

PROTECT Guide Version 2.0

PART IV

EDIFACT Message Implementation Guide

Waste Disposal Information message WASDIS

Version: 2.0
Date: March 17, 2005

Author:
PROTECT Secretariat
Niek C. Waagmeester
tel: +31 6 2128 1702
email: WaagmeesterN@hetnet.nl

Table of content

1	MESSAGE PRINCIPLES	3
1.1	Functional definition	3
1.2	Message principles	3
2	DATA ATTRIBUTES	5
3	MESSAGE STRUCTURE	11
4	DATA SEGMENT SPECIFICATION	15
5	ANNEX - CODE SET FOR MARPOL ANNEX SUBDIVISION CODED	68

Document Version Control

Version	Date	Release note (and description of change)
1.0	July 16, 2002	Draft version for internal PROTECT use (incorporating the requirements from the European Directive on Port Reception Facilities for ship-generated waste and cargo residues (Directive 2000/59/EC, dated 27 November 2000)) based on Directory D98B
1.0	December 30, 2002	Initial version for internal PROTECT use and pilot start up based on Directory D98B
2.0	June 8, 2004	First formal version for implementation (deleted one attribute (Voyage people info) and deleted two notes for attributes that were indicated 'temporarily solutions'; measurements (e.g. waste to be delivered) restricted to numeric values) based on Directory D2003A
2.0	March 17, 2005	Editorial changes (front page)

1 Message Principles

1.1 Functional definition

The functional definition of the WASDIS message is as follows:

A message to convey information on last inspection and/or on waste on board of a means of transport (e.g. vessel) and/or equipment related to a means of transport - and still to be disposed in the next place or port of call of the means of transport.

*Note: Message purpose amended (first 'and/or' was 'and').

1.2 Message principles

The following principles are applicable to the WASDIS message:

1. One message relates to one conveyance/voyage of a means of transport in one port of call.
2. The message is based on the legal requirements regarding the notification of ship-generated waste and cargo residues by an agent/operator/master of a vessel to the Port Authority.
3. The message is based on and supports the implementation by means of EDI of the European Directive on Port Reception Facilities for ship-generated waste and cargo residues (Directive 2000/59/EC of the European Parliament and Council, dated 27 November 2000).
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 Waste Notification message may contain several Waste items.
5. Waste items are identified according to the MARPOL treaty, which is officially known as the 'International Convention for the Prevention of Pollution from Ships, 1973, as modified by the Protocol of 1978 relating thereto' and known as "MARPOL 73/78". The identification is achieved by the number of the Annex together with a further subdivision.
6. The message caters for the provision of sending a Replacement or a Cancellation of a previously sent Original message. Also a Pre-advice of items requiring further information can be send.
Besides, the message can be used as an inter-port (or inter-authority) message (e.g. between Port Authorities).
7. 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.
8. The PROTECT Port Authorities have agreed to derive their local WASDIS 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 Message Implementation Guide.

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

9. 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

Entity	Data attribute	WAS DIS	In Directive	Mapping	Definition	Condition
Sender	Operator or agent / Competent Authority (normally Port Authority) in Port of call (POC)	AG or CA-POC				
Receiver	Port Authority / Competent Authority in next port of call (NPC)	PA or CA-NPC				
Header info		M, 1x				
	MESSAGE INFO TYPE CODED	M	-	BGM.1001	Indication whether message is a report from shipping agent to an authority for reporting information on waste disposal or an inter-port or inter-authority message reporting information on waste disposal (and inspection).	
	MESSAGE REFERENCE	M	-	BGM.1004	Unique reference of the current message within the relevant message type, assigned by the sender of the message.	
	MESSAGE CHANGE PREVIOUS MESSAGE REFERENCE	C	-	RFF(ACW).1154	Reference to the message that is being replaced by the current message. This reference has to equal the contents of the Message Reference of the message to which the current message refers.	
	MESSAGE FUNCTION INDICATOR	M	-	BGM.1225	Indicator whether message is an Original Notification, a Replacement of a previously sent Notification or a Pre-advise of items requiring further information.	



Entity	Data attribute	WAS DIS	In Directive	Mapping	Definition	Condition
	MESSAGE DATE/TIME	M	J	DTM(137).2380.(203)	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).)	
	MESSAGE RECIPIENT ID	M	-	NAD(MR).3039	Unique identification of the organization of the recipient of the message.	
	MESSAGE RECIPIENT NAME & ADDRESS etc.	O	-	NAD(MR).3124 etc	Name & address details - in free text format or structured - of the organization of the recipient of the message.	
	MESSAGE SENDER ID	M	-	NAD(MS).3039	- Unique identification of the organization of the sender of the message.	
	MESSAGE SENDER NAME & ADDRESS etc.	O	-	NAD(MR).3124 etc.	Name & address details - in free text format or structured - of the organization of the sender of the message.	
Notification data		M, 1x				
	MAIN OCEAN SHIP'S STAY REFERENCE	O	-	RFF(ATZ).1154		
	MAIN VESSEL POC CODED	M	J	TDT(20).LOC(153).3225	Port of call of the main carriage vessel (and for which this message is issued). *Note: Use UNLOCODE for the port.	
	MAIN VESSEL POC BERTH CODED	O	-	TDT(20).LOC(153).3223	Code for the place in the port of call where the vessel will moore/take berth.	
	MAIN VESSEL POC WASTE DELIVERY INDICATOR	-	J	-	Indication whether All, Some or None of the waste of the vessel will be delivered in the port of call. Note: Because this data item is redundant -as this indication can be derived from the detailed specifications of the wastes in the message (to be delivered, the capacity, etc)- this item is not included in the message.	



Entity	Data attribute	WAS DIS	In Directive	Mapping	Definition	Condition
	MAIN VESSEL D/T ETA POC	M	J	TDT.DTM(132).2380.(203)	Expected time of arrival of the main carriage vessel in the port of call.	
	MAIN VESSEL D/T ETD POC	M	J	TDT.DTM(133).2380.(203)	Expected time of departure of the main carriage vessel from the port of call.	
	MAIN VESSEL INSPECTION D/T, LAST	C	-	LOC.DTM(351=Inspection date).2380.(102)	Date at which the main carriage seagoing vessel was lastly inspected. *Note: In this context the last inspection for ship generated waste and cargo residues is meant.	May only be used in case of Inter-port (inter-authority) message.
	MAIN VESSEL PLACE/INSPECTION LAST CODED	O	-	LOC(23=Port of Release).3225	Code for the place/port where the main carriage seagoing vessel was lastly inspected by or on behalf of the (port) authority. *Note: In this context the last inspection for ship generated waste and cargo residues is meant.	May only be used in case of Inter-port message.
	MAIN OCEAN CARRIER AGENT ID	M	-	NAD(CG).3039	Identification of the party responsible for notification on behalf of the carrier.	
	MAIN OCEAN CARRIER AGENT NAME & ADDRESS etc.	O	-	NAD(CG).3124 etc.	Name and address details - in free text format or structured - of the party responsible for notification on behalf of the carrier.	
	MAIN OCEAN CARRIER AGENT CONTACT NAME	M	J (as Signature)	NAD.CTA(IC).3412	Name of the person authorised to act as responsible person for "Signature" on behalf of the vessel operator/ carrier.	
	MAIN OCEAN CARRIER AGENT PHONE/FAX/EMAIL	O	-	NAD.CTA(IC).COM.3148		
Vessel data		M, 1x				
	MAIN VESSEL ID LRN	O	J (where appropriate)	TDT(20).8213	Identification of the seagoing vessel according to Lloyd's Register of Shipping (Lloyd's Register Number LRN) (=IMO identification).	
	MAIN VESSEL ID RCS	M	J	TDT.RFF(VM).1154	Radio Call Sign (RCS) of the seagoing vessel, according to the ITU (International Telecommunications Union).	
	MAIN VESSEL NAME	O	J	TDT(20).8212	Name of the seagoing vessel.	



Entity	Data attribute	WAS DIS	In Directive	Mapping	Definition	Condition
	MAIN VESSEL NATIONALITY CODED	O	J	TDT(20).8453	Code for nationality of the main carriage vessel according to UN Country code.	
	MAIN VESSEL TYPE CODED	O	-	TDT.8179	Code for vessel type according to the Lloyd's Register of Shipping's code table for vessel types.	
	MAIN VESSEL EQUIPMENT INFO	O		FTX(AGK).4440	Additional information on the vessel's special equipment. Free text lines are recommended to be used as follows (in sequence and format): -1 st 4440: VACUUMSYSTEM ON BOARD: 'YES' or 'NO' or 'NOT KNOWN'; -2 nd 4440: INCINERATOR ON BOARD: 'YES' or 'NO'; -3 rd 4440: INCINERATOR CAPACITY (in m3/hour).	
	MAIN VESSEL VOYAGE INFO	O		FTX(TDT).4440	Additional information on the vessel's voyage. Free text lines are recommended to be used as follows (in sequence and format): -1 st 4440: ELAPSED DURATION OF VOYAGE – since last waste disposal (in days).	
	MAIN VESSEL FUEL INFO	O		FTX(ABA= Tariff statement).4440	Additional information on the fuel used by the vessel. Free text lines are recommended to be used as follows (in sequence and format): -1st 4440: KIND OF FUEL ('HFO' for Heavy fuel oil, 'MDO' for Marine Diesel oil, or the name of the fuel; -2nd 4440: FUEL CONSUMPTION (in tons/day).	
Voyage data		M, 1x				
	MAIN VESSEL PLACE/CALL NEXT CODED	M	J	TDT.LOC(61).3225	Next port of call of the main carriage vessel.	
	MAIN VESSEL PLACE/CALL PREVIOUS CODED	M	J	TDT.LOC(94).3225	Previous port of call of the main carriage vessel.	



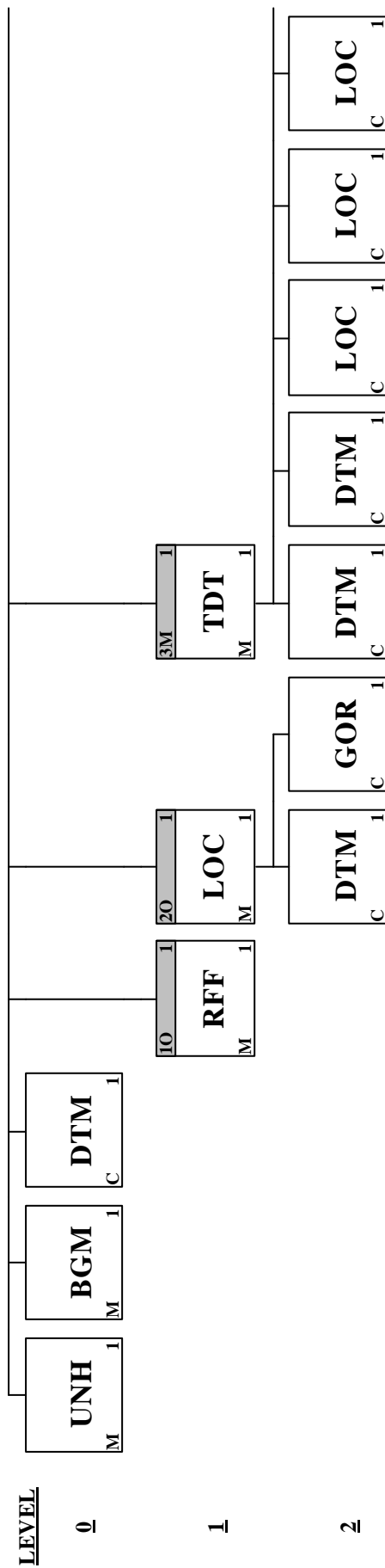
Entity	Data attribute	WAS DIS	In Directive	Mapping	Definition	Condition
Waste data		O, 99x		DGS Group		
	WASTE HAZARD REGULATIONS MARPOL	M	J, indirect	DGS.8273	Code for the MARPOL treaty, officially known as the 'International Convention for the Prevention of Pollution from Ships, 1973', later modified and extended in 1978, and known as "MARPOL 73/78".	
	WASTE HAZARD REGULATIONS MARPOL ANNEX	M	J, indirect	DGS.8351	Code indicating the Annex to MARPOL 73/78 as applicable to the specified waste (e.g. I, II, V).	
	WASTE HAZARD REGULATIONS MARPOL ANNEX SUBDIVISION CODED	M	J	DGS.8078	The code for the type of waste falling within the mentioned annex to MARPOL 73/78.	
	WASTE HAZARD ADDITIONAL SPECIFICATION TEXT	C	J (where appropriate)	DGS.FTX(AAA).4440	Additional free text specification of the waste, such as the name of the waste material (e.g. incinerator residues, glass, paint residues, polluted soil/ground, scrap iron), and/or the chemical/technical name of the waste.	To be completed depending on code for MARPOL Annex subdivision. See Annex.
	WASTE HAZARD VOLUME ON BOARD	M	No (Not yet)	DGS.MEA(AAE)(COB)(MT Q).6314	Amount of waste (in m3) on board at the moment of the notification.	
	WASTE HAZARD VOLUME TO BE DELIVERED	M	J	DGS.MEA(AAE)(DEL)(MT Q).6314	Amount of waste (in m3) to be delivered to a port reception facility in the Port of Call.	
	WASTE HAZARD VOLUME TO BE GENERATED	O	J	DGS.MEA(AAE)(GEN)(MT Q).6314	Estimated amount of waste (in m3) to be generated between creation of the current notification and arrival in the next port of call, <i>irrespective</i> of use of incinerator or compactor or disposal at sea.	
	WASTE HAZARD VOLUME TO REMAIN ON BOARD	O	J	DGS.MEA(AAE)(ROB)(MT Q).6314	Amount of waste remaining on board (in m3) when leaving the port of call.	
	WASTE HAZARD VOLUME STORAGE CAPACITY	M	J	DGS.MEA(AAE)(EAM)(MT Q).6314	Maximum dedicated storage capacity (in m3) available for the waste.	
	WASTE HAZARD REFERENCE UN	O	-	DGS.7124	The (unique) UN number of the dangerous goods.	

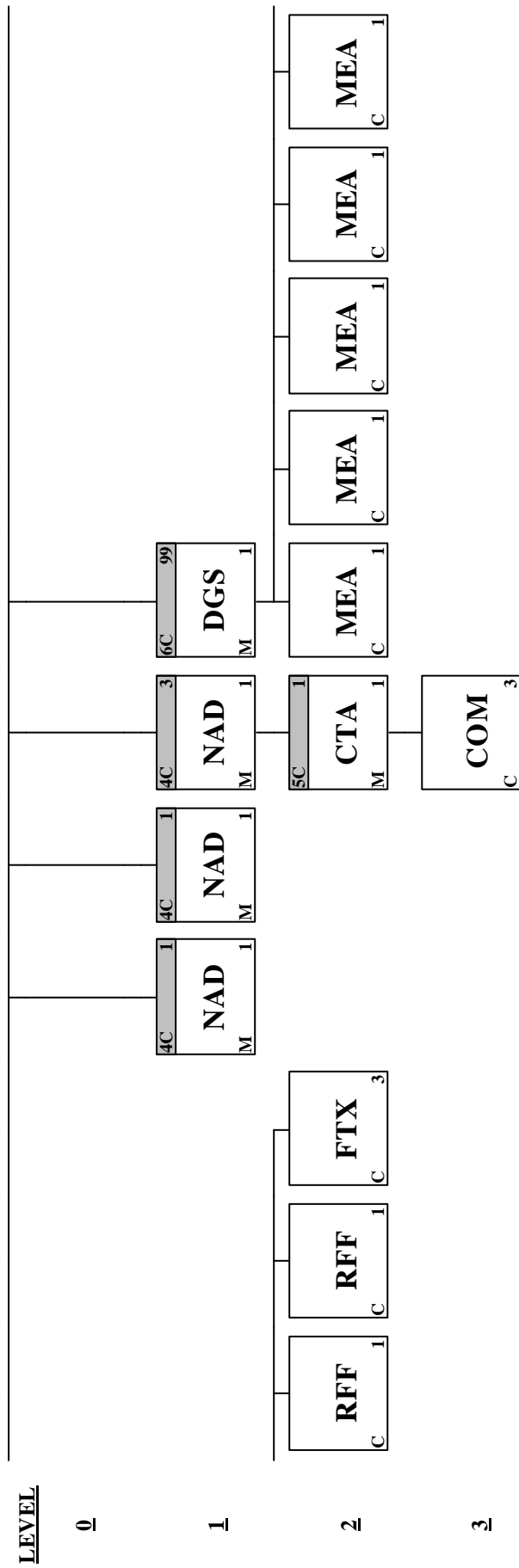


Entity	Data attribute	WAS DIS	In Directive	Mapping	Definition	Condition
	WASTE HAZARD IN TANK ID	O, 9x	-	DGS.SGP,8260	Identification of the equipment/tank in which the waste is stored.	
	WASTE HAZARD REMAINDER PORT/DELIVERY CODED	O	J	DGS.LOC(152).3225	Port at which remaining waste will be delivered. Note: Use UNLOCODE, plus additional codes: ZZSEA = (Disposal of waste) at sea, ZZTBN = (Disposal of waste) at port/place to be nominated, ZZINC = (Waste will be burned) in incinerator.	
	WASTE COLLECTOR ID	O	-	NAD(AP=Accepting Party).3039	Identification of the party that is authorized to receive the waste. *Note: Use locally agreed code list.	
	WASTE HAZARD PLACE/DISCHARGE POC BERTH CODED	O	-	DGS.LOC(153=Port of call).3225 and 3223	Code for the berth in the port of call where the ship-generated waste will be delivered. *Note: Use UNLOCODE for the port and locally agreed code for the berth.	
	WASTE HAZARD PLACE/DISCHARGE LAST CODED	O	J, but on msg level	DGS.LOC(12=Port of Discharge).3225	Code for the port where the ship-generated waste was lastly delivered. Note: Use UNLOCODE, plus additional codes: ZZSEA = (Disposal of waste) at sea, ZZTBN = (Disposal of waste) at port/place to be nominated, ZZINC = (Waste will be burned) in incinerator.	
	WASTE HAZARD PLACE/DISCHARGE D/T LAST	M	J, but on msg level	DGS.DTM(35=Delivery d/t, actual).2380	Date that ship-generated waste was lastly delivered in a port called on <i>or disposed of at sea</i> .	
	WASTE HAZARD PLACE/DISCHARGE D/T EXPECTED	O	-	DGS.DTM(191=Delivery d/t, expected).2380	Date that ship-generated waste is expected to be delivered in the port of call <i>or disposed of at sea</i> .	

3 Message structure

Page No.	Pos. No.	Seg. ID	Name	Base Status	User Status	Max.Use	Group Repeat	Notes and Comments
Fout! Blad wijze r niet gede finie erd. 17 19 21 23 24 25 28 30 31 32 33 34 35 36 37 39 42 45 48 49 51 53 54 55 56 57 58 59 60 61 62 63 64 65 67	0010	UNH	Message Header	M	M	1		
	0020	BGM	Beginning of Message	M	M	1		
	0030	DTM	Date/Time/Period	C	R	1		
	0040		Segment Group 1: RFF	O	D		1	
	0050	RFF	Reference	M	M	1		
	0070		Segment Group 2: LOC-DTM-GOR	O	D		1	
	0080	LOC	Place/Location Identification	M	M	1		
	0090	DTM	Date/Time/Period	C	O	1		
	0100	GOR	Governmental Requirements	C	R	1		
	0110		Segment Group 3: TDT-DTM-LOC-RFF-FTX	M	M		1	
	0120	TDT	Transport Information	M	M	1		
	0130	DTM	Date/Time/Period	C	R	1		
	0130	DTM	Date/Time/Period	C	R	1		
	0140	LOC	Place/Location Identification	C	R	1		
	0140	LOC	Place/Location Identification	C	R	1		
	0140	LOC	Place/Location Identification	C	R	1		
	0150	RFF	Reference	C	R	1		
	0150	RFF	Reference	C	O	1		
	0170	FTX	Free Text	C	O	3		
	0190		Segment Group 4: NAD	C	R		1	
	0200	NAD	Name and Address	M	M	1		
	0190		Segment Group 4: NAD	C	R		1	
	0200	NAD	Name and Address	M	M	1		
	0190		Segment Group 4: NAD-SG5	C	R		3	
	0200	NAD	Name and Address	M	M	1		
	0210		Segment Group 5: CTA-COM	C	R		1	
	0220	CTA	Contact Information	M	M	1		
	0230	COM	Communication Contact	C	O	3		
	0240		Segment Group 6: DGS-MEA-SGP-FTX-LOC-DTM-NAD	C	O		99	
	0250	DGS	Dangerous Goods	M	M	1		
	0260	MEA	Measurements	C	R	1		
	0260	MEA	Measurements	C	R	1		
	0260	MEA	Measurements	C	R	1		
	0260	MEA	Measurements	C	O	1		
	0260	MEA	Measurements	C	O	1		
	0270	SGP	Split Goods Placement	C	O	999		
	0280	FTX	Free Text	C	O	1		
	0290	LOC	Place/Location Identification	C	O	1		
	0290	LOC	Place/Location Identification	C	O	1		
	0290	LOC	Place/Location Identification	C	O	1		
	0300	DTM	Date/Time/Period	C	R	1		
	0300	DTM	Date/Time/Period	C	O	1		
	0305	NAD	Name and Address	C	O	1		
	0310	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 Waste disposal information message is WASDIS.
 Note: Waste disposal information messages conforming to this document must contain the following data in segment UNH, composite S009:
 Data element 0065 WASDIS 0052 D 0054 03A
 0051 UN

Dependency Notes:

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>WASDIS Waste disposal information message</i> <i>A code to identify the waste disposal information 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 a message and to transmit the identifying number.

Dependency Notes:

Data Element Summary				
Data Element	Component Element	Name	Base Attributes	User Attributes
C002	1001	DOCUMENT/MESSAGE NAME	C 1	R
		Identification of a type of document/message by code or name. Code preferred.		
		Document name code	C an..3	R
		Code specifying the document name.		
		Business Rules:		
		Variable Name:WasteInfoType		
		MESSAGE INFO TYPE CODED M		
		470 Waste disposal report		
		Document/message sent by a shipping agent to an authority for reporting information on waste disposal.		
		482 Port authority waste disposal report		
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.		
	1004	DOCUMENT/MESSAGE IDENTIFICATION	C 1	R
		Identification of a document/message by its number and eventually its version or revision.		
	1056	Document identifier	C an..35	R
		To identify a document.		
1225	1060	MESSAGE REFERENCE M		
		Version identifier	C an..9	X
		To identify a version.		
		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.		
	1	MESSAGE FUNCTION INDICATOR M		
		Cancellation		
	1	Message cancelling a previous transmission for a given transaction.		

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 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.

- 5 *Replace*
Message replacing a previous message.
- 9 *Original*
Initial transmission related to a given transaction.
- 58 *Pre-advice of items requiring further information*
A pre-advice that items require further information.

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 provide the date and time of the message.

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. 137 <i>Document/message date/time</i> (2006) <i>Date/time when a document/message is issued. This may include authentication.</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. MESSAGE DATE/TIME M	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

Group: **RFF** Segment Group 1: Reference
Position: 0040
Group:
Level: 1
Usage: Optional (Dependent)
Max Use: 1
Purpose: A group of segments to specify a reference applying to the whole message.

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	0050	RFF	Reference	M	1	

Segment: **RFF** Reference
Position: 0050 (Trigger Segment)
Group: SG1
Level: 1
Usage: Mandatory
Max Use: 1
Purpose: A segment to specify a reference, e.g. reference to previous message.
Dependency Notes:
Business Rules:

1. If MessageFunction EQ '1' or MessageFunction EQ '5', then set Usage to 'Must Use'
2. If MessageFunction EQ '9' or MessageFunction EQ '58', then set Usage to 'Not Used'

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. ACW <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	M
	1154	Reference identifier Identifies a reference.	C an..70	R
		MESSAGE CHANGE PREVIOUS MESSAGE REFERENCE	C	
	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 2: Place/Location Identification**
Position: 0070
Group:
Level: 1
Usage: Optional (Dependent)
Max Use: 1
Purpose: A group of segments to give information about the inspection of the means of transport and the associated results.

Segment Summary

	Pos. No.	Seg. ID	Name	Req. Des.	Max. Use	Group: Repeat
M	0080	LOC	Place/Location Identification	M	1	
O	0090	DTM	Date/Time/Period	C	1	
R	0100	GOR	Governmental Requirements	C	1	

Segment: **LOC** Place/Location Identification
Position: 0080 (Trigger Segment)
Group: SG2
Level: 1
Usage: Mandatory
Max Use: 1
Purpose: A segment to specify the place where the means of transport has been inspected.

Dependency Notes:

Business Rules: 1. If WasteInfoType NE '482', 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>
3227		LOCATION FUNCTION CODE QUALIFIER Code identifying the function of a location. 23 <i>Port of release</i> <i>Port where goods are released from Customs custody.</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> <i>MAIN VESSEL PLACE/INSPECTION LAST CODED 0</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	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 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

Segment: **DTM** Date/Time/Period
Position: 0090
Group: SG2
Level: 2
Usage: Conditional (Optional)
Max Use: 1
Purpose: A segment to indicate the date and time of the inspection.
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. 351 Inspection date Date of inspection.	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 INSPECTION D/T, LAST C	C an..35	R
	2379	Date or time or period format code Code specifying the representation of a date, time or period. 102 CCYYMMDD Calendar date: C = Century ; Y = Year ; M = Month ; D = Day.	C an..3	R

Segment: **GOR** **Governmental Requirements**
Position: 0100
Group: SG2
Level: 2
Usage: Conditional (Required)
Max Use: 1
Purpose: A segment to indicate the government agency involved (e.g. Maritime pollution inspection agency), the government involvement (e.g. an indication that a certain procedure is completed or required) and the government procedure (e.g. to indicate that charge of waste is required).

Dependency Notes:

Data Element Summary					
Data Element	Component Element	Name	Base Attributes	User Attributes	
8323		TRANSPORT MOVEMENT CODE Code specifying the transport movement.	C 1 an..3	X	
C232		GOVERNMENT ACTION Code indicating a type of government action.	C 1	R	
	9415	Government agency identification code Code identifying a government agency. 11 <i>Port authority</i> <i>Government or semi-government body responsible for port operations.</i>	C an..3	R	
	9411	Government involvement code Code indicating the requirement and status of governmental involvement. 3 <i>Completed</i> <i>Procedures have been completed.</i>	C an..3	R	
	9417	Government action code Code specifying a type of government action such as inspection, detention, fumigation, security. 4 <i>Inspection</i> <i>The cargo has been or will be inspected.</i>	C an..3	R	
	9353	Government procedure code Code specifying a government procedure.	C an..3	X	
C232		GOVERNMENT ACTION Code indicating a type of government action.	C 1	X	
	9415	Government agency identification code Code identifying a government agency.	C an..3	X	
	9411	Government involvement code Code indicating the requirement and status of governmental involvement.	C an..3	X	
	9417	Government action code Code specifying a type of government action such as inspection, detention, fumigation, security.	C an..3	X	
	9353	Government procedure code Code specifying a government procedure.	C an..3	X	
C232		GOVERNMENT ACTION Code indicating a type of government action.	C 1	X	
	9415	Government agency identification code Code identifying a government agency.	C an..3	X	
	9411	Government involvement code Code indicating the requirement and status of governmental involvement.	C an..3	X	
	9417	Government action code Code specifying a type of government action such as inspection, detention, fumigation, security.	C an..3	X	
	9353	Government procedure code Code specifying a government procedure.	C an..3	X	



C232	GOVERNMENT ACTION	C	1	X
	Code indicating a type of government action.			
9415	Government agency identification code	C	an..3	X
	Code identifying a government agency.			
9411	Government involvement code	C	an..3	X
	Code indicating the requirement and status of governmental involvement.			
9417	Government action code	C	an..3	X
	Code specifying a type of government action such as inspection, detention, fumigation, security.			
9353	Government procedure code	C	an..3	X
	Code specifying a government procedure.			

Group: **TDT** **Segment Group 3: Transport Information**
Position: 0110
Group:
Level: 1
Usage: Mandatory
Max Use: 1
Purpose: A group of segments to indicate the details of the means of transport, with related quantities, locations, dates and times, measurement, etc..

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	0120	TDT	Transport Information	M	1	
R	0130	DTM	Date/Time/Period	C	1	
R	0130	DTM	Date/Time/Period	C	1	
R	0140	LOC	Place/Location Identification	C	1	
R	0140	LOC	Place/Location Identification	C	1	
R	0140	LOC	Place/Location Identification	C	1	
R	0150	RFF	Reference	C	1	
O	0150	RFF	Reference	C	1	
O	0170	FTX	Free Text	C	3	

Segment: **TDT** Transport Information
Position: 0120 (Trigger Segment)
Group: SG3
Level: 1
Usage: Mandatory
Max Use: 1
Purpose: A segment to identify the means of transport (e.g. by Lloyd's Register number of a vessel, or by the license plate number of a truck) and the type of the means of 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.	C 1 an..17	X
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. 1 <i>Maritime 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	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
	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 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 Code specifying the direction of transport.	C 1 an..3	X
C401		EXCESS TRANSPORTATION INFORMATION To provide details of reason for, and responsibility for, use of transportation other than normally utilized.	C 1	X
	8457	Excess transportation reason code Code specifying the reason for excess transportation.	M an..3	X
	8459	Excess transportation responsibility code	M an..3	X

C222	7130	Code specifying the responsibility for excess transportation. Customer shipment authorisation identifier	C	an..17	X
		To identify the authorisation to ship issued by the customer.			
		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.			
		<i>MAIN VESSEL ID LRN (Lloyd's Register Number)</i>	O		
	1131	Code list qualifier	C	an..17	X
		Identification of a code list.			
	3055	Code list responsible agency, coded	C	an..3	X
8281		Code identifying the agency responsible for a code list.			
	8212	Transport means identification name	C	an..70	O
		Name identifying a means of transport.			
		<i>*Note: Representation extended to 70 characters (an..70 instead of an..35).</i>			
		<i>MAIN VESSEL NAME</i>	O		
	8453	Transport means nationality code	C	an..3	O
		Code specifying the nationality of a means of transport.			
		<i>MAIN VESSEL NATIONALITY CODED</i>	O		
		TRANSPORT MEANS OWNERSHIP INDICATOR CODE	C	1 an..3	X
		Code indicating the ownership of a means of transport.			

Segment: **DTM** Date/Time/Period
Position: 0130
Group: SG3
Level: 2
Usage: Conditional (Required)
Max Use: 1
Purpose: A segment to indicate the date and time of arrival/departure in the place or port of call.

Dependency Notes:

Data Element Summary				
Data Element	Component Element	Name	Base Attributes	User Attributes
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. 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>		
	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.		
		<i>MAIN VESSEL D/T ETA POC M</i>		
	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>		

Segment: **DTM** Date/Time/Period
Position: 0130
Group: SG3
Level: 2
Usage: Conditional (Required)
Max Use: 1
Purpose: A segment to indicate the date and time of departure in the place or port of call.

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. <i>MAIN VESSEL D/T ETD POC M</i>	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: 0140
Group: SG3
Level: 2
Usage: Conditional (Required)
Max Use: 1
Purpose: A segment to indicate a location relating to the means of transport, such as: - place or port of departure - next place or port of call.

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 POC CODED M	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. MAIN VESSEL POC BERTH CODED O <i>Note: Use locally agreed code list for berth.</i>	C an..25	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	
	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	

Segment: **LOC** Place/Location Identification
Position: 0140
Group: SG3
Level: 2
Usage: Conditional (Required)
Max Use: 1
Purpose: A segment to indicate a location relating to the means of transport, such as: - place or port of departure - next place or port of call.

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. 94 <i>Previous port of call</i> <i>Previous port which the vessel has called 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> <i>MAIN VESSEL PLACE/CALL PREVIOUS CODED</i> 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: **LOC** Place/Location Identification
Position: 0140
Group: SG3
Level: 2
Usage: Conditional (Required)
Max Use: 1
Purpose: A segment to indicate a location relating to the means of transport, such as: - place or port of departure - next place or port of call.

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. 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> <i>MAIN VESSEL PLACE/CALL NEXT CODED M</i>	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: **RFF** Reference
Position: 0150
Group: SG3
Level: 2
Usage: Conditional (Required)
Max Use: 1
Purpose: A segment to specify a reference as an additional identification of the means of transport, e.g. radio call sign of a vessel.

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>VM Vessel identification (8123) Reference identifying a vessel.</i>	M an..3	M
	1154	Reference identifier Identifies a reference. <i>MAIN VESSEL ID RCS (Radio Call Sign) M</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

Segment: **RFF** Reference
Position: 0150
Group: SG3
Level: 2
Usage: Conditional (Optional)
Max Use: 1
Purpose: A segment to specify a reference as an additional identification of the means of transport, e.g. radio call sign of a vessel.

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>ATZ Ship's stay reference number</i> <i>Reference number assigned by a port authority to the stay of a vessel in the port.</i>	M an..3	M
	1154	Reference identifier Identifies a reference.	C an..70	R
		MAIN OCEAN SHIP'S STAY 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

Segment: **FTX** Free Text
Position: 0170
Group: SG3
Level: 2
Usage: Conditional (Optional)
Max Use: 3
Purpose: A segment used for free text information, in coded or clear form.
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. ABA <i>Tariff statements</i> <i>Description of parameters relating to a tariff.</i> AGK <i>Equipment</i> <i>Description of equipment.</i> TDT <i>Transport details remarks</i> <i>[8012] Additional information related to transport details.</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	X
	4441	Free text identification Free text in coded form.	M 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
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. MAIN VESSEL EQUIPMENT INFO O FTX(AGK).4440 MAIN VESSEL VOYAGE INFO O FTX(TDT).4440 MAIN VESSEL FUEL INFO O FTX(ABA).4440 <i>(See attribute definitions for recommendation on use of the free text lines.)</i>	M an..512	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
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

Group: **NAD** Segment Group 4: Name and Address
Position: 0190
Group:
Level: 1
Usage: Conditional (Required)
Max Use: 1
Purpose: A group of segments to identify a party which could give further information on the conveyance of the means of transport.

Segment Summary

	Pos. No.	Seg. ID	Name	Req. Des.	Max. Use	Group: Repeat
M	0200	NAD	Name and Address	M	1	

Segment: **NAD** Name and Address
Position: 0200 (Trigger Segment)
Group: SG4
Level: 1
Usage: Mandatory
Max Use: 1
Purpose: A segment to identify a party's name, address and function from which further information can be obtained (e.g. port authority, harbour master).

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</i>	M an..35	M
	1131	Code list identification code Identification of a code list.	C an..17	X
	3055	Code list responsible agency code 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 & 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 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	M an..35	M

	identifier				
	To identify a street and number and/or Post Office box number.				
3042	Street and number or post office box	C	an..35	O	
	identifier				
	To identify a street and number and/or Post Office box number.				
3042	Street and number or post office box	C	an..35	O	
	identifier				
	To identify a street and number and/or Post Office box number.				
3042	Street and number or post office box	C	an..35	O	
	identifier				
	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: **NAD** Segment Group 4: Name and Address
Position: 0190
Group:
Level: 1
Usage: Conditional (Required)
Max Use: 1
Purpose: A group of segments to identify a party which could give further information on the conveyance of the means of transport.

Segment Summary

	Pos. No.	Seg. ID	Name	Req. Des.	Max. Use	Group: Repeat
M	0200	NAD	Name and Address	M	1	

Segment: **NAD** Name and Address
Position: 0200 (Trigger Segment)
Group: SG4
Level: 1
Usage: Mandatory
Max Use: 1
Purpose: A segment to identify a party's name, address and function from which further information can be obtained (e.g. port authority, harbour master).

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</i> M	M an..35	M
	1131	Code list identification code Code identifying a user or association maintained code list.	C an..17	X
	3055	Code list responsible agency code 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> 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 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	M an..35	M

	identifier				
	To identify a street and number and/or Post Office box number.				
3042	Street and number or post office box	C	an..35	O	
	identifier				
	To identify a street and number and/or Post Office box number.				
3042	Street and number or post office box	C	an..35	O	
	identifier				
	To identify a street and number and/or Post Office box number.				
3042	Street and number or post office box	C	an..35	O	
	identifier				
	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: **NAD** Segment Group 4: Name and Address
Position: 0190
Group:
Level: 1
Usage: Conditional (Required)
Max Use: 3
Purpose: A group of segments to identify a party which could give further information on the conveyance of the means of transport.
Notes: **Note: Max use count increased.*

Segment Summary

	Pos. No.	Seg. ID	Name	Req. Des.	Max. Use	Group: Repeat
M	0200	NAD	Name and Address	M	1	
	0210		Segment Group 5: Contact Information	C		1

Segment: **NAD** Name and Address
Position: 0200 (Trigger Segment)
Group: SG4
Level: 1
Usage: Mandatory
Max Use: 1
Purpose: A segment to identify a party's name, address and function from which further information can be obtained (e.g. port authority, harbour master).

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</i> M	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.</i> 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 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	M an..35	M

	identifier				
	To identify a street and number and/or Post Office box number.				
3042	Street and number or post office box	C	an..35	O	
	identifier				
	To identify a street and number and/or Post Office box number.				
3042	Street and number or post office box	C	an..35	O	
	identifier				
	To identify a street and number and/or Post Office box number.				
3042	Street and number or post office box	C	an..35	O	
	identifier				
	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: 0210
Group: Segment Group 4 (Name and Address) Conditional (Required)
Level: 2
Usage: Conditional (Required)
Max Use: 1
Purpose:

Segment Summary

	Pos.	Seg.		Req.	Max.	Group:
	No.	ID	Name	Des.	Use	Repeat
M	0220	CTA	Contact Information	M	1	
O	0230	COM	Communication Contact	C	3	

Segment: **CTA** **Contact Information**
Position: 0220 (Trigger Segment)
Group: SG4-SG5
Level: 2
Usage: Mandatory
Max Use: 1
Purpose: A segment to identify a person or 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	O
MAIN OCEAN CARRIER AGENT CONTACT NAME			M	

Segment: **COM** **Communication Contact**
Position: 0230
Group: SG4-SG5
Level: 3
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.		
		MAIN OCEAN CARRIER AGENT PHONE/FAX/EMAIL	O	
	3155	Communication address code qualifier	M an..3	M
		Code qualifying the communication address.		
		EM Electronic mail		
		FX Exchange of mail by electronic means.		
		TE Telefax		
		Device used for transmitting and reproducing fixed graphic material (as printing) by means of signals over telephone lines or other electronic transmission media.		
		TE Telephone		
		Voice/data transmission by telephone.		



Group: **DGS** Segment Group 6: Dangerous Goods
Position: 0240
Group:
Level: 1
Usage: Conditional (Optional)
Max Use: 99
Purpose: A group of segments to specify the details regarding waste and cargo residues.

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	0250	DGS	Dangerous Goods	M	1	
R	0260	MEA	Measurements	C	1	
R	0260	MEA	Measurements	C	1	
R	0260	MEA	Measurements	C	1	
O	0260	MEA	Measurements	C	1	
O	0260	MEA	Measurements	C	1	
O	0270	SGP	Split Goods Placement	C	999	
O	0280	FTX	Free Text	C	1	
O	0290	LOC	Place/Location Identification	C	1	
O	0290	LOC	Place/Location Identification	C	1	
O	0290	LOC	Place/Location Identification	C	1	
R	0300	DTM	Date/Time/Period	C	1	
O	0300	DTM	Date/Time/Period	C	1	
O	0305	NAD	Name and Address	C	1	

Segment: **DGS** Dangerous Goods
Position: 0250 (Trigger Segment)
Group: SG6
Level: 1
Usage: Mandatory
Max Use: 1
Purpose: A segment to specify the type of marine pollutant and its subdivision according to the MARPOL regulation (i.e. Maritime Pollution Regulation).

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.	C 1 an..3	R	
		<i>WASTE HAZARD REGULATIONS MARPOL</i> M			
		MAR MARPOL 73/78			
		*Note: Code added.			
C205		HAZARD CODE The identification of the dangerous goods in code.	C 1	R	
	8351	Hazard identification code Code identifying a hazard.	M an..7	M	
		<i>WASTE HAZARD REGULATIONS MARPOL ANNEX</i> M			
		I MARPOL Annex I (Oil in bulk)			
		II MARPOL Annex II (Noxious liquids in bulk)			
		IV MARPOL Annex IV (Sewage)			
		V MARPOL Annex V (Garbage)			
	8078	Additional hazard classification identifier To identify an additional hazard classification.	C an..7	R	
		<i>WASTE HAZARD REGULATIONS MARPOL ANNEX SUBDIVISION CODED</i> M			
		BIW Bilge water			
		BLW Black water			
		BWT Dirty ballast water			
		CAW Cargo associated waste			
		DCR Dry cargo residue			
		FDW Food waste			
		GRW Grey water			
		OTH Other waste (Annex II)			
		OTW Other waste (Annex V)			
		PLA Plastics			
		SDW Small dangerous waste [Annex V]			
		SLU Sludge			
		UEO Used engine oil			
		WWO Wash water oil, including cargo residue			
		WWT Wash water noxious liquids, including cargo residue			
	8092	Hazard code version identifier To identify the version number of a hazard code.	C an..10	X	
C234		UNDG INFORMATION Information on dangerous goods, taken from the United Nations Dangerous Goods classification.	C 1	O	
	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.	C n4	R	
		<i>WASTE HAZARD REFERENCE UN</i> O			
	7088	Dangerous goods flashpoint description To describe the flashpoint of dangerous goods.	C an..8	X	
C223		DANGEROUS GOODS SHIPMENT	C 1	X	

FLASHPOINT				
Temperature at which a vapor can be ignited as per ISO 1523/73.				
7106	Shipment flashpoint degree	C	n3	X
To specify the value of the flashpoint of a shipment.				
6411	Measurement unit code	C	an..8	X
Code specifying the unit of measurement.				
8339	PACKAGING DANGER LEVEL CODE	C	1 an..3	X
Code specifying the level of danger for which the packaging must cater.				
8364	EMERGENCY PROCEDURE FOR SHIPS IDENTIFIER	C	1 an..6	X
To identify the emergency procedure number for ships transporting dangerous goods. Synonym: EMS Number.				
8410	HAZARD MEDICAL FIRST AID GUIDE IDENTIFIER	C	1 an..4	X
To identify a Medical First Aid Guide (MFAG) for hazardous goods.				
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	X
Markings identifying the type of hazardous goods and similar information.				
8246	Dangerous goods marking identifier	C	an..4	X
To identify the marking of dangerous goods.				
8246	Dangerous goods marking identifier	C	an..4	X
To identify the marking of dangerous goods.				
8246	Dangerous goods marking identifier	C	an..4	X
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: **MEA** Measurements
Position: 0260
Group: SG6
Level: 2
Usage: Conditional (Required)
Max Use: 1
Purpose: A segment to specify the quantity of waste that is e.g. on board, to be discharged, to be generated during the voyage, or the waste storage capacity, for the MARPOL type and subdivision of goods as indicated in DGS. *Note: Purpose description changed.

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>COB Currently on board</i> <i>*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>MTQ Cubic metre</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). WASTE HAZARD VOLUME ON BOARD M</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	

Segment: **MEA** Measurements
Position: 0260
Group: SG6
Level: 2
Usage: Conditional (Required)
Max Use: 1
Purpose: A segment to specify the quantity of waste that is e.g. on board, to be discharged, to be generated during the voyage, or the waste storage capacity, for the MARPOL type and subdivision of goods as indicated in DGS. *Note: Purpose description changed.

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>DEL To be delivered</i> <i>*Note: 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>MTQ Cubic metre</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). WASTE HAZARD VOLUME TO BE DELIVERED</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	

Segment: **MEA** Measurements
Position: 0260
Group: SG6
Level: 2
Usage: Conditional (Required)
Max Use: 1
Purpose: A segment to specify the quantity of waste that is e.g. on board, to be discharged, to be generated during the voyage, or the waste storage capacity, for the MARPOL type and subdivision of goods as indicated in DGS. *Note: Purpose description changed.

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>ADG Storage limitation</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>MTQ Cubic metre</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). WASTE HAZARD VOLUME STORAGE CAPACITY M</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		

Segment: **MEA** Measurements
Position: 0260
Group: SG6
Level: 2
Usage: Conditional (Optional)
Max Use: 1
Purpose: A segment to specify the quantity of waste that is e.g. on board, to be discharged, to be generated during the voyage, or the waste storage capacity, for the MARPOL type and subdivision of goods as indicated in DGS. *Note: Purpose description changed.

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>GEN To be generated</i> <i>*Note: 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>MTQ Cubic metre</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). WASTE HAZARD VOLUME TO BE GENERATED</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	

Segment: **MEA** Measurements
Position: 0260
Group: SG6
Level: 2
Usage: Conditional (Optional)
Max Use: 1
Purpose: A segment to specify the quantity of waste that is e.g. on board, to be discharged, to be generated during the voyage, or the waste storage capacity, for the MARPOL type and subdivision of goods as indicated in DGS. *Note: Purpose description changed.

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</i> <i>[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>ROB Remain on board</i> <i>*Note: 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>MTQ Cubic metre</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> <i>WASTE HAZARD VOLUME TO REMAIN ON BOARD O</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	

Segment: **SGP** Split Goods Placement
Position: 0270
Group: SG6
Level: 2
Usage: Conditional (Optional)
Max Use: 999
Purpose: A segment to indicate the equipment in which the dangerous goods are loaded.

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	M 1	M
		Marks (letters and/or numbers) identifying equipment used for transport such as a container.		
	8260	Equipment identification number	C an..17	R
		Marks (letters and/or numbers) which identify equipment e.g. unit load device.		
		<i>WASTE HAZARD IN TANK ID O</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.		
	3207	Country, coded	C an..3	X
		Identification of the name of a country or other geographical entity as specified in ISO 3166.		
7224		NUMBER OF PACKAGES	C 1 n..8	X
		Number of individual parts of a shipment either unpacked, or packed in such a way that they cannot be divided without first undoing the packing.		

Segment: **FTX** Free Text
Position: 0280
Group: SG6
Level: 2
Usage: Conditional (Optional)
Max Use: 1
Purpose: A segment used for free text information, in coded or clear form related to the waste and cargo residues.

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 <i>Goods description</i> <i>[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).</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	X
	4441	Free text identification Free text in coded form.	M 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
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
		WASTE HAZARD ADDITIONAL SPECIFICATION TEXT	C	
	4440	Free text Free text field available to the message sender for information.	C an..512	X
	4440	Free text Free text field available to the message sender for information.	C an..512	X
	4440	Free text Free text field available to the message sender for information.	C an..512	X
	4440	Free text Free text field available to the message sender for information.	C an..512	X
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: **LOC** Place/Location Identification
Position: 0290
Group: SG6
Level: 2
Usage: Conditional (Optional)
Max Use: 1
Purpose: A segment to indicate locations relating to the waste and cargo residues.
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. 12 <i>Port of discharge</i> <i>Port at which the goods are discharged from the vessel used for their transport.</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> <i>WASTE HAZARD PLACE/DISCHARGE LAST CODED</i> O	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	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

Segment: **LOC** Place/Location Identification
Position: 0290
Group: SG6
Level: 2
Usage: Conditional (Optional)
Max Use: 1
Purpose: A segment to indicate locations relating to the waste and cargo residues.
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. WASTE HAZARD PLACE/DISCHARGE POC CODED O</i>	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	R	
	3223	First related location name code Code specifying first related location. <i>WASTE HAZARD PLACE/DISCHARGE POC BERTH CODED O</i> <i>Note: Use locally agreed code list for berth.</i>	C an..25	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	
	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: **LOC** Place/Location Identification
Position: 0290
Group: SG6
Level: 2
Usage: Conditional (Optional)
Max Use: 1
Purpose: A segment to indicate locations relating to the waste and cargo residues.
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. 152 <i>Next port of discharge</i> <i>Next port at which goods are discharged from the vessel used for their transport.</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> <i>WASTE HAZARD REMAINDER PORT/DELIVERY CODED</i> O	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: 0300
Group: SG6
Level: 2
Usage: Conditional (Required)
Max Use: 1
Purpose: A segment to indicate dates relating to the waste and cargo residues.
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	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.		
		35 <i>Delivery date/time, actual</i>		
		<i>Date/time on which goods or consignment are delivered at their destination.</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.		
		WASTE HAZARD PLACE/DISCHARGE D/T LAST	M	
	2379	Date or time or period format code	C an..3	R
		Code specifying the representation of a date, time or period.		
		102 <i>CCYYMMDD</i>		
		<i>Calendar date: C = Century ; Y = Year ; M = Month ; D = Day.</i>		

Segment: **DTM** Date/Time/Period
Position: 0300
Group: SG6
Level: 2
Usage: Conditional (Optional)
Max Use: 1
Purpose: A segment to indicate dates relating to the waste and cargo residues.
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. 191 <i>Delivery date/time, expected</i> <i>Date/time on which goods are expected to be delivered.</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. <i>WASTE HAZARD PLACE/DISCHARGE D/T EXPECTED</i>	C an..35	R
	2379	Date or time or period format code Code specifying the representation of a date, time or period. 102 <i>CCYYMMDD</i> <i>Calendar date: C = Century ; Y = Year ; M = Month ; D = Day.</i>	C an..3	R

Segment: **NAD** Name and Address
Position: 0305
Group: SG6
Level: 2
Usage: Conditional (Optional)
Max Use: 1
Purpose: To specify the name/address and their related function, either by C082 only and/or unstructured by C058 or structured by C080 thru 3207.

Dependency Notes:

Notes: *Note: Segment added.

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>AP Accepting party (3352) Party accepting goods, products, services etc.</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>WASTE COLLECTOR ID O</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
C058		NAME AND ADDRESS Unstructured name and address: one to five lines.	C 1	X
	3124	Name and address description Free form description of a name and address line.	M an..35	X
	3124	Name and address description Free form description of a name and address line.	C an..35	X
	3124	Name and address description Free form description of a name and address line.	C an..35	X
	3124	Name and address description Free form description of a name and address line.	C an..35	X
	3124	Name and address description Free form description of a name and address line.	C an..35	X
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 Name of a party.	C an..35	X
	3036	Party name Name of a party.	C an..35	X
	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	X
	3042	Street and number or post office box identifier To identify a street and number and/or Post Office box number.	M an..35	X

	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.			

Segment: **UNT** Message Trailer
Position: 0310
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 Annex - Code set for MARPOL ANNEX SUBDIVISION CODED

This annex contains the list of codes to be used in segment DGS, data element 8078 for the data attribute: *WASTE HAZARD REGULATIONS MARPOL ANNEX SUBDIVISION CODED*.

It is further indicated whether for a specific code also additional information *WASTE HAZARD ADDITIONAL SPECIFICATION TEXT* in the FTX segment should also be supplied or not. In case additional information is to be supplied the table shows what should be specified: an example of the name/kind of waste material or name of the waste product/mixture or proper shipping name.

Area in ship	MARPOL Annex - Code in DGS.8351	MARPOL Annex Subdivision coded - Code in DGS.8078	Specify Yes/No in text in FTX	In case of Yes Specify in text an Example or Remark - in FTX
Engine room	I (Oil)	SLU – Sludge	No	
	I	BIW - Bilge water	No	
	I	UEO - Used engine oil	No	
Cargo area	I	BWT - Dirty ballast water	No	
	I	WWO - Wash water oil, including cargo residue	Yes	<i>Product name, or mixture</i>
	II (Noxious liquids in bulk)	WWT - Wash water noxious liquids, including cargo residue	Yes	<i>Proper shipping name</i>
	II	OTH - Other waste (Annex II)	Yes	Sample bottles, residues in drums
	V (Garbage)	DCR - Dry cargo residue	Yes	Sweeping of cargo hold
	V	CAW - Cargo associated waste	Yes	Dunnage, Strap, Fumigation tablets
Accommodation	V	FDW - Food waste	No	
	V	PLA - Plastics	No	
	V	SDW - Small dangerous waste	No	
	V	OTW - Other waste (Annex V)	Yes	Incinerator ashes, Paint, Batteries, Oily rags, Fluorescent bulbs
	IV (Sewage)	BLW - Black Water (of sewage)	No	
	IV	GRW - Grey water (of sewage)	No	