE PACKAGE TOTAL NUMBER	O	-	SGP.7724 in CNI/GID/DGS group		
	GOODS HAZARD IN BARGE RADIOACTIVE CRITICALITY SAFETY INDEX	O	-	MEA in CNI/GID/DGS/SGP group	The criticality safety index of packages containing fissile material that are contained in the barge.	
	GOODS HAZARD IN BARGE RADIOACTIVE INDEX OF TRANSPORT	O	-	MEA in CNI/GID/DGS/SGP group		
	GOODS HAZARD IN BARGE RADIOACTIVITY	O	-	MEA in CNI/GID/DGS/SGP group		
	GOODS HAZARD IN BARGE WEIGHT GROSS	O	-	MEA in CNI/GID/DGS/SGP group		
	GOODS HAZARD IN BARGE WEIGHT NET	O	-	MEA in CNI/GID/DGS/SGP group		
	GOODS HAZARD IN BARGE WEIGHT NET EXPLOSIVE	O	-	MEA in CNI/GID/DGS/SGP group		



Entity	Data attribute	IFT DGN	Attr not in spec	Mapping	Definition	Condition
	GOODS HAZARD IN BARGE WEIGHT UNIT	O	-	MEA in CNI/GID/DGS/SGP group		
	GOODS HAZARD IN CONTAINER PACKAGE TOTAL NUMBER	O		SGP.7224 in CNI/GID/DGS group	Total number of outer packages of the (dangerous) goods item loaded in the container.	
	GOODS HAZARD IN CONTAINER RADIOACTIVE CRITICALITY SAFETY INDEX	O		MEA(AAE)(T20).6314 in CNI/GID/DGS/SGP group	The criticality safety index of packages containing fissile material that are contained in the container.	
	GOODS HAZARD IN CONTAINER RADIOACTIVE INDEX OF TRANSPORT	O		MEA(AAE)(AEN).6314 in CNI/GID/DGS/SGP group		
	GOODS HAZARD IN CONTAINER RADIOACTIVITY	O		MEA(AAE)(AEO).6314 in CNI/GID/DGS/SGP group		
	GOODS HAZARD IN CONTAINER WEIGHT GROSS	O		MEA(AAE).(G).6314 in CNI/GID/DGS/SGP group	Gross weight of the dangerous goods in the container including their packing, but without the equipment used by the carrier for their transport.	
	GOODS HAZARD IN CONTAINER WEIGHT NET	O		MEA(AAE)(AAL).6314 in CNI/GID/DGS/SGP group	Net weight of the dangerous goods in the container excluding their packing and excluding the equipment used by the carrier for their transport.	
	GOODS HAZARD IN CONTAINER WEIGHT NET EXPLOSIVE	O		MEA(AAE)(T19).6314 in CNI/GID/DGS/SGP group	Weight (mass) of the explosive part or substance of goods in the container without any packing.	
	GOODS HAZARD IN CONTAINER WEIGHT UNIT	C		MEA(xx).6411 in CNI/GID/DGS/SGP group	Code for the unit in which the weight is expressed.	Should be used when weight is completed.
	GOODS HAZARD IN TRAILER PACKAGE TOTAL NUMBER	O	-	SGP in CNI/GID/DGS group		
	GOODS HAZARD IN TRAILER RADIOACTIVE CRITICALITY SAFETY INDEX	O	-	MEA in CNI/GID/DGS/SGP group	The criticality safety index of packages containing fissile material that are contained in the trailer.	



Entity	Data attribute	IFT DGN	Attr not in spec	Mapping	Definition	Condition
	GOODS HAZARD IN TRAILER RADIOACTIVE INDEX OF TRANSPORT	O	-	MEA in CNI/GID/DGS/SGP group		
	GOODS HAZARD IN TRAILER RADIOACTIVITY	O	-	MEA in CNI/GID/DGS/SGP group		
	GOODS HAZARD IN TRAILER WEIGHT GROSS	O	-	MEA in CNI/GID/DGS/SGP group		
	GOODS HAZARD IN TRAILER WEIGHT NET	O	-	MEA in CNI/GID/DGS/SGP group		
	GOODS HAZARD IN TRAILER WEIGHT NET EXPLOSIVE	O	-	MEA in CNI/GID/DGS/SGP group		
	GOODS HAZARD IN TRAILER WEIGHT UNIT	O	-	MEA in CNI/GID/DGS/SGP group		



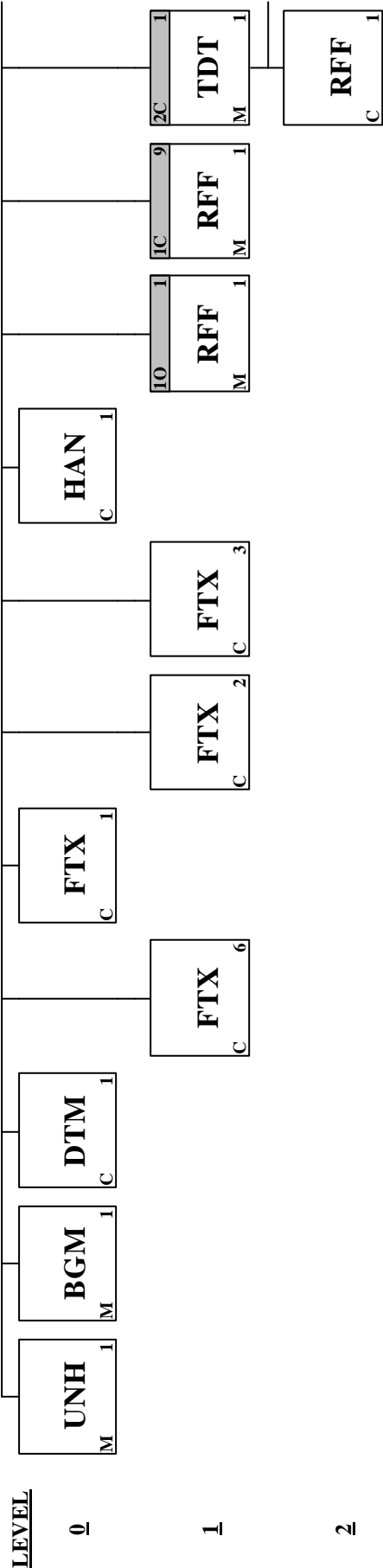
Entity	Data attribute	IFT DGN	Attr not in spec	Mapping	Definition	Condition
	EQUIPMENT AT STOWAGE PLACE MAIN	O		LOC(147).3225 in CNI/GID/DGS/SGP group	<p>Location on the main carriage vessel where the equipment (container) is stowed. The following formats for Stowage cells are recommended:</p> <p>* container vessels as per ISO standard: Bay/Row/Tier in format: BBBRRTT. If Bay number is less than 3 characters it must be filled with leading zeros, e.g. "0340210".</p> <p>* feeder vessels as per ISO standard: Hatch/Tier/Row in format: HHHTTRR. If hatch number is less than 3 characters it must be filled with leading zeroes.</p> <p>* ro-ro vessels: Deck/Bay/Row/Tier in format: DDBBBRRTT.</p> <p>* general cargo vessels: 3 to 9 characters, format:</p> <ul style="list-style-type: none"> - firstly 3 characters (mandatory) for the cell number (01, 02, etc. with a further indication: S (starboard), P (Portside) or C (Centre)); - secondly 3 characters (optional) for the indication of the deck level: WED = weather deck, TD9 = tween deck 9, ..., TD1 = tween deck 1, LOH = lower hold - thirdly 3 characters (optional) for a further indication within a hold, e.g. hatchcovers. <p>* tanker vessels: tank number.</p>	
	EQUIPMENT AT STOWAGE PLACE MAIN HATCH COVER NUMBER	O		LOC(147).3223 in CNI/GID/DGS/SGP group	Hatch cover number, format HHH, may be specified in case the hatch cover number is not included in the stowage cell and the vessel is equipped with hatch covers.	
	EQUIPMENT AT STOWAGE PLACE MAIN HATCH COVER STATUS	O		LOC(147).3222 in CNI/GID/DGS/SGP group	Hatch cover status, values 'OPEN' or 'CLOSED', may be specified in case the vessel is equipped with hatch covers and it is required to report whether the hatch cover is open or closed.	

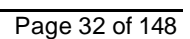
3 Message structure

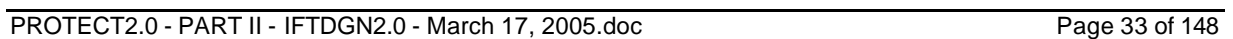
Page No.	Pos. No.	Seg. ID	Name	Base Status	User Status	Max.Use	Group Repeat	Notes and Comments
29	0010	UNH	Message Header	M	M	1		
37	0020	BGM	Beginning of Message	M	M	1		
39	0030	DTM	Date/Time/Period	C	R	1		
40	0040	FTX	Free Text	C	D	6		
42	0040	FTX	Free Text	C	O	1		
43	0040	FTX	Free Text	C	D	2		
44	0040	FTX	Free Text	C	D	3		
45	0050	HAN	Handling Instructions	C	D	1		
	0060		Segment Group 1: RFF	O	D		1	
47	0070	RFF	Reference	M	M	1		
	0060		Segment Group 1: RFF	C	O		9	
49	0070	RFF	Reference	M	M	1		
	0090		Segment Group 2: TDT-RFF-SG3	C	R		1	
51	0100	TDT	Transport Information	M	M	1		
53	0120	RFF	Reference	C	D	1		
54	0120	RFF	Reference	C	O	8		
	0130		Segment Group 3: LOC-DTM	C	R		1	
56	0140	LOC	Place/Location Identification	M	M	1		
57	0150	DTM	Date/Time/Period	C	D	1		
58	0150	DTM	Date/Time/Period	C	O	1		
	0130		Segment Group 3: LOC	C	O		2	
60	0140	LOC	Place/Location Identification	M	M	1		
	0160		Segment Group 4: NAD-SG5	C	R		1	
62	0170	NAD	Name and Address	M	M	1		
	0180		Segment Group 5: CTA-COM	C	O		2	
65	0190	CTA	Contact Information	M	M	1		
66	0200	COM	Communication Contact	C	O	3		
	0160		Segment Group 4: NAD-SG5	C	R		1	
68	0170	NAD	Name and Address	M	M	1		
	0180		Segment Group 5: CTA-COM	C	O		2	
71	0190	CTA	Contact Information	M	M	1		
72	0200	COM	Communication Contact	C	O	3		
	0160		Segment Group 4: NAD-SG5	C	R		1	
74	0170	NAD	Name and Address	M	M	1		
	0180		Segment Group 5: CTA-COM	C	O		2	
77	0190	CTA	Contact Information	M	M	1		
78	0200	COM	Communication Contact	C	O	3		
	0160		Segment Group 4: NAD-SG5	C	O		6	
80	0170	NAD	Name and Address	M	M	1		
	0180		Segment Group 5: CTA-COM	C	O		2	
83	0190	CTA	Contact Information	M	M	1		
84	0200	COM	Communication Contact	C	O	3		
	0210		Segment Group 6: EQD-MEA	C	O		999	
86	0220	EQD	Equipment Details	M	M	1		
88	0230	MEA	Measurements	C	O	1		
	0240		Segment Group 7: CNI-HAN-DTM-LOC-SG8-SG10-SG12	M	M		999	
90	0250	CNI	Consignment Information	M	M	1		
91	0260	HAN	Handling Instructions	C	D	1		

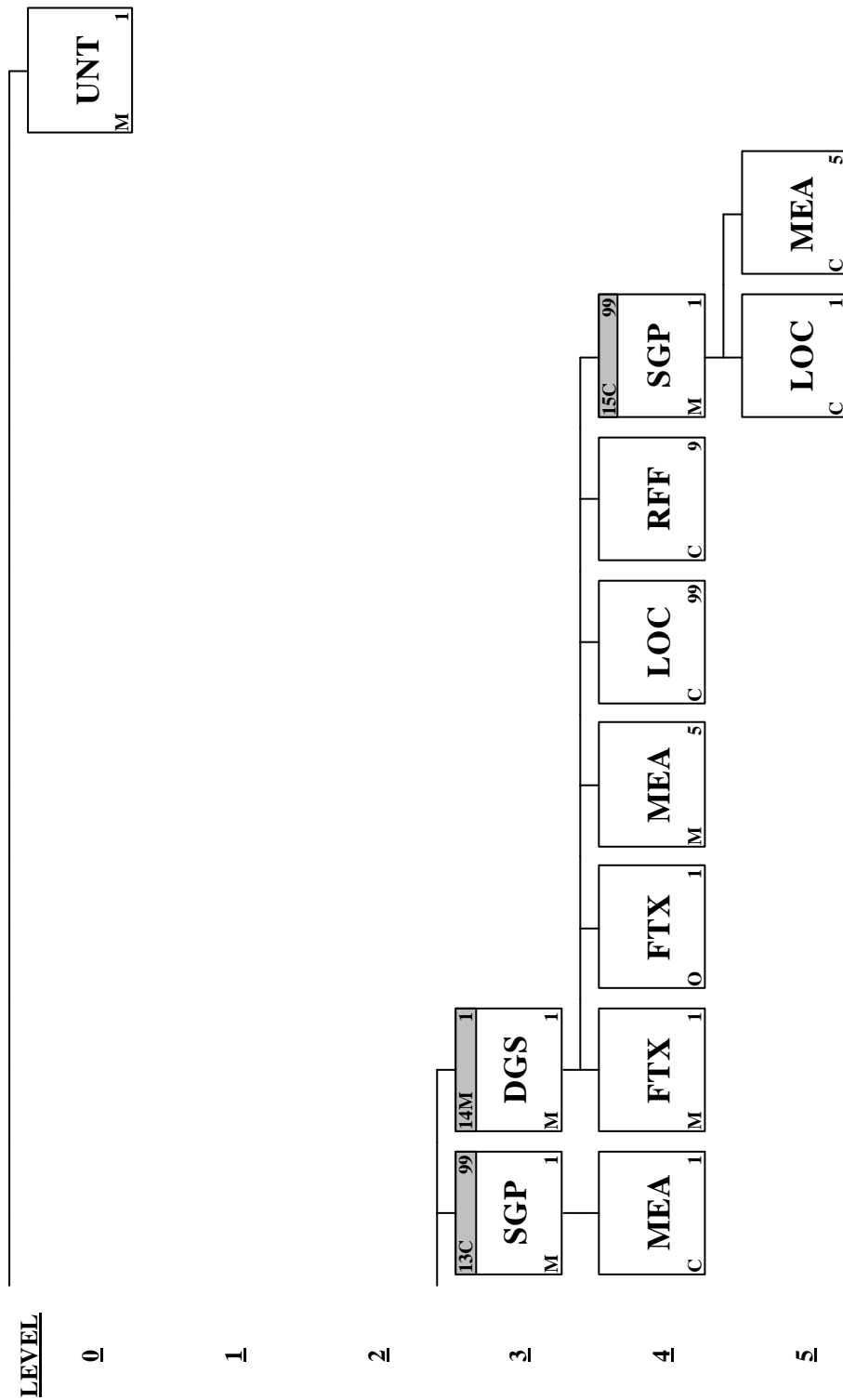


92	0270	DTM	Date/Time/Period	C	D	1				
93	0271	DTM	Date/Time/Period	C	O	2				
94	0280	LOC	Place/Location Identification	C	O	1				
96	0280	LOC	Place/Location Identification	C	O	2				
	0290		Segment Group 8: TDT-RFF	C	O	1				
99	0300	TDT	Transport Information	M	M	1				
101	0310	RFF	Reference	C	O	9				
	0350		Segment Group 10: NAD-SG11-RFF	C	O	2				
103	0360	NAD	Name and Address	M	M	1				
	0370		Segment Group 11: CTA-COM	C	O	1				
106	0380	CTA	Contact Information	M	M	1				
107	0390	COM	Communication Contact	C	O	2				
108	0400	RFF	Reference	C	O	1				
	0350		Segment Group 10: NAD-SG11	C	O	1				
110	0360	NAD	Name and Address	M	M	1				
	0370		Segment Group 11: CTA-COM	C	O	2				
113	0380	CTA	Contact Information	M	M	1				
114	0390	COM	Communication Contact	C	O	3				
	0350		Segment Group 10: NAD	C	O	3				
116	0360	NAD	Name and Address	M	M	1				
	0410		Segment Group 12: GID-FTX-PCI-SG13-SG14	M	M	99				
119	0420	GID	Goods Item Details	M	M	1				
121	0430	FTX	Free Text	C	O	1				
122	0430	FTX	Free Text	C	O	1				
123	0440	PCI	Package Identification	C	O	1				
	0450		Segment Group 13: SGP-MEA	C	O	99				
125	0460	SGP	Split Goods Placement	M	M	1				
126	0470	MEA	Measurements	C	O	1				
	0480		Segment Group 14: DGS-FTX-MEA-LOC-RFF-SG15	M	M	1				
128	0490	DGS	Dangerous Goods	M	M	1				
130	0500	FTX	Free Text	M	M	1				
131	0500	FTX	Free Text	O	O	1				
132	0510	MEA	Measurements	M	M	5				
134	0520	LOC	Place/Location Identification	C	O	99				
135	0530	RFF	Reference	C	O	9				
	0540		Segment Group 15: SGP-LOC-MEA	C	O	99				
137	0550	SGP	Split Goods Placement	M	M	1				
138	0560	LOC	Place/Location Identification	C	O	1				
139	0570	MEA	Measurements	C	O	5				
141	0580	UNT	Message Trailer	M	M	1				









4 Data segment specification

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 Dangerous goods notification message is IFTDGN.

Note: Dangerous goods notification messages conforming to this document must contain the following data in segment UNH, composite S009:

Data element 0065 IFTDGN 0052 D 0054 03A 0051 UN

Dependency Note s:

Data Element Summary					
Data Element	Component Element	Name	Base Attributes	User Attributes	
0062		MESSAGE REFERENCE NUMBER Unique message reference assigned by the sender. <i>This reference must be unique for the message occurrence regardless the message type and business application area.</i> <i>Data element [0062] must be identical in the UNH- and UNT-segment.</i>	M 1 an..14	M	
S009		MESSAGE IDENTIFIER Identification of the type, version etc. of the message being interchanged.	M 1	M	
	0065	Message type identifier Code identifying a type of message and assigned by its controlling agency. <i>IFTDGN Dangerous goods notification message</i> <i>A code to identify the dangerous goods notification message.</i>	M an..6	M	
	0052	Message type version number Version number of a message type. <i>D Draft version/UN/EDIFACT Directory</i> <i>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).</i>	M an..3	M	
	0054	Message type release number Release number within the current message type version number (0052). <i>03A Release 2003 - A</i> <i>Message approved and issued in the first 2003 release of the UNTDID (United Nations Trade Data Interchange Directory).</i>	M an..3	M	
	0051	Controlling agency Code identifying the agency controlling the specification, maintenance and publication of the message type. <i>UN UN/ECE/TRADE/WP.4</i> <i>United Nations Centre for Trade Facilitation and Electronic Business (UN/CEFACT).</i>	M an..2	M	
	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. <i>PROT20 PROTECT Version 2.0</i>	C an..6	R	
0068		COMMON ACCESS REFERENCE Reference serving as a key to relate all subsequent transfers of data to the same business case or file.	C 1 an..35	X	



S010	STATUS OF THE TRANSFER	C	1	X
	Statement that the message is one in a sequence of transfers relating to the same topic.			
0070	Sequence message transfer number	M	n..2	X
	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	X
	Indication used for the first and last message in a sequence of the same type of message relating to the same topic.			



Segment: **BGM** Beginning of Message
Position: 0020
Group:
Level: 0
Usage: Mandatory
Max Use: 1
Purpose: A segment to indicate the beginning of the message by identifying the message by a document/message number. It is recommended to sequentially number the messages relating to the same conveyance/voyage of the means of transport. Update (change or replace) messages can be accommodated using Message function code together with the Reference to previous message (in RFF segment) quoting the document/message number of the message being updated by this message.

Dependency Notes:

Data Element Summary				
Data Element	Component Element	Name	Base Attributes	User Attributes
C002		DOCUMENT/MESSAGE NAME	C 1	R
		Identification of a type of document/message by code or name. Code preferred.		
	1001	Document name code	C an..3	R
		Code specifying the document name.		
		Business Rules:		
		Variable Name: TankerNotanker		
		<i>DGN TYPE CODED M</i>		
		<i>*Note: Codes added.</i>		
		89N Dangerous Goods Notification for all other cargo (other than bulk in tanker)		
		89T Dangerous Goods Notification for Bulk cargo in Tanker vessel		
C106	1131	Code list qualifier	C an..17	X
		Identification of a code list.		
	3055	Code list responsible agency, coded	C an..3	X
		Code identifying the agency responsible for a code list.		
	1000	Document name	C an..35	X
		Name of a document.		
C106		DOCUMENT/MESSAGE IDENTIFICATION	C 1	R
		Identification of a document/message by its number and eventually its version or revision.		
	1004	Document identifier	C an..35	R
		To identify a document.		
		<i>MESSAGE REFERENCE M</i>		
C106	1056	Version identifier	C an..9	X
		To identify a version.		
	1060	Revision identifier	C an..6	X
		To identify a revision.		
1225		MESSAGE FUNCTION CODE	C 1 an..3	R
		Code indicating the function of the message.		
		<i>MESSAGE FUNCTION INDICATOR M</i>		
		<i>See attribute definition for recommendation of the use of codes.</i>		
	1	Cancellation Message cancelling a previous transmission for a given transaction. <i>NOTE 1: Use of this code means that the complete chain of messages belonging to a transaction is cancelled. (A transaction is defined as a chain of messages of the same type, in which the original message is amended by</i>		



e.g. adding, deleting or changing consignments in subsequent messages and/or replacing entire message(s) in the chain).

NOTE 2: For this message occurrence the conditions for required/conditional are the same as for any message of this message type. This means that at minimal all conditions should be met; for the detail level (CNI group) this means that all conditions should be met once (so one occurrence of the detail level (CNI group) is to appear in the cancellation message).

- 2 *Addition
Message containing items to be added.*
- 3 *Deletion
Message containing items to be deleted.*
- 4 *Change
Message containing items to be changed.*
- 5 *Replace
Message replacing a previous message.*
- 9 *Original
Initial transmission related to a given transaction.*
- 33 *Change in heading section
Message changing the referenced message heading section.*

4343

RESPONSE TYPE CODE

C 1 an..3 X

Code specifying the type of acknowledgment required or transmitted.



Segment: **DTM** Date/Time/Period
Position: 0030
Group:
Level: 0
Usage: Conditional (Required)
Max Use: 1
Purpose: A segment to indicate a date and time applying to the whole message, such as date and time of document/message issue.

Dependency Notes:**Data Element Summary**

<u>Data Element</u>	<u>Component Element</u>	<u>Name</u>	<u>Base Attributes</u>	<u>User Attributes</u>
C507		DATE/TIME/PERIOD Date and/or time, or period relevant to the specified date/time/period type.	M 1	M
	2005	Date or time or period function code qualifier Code qualifying the function of a date, time or period. 137 <i>Document/message date/time</i> (2006) Date/time when a document/message is issued. This may include authentication.	M an..3	M
	2380	Date or time or period text The value of a date, a date and time, a time or of a period in a specified representation. MESSAGE DATE/TIME <i>R</i> - Date/times are specified in local time.	C an..35	R
	2379	Date or time or period format code Code specifying the representation of a date, time or period. 203 <i>CCYYMMDDHHMM</i> Calendar date including time with minutes: C=Century; Y=Year; M=Month; D=Day; H=Hour; M=Minutes.	C an..3	R



Segment: **FTX** Free Text
Position: 0040
Group:
Level: 1
Usage: Conditional (Dependent)
Max Use: 6
Purpose: A segment to give information on the changes in the message in case of changes to previously sent message. The text subject to be qualified: - Change information

Dependency Notes:

Business Rules: 1. If MessageFunction EQ '9', then set Usage to 'Not Used'

Data Element Summary

<u>Data Element</u>	<u>Component Element</u>	<u>Name</u>	<u>Base Attributes</u>	<u>User Attributes</u>
4451		TEXT SUBJECT QUALIFIER Code specifying subject of a free text. <i>CHG Change information</i> <i>Note contains change information.</i>	M 1 an..3	M
4453		TEXT FUNCTION, CODED Code specifying the purpose of the text.	C 1 an..3	X
C107		TEXT REFERENCE Coded reference to a standard text and its source.	C 1	O
	4441	Free text identification Free text in coded form. Business Rules: 1. If MessageFunction EQ '9', then set Usage to 'Not Used'	O an..17	D
		MESSAGE CHANGE REMARKS CODED C		
	CAM	<i>Change or cancellation because of mistake</i> <i>Previous message contained mistake(s).</i> <i>Note: Change may be on message level or on detail level as indicated in BGM 1225 (codes 5, 4, 33).</i>		
	CAN	<i>Cancellation because vessel does not carry dangerous substances</i> <i>Previous message is cancelled because the vessel for which dangerous or polluting goods were notified to be loaded, in transit or discharged in the previous message does not carry those goods.</i>		
	CAO	<i>Cancellation because operation not carried out</i> <i>Previous message is cancelled because handling action or operation notified in the previous message will not be carried out.</i>		
	CAV	<i>Cancellation because vessel does not call</i> <i>Previous message is cancelled because the vessel notified in previous message does not call in the port.</i>		
	CHB	<i>Change of berth</i> <i>The berth(s) notified in previous message has (have) changed.</i> <i>Note: Change may be on message level or on detail level as indicated in BGM 1225 (codes 5, 4, 33).</i>		
	CHD	<i>Change of date/times of means of transport</i> <i>Date/times for arrival or departure of a means transport notified in previous message has been changed.</i> <i>Note: Change may be on message level or on detail level as indicated in BGM 1225 (codes 5, 4, 33).</i>		
	CHM	<i>Change of mode of transport</i> <i>Mode of transport notified in previous message has changed.</i> <i>Note: Change may be on message level or on detail level as</i>		



CHV

*indicated in BGM 1225 (codes 5, 4, 33).**Change of means of transport**Means of transport notified in previous message has changed.**Note: Change may be on message level or on detail level as indicated in BGM 1225 (codes 5, 4, 33).*

C108	1131	Code list qualifier	C	an..17	X
		Identification of a code list.			
	3055	Code list responsible agency, coded	C	an..3	X
		Code identifying the agency responsible for a code list.			
		TEXT LITERAL	C	1	X
		Free text; one to five lines.			
	4440	Free text	M	an..512	X
		Free text field available to the message sender for information.			
	4440	Free text	C	an..512	X
		Free text field available to the message sender for information.			
3453	4440	Free text	C	an..512	X
		Free text field available to the message sender for information.			
4447	4440	Free text	C	an..512	X
		Free text field available to the message sender for information.			
	3453	LANGUAGE, CODED	C	1 an..3	X
		Code of language (ISO 639-1988).			
	4447	TEXT FORMATTING, CODED	C	1 an..3	X
		Code specifying the formatting parameters for the text.			



Segment: **FTX** Free Text
Position: 0040
Group:
Level: 0
Usage: Conditional (Optional)
Max Use: 1
Purpose: A segment to give information on the changes in the message in case of changes to previously sent message. The text subject to be qualified: - Change information

Dependency Notes:

Data Element Summary				
Data Element	Component Element	Name	Base Attributes	User Attributes
4451		TEXT SUBJECT QUALIFIER Code qualifying the subject of the text. <i>ACB Additional information</i> <i>The text contains additional information.</i>	M 1 an..3	M
4453		TEXT FUNCTION, CODED Code specifying the function of free text.	C 1 an..3	X
C107		TEXT REFERENCE Coded reference to a standard text and its source.	C 1	X
	4441	Free text identification Code specifying free form text.	M an..17	X
	1131	Code list qualifier Code identifying a user or association maintained code list.	C an..17	X
	3055	Code list responsible agency, coded Code specifying the agency responsible for a code list.	C an..3	X
C108		TEXT LITERAL Free text; one to five lines.	C 1	R
	4440	Free text Free form text.	M an..512	M
		<i>DGN REMARKS GENERAL O</i>		
	4440	Free text Free form text.	C an..512	O
	4440	Free text Free form text.	C an..512	O
	4440	Free text Free form text.	C an..512	O
	4440	Free text Free form text.	C an..512	O
3453		LANGUAGE, CODED Code specifying the language name.	C 1 an..3	X
4447		TEXT FORMATTING, CODED Code specifying the format of free text.	C 1 an..3	X



Segment: **FTX** Free Text
Position: 0040
Group:
Level: 1
Usage: Conditional (Dependent)
Max Use: 2
Purpose: To provide free form or coded text information.
Dependency Notes:
Business Rules: 1. If TankerNotanker EQ '89T', then set Usage to 'Used'

Data Element Summary				
Data Element	Component Element	Name	Base Attributes	User Attributes
4451		TEXT SUBJECT QUALIFIER Code qualifying the subject of the text.	M 1 an..3	M
		MAIN VESSEL CERTIFICATE/FITNESS AVAILABLE INDICATOR		O
		MAIN VESSEL CERTIFICATE/FITNESS STOWAGE INDICATOR		O
		COF Certificate of Fitness available *Code added.		
		COS Certificate of Fitness Stowage *Code added.		
4453		TEXT FUNCTION, CODED Code specifying the function of free text.	C 1 an..3	X
C107		TEXT REFERENCE Coded reference to a standard text and its source.	C 1	X
	4441	Free text identification Code specifying free form text.	M an..17	X
	1131	Code list qualifier Code identifying a user or association maintained code list.	C an..17	X
	3055	Code list responsible agency, coded Code specifying the agency responsible for a code list.	C an..3	X
C108		TEXT LITERAL Free text; one to five lines.	C 1	X
	4440	Free text Free form text.	M an..512	X
	4440	Free text Free form text.	C an..512	X
	4440	Free text Free form text.	C an..512	X
	4440	Free text Free form text.	C an..512	X
	4440	Free text Free form text.	C an..512	X
3453		LANGUAGE, CODED Code specifying the language name.	C 1 an..3	X
4447		TEXT FORMATTING, CODED Code specifying the format of free text.	C 1 an..3	X



Segment: **FTX** Free Text
Position: 0040
Group:
Level: 1
Usage: Conditional (Dependent)
Max Use: 3
Purpose: To provide free form or coded text information.
Dependency Notes:

Data Element Summary				
Data Element	Component Element	Name	Base Attributes	User Attributes
4451		TEXT SUBJECT QUALIFIER Code qualifying the subject of the text. MAIN VESSEL CERTIFICATE/SOLAS AVAILABLE INDICATOR 0 MAIN VESSEL REPORTS DEFECT INDICATOR 0 EMERGENCY INSTRUCTION AVAILABLE INDICATOR 0 AFJ Defect description Description of the defect. EMR Emergency instructions available *Code added. SOL SOLAS Certificate available *Code added.	M 1 an..3	M
4453		TEXT FUNCTION, CODED Code specifying the function of free text.	C 1 an..3	X
C107		TEXT REFERENCE Coded reference to a standard text and its source.	C 1	X
	4441	Free text identification Code specifying free form text.	M an..17	X
	1131	Code list qualifier Code identifying a user or association maintained code list.	C an..17	X
	3055	Code list responsible agency, coded Code specifying the agency responsible for a code list.	C an..3	X
C108		TEXT LITERAL Free text; one to five lines.	C 1	X
	4440	Free text Free form text.	M an..512	X
	4440	Free text Free form text.	C an..512	X
	4440	Free text Free form text.	C an..512	X
	4440	Free text Free form text.	C an..512	X
	4440	Free text Free form text.	C an..512	X
3453		LANGUAGE, CODED Code specifying the language name.	C 1 an..3	X
4447		TEXT FORMATTING, CODED Code specifying the format of free text.	C 1 an..3	X



Segment: **HAN** Handling Instructions
Position: 0050
Group:
Level: 0
Usage: Conditional (Dependent)
Max Use: 1
Purpose: A segment to report a handling operation to be taken on the hazardous cargo. (Some ports oblige the agents to report only one handling operation of hazardous cargo per IFTDGN message).

Dependency Notes:

- Business Rules:**
1. If HandlingActionConsig DOESN'T EXIST, then set Usage to 'Must Use'
 2. If HandlingActionConsig EXISTS, then set Usage to 'Not Used'

Data Element Summary

Data Element	Component Element	Name	Base Attributes	User Attributes
C524		HANDLING INSTRUCTIONS Instruction for the handling of goods, products or articles in shipment, storage etc.	C 1	R
	4079	Handling instruction description code Code specifying a handling instruction. Business Rules: Variable Name:HandlingAction <i>GOODS HANDLING INFO CODED C</i> <i>Remarks for HAN segment on message level in exceptional situation:</i> <i>In the Port of Antwerp two additional codes may need to be used (namely for the case that one party acts both as forwarder and as carrier's agent (NAD with qualifier for Both)):</i> DO Discharge/on-carriage PL Pre-carriage/load CTC Cargo Tank Cleaning LDI Discharge action LLO Load action RES Re-stow T In Transit action TSP Transportation in the same port	C an..3	R
	1131	Code list qualifier Identification of a code list.	C	an..17 X
	3055	Code list responsible agency, coded Code identifying the agency responsible for a code list.	C	an..3 X
	4078	Handling instruction description Free form description of a handling instruction.	C	an..70 X
C218		HAZARDOUS MATERIAL To specify a hazardous material.	C 1	X
	7419	Hazardous material category name code Code specifying a kind of hazard for a material.	C	an..7 X
	1131	Code list qualifier Identification of a code list.	C	an..17 X
	3055	Code list responsible agency, coded Code identifying the agency responsible for a code list.	C	an..3 X
	7418	Hazardous material category name Name of a kind of hazard for a material.	C	an..35 X



Group: **RFF** Segment Group 1: Reference
Position: 0060
Group:
Level: 1
Usage: Optional (Dependent)
Max Use: 1
Purpose: A group of segments to specify a reference relating to the whole message and its date and time.

Segment Summary

	Pos.	Seg.		Req.	Max.	Group:
	<u>No.</u>	<u>ID</u>	<u>Name</u>	<u>Des.</u>	<u>Use</u>	<u>Repeat</u>
M	0070	RFF	Reference	M	1	



Segment: **RFF** Reference
Position: 0070 (Trigger Segment)
Group: SG1
Level: 1
Usage: Mandatory
Max Use: 1
Purpose: A segment to express a reference which applies to the entire message. The reference to be qualified: - Carrier's agent reference number - Freight forwarders reference number - Reference to previous message

Dependency Notes:

Business Rules: 1. If MessageFunction NE '9', then set Usage to 'Must Use'

Data Element Summary

<u>Data Element</u>	<u>Component Element</u>	<u>Name</u>	<u>Base Attributes</u>	<u>User Attributes</u>
C506		REFERENCE Identification of a reference.	M	1
	1153	Reference code qualifier Code qualifying a reference. <i>ACW</i> <i>Reference number to previous message</i> <i>Reference number assigned to the message which was previously issued (e.g. in the case of a cancellation, the primary reference of the message to be cancelled will be quoted in this element).</i>	M	an..3
	1154	Reference identifier Identifies a reference.	C	an..70
		MESSAGE CHANGE REFERENCE PREVIOUS MESSAGE	C	
	1156	Document line identifier To identify a line of a document.	C	an..6
	4000	Reference version identifier To identify the version of a reference.	C	an..35
	1060	Revision identifier To identify a revision.	C	an..6



Group: **RFF** Segment Group 1: Reference
Position: 0060
Group:
Level: 1
Usage: Conditional (Optional)
Max Use: 9
Purpose: A group of segments to specify a reference relating to the whole message and its date and time.

Segment Summary

	Pos.	Seg.		Req.	Max.	Group:
	<u>No.</u>	<u>ID</u>	<u>Name</u>	<u>Des.</u>	<u>Use</u>	<u>Repeat</u>
M	0070	RFF	Reference	M	1	



Segment: **RFF** Reference
Position: 0070 (Trigger Segment)
Group: SG1
Level: 1
Usage: Mandatory
Max Use: 1
Purpose: A segment to express a reference which applies to the entire message. The reference to be qualified: - Carrier's agent reference number - Freight forwarders reference number - Reference to previous message

Dependency Notes:

Data Element Summary				
Data Element	Component Element	Name	Base Attributes	User Attributes
C506		REFERENCE Identification of a reference.	M 1	M
	1153	Reference code qualifier Code qualifying a reference.	M	an..3 M
		AAY <i>Carrier's agent reference number</i> <i>Reference number assigned by the carriers agent to a transaction.</i>		
		ALG <i>Dangerous goods security number</i> <i>Reference number allocated by an authority in order to control the dangerous goods on board of a specific means of transport for dangerous goods security purposes.</i>		
		FF <i>Freight forwarder's reference number</i> <i>[1460] Reference number assigned to the consignment by the freight forwarder.</i>		
	1154	Reference identifier Identifies a reference.	C	an..70 R
		DGN REFERENCE FORWARDER O		
		DGN REFERENCE OCEAN CARRIER AGENT O		
		DGN SECURITY FILE REFERENCE O		
	1156	Document line identifier To identify a line of a document.	C	an..6 X
	4000	Reference version identifier To identify the version of a reference.	C	an..35 X
	1060	Revision identifier To identify a revision.	C	an..6 X



Group: **TDT** **Segment Group 2: Transport Information**
Position: 0090
Group:
Level: 1
Usage: Conditional (Required)
Max Use: 1
Purpose: A group of segments to indicate the details of the movement of goods such as means of transport, locations, arrival date/times. The following conditions apply: 1 This group should be completed when the IFTDGN relates to a seagoing vessel. 2 This group is not necessarily used when the IFTDGN does not relate to a seagoing vessel.

Segment Summary

	Pos.	Seg.		Req.	Max.	Group:
	No.	ID	Name	Des.	Use	Repeat
M	0100	TDT	Transport Information	M	1	
D	0120	RFF	Reference	C	1	
O	0120	RFF	Reference	C	8	
	0130		Segment Group 3: Place/Location Identification	C		1
	0130		Segment Group 3: Place/Location Identification	C		2



Segment: **TDT** Transport Information
Position: 0100 (Trigger Segment)
Group: SG2
Level: 1
Usage: Mandatory
Max Use: 1
Purpose: A segment to indicate the transport information related to the visit of a means of transport in the port. The transport details to be specified: - Main transport

Dependency Notes:

Data Element Summary				
Data Element	Component Element	Name	Base Attributes	User Attributes
8051		TRANSPORT STAGE CODE QUALIFIER Code qualifying a specific stage of transport. 20 <i>Main-carriage transport</i> <i>The primary stage in the movement of cargo from the point of origin to the intended destination.</i>	M 1 an..3	M
8028		MEANS OF TRANSPORT JOURNEY IDENTIFIER To identify a journey of a means of transport. <i>MAIN OCEAN VOYAGE REF O</i>	C 1 an..17	O
C220		MODE OF TRANSPORT Method of transport code or name. Code preferred.	C 1	R
	8067	Transport mode name code Code specifying the name of a mode of transport. Business Rules: Variable Name:TransportMode 1 <i>Maritime transport</i> 2 <i>Rail transport</i> 3 <i>Road transport</i> 7 <i>Fixed transport installations</i> 8 <i>Inland water transport</i>	C an..3	R
	8066	Transport mode name Name of a mode of transport.	C an..17	X
C001		TRANSPORT MEANS Code and/or name identifying the type of means of transport.	C 1	O
	8179	Transport means description code Code specifying the means of transport. <i>MAIN VESSEL TYPE CODED O</i>	C an..8	O
	1131	Code list qualifier Identification of a code list.	C an..17	X
	3055	Code list responsible agency, coded Code identifying the agency responsible for a code list.	C an..3	X
	8178	Transport means description Free form description of the means of transport. <i>MAIN VESSEL TYPE DESCR O</i>	C an..17	O
C040		CARRIER Identification of a carrier by code and/or by name. Code preferred.	C 1	X
	3127	Carrier identifier To identify a carrier.	C an..17	X
	1131	Code list qualifier Identification of a code list.	C an..17	X
	3055	Code list responsible agency, coded Code identifying the agency responsible for a code list.	C an..3	X
	3128	Carrier name Name of a carrier.	C an..35	X



8101	TRANSIT DIRECTION INDICATOR CODE	C	1	an..3	X
	Code specifying the direction of transport.				
C401	EXCESS TRANSPORTATION INFORMATION	C	1		X
	To provide details of reason for, and responsibility for, use of transportation other than normally utilized.				
8457	Excess transportation reason code	M		an..3	X
	Code specifying the reason for excess transportation.				
8459	Excess transportation responsibility code	M		an..3	X
	Code specifying the responsibility for excess transportation.				
7130	Customer shipment authorisation identifier	C		an..17	X
	To identify the authorisation to ship issued by the customer.				
C222	TRANSPORT IDENTIFICATION	C	1		O
	Code and/or name identifying the means of transport.				
8213	Transport means identification name identifier	C		an..9	D
	Identifies the name of the transport means.				
	Business Rules:				
	1. If TransportMode EQ '1', then set Usage to 'Must Use'				
	<i>MAIN VESSEL ID LRN</i> C				
1131	Code list qualifier	C		an..17	X
	Identification of a code list.				
3055	Code list responsible agency, coded	C		an..3	X
	Code identifying the agency responsible for a code list.				
8212	Transport means identification name	C		an..70	D
	Name identifying a means of transport.				
	Business Rules:				
	1. If TransportMode EQ '1', then set Usage to 'Must Use'				
	<i>*Note: Representation extended to 70 characters (an..70 instead of an..35).</i>				
	<i>MAIN VESSEL NAME</i> C				
8453	Transport means nationality code	C		an..3	D
	Code specifying the nationality of a means of transport.				
	Business Rules:				
	1. If TransportMode EQ '1', then set Usage to 'Must Use'				
	<i>MAIN VESSEL NATIONALITY CODED</i> C				
8281	TRANSPORT MEANS OWNERSHIP INDICATOR CODE	C	1	an..3	X
	Code indicating the ownership of a means of transport.				



Segment: **RFF** Reference
Position: 0120
Group: SG2
Level: 2
Usage: Conditional (Dependent)
Max Use: 1
Purpose: A segment to indicate the transport licence reference number(s) of the main transport.

Dependency Notes:

Business Rules: 1. If TransportMode EQ '1', then set Usage to 'Must Use'

Data Element Summary

<u>Data Element</u>	<u>Component Element</u>	<u>Name</u>	<u>Base Attributes</u>	<u>User Attributes</u>
C506		REFERENCE Identification of a reference.	M 1	M
	1153	Reference code qualifier Code qualifying a reference. VM Vessel identification (8123) Reference identifying a vessel. <i>Note: The reference to UN Rec 10 identifies that the reference number is the code identifying the vessel according to International Telecommunication Union's (ITU's) Radio Call Sign (RCS) for the vessel.</i>	M an..3	M
	1154	Reference identifier Identifies a reference. MAIN VESSEL ID RCS C	C an..70	R
	1156	Document line identifier To identify a line of a document.	C an..6	X
	4000	Reference version identifier To identify the version of a reference.	C an..35	X
	1060	Revision identifier To identify a revision.	C an..6	X



Segment: **RFF** Reference
Position: 0120
Group: SG2
Level: 2
Usage: Conditional (Optional)
Max Use: 8
Purpose: A segment to indicate the transport licence reference number(s) of the main transport.

Dependency Notes:

Data Element Summary				
Data Element	Component Element	Name	Base Attributes	User Attributes
C506		REFERENCE Identification of a reference.	M 1	M
	1153	Reference code qualifier Code qualifying a reference.	M	an..3 M
		ALH <i>Dangerous goods transport licence number</i>		
		ATZ <i>Licence number allocated by an authority as to the permission of carrying dangerous goods by a specific means of transport.</i>		
		VON <i>Ship's stay reference number</i>		
		<i>Reference number assigned by a port authority to the stay of a vessel in the port.</i>		
		<i>Voyage number</i>		
		<i>[8228] Reference number assigned by the carrier or his agent to the voyage of the vessel.</i>		
		<i>Carrier agents voyage number if different from Carrier voyage number in TDT 8028.</i>		
	1154	Reference identifier Identifies a reference.	C	an..70 R
		MAIN OCEAN SHIP'S STAY REFERENCE O		
		MAIN VESSEL TRANSPORT LICENSE NUMBER O		
		MAIN VESSEL VOYAGE REF ALTERNATIVE O		
	1156	Document line identifier To identify a line of a document.	C	an..6 X
	4000	Reference version identifier To identify the version of a reference.	C	an..35 X
	1060	Revision identifier To identify a revision.	C	an..6 X



Group: **LOC** **Segment Group 3: Place/Location Identification**
Position: 0130
Group: Segment Group 2 (Transport Information) Conditional (Required)
Level: 2
Usage: Conditional (Required)
Max Use: 1
Purpose: A segment group to specify locations related to the arrival of the means of transport.

Segment Summary

	Pos.	Seg.		Req.	Max.	Group:
	No.	ID	Name	Des.	Use	Repeat
M	0140	LOC	Place/Location Identification	M	1	
D	0150	DTM	Date/Time/Period	C	1	
O	0150	DTM	Date/Time/Period	C	1	



Segment: **LOC** Place/Location Identification
Position: 0140 (Trigger Segment)
Group: SG2-SG3
Level: 2
Usage: Mandatory
Max Use: 1
Purpose: A segment to indicate locations related to the arrival of the means of transport including port of discharge, port of origin as well as berths.

Dependency Notes:

Data Element Summary				
Data Element	Component Element	Name	Base Attributes	User Attributes
3227		LOCATION FUNCTION CODE QUALIFIER Code identifying the function of a location. 153 Port of call Port where a vessel has called upon or will call upon.	M 1 an..3	M
C517		LOCATION IDENTIFICATION Identification of a location by code or name.	C 1	R
	3225	Location name code Code specifying the name of the location. <i>Note: Use UN/ECE Recommendation No. 16: UNLOCODE.</i> MAIN VESSEL PORT/CALL CODED M	C an..35	R
	1131	Code list qualifier Code identifying a user or association maintained code list.	C an..17	X
	3055	Code list responsible agency, coded Code specifying the agency responsible for a code list.	C an..3	X
	3224	Location name Name of the location.	C an..256	X
C519		RELATED LOCATION ONE IDENTIFICATION Identification the first related location by code or name.	C 1	X
	3223	First related location name code Code specifying first related location.	C an..25	X
	1131	Code list qualifier Code identifying a user or association maintained code list.	C an..17	X
	3055	Code list responsible agency, coded Code specifying the agency responsible for a code list.	C an..3	X
	3222	First related location name Name of first related location.	C an..70	X
C553		RELATED LOCATION TWO IDENTIFICATION Identification of second related location by code or name.	C 1	X
	3233	Second related location name code Code specifying the second related location.	C an..25	X
	1131	Code list qualifier Code identifying a user or association maintained code list.	C an..17	X
	3055	Code list responsible agency, coded Code specifying the agency responsible for a code list.	C an..3	X
	3232	Second related location name Name of the second related location.	C an..70	X
5479		RELATION CODE Code specifying a relation.	C 1 an..3	X



Segment: **DTM** Date/Time/Period
Position: 0150
Group: SG2-SG3
Level: 3
Usage: Conditional (Dependent)
Max Use: 1
Purpose: A segment to specify estimated date(s) and time(s) of arrival at, and departure from the location.

Dependency Notes:

Business Rules: 1. If TransportMode EQ '1', then set Usage to 'Must Use'

Data Element Summary

<u>Data Element</u>	<u>Component Element</u>	<u>Name</u>	<u>Base Attributes</u>	<u>User Attributes</u>
C507		DATE/TIME/PERIOD Date and/or time, or period relevant to the specified date/time/period type.	M 1	M
	2005	Date or time or period function code qualifier Code qualifying the function of a date, time or period. 132 <i>Arrival date/time, estimated</i> <i>[2348] Date/time when carrier estimates that a means of transport should arrive at the port of discharge or place of destination.</i>	M an..3	M
	2380	Date or time or period text The value of a date, a date and time, a time or of a period in a specified representation. MAIN VESSEL D/T ETA POC C - Date/times are specified in local time.	C an..35	R
	2379	Date or time or period format code Code specifying the representation of a date, time or period. 203 CCYYMMDDHHMM <i>Calendar date including time with minutes: C=Century; Y=Year; M=Month; D=Day; H=Hour; M=Minutes.</i>	C an..3	R



Segment: **DTM** Date/Time/Period
Position: 0150
Group: SG2-SG3
Level: 3
Usage: Conditional (Optional)
Max Use: 1
Purpose: A segment to specify estimated date(s) and time(s) of arrival at, and departure from the location.

Dependency Notes:

Data Element Summary				
Data Element	Component Element	Name	Base Attributes	User Attributes
C507		DATE/TIME/PERIOD Date and/or time, or period relevant to the specified date/time/period type.	M 1	M
	2005	Date or time or period function code qualifier Code qualifying the function of a date, time or period. 133 <i>Departure date/time, estimated</i> <i>Date/time when carrier estimates that a means of transport should depart at the place of departure.</i>	M an..3	M
	2380	Date or time or period text The value of a date, a date and time, a time or of a period in a specified representation.	C an..35	R
		<i>MAIN VESSEL D/T ETD POC</i> 0		
	2379	Date or time or period format code Code specifying the representation of a date, time or period. 203 <i>CCYYMMDDHHMM</i> <i>Calendar date including time with minutes: C=Century; Y=Year; M=Month; D=Day; H=Hour; M=Minutes.</i>	C an..3	R



Group: **LOC** **Segment Group 3: Place/Location Identification**
Position: 0130
Group: Segment Group 2 (Transport Information) Conditional (Required)
Level: 2
Usage: Conditional (Optional)
Max Use: 2
Purpose: A segment group to specify locations related to the arrival of the means of transport.

Segment Summary

	Pos. No.	Seg. ID	Name	Req. Des.	Max. Use	Group: Repeat
M	0140	LOC	Place/Location Identification	M	1	



Segment: **LOC** Place/Location Identification
Position: 0140 (Trigger Segment)
Group: SG2-SG3
Level: 2
Usage: Mandatory
Max Use: 1
Purpose: A segment to indicate locations related to the arrival of the means of transport including port of discharge, port of origin as well as berths.

Dependency Notes:

Data Element Summary				
Data Element	Component Element	Name	Base Attributes	User Attributes
3227		LOCATION FUNCTION CODE QUALIFIER Code identifying the function of a location. 5 <i>Place of departure</i> (3214) Port, airport or other location from which a means of transport or transport equipment is scheduled to depart or has departed. <i>Synonym: Port of origin (of vessel's voyage).</i> 61 <i>Next port of call</i> <i>Next port which the vessel is going to call upon.</i>	M 1 an..3	M
C517		LOCATION IDENTIFICATION Identification of a location by code or name.	C 1	R
	3225	Location name code Code specifying the name of the location. <i>Note: Use UN/ECE Recommendation No. 16: UNLOCODE.</i> MAIN VESSEL PORT/CALL NEXT CODED O MAIN VESSEL PORT/ORIGIN CODED O	C an..35	O
	1131	Code list qualifier Identification of a code list.	C an..17	X
	3055	Code list responsible agency, coded Code identifying the agency responsible for a code list.	C an..3	X
	3224	Location name Name of the location. MAIN VESSEL PORT/CALL NEXT NAME O MAIN VESSEL PORT/ORIGIN NAME O	C an..256	O
C519		RELATED LOCATION ONE IDENTIFICATION Identification the first related location by code or name.	C 1	X
	3223	First related location name code Code specifying first related location.	C an..25	X
	1131	Code list qualifier Identification of a code list.	C an..17	X
	3055	Code list responsible agency, coded Code identifying the agency responsible for a code list.	C an..3	X
	3222	First related location name Name of first related location.	C an..70	X
C553		RELATED LOCATION TWO IDENTIFICATION Identification of second related location by code or name.	C 1	X
	3233	Second related location name code Code specifying the second related location.	C an..25	X
	1131	Code list qualifier Identification of a code list.	C an..17	X
	3055	Code list responsible agency, coded Code identifying the agency responsible for a code list.	C an..3	X
	3232	Second related location name Name of the second related location.	C an..70	X
5479		RELATION CODE Code specifying a relation.	C 1 an..3	X



Group: **NAD** Segment Group 4: Name and Address
Position: 0160
Group:
Level: 1
Usage: Conditional (Required)
Max Use: 1
Purpose: A group of segments to identify a party relevant to the entire message, and its related contacts.

Segment Summary						
	Pos.	Seg.		Req.	Max.	Group:
	No.	ID	Name	Des.	Use	Repeat
M	0170	NAD	Name and Address	M	1	
	0180		Segment Group 5: Contact Information	C		2



Segment: **NAD** Name and Address
Position: 0170 (Trigger Segment)
Group: SG4
Level: 1
Usage: Mandatory
Max Use: 1
Purpose: A segment to identify a party's name, address and function relevant to the entire message. The functions to be qualified: - Carrier - either Carrier's agent or Freight forwarder Remark: the place of this segment group in the message is derived from the single consignment based (IFTMxx) messages (and not the IFCSUM message). e.g.: Message recipient, Message sender, Acknowledgement recipient, Notify party (in case of calamity).

Dependency Notes:

Data Element Summary					
Data Element	Component Element	Name	Base Attributes		User Attributes
3035		PARTY FUNCTION CODE QUALIFIER Code giving specific meaning to a party. <i>MS Document/message issuer/sender Issuer of a document and/or sender of a message.</i>	M	1 an..3	M
C082		PARTY IDENTIFICATION DETAILS Identification of a transaction party by code.	C	1	R
	3039	Party identifier Code specifying the identity of a party. <i>MESSAGE SENDER ID M</i>	M	an..35	M
	1131	Code list qualifier Identification of a code list.	C	an..17	X
	3055	Code list responsible agency, coded Code identifying the agency responsible for a code list.	C	an..3	X
C058		NAME AND ADDRESS Unstructured name and address: one to five lines.	C	1	O
	3124	Name and address description Free form description of a name and address line. <i>MESSAGE SENDER NAME & ADDR, etc. C</i>	M	an..35	M
	3124	Name and address description Free form description of a name and address line.	C	an..35	O
	3124	Name and address description Free form description of a name and address line.	C	an..35	O
	3124	Name and address description Free form description of a name and address line.	C	an..35	O
	3124	Name and address description Free form description of a name and address line.	C	an..35	O
C080		PARTY NAME Identification of a transaction party by name, one to five lines. Party name may be formatted.	C	1	O
	3036	Party name Name of a party.	M	an..35	M
	3036	Party name Name of a party.	C	an..35	O
	3036	Party name Name of a party.	C	an..35	O
	3036	Party name Name of a party.	C	an..35	O
	3036	Party name Name of a party.	C	an..35	O



	3045	Party name format code	C	an..3	X
		Code specifying the representation of a party name.			
C059		STREET	C	1	O
		Street address and/or PO Box number in a structured address: one to four lines.			
	3042	Street and number or post office box identifier	M	an..35	M
		To identify a street and number and/or Post Office box number.			
	3042	Street and number or post office box identifier	C	an..35	O
		To identify a street and number and/or Post Office box number.			
	3042	Street and number or post office box identifier	C	an..35	O
		To identify a street and number and/or Post Office box number.			
	3042	Street and number or post office box identifier	C	an..35	O
		To identify a street and number and/or Post Office box number.			
3164		CITY NAME	C	1 an..35	O
		Name of a city.			
C819		COUNTRY SUB-ENTITY DETAILS	C	1	O
		To specify a part of a country (eg county or part of a city).			
	3229	Country sub-entity name code	C	an..9	O
		Code specifying the name of a country sub-entity.			
	1131	Code list qualifier	C	an..17	X
		Identification of a code list.			
	3055	Code list responsible agency, coded	C	an..3	X
		Code identifying the agency responsible for a code list.			
	3228	Country sub-entity name	C	an..70	X
		Name of a country sub-entity.			
3251		POSTAL IDENTIFICATION CODE	C	1 an..17	O
		Code specifying the postal zone or address.			
3207		COUNTRY, CODED	C	1 an..3	O
		Identification of the name of the country or other geographical entity as defined in ISO 3166-1.			



Group: **CTA** **Segment Group 5: Contact Information**
Position: 0180
Group: Segment Group 4 (Name and Address) Conditional (Required)
Level: 2
Usage: Conditional (Optional)
Max Use: 2
Purpose: A group of segments identifying a contact and its communications related to the party, e.g. to whom an acknowledgement is to be sent or who is to be contacted in case of a calamity.

Segment Summary

	Pos.	Seg.		Req.	Max.	Group:
	No.	ID	Name	Des.	Use	Repeat
M	0190	CTA	Contact Information	M	1	
O	0200	COM	Communication Contact	C	3	



Segment: **CTA** **Contact Information**
Position: 0190 (Trigger Segment)
Group: SG4-SG5
Level: 2
Usage: Mandatory
Max Use: 1
Purpose: A segment to identify a person or department within a party.
Dependency Notes:

Data Element Summary

<u>Data Element</u>	<u>Component Element</u>	<u>Name</u>	<u>Base Attributes</u>	<u>User Attributes</u>
3139		CONTACT FUNCTION CODE Code specifying the function of a contact (e.g. department or person). <i>IC Information contact Department/person to contact for questions regarding transactions.</i>	C 1 an..3	R
C056		DEPARTMENT OR EMPLOYEE DETAILS Code and/or name of a department or employee. Code preferred.	C 1	R
	3413	Department or employee name code Code specifying the name of a department or employee.	C an..17	X
	3412	Department or employee name Name of a department or employee.	C an..35	R
		MESSAGE SENDER CONTACT NAME	O	



Segment: **COM** **Communication Contact**
Position: 0200
Group: SG4-SG5
Level: 3
Usage: Conditional (Optional)
Max Use: 3
Purpose: A segment to identify a communication number of a person or department to whom communication should be directed, e.g. e-mail number, telefax number, telephone number.

Dependency Notes:

Data Element Summary				
<u>Data Element</u>	<u>Component Element</u>	<u>Name</u>	<u>Base Attributes</u>	<u>User Attributes</u>
C076		COMMUNICATION CONTACT	M	3
		Communication number of a department or employee in a specified channel.		
	3148	Communication address identifier	M	an..512
		To identify a communication address.		
		MESSAGE SENDER CONTACT PHONE/FAX/EMAIL	O	
		<i>No spaces or hyphens allowed.</i>		
	3155	Communication address code qualifier	M	an..3
		Code qualifying the communication address.		
		<i>EM</i>		<i>Electronic mail</i>
				<i>Exchange of mail by electronic means.</i>
		<i>FX</i>		<i>Telefax</i>
				<i>Device used for transmitting and reproducing fixed graphic material (as printing) by means of signals over telephone lines or other electronic transmission media.</i>
		<i>TE</i>		<i>Telephone</i>
				<i>Voice/data transmission by telephone.</i>



Group: **NAD** Segment Group 4: Name and Address
Position: 0160
Group:
Level: 1
Usage: Conditional (Required)
Max Use: 1
Purpose: A group of segments to identify a party relevant to the entire message, and its related contacts.

Segment Summary						
	<u>Pos.</u> <u>No.</u>	<u>Seg.</u> <u>ID</u>	<u>Name</u>	<u>Req.</u> <u>Des.</u>	<u>Max.</u> <u>Use</u>	<u>Group:</u> <u>Repeat</u>
M	0170	NAD	Name and Address	M	1	
	0180		Segment Group 5: Contact Information	C		2



Segment: **NAD** Name and Address
Position: 0170 (Trigger Segment)
Group: SG4
Level: 1
Usage: Mandatory
Max Use: 1
Purpose: A segment to identify a party's name, address and function relevant to the entire message. The functions to be qualified: - Carrier - either Carrier's agent or Freight forwarder Remark: the place of this segment group in the message is derived from the single consignment based (IFTMxx) messages (and not the IFCSUM message). e.g.: Message recipient, Message sender, Acknowledgement recipient, Notify party (in case of calamity).

Dependency Notes:

Data Element Summary					
Data Element	Component Element	Name	Base Attributes		User Attributes
3035		PARTY FUNCTION CODE QUALIFIER Code giving specific meaning to a party. <i>MR Message recipient</i> <i>A party to receive a message or messages.</i>	M	1 an..3	M
C082		PARTY IDENTIFICATION DETAILS Identification of a transaction party by code.	C	1	R
	3039	Party identifier Code specifying the identity of a party. <i>MESSAGE RECIPIENT ID M</i>	M	an..35	M
	1131	Code list qualifier Code identifying a user or association maintained code list.	C	an..17	X
	3055	Code list responsible agency, coded Code specifying the agency responsible for a code list.	C	an..3	X
C058		NAME AND ADDRESS Unstructured name and address: one to five lines.	C	1	O
	3124	Name and address description Free form description of a name and address line. <i>MESSAGE RECIPIENT NAME & ADDRESS, etc.</i>	M	an..35	M
	3124	Name and address description Free form description of a name and address line.	C	an..35	O
	3124	Name and address description Free form description of a name and address line.	C	an..35	O
	3124	Name and address description Free form description of a name and address line.	C	an..35	O
	3124	Name and address description Free form description of a name and address line.	C	an..35	O
C080		PARTY NAME Identification of a transaction party by name, one to five lines. Party name may be formatted.	C	1	O
	3036	Party name Name of a party.	M	an..35	M
	3036	Party name Name of a party.	C	an..35	O
	3036	Party name Name of a party.	C	an..35	O
	3036	Party name Name of a party.	C	an..35	O
	3036	Party name Name of a party.	C	an..35	O



	3045	Party name format code	C	an..3	X
		Code specifying the representation of a party name.			
C059		STREET	C	1	O
		Street address and/or PO Box number in a structured address: one to four lines.			
	3042	Street and number or post office box identifier	M	an..35	M
		To identify a street and number and/or Post Office box number.			
	3042	Street and number or post office box identifier	C	an..35	O
		To identify a street and number and/or Post Office box number.			
	3042	Street and number or post office box identifier	C	an..35	O
		To identify a street and number and/or Post Office box number.			
	3042	Street and number or post office box identifier	C	an..35	O
		To identify a street and number and/or Post Office box number.			
3164		CITY NAME	C	1 an..35	O
		Name of a city.			
C819		COUNTRY SUB-ENTITY DETAILS	C	1	O
		To specify a part of a country (eg county or part of a city).			
	3229	Country sub-entity name code	C	an..9	O
		Code specifying the name of a country sub-entity.			
	1131	Code list qualifier	C	an..17	X
		Code identifying a user or association maintained code list.			
	3055	Code list responsible agency, coded	C	an..3	X
		Code specifying the agency responsible for a code list.			
	3228	Country sub-entity name	C	an..70	X
		Name of a country sub-entity.			
3251		POSTAL IDENTIFICATION CODE	C	1 an..17	O
		Code specifying the postal zone or address.			
3207		COUNTRY, CODED	C	1 an..3	O
		Identification of the name of the country or other geographical entity as defined in ISO 3166-1.			



Group: **CTA** **Segment Group 5: Contact Information**
Position: 0180
Group: Segment Group 4 (Name and Address) Conditional (Required)
Level: 2
Usage: Conditional (Optional)
Max Use: 2
Purpose: A group of segments identifying a contact and its communications related to the party, e.g. to whom an acknowledgement is to be sent or who is to be contacted in case of a calamity.

Segment Summary

	Pos.	Seg.		Req.	Max.	Group:
	No.	ID	Name	Des.	Use	Repeat
M	0190	CTA	Contact Information	M	1	
O	0200	COM	Communication Contact	C	3	



Segment: **CTA** **Contact Information**
Position: 0190 (Trigger Segment)
Group: SG4-SG5
Level: 2
Usage: Mandatory
Max Use: 1
Purpose: A segment to identify a person or department within a party.
Dependency Notes:

Data Element Summary

<u>Data Element</u>	<u>Component Element</u>	<u>Name</u>	<u>Base Attributes</u>	<u>User Attributes</u>
3139		CONTACT FUNCTION CODE Code specifying the function of a contact (e.g. department or person). <i>IC Information contact Department/person to contact for questions regarding transactions.</i>	C 1 an..3	R
C056		DEPARTMENT OR EMPLOYEE DETAILS Code and/or name of a department or employee. Code preferred.	C 1	R
	3413	Department or employee name code Code specifying the name of a department or employee.	C an..17	X
	3412	Department or employee name Name of a department or employee.	C an..35	R
		<i>MESSAGE RECIPIENT CONTACT NAME</i>	<i>O</i>	



Segment: **COM** **Communication Contact**
Position: 0200
Group: SG4-SG5
Level: 3
Usage: Conditional (Optional)
Max Use: 3
Purpose: A segment to identify a communication number of a person or department to whom communication should be directed, e.g. e-mail number, telefax number, telephone number.

Dependency Notes:

Data Element Summary				
<u>Data Element</u>	<u>Component Element</u>	<u>Name</u>	<u>Base Attributes</u>	<u>User Attributes</u>
C076		COMMUNICATION CONTACT	M	3
		Communication number of a department or employee in a specified channel.		
	3148	Communication address identifier	M	an..512
		To identify a communication address.		
		MESSAGE RECIPIENT CONTACT PHONE/FAX/EMAIL		O
		<i>No spaces or hyphens allowed.</i>		
	3155	Communication address code qualifier	M	an..3
		Code qualifying the communication address.		
		<i>EM</i>		<i>Electronic mail</i>
				<i>Exchange of mail by electronic means.</i>
		<i>FX</i>		<i>Telefax</i>
				<i>Device used for transmitting and reproducing fixed graphic material (as printing) by means of signals over telephone lines or other electronic transmission media.</i>
		<i>TE</i>		<i>Telephone</i>
				<i>Voice/data transmission by telephone.</i>



Group: **NAD** Segment Group 4: Name and Address
Position: 0160
Group:
Level: 1
Usage: Conditional (Required)
Max Use: 1
Purpose: A group of segments to identify a party relevant to the entire message, and its related contacts.

Segment Summary						
	<u>Pos.</u> <u>No.</u>	<u>Seg.</u> <u>ID</u>	<u>Name</u>	<u>Req.</u> <u>Des.</u>	<u>Max.</u> <u>Use</u>	<u>Group:</u> <u>Repeat</u>
M	0170	NAD	Name and Address	M	1	
	0180		Segment Group 5: Contact Information	C		2



Segment: **NAD** Name and Address
Position: 0170 (Trigger Segment)
Group: SG4
Level: 1
Usage: Mandatory
Max Use: 1
Purpose: A segment to identify a party's name, address and function relevant to the entire message. The functions to be qualified: - Carrier - either Carrier's agent or Freight forwarder Remark: the place of this segment group in the message is derived from the single consignment based (IFTMxx) messages (and not the IFCSUM message). e.g.: Message recipient, Message sender, Acknowledgement recipient, Notify party (in case of calamity).

Dependency Notes:

Data Element Summary					
Data Element	Component Element	Name	Base Attributes		User Attributes
3035		PARTY FUNCTION CODE QUALIFIER Code giving specific meaning to a party. <i>CG Carrier's agent</i> <i>Party authorized to act for or on behalf of carrier.</i>	M	1 an..3	M
C082		PARTY IDENTIFICATION DETAILS Identification of a transaction party by code.	C	1	R
	3039	Party identifier Code specifying the identity of a party. <i>MAIN OCEAN CARRIER AGENT ID M</i>	M	an..35	M
	1131	Code list qualifier Code identifying a user or association maintained code list.	C	an..17	X
	3055	Code list responsible agency, coded Code specifying the agency responsible for a code list.	C	an..3	X
C058		NAME AND ADDRESS Unstructured name and address: one to five lines.	C	1	O
	3124	Name and address description Free form description of a name and address line. <i>MAIN OCEAN CARRIER AGENT NAME & ADDRESS, etc. C</i>	M	an..35	M
	3124	Name and address description Free form description of a name and address line.	C	an..35	O
	3124	Name and address description Free form description of a name and address line.	C	an..35	O
	3124	Name and address description Free form description of a name and address line.	C	an..35	O
	3124	Name and address description Free form description of a name and address line.	C	an..35	O
C080		PARTY NAME Identification of a transaction party by name, one to five lines. Party name may be formatted.	C	1	O
	3036	Party name Name of a party.	M	an..35	M
	3036	Party name Name of a party.	C	an..35	O
	3036	Party name Name of a party.	C	an..35	O
	3036	Party name Name of a party.	C	an..35	O
	3036	Party name Name of a party.	C	an..35	O



	3045	Party name format code	C	an..3	X
		Code specifying the representation of a party name.			
C059		STREET	C	1	O
		Street address and/or PO Box number in a structured address: one to four lines.			
	3042	Street and number or post office box identifier	M	an..35	M
		To identify a street and number and/or Post Office box number.			
	3042	Street and number or post office box identifier	C	an..35	O
		To identify a street and number and/or Post Office box number.			
	3042	Street and number or post office box identifier	C	an..35	O
		To identify a street and number and/or Post Office box number.			
	3042	Street and number or post office box identifier	C	an..35	O
		To identify a street and number and/or Post Office box number.			
3164		CITY NAME	C	1 an..35	O
		Name of a city.			
C819		COUNTRY SUB-ENTITY DETAILS	C	1	O
		To specify a part of a country (eg county or part of a city).			
	3229	Country sub-entity name code	C	an..9	O
		Code specifying the name of a country sub-entity.			
	1131	Code list qualifier	C	an..17	X
		Code identifying a user or association maintained code list.			
	3055	Code list responsible agency, coded	C	an..3	X
		Code specifying the agency responsible for a code list.			
	3228	Country sub-entity name	C	an..70	X
		Name of a country sub-entity.			
3251		POSTAL IDENTIFICATION CODE	C	1 an..17	O
		Code specifying the postal zone or address.			
3207		COUNTRY, CODED	C	1 an..3	O
		Identification of the name of the country or other geographical entity as defined in ISO 3166-1.			



Group: **CTA** **Segment Group 5: Contact Information**
Position: 0180
Group: Segment Group 4 (Name and Address) Conditional (Required)
Level: 2
Usage: Conditional (Optional)
Max Use: 2
Purpose:

Segment Summary

	Pos.	Seg.		Req.	Max.	Group:
	<u>No.</u>	<u>ID</u>	<u>Name</u>	<u>Des.</u>	<u>Use</u>	<u>Repeat</u>
M	0190	CTA	Contact Information	M	1	
O	0200	COM	Communication Contact	C	3	



Segment: **CTA** **Contact Information**
Position: 0190 (Trigger Segment)
Group: SG4-SG5
Level: 2
Usage: Mandatory
Max Use: 1
Purpose: A segment to identify a person or department within a party.
Dependency Notes:

Data Element Summary

<u>Data Element</u>	<u>Component Element</u>	<u>Name</u>	<u>Base Attributes</u>	<u>User Attributes</u>
3139		CONTACT FUNCTION CODE Code specifying the function of a contact (e.g. department or person). <i>IC Information contact Department/person to contact for questions regarding transactions.</i>	C 1 an..3	R
C056		DEPARTMENT OR EMPLOYEE DETAILS Code and/or name of a department or employee. Code preferred.	C 1	R
	3413	Department or employee name code Code specifying the name of a department or employee.	C an..17	X
	3412	Department or employee name Name of a department or employee.	C an..35	R
		MAIN OCEAN CARRIER AGENT CONTACT NAME	O	



Segment: **COM** **Communication Contact**
Position: 0200
Group: SG4-SG5
Level: 3
Usage: Conditional (Optional)
Max Use: 3
Purpose: A segment to identify a communication number of a person or department to whom communication should be directed, e.g. e-mail number, telefax number, telephone number.

Dependency Notes:

Data Element Summary				
<u>Data Element</u>	<u>Component Element</u>	<u>Name</u>	<u>Base Attributes</u>	<u>User Attributes</u>
C076		COMMUNICATION CONTACT	M 3	M
		Communication number of a department or employee in a specified channel.		
	3148	Communication address identifier	M an..512	M
		To identify a communication address.		
		<i>MAIN OCEAN CARRIER AGENT CONTACT PHONE/FAX/EMAIL</i>		
		<i>O</i>		
		<i>No spaces or hyphens allowed.</i>		
	3155	Communication address code qualifier	M an..3	M
		Code qualifying the communication address.		
		<i>EM</i>	<i>Electronic mail</i>	
			<i>Exchange of mail by electronic means.</i>	
		<i>FX</i>	<i>Telefax</i>	
			<i>Device used for transmitting and reproducing fixed graphic material (as printing) by means of signals over telephone lines or other electronic transmission media.</i>	
		<i>TE</i>	<i>Telephone</i>	
			<i>Voice/data transmission by telephone.</i>	



Group: **NAD** Segment Group 4: Name and Address
Position: 0160
Group:
Level: 1
Usage: Conditional (Optional)
Max Use: 6
Purpose: A group of segments to identify a party relevant to the entire message, and its related contacts.

Segment Summary						
	<u>Pos.</u> <u>No.</u>	<u>Seg.</u> <u>ID</u>	<u>Name</u>	<u>Req.</u> <u>Des.</u>	<u>Max.</u> <u>Use</u>	<u>Group:</u> <u>Repeat</u>
M	0170	NAD	Name and Address	M	1	
	0180		Segment Group 5: Contact Information	C		2



Segment: **NAD** Name and Address
Position: 0170 (Trigger Segment)
Group: SG4
Level: 1
Usage: Mandatory
Max Use: 1
Purpose: A segment to identify a party's name, address and function relevant to the entire message. The functions to be qualified: - Carrier - either Carrier's agent or Freight forwarder Remark: the place of this segment group in the message is derived from the single consignment based (IFTMxx) messages (and not the IFCSUM message). e.g.: Message recipient, Message sender, Acknowledgement recipient, Notify party (in case of calamity).

Dependency Notes:

Data Element Summary				
Data Element	Component Element	Name	Base Attributes	User Attributes
3035		PARTY FUNCTION CODE QUALIFIER Code giving specific meaning to a party. <i>Remark for NAD segment on message level in exceptional situation: In the Port of Antwerp two parties may need to be additionally indicated:</i> DA Declaring agent BO Both (Party acting both as declaring agent and as declaring forwarder)	M 1 an..3	M
		AK Acknowledgement recipient Party to whom acknowledgement should be sent.		
		CA Carrier (3126) Party undertaking or arranging transport of goods between named points.		
		FW Freight forwarder Party arranging forwarding of goods.		
		N1 Notify party no. 1 The first party which is to be notified.		
C082		PARTY IDENTIFICATION DETAILS Identification of a transaction party by code.	C 1	O
	3039	Party identifier Code specifying the identity of a party. FORWARDER ID O MAIN OCEAN CARRIER ID O MESSAGE ACKNOWLEDGEMENT RECIPIENT ID O MESSAGE NOTIFY ID O	M an..35	M
	1131	Code list qualifier Code identifying a user or association maintained code list.	C an..17	X
	3055	Code list responsible agency, coded Code specifying the agency responsible for a code list.	C an..3	X
C058		NAME AND ADDRESS Unstructured name and address: one to five lines.	C 1	O
	3124	Name and address description Free form description of a name and address line. FORWARDER NAME & ADDRESS, etc. O MAIN OCEAN CARRIER NAME & ADDRESS, etc. O MESSAGE ACKNOWLEDGEMENT RECIPIENT NAME & ADDRESS, etc. O MESSAGE NOTIFY NAME & ADDRESS O	M an..35	M
	3124	Name and address description Free form description of a name and address line.	C an..35	O
	3124	Name and address description	C an..35	O



		Free form description of a name and address line.			
	3124	Name and address description	C	an..35	O
		Free form description of a name and address line.			
	3124	Name and address description	C	an..35	O
		Free form description of a name and address line.			
C080		PARTY NAME	C	1	O
		Identification of a transaction party by name, one to five lines. Party name may be formatted.			
	3036	Party name	M	an..35	M
		Name of a party.			
	3036	Party name	C	an..35	O
		Name of a party.			
	3036	Party name	C	an..35	O
		Name of a party.			
	3036	Party name	C	an..35	O
		Name of a party.			
	3036	Party name	C	an..35	O
		Name of a party.			
	3045	Party name format code	C	an..3	X
		Code specifying the representation of a party name.			
C059		STREET	C	1	O
		Street address and/or PO Box number in a structured address: one to four lines.			
	3042	Street and number or post office box identifier	M	an..35	M
		To identify a street and number and/or Post Office box number.			
	3042	Street and number or post office box identifier	C	an..35	O
		To identify a street and number and/or Post Office box number.			
	3042	Street and number or post office box identifier	C	an..35	O
		To identify a street and number and/or Post Office box number.			
	3042	Street and number or post office box identifier	C	an..35	O
		To identify a street and number and/or Post Office box number.			
3164		CITY NAME	C	1 an..35	O
		Name of a city.			
C819		COUNTRY SUB-ENTITY DETAILS	C	1	O
		To specify a part of a country (eg county or part of a city).			
	3229	Country sub-entity name code	C	an..9	O
		Code specifying the name of a country sub-entity.			
	1131	Code list qualifier	C	an..17	X
		Code identifying a user or association maintained code list.			
	3055	Code list responsible agency, coded	C	an..3	X
		Code specifying the agency responsible for a code list.			
	3228	Country sub-entity name	C	an..70	X
		Name of a country sub-entity.			
3251		POSTAL IDENTIFICATION CODE	C	1 an..17	O
		Code specifying the postal zone or address.			
3207		COUNTRY, CODED	C	1 an..3	O
		Identification of the name of the country or other geographical entity as defined in ISO 3166-1.			



Group: **CTA** **Segment Group 5: Contact Information**
Position: 0180
Group: Segment Group 4 (Name and Address) Conditional (Optional)
Level: 2
Usage: Conditional (Optional)
Max Use: 2
Purpose: A group of segments identifying a contact and its communications related to the party, e.g. to whom an acknowledgement is to be sent or who is to be contacted in case of a calamity.

Segment Summary

	Pos. No.	Seg. ID	Name	Req. Des.	Max. Use	Group: Repeat
M	0190	CTA	Contact Information	M	1	
O	0200	COM	Communication Contact	C	3	



Segment: **CTA** **Contact Information**
Position: 0190 (Trigger Segment)
Group: SG4-SG5
Level: 2
Usage: Mandatory
Max Use: 1
Purpose: A segment to identify a person or department within a party.
Dependency Notes:

Data Element Summary

<u>Data Element</u>	<u>Component Element</u>	<u>Name</u>	<u>Base Attributes</u>	<u>User Attributes</u>
3139		CONTACT FUNCTION CODE Code specifying the function of a contact (e.g. department or person). <i>IC Information contact Department/person to contact for questions regarding transactions.</i>	C 1 an..3	R
C056		DEPARTMENT OR EMPLOYEE DETAILS Code and/or name of a department or employee. Code preferred.	C 1	R
	3413	Department or employee name code Code specifying the name of a department or employee.	C an..17	X
	3412	Department or employee name Name of a department or employee.	C an..35	O
		FORWARDER CONTACT NAME O		
		MAIN OCEAN CARRIER CONTACT NAME O		
		MESSAGE ACKNOWLEDGEMENT RECIPIENT CONTACT NAME O		
		MESSAGE NOTIFY CONTACT NAME O		



Segment: **COM** **Communication Contact**
Position: 0200
Group: SG4-SG5
Level: 3
Usage: Conditional (Optional)
Max Use: 3
Purpose: A segment to identify a communication number of a person or department to whom communication should be directed, e.g. e-mail number, telefax number, telephone number.

Dependency Notes:

Data Element Summary				
<u>Data Element</u>	<u>Component Element</u>	<u>Name</u>	<u>Base Attributes</u>	<u>User Attributes</u>
C076		COMMUNICATION CONTACT	M 3	M
		Communication number of a department or employee in a specified channel.		
	3148	Communication address identifier	M an..512	M
		To identify a communication address.		
		FORWARDER CONTACT PHONE/FAX/EMAIL O		
		MAIN OCEAN CARRIER CONTACT PHONE/FAX/EMAIL O		
		MESSAGE ACKNOWLEDGEMENT RECIPIENT CONTACT PHONE/FAX/EMAIL O		
		MESSAGE NOTIFY CONTACT PHONE/FAX/EMAIL O		
		No spaces or hyphens allowed.		
	3155	Communication address code qualifier	M an..3	M
		Code qualifying the communication address.		
		EM Electronic mail		
		FX Exchange of mail by electronic means.		
		TELEFAX Telefax		
		TELETYPE Device used for transmitting and reproducing fixed graphic material (as printing) by means of signals over telephone lines or other electronic transmission media.		
		TE Telephone		
		TELEPHONE Voice/data transmission by telephone.		



Group: **EQD** **Segment Group 6: Equipment Details**
Position: 0210
Group:
Level: 1
Usage: Conditional (Optional)
Max Use: 999
Purpose: A group of segments to specify the equipment in which the dangerous cargo is transported.

Segment Summary

	Pos.	Seg.		Req.	Max.	Group:
	No.	ID	Name	Des.	Use	Repeat
M	0220	EQD	Equipment Details	M	1	
O	0230	MEA	Measurements	C	1	



Segment: **EQD** Equipment Details
Position: 0220 (Trigger Segment)
Group: SG6
Level: 1
Usage: Mandatory
Max Use: 1
Purpose: A segment to specify the equipment identification and the equipment size and type of the equipment used in the transport. The equipment to be qualified:
 - Barge, lighter - Container - Trailer

Dependency Notes:

Data Element Summary				
Data Element	Component Element	Name	Base Attributes	User Attributes
8053		EQUIPMENT TYPE CODE QUALIFIER Code qualifying a type of equipment.	M 1 an..3	M
		BR Barge Flat bottomed inland cargo vessel for canals and rivers with or without own propulsion for the purpose of transported goods. (Synonym: Lighter).		
		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.		
		TE Trailer A vehicle without motive power, designed for the carriage of cargo and to be towed by a motor vehicle.		
C237		EQUIPMENT IDENTIFICATION Marks (letters/numbers) identifying equipment.	C 1	O
	8260	Equipment identification number To identify equipment.	C an..17	R
		CONTAINER ID PREFIX & NO O		
	1131	Code list qualifier Identification of a code list.	C an..17	X
	3055	Code list responsible agency, coded Code identifying the agency responsible for a code list.	C an..3	X
	3207	Country, coded Identification of the name of the country or other geographical entity as defined in ISO 3166-1.	C an..3	X
C224		EQUIPMENT SIZE AND TYPE Code and or name identifying size and type of equipment. Code preferred.	C 1	O
	8155	Equipment size and type description code Code specifying the size and type of equipment.	C an..10	O
		CONTAINER TYPE/SIZE CODED O		
	1131	Code list qualifier Identification of a code list.	C an..17	X
	3055	Code list responsible agency, coded Code identifying the agency responsible for a code list.	C an..3	X
	8154	Equipment size and type description Free form description of the size and type of equipment.	C an..35	O
		CONTAINER TYPE/SIZE DESCR O		
8077		EQUIPMENT SUPPLIER CODE Code specifying the party that is the supplier of the equipment.	C 1 an..3	X
8249		EQUIPMENT STATUS CODE Code specifying the status of equipment.	C 1 an..3	X
8169		FULL OR EMPTY INDICATOR CODE	C 1 an..3	O



Code indicating whether an object is full or empty.

CONTAINER EMPTY INDICATOR 0

4

Empty

Indicates that the object is empty.



Segment: **MEA** Measurements
Position: 0230
Group: SG6
Level: 2
Usage: Conditional (Optional)
Max Use: 1
Purpose: A segment to specify measurements, other than dimensions, associated with the equipment. The measurement to be qualified: - Maximum payload (of the barge)

Dependency Notes:

Notes: Could be used for the net tonnage (payload) of a barge (in the combination of push barges).

Data Element Summary					
Data Element	Component Element	Name	Base Attributes	User Attributes	
6311		MEASUREMENT PURPOSE CODE QUALIFIER Code qualifying the purpose of the measurement. <i>AAE Measurement [6314] Value of the measured unit.</i>	M 1 an..3	M	
C502		MEASUREMENT DETAILS Identification of measurement type.	C 1	R	
	6313	Measured attribute code Code specifying the attribute measured. <i>AAN Net tonnage of the vessel [6302] The measure of the useful capacity of a ship determined in accordance with the provisions of the International Convention on Tonnage Measurement of Ships, 1969.</i>	C an..3	R	
	6321	Measurement significance code Code specifying the significance of a measurement.	C an..3	X	
	6155	Non-discrete measurement name code Code specifying the name of a non-discrete measurement.	C an..17	X	
	6154	Non-discrete measurement name Name of a non-discrete measurement.	C an..70	X	
C174		VALUE/RANGE Measurement value and relevant minimum and maximum values of the measurement range.	C 1	R	
	6411	Measurement unit code Code specifying the unit of measurement. <i>KGM Kilogram TNE (Metric) Tonne</i>	M an..8	M	
	6314	Measurement value To specify the value of a measurement. <i>*Note: Representation limited to numerical values (n..18 instead of an..18).</i>	C n..18	R	
	6162	Range minimum value To specify the minimum value of a range.	C n..18	X	
	6152	Range maximum value To specify the maximum value of a range.	C n..18	X	
	6432	Significant digits quantity Count of the number of significant digits.	C n..2	X	
7383		SURFACE OR LAYER CODE Code specifying the surface or layer of an object.	C 1 an..3	X	



Group: **CNI** **Segment Group 7: Consignment Information**
Position: 0240
Group:
Level: 1
Usage: Mandatory
Max Use: 999
Purpose: A group of segments to describe a consignment of dangerous goods carried or to be carried on the means of transport specified before.

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	0250	CNI	Consignment Information	M	1	
D	0260	HAN	Handling Instructions	C	1	
D	0270	DTM	Date/Time/Period	C	1	
O	0271	DTM	Date/Time/Period	C	2	
O	0280	LOC	Place/Location Identification	C	1	
O	0280	LOC	Place/Location Identification	C	2	
	0290		Segment Group 8: Transport Information	C		1
	0350		Segment Group 10: Name and Address	C		2
	0350		Segment Group 10: Name and Address	C		1
	0350		Segment Group 10: Name and Address	C		3
	0410		Segment Group 12: Goods Item Details	M		99



Segment: **CNI** Consignment Information
Position: 0250 (Trigger Segment)
Group: SG7
Level: 1
Usage: Mandatory
Max Use: 1
Purpose: A segment to identify the consignment and to indicate whether the consignment is to be loaded, discharged or in transit.

Dependency Notes:

Data Element Summary				
<u>Data Element</u>	<u>Component Element</u>	<u>Name</u>	<u>Base Attributes</u>	<u>User Attributes</u>
1490		CONSOLIDATION ITEM NUMBER To specify a consignment within a consolidation.	C 1 n..4	R
C503		<i>CONSIGNMENT ID SERIAL M</i>		
		DOCUMENT/MESSAGE DETAILS Identification of document/message by number, status, source and/or language.	C 1	O
	1004	Document identifier To identify a document.	C an..35	R
		<i>CONSIGNMENT ID REFERENCE O</i>		
	1373	Document status code Code specifying the status of a document.	C an..3	X
	1366	Document source description Free form description of the source of a document.	C an..70	X
	3453	Language, coded Code of language (ISO 639-1988).	C an..3	X
	1056	Version identifier To identify a version.	C an..9	X
	1060	Revision identifier To identify a revision.	C an..6	X
1312		CONSIGNMENT LOAD SEQUENCE IDENTIFIER To identify the loading sequence of a consignment or consignments.	C 1 n..4	X



Segment: **HAN** Handling Instructions
Position: 0260
Group: SG7
Level: 2
Usage: Conditional (Dependent)
Max Use: 1
Purpose: A segment to report a handling operation to be taken on the hazardous cargo of the consignment. Some ports allow to report one handling operation of hazardous cargo per consignment in the IFTDGN message.

Dependency Notes:

- Business Rules:**
1. If HandlingAction DOESN'T EXIST, then set Usage to 'Must Use'
 2. If HandlingAction EXISTS, then set Usage to 'Not Used'

Data Element Summary

Data Element	Component Element	Name	Base Attributes	User Attributes
C524		HANDLING INSTRUCTIONS Instruction for the handling of goods, products or articles in shipment, storage etc.	C 1	O
	4079	Handling instruction description code Code specifying a handling instruction. Business Rules: Variable Name:HandlingActionConsig <i>GOODS HANDLING INFO CODED C</i> CTC <i>Cargo Tank Cleaning</i> LDI <i>Discharge action</i> LLO <i>Load action</i> RES <i>Re-stow</i> T <i>In Transit action</i> TSP <i>Transportation in the same port</i>	C an..3	R
	1131	Code list qualifier Identification of a code list.	C an..17	X
	3055	Code list responsible agency, coded Code identifying the agency responsible for a code list.	C an..3	X
	4078	Handling instruction description Free form description of a handling instruction.	C an..70	X
C218		HAZARDOUS MATERIAL To specify a hazardous material.	C 1	X
	7419	Hazardous material category name code Code specifying a kind of hazard for a material.	C an..7	X
	1131	Code list qualifier Identification of a code list.	C an..17	X
	3055	Code list responsible agency, coded Code identifying the agency responsible for a code list.	C an..3	X
	7418	Hazardous material category name Name of a kind of hazard for a material.	C an..35	X



Segment: **DTM** Date/Time/Period
Position: 0270
Group: SG7
Level: 2
Usage: Conditional (Dependent)
Max Use: 1
Purpose: A segment to indicate time and date of the load or discharge operation. The date/time to be qualified: - Date/time of operation - Estimated date/time of arrival - Estimated date/time of departure

Dependency Notes:**Business Rules:**

1. If HandlingAction EQ 'RES' or HandlingActionConsig EQ 'RES', then set Usage to 'Not Used'
2. If HandlingAction EQ 'T' or HandlingActionConsig EQ 'T', then set Usage to 'Not Used'
3. If HandlingAction EQ 'CTC' or HandlingActionConsig EQ 'CTC', then set Usage to 'Must Use'
4. If HandlingAction EQ 'LDI' or HandlingActionConsig EQ 'LDI', then set Usage to 'Must Use'
5. If HandlingAction EQ 'LLO' or HandlingActionConsig EQ 'LLO', then set Usage to 'Must Use'
6. If HandlingAction EQ 'TSP' or HandlingActionConsig EQ 'TSP', then set Usage to 'Must Use'

Data Element Summary

<u>Data Element</u>	<u>Component Element</u>	<u>Name</u>	<u>Base Attributes</u>	<u>User Attributes</u>
C507		DATE/TIME/PERIOD	M 1	M
		Date and/or time, or period relevant to the specified date/time/period type.		
	2005	Date or time or period function code qualifier	M an..3	M
		Code qualifying the function of a date, time or period.		
		369 <i>Date and or time of handling, estimated</i>		
		<i>The date and or time when the handling action is estimated to take place.</i>		
	2380	Date or time or period text	C an..35	R
		The value of a date, a date and time, a time or of a period in a specified representation.		
		GOODS HANDLING D/T EXPECTED C		
	2379	Date or time or period format code	C an..3	R
		Code specifying the representation of a date, time or period.		
		203 <i>CCYYMMDDHHMM</i>		
		<i>Calendar date including time with minutes: C=Century; Y=Year; M=Month; D=Day; H=Hour; M=Minutes.</i>		
		719 <i>CCYYMMDDHHMM-CCYYMMDDHHMM</i>		
		<i>A period of time which includes the century, year, month, day, hour and minute. Format of period to be given in actual message without hyphen.</i>		



Segment: **DTM** Date/Time/Period
Position: 0271
Group: SG7
Level: 2
Usage: Conditional (Optional)
Max Use: 2
Purpose: A segment to indicate time and date of the load or discharge operation. The date/time to be qualified: - Date/time of operation - Estimated date/time of arrival - Estimated date/time of departure

Dependency Notes:

Data Element Summary				
Data Element	Component Element	Name	Base Attributes	User Attributes
C507		DATE/TIME/PERIOD Date and/or time, or period relevant to the specified date/time/period type.	M 1	M
	2005	Date or time or period function code qualifier Code qualifying the function of a date, time or period. 132 <i>Arrival date/time, estimated</i> <i>[2348] Date/time when carrier estimates that a means of transport should arrive at the port of discharge or place of destination.</i> 133 <i>Departure date/time, estimated</i> <i>Date/time when carrier estimates that a means of transport should depart at the place of departure.</i>	M an..3	M
	2380	Date or time or period text The value of a date, a date and time, a time or of a period in a specified representation. ON-CARR VESSEL D/T ETD POC O PRE-CARR VESSEL D/T ETA POC O	C an..35	R
	2379	Date or time or period format code Code specifying the representation of a date, time or period. 203 <i>CCYYMMDDHHMM</i> <i>Calendar date including time with minutes: C=Century; Y=Year; M=Month; D=Day; H=Hour; M=Minutes.</i>	C an..3	R



Segment: **LOC** Place/Location Identification
Position: 0280
Group: SG7
Level: 2
Usage: Conditional (Optional)
Max Use: 1
Purpose: A segment to indicate locations related to the arrival of a consignment. The location to be qualified: - place/port of loading - place/port of discharge - berth (as the place where the discharge/load/in transit action is to take place) - warehouse (as the place where the consignment will be stored)

Dependency Notes:

Data Element Summary					
Data Element	Component Element	Name	Base Attributes		User Attributes
3227		LOCATION FUNCTION CODE QUALIFIER Code identifying the function of a location. 200 Place of handling Place where a handling operation is to be, or has been, performed.	M	1 an..3	M
C517		LOCATION IDENTIFICATION Identification of a location by code or name.	C	1	R
	3225	Location name code Code specifying the name of the location. MAIN VESSEL POC O PLACE TERMINAL CODED O PLACE WAREHOUSE CODED O <i>Note: Use UN/ECE Recommendation No. 16: UNLOCODE.</i>	C	an..35	R
	1131	Code list qualifier Identification of a code list.	C	an..17	X
	3055	Code list responsible agency, coded Code identifying the agency responsible for a code list.	C	an..3	X
	3224	Location name Name of the location.	C	an..256	O
C519		RELATED LOCATION ONE IDENTIFICATION Identification the first related location by code or name.	C	1	O
	3223	First related location name code Code specifying first related location. MAIN VESSEL POC BERTH CODED O PLACE TERMINAL CODED O PLACE WAREHOUSE CODED O <i>Note: Use locally agreed code list for berth, terminal or warehouse.</i>	C	an..25	O
	1131	Code list qualifier Identification of a code list. 266 Marine berth The location within a port where a ship anchors or ties up. 269 Warehouse A covered facility for the storage and distribution of goods. TER Terminal Code identifying a terminal in a port area where goods are stored. *Code added.	C	an..17	R
	3055	Code list responsible agency, coded Code identifying the agency responsible for a code list. ZZZ Mutually defined	C	an..3	R



A code assigned within a code list to be used on an interim basis and as defined among trading partners until a precise code can be assigned to the code list.

C553	3222	First related location name	C	an..70	O
		Name of first related location.			
		MAIN VESSEL POC BERTH NAME	O		
		RELATED LOCATION TWO IDENTIFICATION	C	1	O
		Identification of second related location by code or name.			
	3233	Second related location name code	C	an..25	O
		Code specifying the second related location.			
		MAIN VESSEL POC BERTH JETTY NR	O		
		<i>Note: Use locally agreed code list.</i>			
	1131	Code list qualifier	C	an..17	X
		Identification of a code list.			
	3055	Code list responsible agency, coded	C	an..3	X
		Code identifying the agency responsible for a code list.			
	3232	Second related location name	C	an..70	X
		Name of the second related location.			
5479		RELATION CODE	C	1 an..3	X
		Code specifying a relation.			



Segment: **LOC** Place/Location Identification
Position: 0280
Group: SG7
Level: 2
Usage: Conditional (Optional)
Max Use: 2
Purpose: A segment to indicate locations related to the arrival of a consignment. The location to be qualified: - place/port of loading - place/port of discharge - berth (as the place where the discharge/load/in transit action is to take place) - warehouse (as the place where the consignment will be stored)

Dependency Notes:

Data Element Summary					
Data Element	Component Element	Name	Base Attributes	User Attributes	
3227		LOCATION FUNCTION CODE QUALIFIER Code identifying the function of a location.	M 1 an..3	M	
	9	<i>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.</i>			
	11	<i>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.</i>			
C517		LOCATION IDENTIFICATION Identification of a location by code or name.	C 1	R	
	3225	Location name code Code specifying the name of the location.	C an..35	O	
		PLACE/DISCHARGE CODED MAIN VESSEL O PLACE/LOADING CODED MAIN VESSEL O			
		<i>Note: Use UN/ECE Recommendation No. 16: UNLOCODE.</i>			
	1131	Code list qualifier Code identifying a user or association maintained code list.	C an..17	X	
	3055	Code list responsible agency, coded Code specifying the agency responsible for a code list.	C an..3	X	
	3224	Location name Name of the location.	C an..256	O	
		PLACE/DISCHARGE NAME MAIN VESSEL O PLACE/LOADING NAME MAIN VESSEL O			
C519		RELATED LOCATION ONE IDENTIFICATION Identification the first related location by code or name.	C 1	X	
	3223	First related location name code Code specifying first related location.	C an..25	X	
	1131	Code list qualifier Code identifying a user or association maintained code list.	C an..17	X	
	3055	Code list responsible agency, coded Code specifying the agency responsible for a code list.	C an..3	X	
	3222	First related location name Name of first related location.	C an..70	X	
C553		RELATED LOCATION TWO IDENTIFICATION Identification of second related location by code or name.	C 1	X	
	3233	Second related location name code Code specifying the second related location.	C an..25	X	
	1131	Code list qualifier Code identifying a user or association maintained code list.	C an..17	X	



	3055	Code list responsible agency, coded	C	an..3	X
		Code specifying the agency responsible for a code list.			
	3232	Second related location name	C	an..70	X
		Name of the second related location.			
5479		RELATION CODE	C	1 an..3	X
		Code specifying a relation.			



Group: **TDT** **Segment Group 8: Transport Information**
Position: 0290
Group: Segment Group 7 (Consignment Information) Mandatory
Level: 2
Usage: Conditional (Optional)
Max Use: 1
Purpose: A group of segments to specify transport details of the consignment.

Segment Summary

	Pos.	Seg.		Req.	Max.	Group:
	<u>No.</u>	<u>ID</u>	<u>Name</u>	<u>Des.</u>	<u>Use</u>	<u>Repeat</u>
M	0300	TDT	Transport Information	M	1	
O	0310	RFF	Reference	C	9	



Segment: **TDT** Transport Information
Position: 0300 (Trigger Segment)
Group: SG7-SG8
Level: 2
Usage: Mandatory
Max Use: 1
Purpose: A segment to indicate the transport information related to the arrival (pre-carriage) or the departure (on- carriage) of the consignment. The transport details to be specified: - Pre-carriage - On-carriage

Dependency Notes:

Data Element Summary				
Data Element	Component Element	Name	Base Attributes	User Attributes
8051		TRANSPORT STAGE CODE QUALIFIER Code qualifying a specific stage of transport.	M 1 an..3	M
		10 <i>Pre-carriage transport</i> <i>Transport by which the goods are moved prior to their main carriage transport.</i>		
		30 <i>On-carriage transport</i> <i>Transport by which the goods are moved after the main carriage transport.</i>		
8028		MEANS OF TRANSPORT JOURNEY IDENTIFIER To identify a journey of a means of transport.	C 1 an..17	O
		ON-CARR OCEAN VOYAGE REF O		
		PRE-CARR OCEAN VOYAGE REF O		
		ON-CARR BARGE VOYAGE REF O		
		PRE-CARR BARGE VOYAGE REF O		
		ON-CARR TRAIN/TRACK ID O		
		PRE-CARR TRAIN/TRACK ID O		
C220		MODE OF TRANSPORT Method of transport code or name. Code preferred.	C 1	R
	8067	Transport mode name code Code specifying the name of a mode of transport.	C an..3	R
		ON-CARR MODE/TRANSPORT CODED O		
		PRE-CARR MODE/TRANSPORT CODED O		
		1 <i>Maritime transport</i>		
		2 <i>Rail transport</i>		
		3 <i>Road transport</i>		
		7 <i>Fixed transport installations</i>		
		8 <i>Inland water transport</i>		
	8066	Transport mode name Name of a mode of transport.	C an..17	X
C001		TRANSPORT MEANS Code and/or name identifying the type of means of transport.	C 1	X
	8179	Transport means description code Code specifying the means of transport.	C an..8	X
	1131	Code list qualifier Identification of a code list.	C an..17	X
	3055	Code list responsible agency, coded Code identifying the agency responsible for a code list.	C an..3	X
	8178	Transport means description Free form description of the means of transport.	C an..17	X
C040		CARRIER Identification of a carrier by code and/or by name. Code preferred.	C 1	X
	3127	Carrier identifier To identify a carrier.	C an..17	X



	1131	Code list qualifier	C	an..17	X
		Identification of a code list.			
	3055	Code list responsible agency, coded	C	an..3	X
		Code identifying the agency responsible for a code list.			
	3128	Carrier name	C	an..35	X
		Name of a carrier.			
8101		TRANSIT DIRECTION INDICATOR CODE	C	1 an..3	X
		Code specifying the direction of transport.			
C401		EXCESS TRANSPORTATION INFORMATION	C	1	X
		To provide details of reason for, and responsibility for, use of transportation other than normally utilized.			
	8457	Excess transportation reason code	M	an..3	X
		Code specifying the reason for excess transportation.			
	8459	Excess transportation responsibility code	M	an..3	X
		Code specifying the responsibility for excess transportation.			
	7130	Customer shipment authorisation identifier	C	an..17	X
		To identify the authorisation to ship issued by the customer.			
C222		TRANSPORT IDENTIFICATION	C	1	O
		Code and/or name identifying the means of transport.			
	8213	Transport means identification name identifier	C	an..9	O
		Identifies the name of the transport means.			
		ON-CARR VESSEL ID LRN O			
		PRE-CARR VESSEL ID LRN O			
		ON-CARR BARGE ID O			
		PRE-CARR BARGE ID O			
		ON-CARR TRUCK ID O			
		PRE-CARR TRUCK ID O			
	1131	Code list qualifier	C	an..17	X
		Identification of a code list.			
	3055	Code list responsible agency, coded	C	an..3	X
		Code identifying the agency responsible for a code list.			
	8212	Transport means identification name	C	an..70	O
		Name identifying a means of transport.			
		*Note: Representation extended to 70 characters (an..70 instead of an..35).			
		ON-CARR VESSEL NAME O			
		PRE-CARR VESSEL NAME O			
		ON-CARR BARGE NAME O			
		PRE-CARR BARGE NAME O			
		*Note: Format increased from 35 to 70 characters.			
	8453	Transport means nationality code	C	an..3	O
		Code specifying the nationality of a means of transport.			
		ON-CARR VESSEL NATIONALITY CODED O			
		PRE-CARR VESSEL NATIONALITY CODED O			
8281		TRANSPORT MEANS OWNERSHIP INDICATOR CODE	C	1 an..3	X
		Code indicating the ownership of a means of transport.			



Segment: **RFF** Reference
Position: 0310
Group: SG7-SG8
Level: 3
Usage: Conditional (Optional)
Max Use: 9
Purpose: A segment to indicate the transport licence number(s) of the pre- or on-carriage transport.

Dependency Notes:

Data Element Summary				
Data Element	Component Element	Name	Base Attributes	User Attributes
C506		REFERENCE Identification of a reference.	M 1	M
	1153	Reference code qualifier Code qualifying a reference.	M an..3	M
		ALH <i>Dangerous goods transport licence number</i>		
				<i>Licence number allocated by an authority as to the permission of carrying dangerous goods by a specific means of transport.</i>
		ATZ <i>Ship's stay reference number</i>		
				<i>Reference number assigned by a port authority to the stay of a vessel in the port.</i>
		VM <i>Vessel identification</i>		
		<i>(8123) Reference identifying a vessel.</i>		
	1154	Reference identifier Identifies a reference.	C an..70	R
		ON-CARR VESSEL ID RCS O		
		PRE-CARR VESSEL ID RCS O		
		ON-CARR OCEAN SHIP'S STAY REFERENCE O		
		PRE-CARR OCEAN SHIP'S STAY REFERENCE O		
		MAIN VESSEL TRANSPORT LICENSE NUMBER O		
	1156	Document line identifier To identify a line of a document.	C an..6	X
	4000	Reference version identifier To identify the version of a reference.	C an..35	X
	1060	Revision identifier To identify a revision.	C an..6	X



Group: **NAD** **Segment Group 10: Name and Address**
Position: 0350
Group: Segment Group 7 (Consignment Information) **Mandatory**
Level: 2
Usage: Conditional (Optional)
Max Use: 2
Purpose: A group of segments to identify a party related to the consignment.

Segment Summary						
	Pos.	Seg.		Req.	Max.	Group:
	No.	ID	Name	Des.	Use	Repeat
M	0360	NAD	Name and Address	M	1	
	0370		Segment Group 11: Contact Information	C		1
O	0400	RFF	Reference	C	1	



Segment: **NAD** Name and Address
Position: 0360 (Trigger Segment)
Group: SG7-SG10
Level: 2
Usage: Mandatory
Max Use: 1
Purpose: A segment to identify a party's name and address relevant to the consignment. The function to be qualified: - Consignor - either Carrier's agent or Freight forwarder.

Dependency Notes:

Data Element Summary					
Data Element	Component Element	Name	Base Attributes	User Attributes	
3035		PARTY FUNCTION CODE QUALIFIER	M 1 an..3	M	
		Code giving specific meaning to a party.			
		CG Carrier's agent			
		FW Party authorized to act for or on behalf of carrier. Freight forwarder Party arranging forwarding of goods.			
C082	3039	PARTY IDENTIFICATION DETAILS	C 1	O	
		Identification of a transaction party by code.			
		Party identifier	M an..35	M	
		Code specifying the identity of a party.			
C058	1131	FORWARDER ID O			
		MAIN OCEAN CARRIER AGENT ID O			
	3055	Code list qualifier	C an..17	X	
		Identification of a code list.			
	3124	Code list responsible agency, coded	C an..3	X	
		Code identifying the agency responsible for a code list.			
	3124	NAME AND ADDRESS	C 1	O	
		Unstructured name and address: one to five lines.			
	3124	Name and address description	M an..35	M	
		Free form description of a name and address line.			
C080	3124	FORWARDER NAME & ADDRESS O			
		MAIN OCEAN CARRIER AGENT NAME & ADDRESS O			
	3124	Name and address description	C an..35	O	
		Free form description of a name and address line.			
	3124	Name and address description	C an..35	O	
		Free form description of a name and address line.			
	3124	Name and address description	C an..35	O	
		Free form description of a name and address line.			
	3124	Name and address description	C an..35	O	
		Free form description of a name and address line.			
C080	3036	PARTY NAME	C 1	X	
		Identification of a transaction party by name, one to five lines. Party name may be formatted.			
		Party name	M an..35	X	
		Name of a party.			
		Party name	C an..35	X	
		Name of a party.			
C080	3036	Party name	C an..35	X	
		Name of a party.			
		Party name	C an..35	X	
		Name of a party.			
C080	3036	Party name	C an..35	X	
		Name of a party.			



	3045	Party name format code	C	an..3	X
		Code specifying the representation of a party name.			
C059		STREET	C	1	X
		Street address and/or PO Box number in a structured address: one to four lines.			
	3042	Street and number or post office box identifier	M	an..35	X
		To identify a street and number and/or Post Office box number.			
	3042	Street and number or post office box identifier	C	an..35	X
		To identify a street and number and/or Post Office box number.			
	3042	Street and number or post office box identifier	C	an..35	X
		To identify a street and number and/or Post Office box number.			
	3042	Street and number or post office box identifier	C	an..35	X
		To identify a street and number and/or Post Office box number.			
3164		CITY NAME	C	1 an..35	X
		Name of a city.			
C819		COUNTRY SUB-ENTITY DETAILS	C	1	X
		To specify a part of a country (eg county or part of a city).			
	3229	Country sub-entity name code	C	an..9	X
		Code specifying the name of a country sub-entity.			
	1131	Code list qualifier	C	an..17	X
		Identification of a code list.			
	3055	Code list responsible agency, coded	C	an..3	X
		Code identifying the agency responsible for a code list.			
	3228	Country sub-entity name	C	an..70	X
		Name of a country sub-entity.			
3251		POSTAL IDENTIFICATION CODE	C	1 an..17	X
		Code specifying the postal zone or address.			
3207		COUNTRY, CODED	C	1 an..3	X
		Identification of the name of the country or other geographical entity as defined in ISO 3166-1.			



Group: **CTA** **Segment Group 11: Contact Information**
Position: 0370
Group: Segment Group 10 (Name and Address) Conditional (Optional)
Level: 3
Usage: Conditional (Optional)
Max Use: 1
Purpose: A group of segments to identify a contact and its communications related to the party.

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	0380	CTA	Contact Information	M	1	
O	0390	COM	Communication Contact	C	2	



Segment: **CTA** **Contact Information**
Position: 0380 (Trigger Segment)
Group: SG7-SG10-SG11
Level: 3
Usage: Mandatory
Max Use: 1
Purpose: A segment to identify a person or a department within the party.
Dependency Notes:

Data Element Summary

<u>Data Element</u>	<u>Component Element</u>	<u>Name</u>	<u>Base Attributes</u>	<u>User Attributes</u>
3139		CONTACT FUNCTION CODE Code specifying the function of a contact (e.g. department or person). <i>IC Information contact Department/person to contact for questions regarding transactions.</i>	C 1 an..3	R
C056		DEPARTMENT OR EMPLOYEE DETAILS Code and/or name of a department or employee. Code preferred.	C 1	R
	3413	Department or employee name code Code specifying the name of a department or employee.	C an..17	X
	3412	Department or employee name Name of a department or employee.	C an..35	R
		FORWARDER CONTACT NAME O		
		MAIN OCEAN CARRIER AGENT CONTACT NAME O		



Segment: **COM** **Communication Contact**
Position: 0390
Group: SG7-SG10-SG11
Level: 4
Usage: Conditional (Optional)
Max Use: 2
Purpose: A segment to identify a communication number of the contact to whom communication should be directed.

Dependency Notes:

Data Element Summary				
<u>Data Element</u>	<u>Component Element</u>	<u>Name</u>	<u>Base Attributes</u>	<u>User Attributes</u>
C076		COMMUNICATION CONTACT	M 3	M
		Communication number of a department or employee in a specified channel.		
	3148	Communication address identifier	M an..512	M
		To identify a communication address.		
		FORWARDER CONTACT PHONE O MAIN OCEAN CARRIER AGENT CONTACT PHONE O		
	3155	Communication address code qualifier	M an..3	M
		Code qualifying the communication address.		
		FX <i>Telefax</i>		
				<i>Device used for transmitting and reproducing fixed graphic material (as printing) by means of signals over telephone lines or other electronic transmission media.</i>
		TE <i>Telephone</i>		
				<i>Voice/data transmission by telephone.</i>



Segment: **RFF** Reference
Position: 0400
Group: SG7-SG10
Level: 3
Usage: Conditional (Optional)
Max Use: 1
Purpose: A segment to express a reference for the consignment related to the party.
 The reference to be qualified: - Carrier's agent reference number - Freight forwarders reference number

Dependency Notes:

Data Element Summary				
Data Element	Component Element	Name	Base Attributes	User Attributes
C506		REFERENCE Identification of a reference.	M 1	M
	1153	Reference code qualifier Code qualifying a reference. <i>AAY Carrier's agent reference number Reference number assigned by the carriers agent to a transaction.</i> <i>FF Freight forwarder's reference number [1460] Reference number assigned to the consignment by the freight forwarder.</i>	M an..3	M
	1154	Reference identifier Identifies a reference. <i>CONSIGNMENT REFERENCE FORWARDER O</i> <i>CONSIGNMENT REFERENCE OCEAN CARRIER AGENT O</i>	C an..70	R
	1156	Document line identifier To identify a line of a document.	C an..6	X
	4000	Reference version identifier To identify the version of a reference.	C an..35	X
	1060	Revision identifier To identify a revision.	C an..6	X



Group: **NAD** **Segment Group 10: Name and Address**
Position: 0350
Group: Segment Group 7 (Consignment Information) Mandatory
Level: 2
Usage: Conditional (Optional)
Max Use: 1
Purpose: A group of segments to identify a party related to the consignment.

Segment Summary						
	Pos.	Seg.		Req.	Max.	Group:
	<u>No.</u>	<u>ID</u>	<u>Name</u>	<u>Des.</u>	<u>Use</u>	<u>Repeat</u>
M	0360	NAD	Name and Address	M	1	
	0370		Segment Group 11: Contact Information	C		2



Segment: **NAD** Name and Address
Position: 0360 (Trigger Segment)
Group: SG7-SG10
Level: 2
Usage: Mandatory
Max Use: 1
Purpose: A segment to identify a party's name and address relevant to the consignment. The function to be qualified: - Consignor - either Carrier's agent or Freight forwarder.

Dependency Notes:

Data Element Summary				
Data Element	Component Element	Name	Base Attributes	User Attributes
3035		PARTY FUNCTION CODE QUALIFIER Code giving specific meaning to a party. <i>FU Hazardous material office</i> <i>The office responsible for providing information regarding hazardous material.</i>	M 1 an..3	M
C082		PARTY IDENTIFICATION DETAILS Identification of a transaction party by code.	C 1	O
	3039	Party identifier Code specifying the identity of a party. <i>EMERGENCY RESPONSE ID O</i>	M an..35	M
	1131	Code list qualifier Code identifying a user or association maintained code list.	C an..17	X
	3055	Code list responsible agency, coded Code specifying the agency responsible for a code list.	C an..3	X
C058		NAME AND ADDRESS Unstructured name and address: one to five lines.	C 1	O
	3124	Name and address description Free form description of a name and address line. <i>EMERGENCY RESPONSE NAME & ADDRESS O</i>	M an..35	M
	3124	Name and address description Free form description of a name and address line.	C an..35	O
	3124	Name and address description Free form description of a name and address line.	C an..35	O
	3124	Name and address description Free form description of a name and address line.	C an..35	O
	3124	Name and address description Free form description of a name and address line.	C an..35	O
C080		PARTY NAME Identification of a transaction party by name, one to five lines. Party name may be formatted.	C 1	O
	3036	Party name Name of a party.	M an..35	M
	3036	Party name Name of a party.	C an..35	O
	3036	Party name Name of a party.	C an..35	O
	3036	Party name Name of a party.	C an..35	O
	3036	Party name Name of a party.	C an..35	O
	3045	Party name format code Code specifying the representation of a party name.	C an..3	X
C059		STREET Street address and/or PO Box number in a structured address: one to four lines.	C 1	O



	3042	Street and number or post office box identifier	M	an..35	M
		To identify a street and number and/or Post Office box number.			
	3042	Street and number or post office box identifier	C	an..35	O
		To identify a street and number and/or Post Office box number.			
	3042	Street and number or post office box identifier	C	an..35	O
		To identify a street and number and/or Post Office box number.			
	3042	Street and number or post office box identifier	C	an..35	O
		To identify a street and number and/or Post Office box number.			
3164		CITY NAME	C	1 an..35	O
		Name of a city.			
C819		COUNTRY SUB-ENTITY DETAILS	C	1	O
		To specify a part of a country (eg county or part of a city).			
	3229	Country sub-entity name code	C	an..9	O
		Code specifying the name of a country sub-entity.			
	1131	Code list qualifier	C	an..17	X
		Code identifying a user or association maintained code list.			
	3055	Code list responsible agency, coded	C	an..3	X
		Code specifying the agency responsible for a code list.			
	3228	Country sub-entity name	C	an..70	X
		Name of a country sub-entity.			
3251		POSTAL IDENTIFICATION CODE	C	1 an..17	O
		Code specifying the postal zone or address.			
3207		COUNTRY, CODED	C	1 an..3	O
		Identification of the name of the country or other geographical entity as defined in ISO 3166-1.			



Group: **CTA** **Segment Group 11: Contact Information**
Position: 0370
Group: Segment Group 10 (Name and Address) Conditional (Optional)
Level: 3
Usage: Conditional (Optional)
Max Use: 2
Purpose: A group of segments to identify a contact and its communications related to the party.

Segment Summary

	Pos.	Seg.		Req.	Max.	Group:
	No.	ID	Name	Des.	Use	Repeat
M	0380	CTA	Contact Information	M	1	
O	0390	COM	Communication Contact	C	3	



Segment: **CTA** **Contact Information**
Position: 0380 (Trigger Segment)
Group: SG7-SG10-SG11
Level: 3
Usage: Mandatory
Max Use: 1
Purpose: A segment to identify a person or a department within the party.
Dependency Notes:

Data Element Summary

<u>Data Element</u>	<u>Component Element</u>	<u>Name</u>	<u>Base Attributes</u>	<u>User Attributes</u>
3139		CONTACT FUNCTION CODE Code specifying the function of a contact (e.g. department or person). <i>HE Emergency dangerous goods contact</i> <i>Party who is to be contacted to intervene in case of emergency.</i>	C 1 an..3	R
C056		DEPARTMENT OR EMPLOYEE DETAILS Code and/or name of a department or employee. Code preferred.	C 1	R
	3413	Department or employee name code Code specifying the name of a department or employee.	C an..17	X
	3412	Department or employee name Name of a department or employee.	C an..35	R
		EMERGENCY RESPONSE CONTACT NAME	O	



Segment: **COM** **Communication Contact**
Position: 0390
Group: SG7-SG10-SG11
Level: 4
Usage: Conditional (Optional)
Max Use: 3
Purpose: A segment to identify a communication number of the contact to whom communication should be directed.

Dependency Notes:

Data Element Summary				
Data Element	Component Element	Name	Base Attributes	User Attributes
C076		COMMUNICATION CONTACT	M 3	M
		Communication number of a department or employee in a specified channel.		
	3148	Communication address identifier	M an..512	M
		To identify a communication address.		
		<i>EMERGENCY RESPONSE CONTACT PHONE/FAX/E-MAIL</i>		O
		<i>No spaces or hyphens allowed.</i>		
	3155	Communication address code qualifier	M an..3	M
		Code qualifying the communication address.		
		<i>EM Electronic mail</i>		
		<i>Exchange of mail by electronic means.</i>		
		<i>FX Telefax</i>		
		<i>Device used for transmitting and reproducing fixed graphic material (as printing) by means of signals over telephone lines or other electronic transmission media.</i>		
		<i>TE Telephone</i>		
		<i>Voice/data transmission by telephone.</i>		



Group: **NAD** **Segment Group 10: Name and Address**
Position: 0350
Group: Segment Group 7 (Consignment Information) Mandatory
Level: 2
Usage: Conditional (Optional)
Max Use: 3
Purpose: A group of segments to identify a party related to the consignment.

Segment Summary						
	Pos.	Seg.		Req.	Max.	Group:
	<u>No.</u>	<u>ID</u>	<u>Name</u>	<u>Des.</u>	<u>Use</u>	<u>Repeat</u>
M	0360	NAD	Name and Address	M	1	



Segment: **NAD** Name and Address
Position: 0360 (Trigger Segment)
Group: SG7-SG10
Level: 2
Usage: Mandatory
Max Use: 1
Purpose: A segment to identify a party's name and address relevant to the consignment. The function to be qualified: - Consignor - either Carrier's agent or Freight forwarder.

Dependency Notes:

Data Element Summary				
Data Element	Component Element	Name	Base Attributes	User Attributes
3035		PARTY FUNCTION CODE QUALIFIER Code giving specific meaning to a party. <i>CN</i> <i>Consignee</i> <i>(3132) Party to which goods are consigned.</i> <i>CZ</i> <i>Consignor</i> <i>(3336) Party which, by contract with a carrier, consigns or sends goods with the carrier, or has them conveyed by him.</i> <i>Synonym: shipper, sender.</i> <i>TR</i> <i>Terminal operator</i> <i>A party which handles the loading and unloading of marine vessels.</i>	M 1 an..3	M
C082		PARTY IDENTIFICATION DETAILS Identification of a transaction party by code.	C 1	X
	3039	Party identifier Code specifying the identity of a party.	M an..35	X
	1131	Code list qualifier Identification of a code list.	C an..17	X
	3055	Code list responsible agency, coded Code identifying the agency responsible for a code list.	C an..3	X
C058		NAME AND ADDRESS Unstructured name and address: one to five lines.	C 1	R
	3124	Name and address description Free form description of a name and address line. <i>CONSIGNEE NAME & ADDRESS O</i> <i>CONSIGNOR NAME & ADDRESS O</i> <i>TERMINAL OPERATOR NAME & ADDRESS O</i>	M an..35	M
	3124	Name and address description Free form description of a name and address line.	C an..35	O
	3124	Name and address description Free form description of a name and address line.	C an..35	O
	3124	Name and address description Free form description of a name and address line.	C an..35	O
	3124	Name and address description Free form description of a name and address line.	C an..35	O
C080		PARTY NAME Identification of a transaction party by name, one to five lines. Party name may be formatted.	C 1	X
	3036	Party name Name of a party.	M an..35	X
	3036	Party name Name of a party.	C an..35	X
	3036	Party name Name of a party.	C an..35	X



	3036	Party name	C	an..35	X
		Name of a party.			
	3036	Party name	C	an..35	X
		Name of a party.			
	3045	Party name format code	C	an..3	X
		Code specifying the representation of a party name.			
C059		STREET	C	1	X
		Street address and/or PO Box number in a structured address: one to four lines.			
	3042	Street and number or post office box identifier	M	an..35	X
		To identify a street and number and/or Post Office box number.			
	3042	Street and number or post office box identifier	C	an..35	X
		To identify a street and number and/or Post Office box number.			
	3042	Street and number or post office box identifier	C	an..35	X
		To identify a street and number and/or Post Office box number.			
	3042	Street and number or post office box identifier	C	an..35	X
		To identify a street and number and/or Post Office box number.			
3164		CITY NAME	C	1 an..35	X
		Name of a city.			
C819		COUNTRY SUB-ENTITY DETAILS	C	1	X
		To specify a part of a country (eg county or part of a city).			
	3229	Country sub-entity name code	C	an..9	X
		Code specifying the name of a country sub-entity.			
	1131	Code list qualifier	C	an..17	X
		Identification of a code list.			
	3055	Code list responsible agency, coded	C	an..3	X
		Code identifying the agency responsible for a code list.			
	3228	Country sub-entity name	C	an..70	X
		Name of a country sub-entity.			
3251		POSTAL IDENTIFICATION CODE	C	1 an..17	X
		Code specifying the postal zone or address.			
3207		COUNTRY, CODED	C	1 an..3	X
		Identification of the name of the country or other geographical entity as defined in ISO 3166-1.			



Group: **GID** **Segment Group 12: Goods Item Details**
Position: 0410
Group: Segment Group 7 (Consignment Information) **Mandatory**
Level: 2
Usage: Mandatory
Max Use: 99
Purpose: A group of segments to specify a goods item within the consignment.

Segment Summary

	Pos.	Seg.		Req.	Max.	Group:
	No.	ID	Name	Des.	Use	Repeat
M	0420	GID	Goods Item Details	M	1	
O	0430	FTX	Free Text	C	1	
O	0430	FTX	Free Text	C	1	
O	0440	PCI	Package Identification	C	1	
	0450		Segment Group 13: Split Goods Placement	C		99
	0480		Segment Group 14: Dangerous Goods	M		1



Segment: **GID** Goods Item Details
Position: 0420 (Trigger Segment)
Group: SG7-SG12
Level: 2
Usage: Mandatory
Max Use: 1
Purpose: A segment to identify a goods item within the consignment and to indicate the heading of a goods item with the number of packages.

Dependency Notes:

Data Element Summary				
Data Element	Component Element	Name	Base Attributes	User Attributes
1496		GOODS ITEM NUMBER To specify a goods item within a consignment.	C 1 n..5	R
		<i>GOODS ID SERIAL M</i>		
C213		NUMBER AND TYPE OF PACKAGES Number and type of individual parts of a shipment. Business Rules: 1. If TankerNonbulk NE '89T', then set Usage to 'Must Use' <i>Number and type of the selfcontained units in which the goods item is presented.</i>	C 1	D
	7224	Number of packages To specify the number of packages.	C n..8	R
		<i>GOODS PACKAGE TYPE OUTER TOTAL NUMBER C</i>		
	7065	Package type description code Code specifying the type of package.	C an..17	O
		<i>GOODS PACKAGE TYPE OUTER CODED C</i>		
	1131	Code list qualifier Identification of a code list.	C an..17	X
	3055	Code list responsible agency, coded Code identifying the agency responsible for a code list.	C an..3	X
	7064	Type of packages Description of the form in which goods are presented.	C an..35	O
		<i>GOODS PACKAGE TYPE OUTER DESCR C</i>		
	7233	Packaging related description code Code specifying information related to packaging.	C an..3	X
C213		NUMBER AND TYPE OF PACKAGES Number and type of individual parts of a shipment.	C 1	X
	7224	Number of packages To specify the number of packages.	C n..8	X
	7065	Package type description code Code specifying the type of package.	C an..17	X
	1131	Code list qualifier Identification of a code list.	C an..17	X
	3055	Code list responsible agency, coded Code identifying the agency responsible for a code list.	C an..3	X
	7064	Type of packages Description of the form in which goods are presented.	C an..35	X
	7233	Packaging related description code Code specifying information related to packaging.	C an..3	X
C213		NUMBER AND TYPE OF PACKAGES Number and type of individual parts of a shipment. <i>Number and type of the non-selfcontained units within the selfcontained units.</i>	C 1	O
	7224	Number of packages To specify the number of packages.	C n..8	R
		<i>GOODS PACKAGE TYPE INNER TOTAL NUMBER O</i>		
	7065	Package type description code Code specifying the type of package.	C an..17	O



		<i>GOODS PACKAGE TYPE INNER CODED</i>			<i>O</i>
C213	1131	Code list qualifier Identification of a code list.	C	an..17	X
	3055	Code list responsible agency, coded Code identifying the agency responsible for a code list.	C	an..3	X
	7064	Type of packages Description of the form in which goods are presented.	C	an..35	O
	<i>GOODS PACKAGE TYPE INNER DESCR</i>				
C213	7233	Packaging related description code Code specifying information related to packaging.	C	an..3	X
		NUMBER AND TYPE OF PACKAGES Number and type of individual parts of a shipment.	C	1	X
	7224	Number of packages To specify the number of packages.	C	n..8	X
	7065	Package type description code Code specifying the type of package.	C	an..17	X
C213	1131	Code list qualifier Identification of a code list.	C	an..17	X
	3055	Code list responsible agency, coded Code identifying the agency responsible for a code list.	C	an..3	X
	7064	Type of packages Description of the form in which goods are presented.	C	an..35	X
	7233	Packaging related description code Code specifying information related to packaging.	C	an..3	X
		NUMBER AND TYPE OF PACKAGES Number and type of individual parts of a shipment.	C	1	X
	7224	Number of packages To specify the number of packages.	C	n..8	X
	7065	Package type description code Code specifying the type of package.	C	an..17	X
	1131	Code list qualifier Identification of a code list.	C	an..17	X
	3055	Code list responsible agency, coded Code identifying the agency responsible for a code list.	C	an..3	X
	7064	Type of packages Description of the form in which goods are presented.	C	an..35	X
	7233	Packaging related description code Code specifying information related to packaging.	C	an..3	X



Segment: **FTX** Free Text
Position: 0430
Group: SG7-SG12
Level: 3
Usage: Conditional (Optional)
Max Use: 1
Purpose: A segment to specify processable supplementary information relating to the goods item. The text subject to be qualified: - Description of goods - Remarks

Dependency Notes:

Data Element Summary				
Data Element	Component Element	Name	Base Attributes	User Attributes
4451		TEXT SUBJECT QUALIFIER Code specifying subject of a free text. 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	M
4453		TEXT FUNCTION, CODED Code specifying the purpose of the text.	C 1 an..3	X
C107		TEXT REFERENCE Coded reference to a standard text and its source.	C 1	O
	4441	Free text identification Free text in coded form.	M an..17	M
		GOODS CARGO TYPE CODED O		
		0 No cargo unit (liquid bulk goods)		
		1 No cargo unit (solid bulk goods)		
		2 Large freight containers		
		3 Other freight containers		
		4 Palletized		
		5 Pre-slung		
		6 Mobile self-propelled units		
		7 Other mobile units		
		9 Other cargo types		
	1131	Code list qualifier Identification of a code list.	C an..17	X
	3055	Code list responsible agency, coded Code identifying the agency responsible for a code list.	C an..3	X
C108		TEXT LITERAL Free text; one to five lines.	C 1	O
	4440	Free text Free text field available to the message sender for information.	M an..512	M
		GOODS DESCRIPTION O		
	4440	Free text Free text field available to the message sender for information.	C an..512	O
	4440	Free text Free text field available to the message sender for information.	C an..512	O
	4440	Free text Free text field available to the message sender for information.	C an..512	O
	4440	Free text Free text field available to the message sender for information.	C an..512	O
3453		LANGUAGE, CODED Code of language (ISO 639-1988).	C 1 an..3	X
4447		TEXT FORMATTING, CODED Code specifying the formatting parameters for the text.	C 1 an..3	X



Segment: **FTX** Free Text
Position: 0430
Group: SG7-SG12
Level: 3
Usage: Conditional (Optional)
Max Use: 1
Purpose: A segment to specify processable supplementary information relating to the goods item. The text subject to be qualified: - Description of goods - Remarks

Dependency Notes:

Data Element Summary				
Data Element	Component Element	Name	Base Attributes	User Attributes
4451		TEXT SUBJECT QUALIFIER Code qualifying the subject of the text. <i>ACB Additional information</i> <i>The text contains additional information.</i>	M 1 an..3	M
4453		TEXT FUNCTION, CODED Code specifying the function of free text.	C 1 an..3	X
C107		TEXT REFERENCE Coded reference to a standard text and its source.	C 1	X
	4441	Free text identification Code specifying free form text.	M an..17	X
	1131	Code list qualifier Code identifying a user or association maintained code list.	C an..17	X
	3055	Code list responsible agency, coded Code specifying the agency responsible for a code list.	C an..3	X
C108		TEXT LITERAL Free text; one to five lines.	C 1	O
	4440	Free text Free form text. <i>GOODS REMARKS GENERAL O</i> <i>GOODS TANK CLEANING INFO O</i> <i>(See attribute definition for recommendation on use of free text lines.)</i>	M an..512	M
	4440	Free text Free form text.	C an..512	O
	4440	Free text Free form text.	C an..512	O
	4440	Free text Free form text.	C an..512	O
	4440	Free text Free form text.	C an..512	O
3453		LANGUAGE, CODED Code specifying the language name.	C 1 an..3	X
4447		TEXT FORMATTING, CODED Code specifying the format of free text.	C 1 an..3	X



Segment: **PCI** **Package Identification**
Position: 0440
Group: SG7-SG12
Level: 3
Usage: Conditional (Optional)
Max Use: 1
Purpose: A segment to specify marks and numbers of the goods item.

Dependency Notes:

Data Element Summary				
<u>Data Element</u>	<u>Component Element</u>	<u>Name</u>	<u>Base Attributes</u>	<u>User Attributes</u>
4233		MARKING INSTRUCTIONS CODE Code specifying instructions for marking.	C 1 an..3	X
C210		MARKS & LABELS Shipping marks on packages in free text; one to ten lines.	C 1	O
	7102	Shipping marks description Free form description of the shipping marks.	M an..35	M
		<i>GOODS MARKS & NUMBERS</i> O		
	7102	Shipping marks description Free form description of the shipping marks.	C an..35	O
	7102	Shipping marks description Free form description of the shipping marks.	C an..35	O
	7102	Shipping marks description Free form description of the shipping marks.	C an..35	O
	7102	Shipping marks description Free form description of the shipping marks.	C an..35	O
	7102	Shipping marks description Free form description of the shipping marks.	C an..35	O
	7102	Shipping marks description Free form description of the shipping marks.	C an..35	O
	7102	Shipping marks description Free form description of the shipping marks.	C an..35	O
	7102	Shipping marks description Free form description of the shipping marks.	C an..35	O
8275		CONTAINER OR PACKAGE CONTENTS INDICATOR CODE Code indicating the contents of container or package.	C 1 an..3	X
C827		TYPE OF MARKING Specification of the type of marking that reflects the method that was used and the conventions adhered to for marking (e.g. of packages).	C 1	X
	7511	Marking type code Code specifying the type of marking.	M an..3	X
	1131	Code list qualifier Identification of a code list.	C an..17	X
	3055	Code list responsible agency, coded Code identifying the agency responsible for a code list.	C an..3	X



Group: **SGP** Segment Group 13: Split Goods Placement
Position: 0450
Group: Segment Group 12 (Goods Item Details) Mandatory
Level: 3
Usage: Conditional (Optional)
Max Use: 99
Purpose: A group of segments to specify the distribution of a goods item among the transport equipment.

Segment Summary

	Pos.	Seg.		Req.	Max.	Group:
	<u>No.</u>	<u>ID</u>	<u>Name</u>	<u>Des.</u>	<u>Use</u>	<u>Repeat</u>
M	0460	SGP	Split Goods Placement	M	1	
O	0470	MEA	Measurements	C	1	



Segment: **SGP** Split Goods Placement
Position: 0460 (Trigger Segment)
Group: SG7-SG12-SG13
Level: 3
Usage: Mandatory
Max Use: 1
Purpose: A segment to identify the equipment (such as barge identification) in which the goods are transported.

Dependency Notes:

Data Element Summary				
<u>Data Element</u>	<u>Component Element</u>	<u>Name</u>	<u>Base Attributes</u>	<u>User Attributes</u>
C237		EQUIPMENT IDENTIFICATION Marks (letters/numbers) identifying equipment.	M	1
	8260	Equipment identification number To identify equipment.	C	an..17
	1131	Code list qualifier Identification of a code list.	C	an..17
	3055	Code list responsible agency, coded Code identifying the agency responsible for a code list.	C	an..3
	3207	Country, coded Identification of the name of the country or other geographical entity as defined in ISO 3166-1.	C	an..3
7224		NUMBER OF PACKAGES To specify the number of packages.	C	1 n..8



Segment: **MEA** Measurements
Position: 0470
Group: SG7-SG12-SG13
Level: 4
Usage: Conditional (Optional)
Max Use: 1
Purpose: A segment to specify measurements of that portion of the goods item in the equipment.

Dependency Notes:

Data Element Summary					
Data Element	Component Element	Name	Base Attributes	User Attributes	
6311		MEASUREMENT PURPOSE CODE QUALIFIER Code qualifying the purpose of the measurement. <i>AAE Measurement [6314] Value of the measured unit.</i>	M 1 an..3	M	
C502		MEASUREMENT DETAILS Identification of measurement type.	C 1	R	
	6313	Measured attribute code Code specifying the attribute measured. <i>G Gross weight [6292] Weight (mass) of goods including packing but excluding the carrier's equipment.</i>	C an..3	R	
	6321	Measurement significance code Code specifying the significance of a measurement.	C an..3	X	
	6155	Non-discrete measurement name code Code specifying the name of a non-discrete measurement.	C an..17	X	
	6154	Non-discrete measurement name Name of a non-discrete measurement.	C an..70	X	
C174		VALUE/RANGE Measurement value and relevant minimum and maximum values of the measurement range.	C 1	R	
	6411	Measurement unit code Code specifying the unit of measurement. <i>KGM Kilogram TNE (Metric) Tonne</i>	M an..8	M	
	6314	Measurement value To specify the value of a measurement. <i>*Note: Representation limited to numerical values (n..18 instead of an..18).</i>	C n..18	R	
	6162	Range minimum value To specify the minimum value of a range.	C n..18	X	
	6152	Range maximum value To specify the maximum value of a range.	C n..18	X	
	6432	Significant digits quantity Count of the number of significant digits.	C n..2	X	
7383		SURFACE OR LAYER CODE Code specifying the surface or layer of an object.	C 1 an..3	X	



Group: **DGS** Segment Group 14: Dangerous Goods
Position: 0480
Group: Segment Group 12 (Goods Item Details) Mandatory
Level: 3
Usage: Mandatory
Max Use: 1
Purpose: A group of segments to specify the dangerous goods details of the goods item. A goods item can be classified by only one dangerous goods class.

Segment Summary

	Pos. No.	Seg. ID	Name	Req. Des.	Max. Use	Group: Repeat
M	0490	DGS	Dangerous Goods	M	1	
M	0500	FTX	Free Text	M	1	
O	0500	FTX	Free Text	O	1	
M	0510	MEA	Measurements	M	5	
O	0520	LOC	Place/Location Identification	C	99	
O	0530	RFF	Reference	C	9	
	0540		Segment Group 15: Split Goods Placement	C		99



Segment: **DGS** Dangerous Goods
Position: 0490 (Trigger Segment)
Group: SG7-SG12-SG14
Level: 3
Usage: Mandatory
Max Use: 1
Purpose: A segment to indicate the dangerous goods regulation information, e.g. IMO code, UNDG number, dangerous goods class, packing group.

Dependency Notes:

Data Element Summary					
Data Element	Component Element	Name	Base Attributes	User Attributes	
8273		DANGEROUS GOODS REGULATIONS CODE Code specifying a dangerous goods regulation. <i>GOODS HAZARD REGULATIONS CODED M</i>	C 1 an..3	R	
		IMD IMO IMDG code Regulations regarding the transportation of dangerous goods on ocean-going vessels issued by the International Maritime Organization.			
C205		HAZARD CODE The identification of the dangerous goods in code.	C 1	R	
	8351	Hazard identification code Code identifying a hazard. Business Rules: Variable Name:IMOCClass <i>GOODS HAZARD REGULATIONS CLASS M</i>	M an..7	M	
	8078	Additional hazard classification identifier To identify an additional hazard classification. <i>GOODS HAZARD REGULATIONS PAGE NO O</i>	C an..7	O	
	8092	Hazard code version identifier To identify the version number of a hazard code. <i>GOODS HAZARD REGULATIONS AMENDMENT NO O</i>	C an..10	O	
C234		UNDG INFORMATION Information on dangerous goods, taken from the United Nations Dangerous Goods classification.	C 1	R	
	7124	United Nations Dangerous Goods (UNDG) identifier The unique serial number assigned within the United Nations to substances and articles contained in a list of the dangerous goods most commonly carried. <i>GOODS HAZARD REFERENCE UNDG M</i>	C n4	R	
	7088	Dangerous goods flashpoint description To describe the flashpoint of dangerous goods. <i>GOODS HAZARD REFERENCE UNDG M</i>	C an..8	X	
C223		DANGEROUS GOODS SHIPMENT FLASHPOINT Temperature at which a vapor can be ignited as per ISO 1523/73. Business Rules: 1. If IMOCClass EQ '3', then set Usage to 'Must Use'	C 1	D	
	7106	Shipment flashpoint degree To specify the value of the flashpoint of a shipment. <i>GOODS HAZARD FLASHPOINT O</i>	C n3	R	
	6411	Measurement unit code Code specifying the unit of measurement. <i>GOODS HAZARD FLASHPOINT UNIT C</i> CEL Degree Celsius FAH Degree Fahrenheit	C an..8	R	
8339		PACKAGING DANGER LEVEL CODE Code specifying the level of danger for which the packaging must cater.	C 1 an..3	O	

	GOODS HAZARD PACKING GROUP CODED O				
	1	Great danger (I) Packaging meeting criteria to pack hazardous materials with great danger. Group I according to IATA/IMDG/ADR/RID regulations.			
	2	Medium danger (II) Packaging meeting criteria to pack hazardous materials with medium danger. Group II according to IATA/IMDG/ADR/RID regulations.			
	3	Minor danger (III) Packaging meeting criteria to pack hazardous materials with minor danger. Group III according to IATA/IMDG/ADR/RID regulations.			
8364	EMERGENCY PROCEDURE FOR SHIPS IDENTIFIER		C	1 an..6	O
	To identify the emergency procedure number for ships transporting dangerous goods. Synonym: EMS Number.				
	GOODS HAZARD REFERENCE EMS O				
8410	HAZARD MEDICAL FIRST AID GUIDE IDENTIFIER		C	1 an..4	O
	To identify a Medical First Aid Guide (MFAG) for hazardous goods.				
	GOODS HAZARD REFERENCE MFAG O				
8126	TRANSPORT EMERGENCY CARD IDENTIFIER		C	1 an..10	X
	To identify a transport emergency (TREM) card.				
C235	HAZARD IDENTIFICATION PLACARD DETAILS		C	1	X
	These numbers appear on the hazard identification placard required on the means of transport.				
8158	Orange hazard placard upper part identifier		C	an..4	X
	To specify the identity number for the upper part of the orange hazard placard required on the means of transport.				
8186	Orange hazard placard lower part identifier		C	an4	X
	To specify the identity number for the lower part of the orange hazard placard required on the means of transport.				
C236	DANGEROUS GOODS LABEL		C	1	O
	Markings identifying the type of hazardous goods and similar information.				
8246	Dangerous goods marking identifier		C	an..4	R
	To identify the marking of dangerous goods.				
	GOODS HAZARD REGULATIONS SUBSIDIARY RISK O				
8246	Dangerous goods marking identifier		C	an..4	O
	To identify the marking of dangerous goods.				
8246	Dangerous goods marking identifier		C	an..4	O
	To identify the marking of dangerous goods.				
8255	PACKING INSTRUCTION TYPE CODE		C	1 an..3	X
	Code specifying a type of packing instruction.				
8325	HAZARDOUS MEANS OF TRANSPORT CATEGORY CODE		C	1 an..3	X
	Code specifying the category of means of transport for carrying hazardous goods.				
8211	HAZARDOUS CARGO TRANSPORT AUTHORISATION CODE		C	1 an..3	X
	Code specifying the authorisation for the transportation of hazardous cargo.				



Segment: **FTX** Free Text
Position: 0500
Group: SG7-SG12-SG14
Level: 4
Usage: Mandatory
Max Use: 1
Purpose: A segment to specify processable supplementary information relating to the dangerous goods. The text subject to be qualified (each qualifier may occur only once): - Dangerous goods technical name - Dangerous goods additional information

Dependency Notes:

Data Element Summary				
<u>Data Element</u>	<u>Component Element</u>	<u>Name</u>	<u>Base Attributes</u>	<u>User Attributes</u>
4451		TEXT SUBJECT QUALIFIER Code specifying subject of a free text. AAD <i>Dangerous goods, technical name</i> <i>[7254] Proper shipping name, supplemented as necessary with the correct technical name, by which a dangerous substance or article may be correctly identified or which is sufficiently informative to permit identification by reference to generally available literature.</i>	M 1 an..3	M
4453		TEXT FUNCTION, CODED Code specifying the purpose of the text.	C 1 an..3	X
C107		TEXT REFERENCE Coded reference to a standard text and its source.	C 1	O
	4441	Free text identification Free text in coded form.	M an..17	M
		GOODS HAZARD LIMITED QUANTITIES INDICATOR O TLQ <i>Transport of dangerous goods in limited quantities</i>		
	1131	Code list qualifier Identification of a code list.	C an..17	X
	3055	Code list responsible agency, coded Code identifying the agency responsible for a code list.	C an..3	X
C108		TEXT LITERAL Free text; one to five lines.	C 1	R
	4440	Free text Free text field available to the message sender for information.	M an..512	M
		GOODS HAZARD CHEMICAL/TECHNICAL NAME M		
	4440	Free text Free text field available to the message sender for information.	C an..512	O
	4440	Free text Free text field available to the message sender for information.	C an..512	O
	4440	Free text Free text field available to the message sender for information.	C an..512	O
	4440	Free text Free text field available to the message sender for information.	C an..512	O
	4440	Free text Free text field available to the message sender for information.	C an..512	O
3453		LANGUAGE, CODED Code of language (ISO 639-1988).	C 1 an..3	X
4447		TEXT FORMATTING, CODED Code specifying the formatting parameters for the text.	C 1 an..3	X



Segment: **FTX** Free Text
Position: 0500
Group: SG7-SG12-SG14
Level: 4
Usage: Optional (Optional)
Max Use: 1
Purpose: A segment to specify processable supplementary information relating to the dangerous goods. The text subject to be qualified (each qualifier may occur only once): - Dangerous goods technical name - Dangerous goods additional information

Dependency Notes:

Data Element Summary					
Data Element	Component Element	Name	Base Attributes	User Attributes	
4451		TEXT SUBJECT QUALIFIER Code qualifying the subject of the text. AAC <i>Dangerous goods additional information</i> [7488] <i>Additional information concerning dangerous goods.</i>	M 1 an..3	M	
4453		TEXT FUNCTION, CODED Code specifying the function of free text.	C 1 an..3	X	
C107		TEXT REFERENCE Coded reference to a standard text and its source.	C 1	R	
	4441	Free text identification Code specifying free form text. GOODS HAZARD MARPOL INDICATOR O (Code: P or PP) A <i>Additional information</i> F <i>Fumigation information</i> P <i>Marine pollutant</i> PP <i>Severe marine pollutant</i> R <i>Radioactive information</i>	M an..17	M	
	1131	Code list qualifier Code identifying a user or association maintained code list.	C an..17	X	
	3055	Code list responsible agency, coded Code specifying the agency responsible for a code list.	C an..3	X	
C108		TEXT LITERAL Free text; one to five lines.	C 1	O	
	4440	Free text Free form text. GOODS HAZARD INFO ADDITIONAL O GOODS HAZARD FUMIGATION INFO O GOODS HAZARD MARPOL INFO O GOODS HAZARD RADIOACTIVE INFO O (See attribute definitions for recommendations on use of free text lines.)	M an..512	M	
	4440	Free text Free form text.	C an..512	O	
	4440	Free text Free form text.	C an..512	O	
	4440	Free text Free form text.	C an..512	O	
	4440	Free text Free form text.	C an..512	O	
3453		LANGUAGE, CODED Code specifying the language name.	C 1 an..3	X	
4447		TEXT FORMATTING, CODED Code specifying the format of free text.	C 1 an..3	X	



Segment: **MEA** Measurements
Position: 0510
Group: SG7-SG12-SG14
Level: 4
Usage: Mandatory
Max Use: 5
Purpose: A segment to specify a measurement of the dangerous part of the goods item.
 The measurement to be qualified: - Net weight - Gross weight

Dependency Notes:

Data Element Summary					
Data Element	Component Element	Name	Base Attributes	User Attributes	
6311		MEASUREMENT PURPOSE CODE QUALIFIER Code qualifying the purpose of the measurement. <i>AAE Measurement [6314] Value of the measured unit.</i>	M 1 an..3	M	
C502		MEASUREMENT DETAILS Identification of measurement type.	C 1	R	
	6313	Measured attribute code Code specifying the attribute measured. <i>AAL Net weight [6160] Weight (mass) of goods including any packing normally going with them to a buyer in a retail sale.</i> <i>AEN Radioactive index of transport The index of transport determines the maximum radiation level at a distance of 1m from the external surface. Ref.: IMO class 7, chapter 2.7.6.1.</i> <i>AEO Radioactivity Activity of radioactive material. Ref.: IMO class 7, chapter 2.7.7.2.</i> <i>G Gross weight [6292] Weight (mass) of goods including packing but excluding the carrier's equipment.</i> <i>T19 Net explosive weight Weight (mass) of the explosive part or substance of goods without any packing. *Code added.</i> <i>T20 Radioactive criticality safety index The criticality safety index, assigned to fissile material, is a number which is used to provide control over the accumulation of packages containing fissile material. Ref.: IMO class 7, chapter 2.7.6.2. *Code added.</i>	C an..3	R	
	6321	Measurement significance code Code specifying the significance of a measurement.	C an..3	X	
	6155	Non-discrete measurement name code Code specifying the name of a non-discrete measurement.	C an..17	X	
	6154	Non-discrete measurement name Name of a non-discrete measurement.	C an..70	X	
C174		VALUE/RANGE Measurement value and relevant minimum and maximum values of the measurement range.	C 1	R	
	6411	Measurement unit code Code specifying the unit of measurement. <i>4N Mega Becquerel</i> <i>BQL Becquerel</i> <i>CUR Curie</i>	M an..8	M	



GBQ Giga Becquerel
 GRM Gram
 KGM Kilogram
 NMB Number

(Used for Radioactive index of transport and for Radioactive criticality safety index.)

TBQ Terra Becquerel
 TNE (Metric) Tonne

6314 Measurement value **C** **n..18** **R**

To specify the value of a measurement.

**Note: Representation limited to numerical values (n..18 instead of an..18).*

GOODS HAZARD WEIGHT GROSS O

GOODS HAZARD WEIGHT NET O

GOODS HAZARD WEIGHT NET EXPLOSIVE O

GOODS HAZARD RADIOACTIVE INDEX OF TRANSPORT C

GOODS HAZARD RADIOACTIVE CRITICALITY SAFETY INDEX C

GOODS HAZARD RADIOACTIVITY C

6162 Range minimum value **C** **n..18** **X**

To specify the minimum value of a range.

6152 Range maximum value **C** **n..18** **X**

To specify the maximum value of a range.

6432 Significant digits quantity **C** **n..2** **X**

Count of the number of significant digits.

7383 SURFACE OR LAYER CODE **C** **1 an..3** **X**

Code specifying the surface or layer of an object.



Segment: **LOC** Place/Location Identification
Position: 0520
Group: SG7-SG12-SG14
Level: 4
Usage: Conditional (Optional)
Max Use: 99
Purpose: A segment to indicate the cell location on board of the means of transport.
Dependency Notes:

Data Element Summary				
<u>Data Element</u>	<u>Component Element</u>	<u>Name</u>	<u>Base Attributes</u>	<u>User Attributes</u>
3227		LOCATION FUNCTION CODE QUALIFIER Code identifying the function of a location. 147 Stowage cell [8042] Indication of the location on board a means of transport where specified goods or transport equipment have been or are to be placed.	M 1 an..3	M
C517		LOCATION IDENTIFICATION Identification of a location by code or name.	C 1	R
	3225	Location name code Code specifying the name of the location. <i>GOODS HAZARD AT STOWAGE PLACE MAIN</i> O (See attribute definition for recommended format of stowage place.)	C an..35	R
	1131	Code list qualifier Identification of a code list.	C an..17	X
	3055	Code list responsible agency, coded Code identifying the agency responsible for a code list.	C an..3	X
	3224	Location name Name of the location.	C an..256	X
C519		RELATED LOCATION ONE IDENTIFICATION Identification of the first related location by code or name.	C 1	O
	3223	First related location name code Code specifying first related location. <i>GOODS HAZARD AT STOWAGE PLACE MAIN HATCHCOVER NUMBER</i> O	C an..25	O
	1131	Code list qualifier Identification of a code list.	C an..17	X
	3055	Code list responsible agency, coded Code identifying the agency responsible for a code list.	C an..3	X
	3222	First related location name Name of first related location. <i>GOODS HAZARD AT STOWAGE PLACE MAIN HATCHCOVER STATUS</i> O	C an..70	O
C553		RELATED LOCATION TWO IDENTIFICATION Identification of second related location by code or name.	C 1	X
	3233	Second related location name code Code specifying the second related location.	C an..25	X
	1131	Code list qualifier Identification of a code list.	C an..17	X
	3055	Code list responsible agency, coded Code identifying the agency responsible for a code list.	C an..3	X
	3232	Second related location name Name of the second related location.	C an..70	X
5479		RELATION CODE Code specifying a relation.	C 1 an..3	X



Segment: **RFF** Reference
Position: 0530
Group: SG7-SG12-SG14
Level: 4
Usage: Conditional (Optional)
Max Use: 9
Purpose: A segment by which the declaring party can refer to (a) number(s) of approval concerning exceptions on the existing hazardous goods regulation, obtained from the responsible authority.

Dependency Notes:

Data Element Summary				
<u>Data Element</u>	<u>Component Element</u>	<u>Name</u>	<u>Base Attributes</u>	<u>User Attributes</u>
C506		REFERENCE Identification of a reference.	M 1	M
	1153	Reference code qualifier Code qualifying a reference. <i>ALF</i> <i>Authorization number for exception to dangerous goods regulations</i> <i>Reference number allocated by an authority. This number contains an approval concerning exceptions on the existing dangerous goods regulations.</i>	M an..3	M
	1154	Reference identifier Identifies a reference.	C an..70	R
		GOODS HAZARD AUTHORIZATION NUMBER	O	
	1156	Document line identifier To identify a line of a document.	C an..6	X
	4000	Reference version identifier To identify the version of a reference.	C an..35	X
	1060	Revision identifier To identify a revision.	C an..6	X



Group: **SGP** Segment Group 15: Split Goods Placement
Position: 0540
Group: Segment Group 14 (Dangerous Goods) Mandatory
Level: 4
Usage: Conditional (Optional)
Max Use: 99
Purpose: A group of segments to specify the distribution of the dangerous goods among transport equipment.

Segment Summary

	<u>Pos.</u> <u>No.</u>	<u>Seg.</u> <u>ID</u>	<u>Name</u>	<u>Req.</u> <u>Des.</u>	<u>Max.</u> <u>Use</u>	<u>Group:</u> <u>Repeat</u>
M	0550	SGP	Split Goods Placement	M	1	
O	0560	LOC	Place/Location Identification	C	1	
O	0570	MEA	Measurements	C	5	



Segment: **SGP** Split Goods Placement
Position: 0550 (Trigger Segment)
Group: SG7-SG12-SG14-SG15
Level: 4
Usage: Mandatory
Max Use: 1
Purpose: A segment to identify the equipment (such as container number, barge identification, trailer identification) in which the dangerous goods is placed and the number of packages in that equipment.

Dependency Notes:

Data Element Summary				
<u>Data Element</u>	<u>Component Element</u>	<u>Name</u>	<u>Base Attributes</u>	<u>User Attributes</u>
C237		EQUIPMENT IDENTIFICATION Marks (letters/numbers) identifying equipment.	M 1	M
	8260	Equipment identification number To identify equipment.	C an..17	R
		<i>GOODS HAZARD IN CONTAINER ID PREFIX & NO</i>	O	
	1131	Code list qualifier Identification of a code list.	C an..17	X
	3055	Code list responsible agency, coded Code identifying the agency responsible for a code list.	C an..3	X
7224	3207	Country, coded Identification of the name of the country or other geographical entity as defined in ISO 3166-1.	C an..3	X
		NUMBER OF PACKAGES To specify the number of packages.	C 1 n..8	O
		<i>GOODS HAZARD IN CONTAINER PACKAGE TOTAL NUMBER</i>	O	



Segment: **LOC** Place/Location Identification
Position: 0560
Group: SG7-SG12-SG14-SG15
Level: 5
Usage: Conditional (Optional)
Max Use: 1
Purpose: A segment to indicate the cell location on board of the means of transport, for each equipment in which dangerous cargo is stored.

Dependency Notes:

Data Element Summary				
Data Element	Component Element	Name	Base Attributes	User Attributes
3227		LOCATION FUNCTION CODE QUALIFIER Code identifying the function of a location. 147 Stowage cell [8042] Indication of the location on board a means of transport where specified goods or transport equipment have been or are to be placed.	M 1 an..3	M
C517		LOCATION IDENTIFICATION Identification of a location by code or name.	C 1	R
	3225	Location name code Code specifying the name of the location. EQUIPMENT AT STOWAGE PLACE O (See attribute definition for recommended format of stowage place.)	C an..35	R
	1131	Code list qualifier Identification of a code list.	C an..17	X
	3055	Code list responsible agency, coded Code identifying the agency responsible for a code list.	C an..3	X
	3224	Location name Name of the location.	C an..256	X
C519		RELATED LOCATION ONE IDENTIFICATION Identification the first related location by code or name.	C 1	O
	3223	First related location name code Code specifying first related location. EQUIPMENT AT STOWAGE PLACE MAIN HATCH COVER NUMBER O	C an..25	O
	1131	Code list qualifier Identification of a code list.	C an..17	X
	3055	Code list responsible agency, coded Code identifying the agency responsible for a code list.	C an..3	X
	3222	First related location name Name of first related location. EQUIPMENT AT STOWAGE PLACE MAIN HATCH COVER STATUS O	C an..70	O
C553		RELATED LOCATION TWO IDENTIFICATION Identification of second related location by code or name.	C 1	X
	3233	Second related location name code Code specifying the second related location.	C an..25	X
	1131	Code list qualifier Identification of a code list.	C an..17	X
	3055	Code list responsible agency, coded Code identifying the agency responsible for a code list.	C an..3	X
	3232	Second related location name Name of the second related location.	C an..70	X
5479		RELATION CODE Code specifying a relation.	C 1 an..3	X



Segment: **MEA** Measurements
Position: 0570
Group: SG7-SG12-SG14-SG15
Level: 5
Usage: Conditional (Optional)
Max Use: 5
Purpose: A segment to specify a measurement of that placement in the equipment.
 The transport measurements to be qualified: - Net weight - Gross weight

Dependency Notes:

Notes: *Number of repeats increased from 2 to 5.

Data Element Summary					
Data Element	Component Element	Name	Base Attributes		User Attributes
6311		MEASUREMENT PURPOSE CODE QUALIFIER Code qualifying the purpose of the measurement. <i>AAE Measurement [6314] Value of the measured unit.</i>	M	1 an..3	M
C502		MEASUREMENT DETAILS Identification of measurement type.	C	1	R
	6313	Measured attribute code Code specifying the attribute measured. <i>AAL Net weight [6160] Weight (mass) of goods including any packing normally going with them to a buyer in a retail sale.</i> <i>AEN Radioactive index of transport The index of transport determines the maximum radiation level at a distance of 1m from the external surface. Ref.: IMO class 7, chapter 2.7.6.1.</i> <i>AEO Radioactivity Activity of radioactive material. Ref.: IMO class 7, chapter 2.7.7.2.</i> <i>G Gross weight [6292] Weight (mass) of goods including packing but excluding the carrier's equipment.</i> <i>T19 Net explosive weight Weight (mass) of the explosive part or substance of goods without any packing. *Code added.</i> <i>T20 Radioactive criticality safety index The criticality safety index, assigned to fissile material, is a number which is used to provide control over the accumulation of packages containing fissile material. Ref.: IMO class 7, chapter 2.7.6.2. *Code added.</i>	C	an..3	R
	6321	Measurement significance code Code specifying the significance of a measurement.	C	an..3	X
	6155	Non-discrete measurement name code Code specifying the name of a non-discrete measurement.	C	an..17	X
	6154	Non-discrete measurement name Name of a non-discrete measurement.	C	an..70	X
C174		VALUE/RANGE Measurement value and relevant minimum and maximum values of the measurement range.	C	1	R
	6411	Measurement unit code Code specifying the unit of measurement. <i>4N Mega Becquerel</i> <i>BQL Becquerel</i> <i>CUR Curie</i>	M	an..8	M



GBQ Giga Becquerel
 GRM Gram
 KGM Kilogram
 NMB Number

(Used for Radioactive index of transport and for Radioactive criticality safety index.)

TBQ Terra Becquerel
 TNE (Metric) Tonne

6314 Measurement value **C** **n..18** **R**

To specify the value of a measurement.

**Note: Representation limited to numerical values (n..18 instead of an..18).*

GOODS HAZARD IN CONTAINER WEIGHT GROSS O

GOODS HAZARD IN CONTAINER WEIGHT NET O

GOODS HAZARD IN CONTAINER WEIGHT NET EXPLOSIVE O

GOODS HAZARD IN CONTAINER RADIOACTIVE INDEX OF TRANSPORT O

GOODS HAZARD IN CONTAINER RADIOACTIVE CRITICALITY SAFETY INDEX O

GOODS HAZARD IN CONTAINER RADIOACTIVITY O

6162 Range minimum value **C** **n..18** **X**

To specify the minimum value of a range.

6152 Range maximum value **C** **n..18** **X**

To specify the maximum value of a range.

6432 Significant digits quantity **C** **n..2** **X**

Count of the number of significant digits.

7383 SURFACE OR LAYER CODE **C** **1 an..3** **X**

Code specifying the surface or layer of an object.



Segment: **UNT** Message Trailer
Position: 0580
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:

Data Element Summary				
<u>Data Element</u>	<u>Component Element</u>	<u>Name</u>	<u>Base Attributes</u>	<u>User Attributes</u>
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	M



5 Examples to represent dangerous goods information

This chapter contains examples of how to specify dangerous goods information in the EDIFACT message segments.

Included are some specific usages of segments and some examples of complete notification messages.

5.1 Examples of specific DGS segment group usage

5.1.1 IMDG Code

For a Dangerous goods in class 3 (flammable liquids) of the IMO's IMDG Regulation, having an United Nation Dangerous Goods number of 1194, and a flashpoint of -21 degrees Centigrade closed cup, packing group I and of which the dangerous goods technical name or proper shipping name is ETHYL NITRITE, SOLUTIONS,

the DGS segment and corresponding FTX segment are completed as follows:

```
DGS+IMD+3+1194+-21.0:CEL+1 '  
FTX+AAD+++ETHYL NITRITE,SOLUTIONS '
```

5.1.2 Primary risk and subsidiary risk

For a Dangerous goods with a primary hazard in class 3 (flammable liquids) of the IMO's IMDG Regulation and a subsidiary risk 6.1 (poisonous (toxic) substances), having a United Nation Dangerous Goods number of 1194, and a flashpoint of -21 degrees Centigrade closed cup, packing group I,

the DGS segment is completed as follows:

```
DGS+IMD+3+1194+-21.0:CEL+1+++6.1 '
```

5.1.3 Dangerous goods in Limited quantities

A dangerous goods with the technical name ETHANOL, is to be shipped in limited quantities according to IMO's IMDG chapter 18. The IMO's IMDG hazard class code is 3, the UNDG number is 1170.

When limited quantities are applicable IMO's IMDG stipulates that the Hazard class should always be completed and that the UNDG number may or may not be supplied. As the UNDG number is mandatory in the DGS segment, this results in two possible examples for completion of the DGS and FTX segments:

-1st Possibility: UNDG Number: 0000,
Dangerous Goods Technical Name: "DANGEROUS GOODS IN LIMITED QUANTITIES OF CLASS 3".

The DGS segment and corresponding FTX segment are completed as follows:

```
DGS+IMD+3+0000'  
FTX+AAD++TLQ+DANGEROUS GOODS IN LIMITED QUANTITIES OF CLASS 3'
```

-2nd Possibility: UNDG Number: 1170,
Dangerous Goods Technical Name: "ETHANOL IN LIMITED QUANTITIES".

The DGS segment and corresponding FTX segment are completed as follows:

```
DGS+IMD+3+1170'  
FTX+AAD++TLQ+ETHANOL IN LIMITED QUANTITIES'
```

5.1.4 Proper shipping name and Correct technical name

Proper shipping name and Correct technical name are quoted as: "FLAMMABLE LIQUID, N.O.S. (Ethanol and Dodecylphenol)".

The additional description in brackets is the Recognized chemical name. It is part of the correct description of the goods and this should be specified according to the IMDG code.

There are two options to represent this in the EDI message:

-1 One string of characters, so without making distinction between the Proper shipping name and the correct technical name, (in the same way as in the text above), as follows:

```
FTX+AAD+++FLAMMABLE LIQUID, N.O.S.(ETHANOL AND DODECYLPHENOL)'
```

-2 Two strings of characters, allowing distinction between Proper shipping name and Correct technical name by using different text lines in the FTX segment (separated by the ":"), as follows:

```
FTX+AAD+++FLAMABLE LIQUID, N.O.S.:ETHANOL AND DODECYLPHENOL'
```

5.2 Examples of complete IFTDGN messages

The messages are specified using the UNOA character set and version 2 of the EDIFACT Syntax. See Part VI for details of the envelop segments UNB and UNZ.

5.2.1 Example 1 – Container vessel

A Dangerous Goods Notification, identified by number 'DGN-950315' is send as 'Original', for a 'container vessel' ('89N') which is expected to arrive in the port of call, Rotterdam, on 'June 3, 2004, at 20:30 hours' local time. The notification is issued on June 1, 2004, at 15:30 hours' local time. The Lloyd's number of this container vessel is '7427764', the Radio Call Sign is 'LZGS', the name of the vessel is 'Holbrooke Herald' and her nationality is Belgian 'BE'. The carrier's voyage number is 'C0171'.

The carriers agent responsible for the notification to the authority is: 'Uxfold Agencies' in 'London'. The contact person for the notification at the carrier's agent's office is 'Mr. Baker'. Uxfold Agencies is also the sender of the EDI-message. The message recipient of the notification is the port authority in 'Antbrefelhamlehrot'.

At the first berth location 'G3011' the first consignment ('1'), identified with 'BL3017', will be 'Discharged' Its port of loading was Bremen and its port of discharge is (consequently) Rotterdam. The estimated date/time of the discharge operation for the consignment is 'June 4, 2004, at 11:00 hours'.

This consignment consists of: one goods item of dangerous goods with proper shipping name 'Corrosive solid, acidic, N.O.S. (glycolic acid)', gross weight '20.550 tons', net weight '18,55 tons' and packed in '112' 'drums'. The 'IMDG' class of glycolic acid is '8.0', the UNDG number '3261', the packing group is III, and the flashpoint '-5 degrees Celsius'.

These goods are transported in container 'KNLU1593212' (being a 'large freight container'). The stowage of this container is Bay 112, Row 3, Tier 8. The 'on-carriage' of the consignment will take place by a 'road' vehicle which is identified by 'DJ-PF-01'.

The second consignment '2' will be 'Remain on Board' (ROB, in transit), was loaded on board in Bremen and will be discharged in Felixstowe. It consists of: one goods item of dangerous goods with proper shipping name 'xilenols', gross weight '21,7 tons' packed in '73' 'cans'. The 'IMDG' class of xilenols is '6.1', the UNDG number '2261'. This dangerous good is transported in two 'large freight containers':

- the first container has identification 'SEAU8443304', has a gross weight of '14,3 tons', contains '33' of the cans and is stowed at 'Bay 43, Row 7, Tier 5';
- the second container has identification 'ICSU1845678', has a gross weight of '7,4 tons', contains '40' of the cans and is stowed at 'Bay 71, Row 5, Tier 2'.

The vessel also takes berth at location 'G3023' in the port where the vessel will 'load' the third consignment ('3') with dangerous goods.

The load operation for this consignment at this berth is expected to take place June 5, 2004 at 16:30h. This consignment consists of one goods item of dangerous goods with proper shipping name 'sludge acid', gross weight 14 tons, contained in '2240' bottles (as inner package) which are packed in '115' 'boxes' as outer packages. The 'IMDG' class of glycolic acid is '8.0', the UNDG number '1906'. This dangerous goods is transported in container 'OCLU8100631'. The stowage of this container is 'Bay 52, Row 5, Tier 8'.

Corresponding IFTDGN message for Example 1:



UNB+UNOA:2+UXFAG:PROT+PAPROTECT:PROT+040601:1600+DGN'
 UNH+30123431+IFTDGN:D:03A:UN:PROT20'
 BGM+89N+DGN1004+9'
 DTM+137:200406011530:203'
 TDT+20+C0171+1+++++7427764:::HOLBROOKE HERALD:BE'
 RFF+VM:LZGS'
 LOC+153+NLRTM'
 DTM+132:200406032030:203'

NAD+MS+UXFOLD+UXFOLD AGENCIES:CHURCH STREET 7:LONDON'
 NAD+CG+UXFOLD+UXFOLD AGENCIES:CHURCH STREET 7:LONDON'
 CTA+IC+:MR. BAKER'
 NAD+MR+PAPROTECT+PORT OF ANTBREFELHAMLEHROT'

CNI+1+BL3017'
 HAN+LDI'
 DTM+369:200406041100:203'
 LOC+200+NLRTM+G3011:BER:ZZZ'
 LOC+9+GEBRE'
 LOC+11+NLRTM'

TDT+30++3+++++DJ-PF-01'

GID+1+112:DR'
 FTX+AAA++2'
 DGS+IMD+8.0+3261+-5,00:CEL+3'
 FTX+AAD+++GLYCOLIC ACID'
 MEA+AAE+G+TNE:20550'
 MEA+AAE+AAL+TNE:18,55'
 SGP+KNLU1593212+112'
 LOC+147+1120308'

CNI+2'
 HAN+T'
 LOC+9+GEBRE'
 LOC+11+GBFXT'

GID+1+73:CA'
 FTX+AAA++2'
 DGS+IMD+6.1+2261'
 FTX+AAD+++XYLENOLS'
 MEA+AAE+G+TNE:21,7'
 SGP+SEAU8443304+40'
 LOC+147+0430705'
 MEA+AAE+G+TNE:14,3'
 SGP+ICSU1845678+33'
 LOC+147+0710502'
 MEA+AAE+G+TNE:7,4'

CNI+3+BL5055'
 HAN+LLO'
 DTM+369:2004006051630:203'
 LOC+200+NLRTM+G3023:BER:ZZZ'

GID+1+115:BX++2240:BQ'
 FTX+AAA++2'
 DGS+IMD+8.0+1906'
 FTX+AAD+++SLUDGE ACID'
 MEA+AAE+G+TNE:14'
 SGP+OCLU8100631+115'



LOC+147+0520508 '

UNT+57+30123431 '

UNZ+1+DGN '

5.2.2 Example 2 – Tanker vessel

A Dangerous Goods Notification, identified by number '1000312' is send as 'Original', for a 'tanker vessel' ('89T') which is expected to arrive in the port at 'November 6, 1998, at 23:00 hours' local time. The notification is issued on 'November 6, 1998 at 05:00 hours' local time. The Lloyd's number of this vessel is '3135521', the Radio Call Sign is 'ABXC', and the name of the vessel is 'Monte Rhea' and her nationality is Dutch 'NL'. Expected departure date of the vessel is 'November 9, 1998 at 13:00 hours'.

The sender of the message is 'Maritime Data Entry Services' in 'Harwich', contact person is 'Mrs. Strafford'. The carriers agent responsible for the notification is 'Uxfold Agencies' in 'London', contact person is 'Mr. Baker'.

The message recipient of the notification is the port authority in 'Antbrefelhamlehrot'.

The vessel takes first berth at 'Robo Tank Terminals' and secondly at 'Queens Terminal'.

All consignments notified in this notification message will be 'discharged' from the vessel.

The first consignment ('1') consists of one goods item described as 'acetone' in 'Liquid bulk' being a dangerous goods with proper shipping name 'glycolic acid', gross weight '2000 tons'. The 'IMDG' class of glycolic acid is '3', the UNDG number '1090' and the flashpoint '20 degrees Celsius'. Tanks 3 starboard '3S' and 2 portside '2P' of the vessel contain this dangerous goods. The expected date/time of the discharge operation is 'November 7, 1998 at 03:20 hours'.

The next place of berth is 'Queens Terminal'. The expected date/time of the discharge action for the second ('2') consignment at this berth is 'November 7, 1998 at 16:30 hours'. The consignment consists of two goods items:

- the first goods item ('1') consists of a dangerous goods called 'phosphoricacid', gross weight '210 ton'. The 'IMDG' class of phosphoricacid is '8.0', and the UNDG number '1805'. The stowage position of the phosphoricacid is tank seven portside '7P'.
- the second goods item ('2') consists of a dangerous goods called 'dioctylphthalate', gross weight '3,1 ton'. An 'IMDG' classification and a UNDG number have not been assigned. It is mentioned in the MARPOL as marine pollutant ('P'). The dioctylphthalate is stowed in tank '7S'.

Corresponding IFTDGN message for Example 2:

```
UNB+UNOA:2+MARDES:PROT+PAPROTECT:PROT+981106:0500+DGN '
UNH+541432+IFTDGN:D:03A:UN:PROT20 '
BGM+89T+1000312+9 '
DTM+137:199811060500:203 '
HAN+LDI '
TDT+20++1+++++3135521::MONTE RHEA:NL '
RFF+VM:ABXC '
LOC+153+NLRTM '
DTM+132:199811062300:203 '
DTM+133:199811091300:203 '
NAD+MS+MARDES+MARITIME DATA ENTRY SERVICES:KINGSLANE 117:HARWICH '
CTA+IC+:MRS. STRAFFORD '
NAD+CG+UXFOLD+UXFOLD AGENCIES:CHURCH STREET 7:LONDON '
```



CTA+IC+:MR. BAKER '
NAD+MR+PAPROTECT+PORT OF ANTBREFELHAMLEHROT '

CNI+1 '
DTM+369:199811070320:203 '
LOC+200+NLRTM+ROBO TANK TERMINALS:BER:ZZZ '

GID+1 '
FTX+AAA++0+ACETONE '
DGS+IMD+3+1090+-020:CEL '
FTX+AAD+++GLYCOLIC ACID '
MEA+AAE+G+TNE:2000 '
LOC+147+3S '
LOC+147+2P '

CNI+2 '
DTM+369:199811071630:203 '
LOC+200+NLRTM+QUEENS TERMINAL:BER:ZZZ '

GID+1 '
FTX+AAA++0 '
DGS+IMD+8.0+1805 '
FTX+AAD+++PHOSPORICACID '
MEA+AAE+G+TNE:210 '
LOC+147+7P '

GID+2 '
DGS+IMD+0.00+0000 '
FTX+AAD+++DIOCTYLPHTHALATE '
FTX+AAC++P '
MEA+AAE+G+TNE:3.1 '
LOC+147+7S '

UNT+40+541432 '
UNZ+1+DGN '

5.2.3 Example 3 – Cancellation message for example 2

A Dangerous Goods Notification, identified by number '1000312' (as per example 2) has been sent, but is to be cancelled by sending a new Dangerous Goods Notification message, identified by number '1000313' with the indication 'Cancellation'.

The new notification is issued on 'November 6, 1998 at 23:30 hours' local time.

This example message further contains only for one consignment that data (from example 2) that is required according to the specification in this message implementation guide.

N.B. It is noted that dummy data both on message level and for one consignment could be placed in the message.

Corresponding IFTDGN message for Example 3:

UNB+UNOA:2+MARDES:PROT+PAPROTECT:PROT+981106:0500+DGN '
UNH+541433+IFTDGN:D:03A:UN:PROT20 '
BGM+89T+1000313+1 '
DTM+137:199811062330:203 '
HAN+LDI '



RFF+ACW:1000312'
TDT+20++1+++++3135521::MONTE RHEA:NL'
RFF+VM:ABXC'
LOC+153+NLRTM'
DTM+132:199811062300:203'
NAD+MS+MARDES+MARITIME DATA ENTRY SERVICES:KINGSLANE 117:HARWICH'
NAD+MR+PAPROTECT+PORT OF ANTBREFELHAMLEHROT'
NAD+CG+UXFOLD+UXFOLD AGENCIES:CHURCH STREET 7:LONDON'

CNI+1'
DTM+369:199811070320:203'
GID+1'
DGS+IMD+3+1090+-020:CEL'
FTX+AAD+++GLYCOLIC ACID'
MEA+AAE+G+TNE:2000'

UNT+16+541433'
UNZ+1+DGN'
