

Entity	Data attribute	IFTDGN	Mapping	Definition / Condition
HEADER INFO				
	MESSAGE REFERENCE	M	BGM.1004	Reference number of the message instance assigned by the sender that must be unique for the sender within the message type and business application area.
	MESSAGE DATE/TIME	M	DTM(137).2379	Date and time at which the information supplied in the message has been created (local time). (This is not (necessarily) the time the message is processed, converted or sent. It is the date/time of the 'letter' and not the date/time of the 'postal stamp' on the envelop (which is in UNB).)
	MESSAGE FUNCTION INDICATOR	M	BGM.1225	<p>Coded indication of a change regarding a previously sent message, such as replacement of previous message, addition(s) to or deletion(s) from previous message. - The message function for a Original of a notification, a Replace or a Cancellation of a previously sent notification message will be supported by all Port Authorities participating in PROTECT. Implementations for other message function codes may differ from port to port.</p> <p>The message function codes for Addition of item(s) to, Deletion of item(s) from and Change of item(s) in a previously sent notification, all pertain to the consignment level (CNI group). So, these codes indicate that the consignment(s) in the current message are either to be added to, or to be deleted from, or to be changed in the referred previously sent notification message.</p> <p>Consequently, goods items can be added to (or deleted from or changed in) an earlier notified consignment by issuing a notification message with that consignment newly detailed in a CNI group with code for Change as message function code.</p>
	MESSAGE CHANGE REFERENCE PREVIOUS MESSAGE	C	RFF(ACW).1153	<p>Reference number assigned by the sender of the previously sent message instance to which the replacement (or other change(s)) apply.</p> <p><i>Condition: To be completed in case message is other than Original.</i></p>
	MESSAGE CHANGE REMARKS CODED	C	FTX(CHG).4441	<p>Coded indication of the (kind of) change(s) contained in this message with respect to the previously sent message.</p> <p><i>Condition: May only be completed in case message is other than Original.</i></p>
	DGN REFERENCE FORWARDER	O	RFF(FF).1154	
	DGN REFERENCE OCEAN CARRIER AGENT	O	RFF(AAY).1154	
	DGN REMARKS GENERAL	O	FTX(ACB).4440	Free text remarks related to the notification message as a whole.

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	DGN SECURITY FILE REFERENCE	O	RFF(ALG).1154	Reference allocated by an authority in order to control the dangerous goods on board a specific means of transport for dangerous goods security purposes.
	DGN TYPE CODED	M	BGM.1001	Code for the type of dangerous goods notification that the message contains.
	GOODS HANDLING INFO CODED	C	HAN.4079	Coded indication of the handling action performed on the goods. <i>Condition: The Goods handling info coded is to be completed either on message level (Applicable to all consignments in the message) or on consignment level for each individual consignment separately.)</i>
	MAIN VESSEL CERTIFICATE/FITNESS AVAILABLE INDICATOR	O	FTX(COF)	Indicator that the certificate of fitness is available on board the main carriage vessel.
	MAIN VESSEL CERTIFICATE/FITNESS STOWAGE INDICATOR	O	FTX(COS)	Indicator that the stowage of the goods on board the main carriage vessel is in conformance with the stipulation in the certificate of fitness.
	MAIN VESSEL CERTIFICATE/SOLAS AVAILABLE INDICATOR	O	FTX(SOL)	Indicator that the SOALS Certificate is available on board the main carriage vessel.
	MAIN VESSEL REPORTS DEFECT INDICATOR	O	FTX(AFJ)	Indicator that there are relevant defects to the vessel, vessel's equipment or cargo (e.g. hull damage, engine defects).
	EMERGENCY INSTRUCTION AVAILABLE INDICATOR	O	FTX(EMR)	Indicator that all relevant emergency instructions are available and in the possession of the (port) authority.
VESSEL-VOYAGE INFO:				
	MAIN OCEAN SHIP'S STAY REFERENCE	O	RFF(ATZ).1153 in TDT group	Reference number assigned by the authority in the port to a certain call of the vessel in that port.
	MAIN OCEAN VOYAGE REF	O	TDT(20).(1).8028	Voyage number assigned by the carrier or his agent.
	MAIN VESSEL D/T ETA POC	C	DTM(132).2379 in TDT group	Expected date/time of arrival of the main carriage vessel in the port of call (where this notification message is issued), expressed in local time. <i>Condition: In case of sea mode of transport the arrival date/time, estimated should be completed.</i>
	MAIN VESSEL D/T ETD POC	O	DTM(133).2379 in TDT group	Expected time of departure of the main carriage vessel in the port of call (where this notification message is issued), expressed in local time.

Entity	Data attribute	IFTDGN	Mapping	Definition / Condition
	MAIN VESSEL ID LRN	C	TDT(20).(1).8213	Identification of the main carriage vessel according to Lloyd's Register of Shipping (LRS). <i>Condition: In case of sea mode of transport this data element should be completed with the identification of the vessel according to Lloyd's Register of Shipping (LRS).</i>
	MAIN VESSEL ID RCS	C	REF(VM).1153 in TDT group	Radio Call Sign of the main carriage vessel according the ITU. Note: Should be completed without spaces or hyphens. <i>Condition: In case of sea mode of transport the Radio Call Sign should be completed.</i>
	MAIN VESSEL NAME	C	TDT(20).(1).8212	Name of the main carriage vessel. <i>Condition: In case of sea mode of transport this data element should be completed.</i>
	MAIN VESSEL NATIONALITY CODED	C	TDT(20).(1).8453	Code for nationality of the pre-carriage vessel according to UN Country code. <i>Condition: In case of sea mode of transport this data element should be completed.</i>
	MAIN VESSEL PORT/CALL NEXT CODED	O	LOC(61).3225, in TDT(20) group	Code for the next port of call of the main carriage vessel.
	MAIN VESSEL PORT/CALL NEXT NAME	O	LOC(61).3224 in TDT(20) group	Name of the next port of call of the main carriage vessel.
	MAIN VESSEL PORT/ORIGIN CODED and NAME	O	LOC(PPO) in TDT(20) group	Code and name of the port where the voyage of the main carriage vessel started.
	MAIN VESSEL PORT/CALL CODED	M	LOC(153).3225, 3223 in TDT(20) group	Code for the port of call where a main carriage vessel will moor (and for which this notification message is issued).
	MAIN VESSEL TRANSPORT LICENSE NUMBER	O	RFF(ALH) in TDT(20) group	License number allocated by an authority as to the permission of carrying dangerous goods by a specific means of transport.
	MAIN VESSEL TYPE CODED	O	TDT(20).(1).8179	Code for vessel type according to the Lloyd's Register of Shipping's code table for vessel types.
	MAIN VESSEL TYPE DESCR	O	TDT(20).(1).8178	Description of the type of the vessel.
	MAIN VESSEL VOYAGE REF ALTERNATIVE	O	RFF(VON).1153 in TDT group	Carrier agent's voyage number if different from Carrier voyage number in TDT 8028.
PARTIES INFO:				

Entity	Data attribute	IFTDGN	Mapping	Definition / Condition
	FORWARDER CONTACT NAME	O	CTA(IC) in NAD group	
	FORWARDER CONTACT PHONE/FAX/EMAIL	O	COM.3148 in NAD/CTA group	
	FORWARDER ID and NAME & ADDRESS, etc.	O	NAD(FW).3039, 3124 etc	
	MAIN OCEAN CARRIER AGENT CONTACT NAME	O	CTA(IC).3412 in NAD group	
	MAIN OCEAN CARRIER AGENT CONTACT PHONE/FAX/EMAIL	O	COM.3148 in NAD/CTA group	
	MAIN OCEAN CARRIER AGENT ID	M	NAD(CG).3039	
	MAIN OCEAN CARRIER AGENT NAME & ADDRESS, etc.	C	NAD(CG).3124 etc	
	MAIN OCEAN CARRIER CONTACT NAME	O	CTA(IC).3412 in NAD group	
	MAIN OCEAN CARRIER CONTACT PHONE/FAX/EMAIL	O	COM.3148 in NAD/CTA	
	MAIN OCEAN CARRIER ID	O	NAD(CA).3029	Identification of the carrier/ship-owner of the main carriage vessel according to the SCAC code list (Standard Carrier Alpha Code).
	MAIN OCEAN CARRIER NAME & ADDRESS, etc.	C	NAD(CA).3124 etc	
	MESSAGE ACKNOWLEDGEMENT RECIPIENT CONTACT NAME	O	CTA(IC).3412 in NAD group	
	MESSAGE ACKNOWLEDGEMENT RECIPIENT ID	O	NAD(AK).3039	
	MESSAGE ACKNOWLEDGEMENT RECIPIENT NAME & ADDRESS, etc.	C	NAD(AK).3124 etc	
	MESSAGE NOTIFY CONTACT NAME	O	CTA(IC).3412 in NAD(N1) group	
	MESSAGE NOTIFY CONTACT PHONE/FAX/EMAIL	O	COM in NAD(N1)/CTA(IC) group	
	MESSAGE NOTIFY ID	O	NAD(N1).3039	
	MESSAGE NOTIFY NAME & ADDRESS	O	NAD(N1).3124 etc	

Entity	Data attribute	IFTDGN	Mapping	Definition / Condition
	MESSAGE RECIPIENT CONTACT NAME	O	CTA(IC).3412 in NAD(MS) group	
	MESSAGE RECIPIENT CONTACT PHONE/FAX/EMAIL	O	COM in NAD(MS)/CTA(IC) group	
	MESSAGE RECIPIENT ID	M	NAD(MR).3039	
	MESSAGE RECIPIENT NAME & ADDRESS, etc.	C	NAD(MR).3124 etc	
	MESSAGE SENDER CONTACT NAME	O	CTA(IC).3412 in NAD	
	MESSAGE SENDER CONTACT PHONE/FAX/EMAIL	O	COM.3148 in NAD(MS)/CTA(IC) group	
	MESSAGE SENDER ID	M	NAD(MS).3029	
	MESSAGE SENDER NAME & ADDR, etc.	C	NAD(MS).3124 etc.	
EQUIPMENT INFO		O,999		
	CONTAINER EMPTY INDICATOR	O	EQD(CN).8169	Indication that the container is empty, in case the container is contaminated or carries residue cargo.
	CONTAINER ID PREFIX & NO	O	EQD(CN).8260	Unique identification of the container (Consisting of a prefix and a serial number).
	CONTAINER TYPE/SIZE CODED and DESCR	O	EQD(CN).8155 and 8154	For ISO containers the ISO size/type code is to be used.
CONSIGNMENT INFO		M,9999		
	CONSIGNMENT ID REFERENCE	O	CNI.1004	Identification number of the consignment. In case the handling action is Discharge or Transit e.g. the number of the Bill of Lading; in case the handling action is Load e.g. the carrier/carrier's agent Booking reference number.
	CONSIGNMENT ID SERIAL	M	CNI.1490	Serial number of the consignment, identifying each entry uniquely within the message. In case of an update or a deletion message (BGM 1225) the same consignment should be identified by the same Consignment ID Serial number as in the previous message. In case of an addition of a consignment (BGM 1225) the consignment should be identified with a Consignment ID Serial number not yet used in previous messages.
	CONSIGNMENT REFERENCE FORWARDER	O	RFF(FF).1154 in CNI/NAD group	Reference number assigned to the consignment by the freight forwarder.
	CONSIGNMENT REFERENCE OCEAN CARRIER AGENT	O	RFF(AAY).1154 in CNI/NAD group	Reference number assigned to the consignment by the ocean carrier's agent.

Entity	Data attribute	IFTDGN	Mapping	Definition / Condition
	GOODS HANDLING D/T EXPECTED	C	DTM(369).2380 in CNI group	The date/time or period (expressed in local time) when the handling action is estimated to take place. (Note: e.g. the operation/handling action on the goods such as loading or discharging.) <i>Condition: To be completed in case handling action is other than re-stow and transit.</i>
	GOODS HANDLING INFO CODED	C	HAN.4079 in CNI group	Coded indication of the handling action performed on the goods. <i>Condition: The Goods handling info coded is to be completed either on message level (Applicable to all consignments in the message) or on consignment level for each individual consignment separately.)</i>
	PLACE TERMINAL CODED	O	LOC(200).3223.(TER) in CNI group	Place of the terminal in port where goods are stored. (Completed in two composite data elements in LOC segment for respectively: - UNLOCODE for port, terminal location in port). - Use locally agreed codes.
	PLACE WAREHOUSE CODED	O	LOC(200).3223.(WA R) in CNI group	Place or area in a port not directly related to the waterside where goods are stored. (Completed in two composite data elements in LOC segment for respectively: UNLOCODE for port, warehouse location in port). Use locally agreed codes.)
	PLACE/DISCHARGE CODED and NAME MAIN VESSEL	O	LOC(11).3225, 3224 in CNI group	Place/port where the consignment will be discharged from the main carriage vessel.
	PLACE/LOADING CODED and NAME MAIN VESSEL	O	LOC(9).3225, 3224 in CNI group	Place/port where the consignment will be loaded in the main carriage vessel.
	MAIN VESSEL POC BERTH CODED or/and NAME, JETTY NR	O	LOC(153).3225, 3223, 3222, 3233 in CNI group	Place or location in the port of call where a main carriage vessel is moored. (Completed in three composite data elements in LOC segment for respectively: UNLOCODE for port of call, Berth, jetty number).
	MAIN VESSEL TRANSPORT LICENSE NUMBER	O	RFF in CNI/TDT(10,30) group	License number allocated by an authority as to the permission of carrying dangerous goods by a specific means of transport.
TRANSPORT DETAILS TO THE CONSIGNMENT				
	ON-CARR MODE/TRANSPORT CODED	O	TDT(30).8067 in CNI group	Code for the mode of transport of the on-carriage transport means.
	ON-CARR OCEAN SHIP'S STAY REFERENCE	O	RFF(ATZ).1154 in CNI/TDT group	
	ON-CARR OCEAN VOYAGE REF	O	TDT(30).8028 in CNI group	

Entity	Data attribute	IFTDGN	Mapping	Definition / Condition
	ON-CARR TRAIN/TRACK ID	O	TDT(30).8028 in CNI group	
	ON-CARR TRUCK ID	O	TDT(30).8213 in CNI group	
	ON-CARR VESSEL D/T ETD POC	O	DTM(133).2380 in CNI.TDT group	Estimated date/time of departure (expressed in local time) of the On-carriage transport means used for the consignment.
	ON-CARR VESSEL ID LRN	O	TDT(30).8213 in CNI group	Identification of the on-carriage vessel according to Lloyd's Register of Shipping (LRS).
	ON-CARR VESSEL ID RCS	O	REF(VM).1153 in CNI/TDT(30) group	
	ON-CARR VESSEL NAME	O	TDT(30).8212 in CNI group	
	ON-CARR VESSEL NATIONALITY CODED	O	TDT(30).8453 in CNI group	Code for nationality of the on-carriage vessel according to UN Country code.
	PRE-CARR MODE/TRANSPORT CODED	O	TDT(10).8067 in CNI group	Code for the mode of transport of the pre-carriage transport means.
	PRE-CARR OCEAN SHIP'S STAY REFERENCE	O	RFF(ATZ).1154 in CNI/TDT group	
	PRE-CARR OCEAN VOYAGE REF	O	TDT(10).8028 in CNI group	
	PRE-CARR TRAIN/TRACK ID	O	TDT(10).8028 in CNI group	
	PRE-CARR TRUCK ID	O	TDT(10).8213 in CNI group	
	PRE-CARR VESSEL D/T ETA POC	O	DTM(132).2380 in CNI.TDT group	Expected date/time of arrival (expressed in local time) of the Pre-carriage transport means used for the consignment.
	PRE-CARR VESSEL ID LRN	O	TDT(10).8213 in CNI group	Identification of the pre-carriage vessel according to Lloyd's Register of Shipping (LRS).
	PRE-CARR VESSEL ID RCS	O	REF(VM).1153 in CNI/TDT(10) group	
	PRE-CARR VESSEL NAME	O	TDT(10).8212 in CNI group	Name of the pre-carriage vessel.
	PRE-CARR VESSEL NATIONALITY CODED	O	TDT(10).8453 in CNI group	Code for nationality of the pre-carriage vessel according to UN Country code.
PARTIES TO THE CONSIGNMENT				

Entity	Data attribute	IFTDGN	Mapping	Definition / Condition
	CONSIGNEE NAME & ADDRESS	O	NAD(CN).3124 in CNI group	
	CONSIGNOR NAME & ADDRESS	O	NAD(CZ).3039, 3124 in CNI group	
	EMERGENCY RESPONSE CONTACT NAME	O	CTA(HE).3412 in CNI/NAD group	Name of person or department to be contacted in case of an emergency with the dangerous goods (of the consignment).
	EMERGENCY RESPONSE CONTACT PHONE/FAX/E-MAIL	O	COM.3148 in CNI/NAD/CTA(HE) group	Phone or Fax number or e-mail address of the contact person or department to be contacted in case of an emergency with the dangerous goods (of the consignment).
	EMERGENCY RESPONSE ID and NAME & ADDRES	O	NAD(FU) in CNI group	Name and address of the company to be contacted in case of an emergency with the dangerous goods (of a consignment).
	FORWARDER CONTACT NAME	O	CTA in CNI/NAD group	
	FORWARDER CONTACT PHONE	O	COM.3148 in CNI/NAD/CTA group	
	FORWARDER ID and NAME & ADDRESS	O	NAD(FW).3039, 3124 in CNI group	
	MAIN OCEAN CARRIER AGENT CONTACT NAME	O	CTA(IC).3412 in CNI/NAD group	
	MAIN OCEAN CARRIER AGENT CONTACT PHONE	O	COM.3148 in CNI/NAD/CTA group	
	MAIN OCEAN CARRIER AGENT ID and NAME & ADDRESS	O	NAD(CG).3039, 3124 in CNI group	
	TERMINAL OPERATOR NAME & ADDRESS	O	NAD(TR).3039, 3124 in CNI group	
GOODS ITEM INFO:		M,999		
	GOODS ID SERIAL	M	GID.1496 in CNI group	

Entity	Data attribute	IFTDGN	Mapping	Definition / Condition
	GOODS PACKAGE TYPE OUTER CODED and DESCR	C	GID.7065,7065(1st) in CNI group	Code/description for the type of the self-contained units in which the goods item is presented. Codes for the Outer Type of Package are to be according to the code set in UN/ECE Recommendation No. 21 (1994), (Codes for types of cargo, packaging and packaging materials) for Types of package/packaging: - either the 2-alpha code list in Annex V (and VI); - or the code list in Annex VII (based on the 1993 edition of the Recommendation on the Transport of Dangerous Goods ('Orange Book'), section 9.4. <i>Condition: Should be completed in case the notification pertains to a non-bulk notification.</i>
	GOODS PACKAGE TYPE INNER CODED and DESCR	O	GID.7065,7065(3rd) in CNI group	Code/description for the type of the non-self-contained units within the self-contained units (the (most) inner packaging within outer or within any intermediate packaging). - Codes for the Inner Type of Package are to be according to the code set in UN/ECE Recommendation No. 21 (1994), (Codes for types of cargo, packaging and packaging materials) for Types of package/packaging:- either the 2-alpha code list in Annex V (and VI); - or the code list in Annex VII (based on the 1993 edition of the Recommendation on the Transport of Dangerous Goods ('Orange Book'), section 9.4.
	GOODS PACKAGE TYPE OUTER TOTAL NUMBER	C	GID.7224(1st) in CNI group	Total number of the self-contained units in which the goods item is presented. <i>Condition: Should be completed in case the notification pertains to a non-bulk notification.</i>
	GOODS PACKAGE TYPE INNER TOTAL NUMBER	O	GID.7224(3rd) in CNI group	Total number of the non-self-contained units within the self-contained units in which the goods item is presented.
	GOODS DESCRIPTION	O	FTX(AAA).4440 in CNI/GID group	
	GOODS CARGO TYPE CODED	O	FTX(AAA).4441 in CNI/GID group	Code for the type of cargo of the goods item. Note: Codes for Type of Cargo according to the UN/ECE Recommendation No. 21.
	GOODS REMARKS GENERAL	O	FTX(ACB).4440 in CNI/GID group	Free text remarks related to the goods item.

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	GOODS TANK CLEANING INFO	O	FTX(ACB).4440 in CNI/GID group	In case the handling action is Cargo Tank Cleaning, the C108 data elements are recommended to be used as follows (in sequence and format): -1st 4440: Cleaning method, in free text (e.g. Washing, venting. Pre-washing, crude oil washing, steaming). -2nd 4440: Destination of the wash water (e.g. in stowage hold, to lighter). -3rd 4440: Receiving party of the wash water. -4th 4440: Indication of cleaning procedure to be followed e.g. 'Cleaning according to P+A' (Procedure and Arrangements).
	GOODS MARKS & NUMBERS	O	PCI.7102 in CNI/GID group	
DANGEROUS GOODS INFO		M, 1		
	GOODS HAZARD FLASHPOINT UNIT	C	DGS.6411 in CNI/GID group	Code for the unit in which the flashpoint is expressed. <i>Condition: Should be used when flashpoint is completed.</i>
	GOODS HAZARD FLASHPOINT	C	DGS.7106 in CNI/GID group	The flashpoint is the closed cup test flashpoint as per ISO 1523/73 <i>Condition: To be completed in case of IMO Class 3.</i>
	GOODS HAZARD REFERENCE UNDG	M	DGS.7124 in CNI/GID group	If the UNDG number is not assigned then the value 0000 is to be completed.
	GOODS HAZARD REGULATIONS PAGE NO	O	DGS.8078 in CNI/GID group	Number of the page within the applicable hazardous goods regulations book, detailing the classification of the concerning hazardous material.
	GOODS HAZARD REGULATIONS AMENDMENT NO	O	DGS.8092 in CNI/GID group	Number of the applicable Amendment to the IMO Regulation, (value e.g. 29 for Amendment No. 29), may be completed during a transition period in which two Amendments are valid).
	GOODS HAZARD REGULATIONS SUBSIDIARY RISK	O	DGS.8246 in CNI/GID group	Identification of the Subsidiary Risk (besides the primary risk identified in the REGULATIONS CLASS) according to the applicable dangerous goods regulation, also being additional Marking as (to be) attached on the hazardous goods according to the applicable hazardous goods regulations.
	GOODS HAZARD REGULATIONS CODED	M	DGS.8273 in CNI/GID group	Code indicating the regulation, international or national, applicable for a means of transport.
	GOODS HAZARD PACKING GROUP CODED	O	DGS.8339 in CNI/GID group	Coded indication of the packaging group in which the hazardous goods are classified according to the applicable hazardous goods regulation.
	GOODS HAZARD REGULATIONS CLASS	M	DGS.8351 in CNI/GID group	Classification of the hazardous material according to the hazardous goods regulations of the concerning mode of transport. If class of hazard according to the regulation is not assigned then the value 0.00 is to be completed.

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	GOODS HAZARD REFERENCE EMS	O	DGS.8364 in CNI/GID group	Reference to the section in the publication "Emergency procedures for ships carrying dangerous goods" applicable to the hazardous goods. The format to represent e.g. the EmS Fire number F-B and EmS Spillage number S-X, is recommended as follows: FB/SX.
	GOODS HAZARD REFERENCE MFAG	O	DGS.8410 in CNI/GID group	Reference to the section in the publication "Medical first aid guide" applicable to the hazardous goods.
	GOODS HAZARD MARPOL INDICATOR	O	FTX(AAC).4441 in CNI/GID/DGS group	Coded indication of the degree that the dangerous goods is marine pollutant.
	GOODS HAZARD INFO ADDITIONAL	O	FTX(AAC).4441(=A).4440 in CNI/GID/DGS group	<p>Additional dangerous goods information that cannot be classified (e.g. no open fire, take care of your eyes, do not mix with..., and Number and kind of packages in this dangerous goods class). May also be used for EmS and MFAG numbers additional to those specified in the DGS segment. (e.g. "EMS: FB/S-Y" or "MFAG: 735").</p> <p><i>Condition: For the Goods Hazard either the Info Additional or Fumigation Info or MARPOL Info or Radioactive Info may be completed.</i></p>

Entity	Data attribute	IFTDGN	Mapping	Definition / Condition
	GOODS HAZARD FUMIGATION INFO	O	FTX(AAC).4441(=F).4440 in CNI/GID/DGS group	<p>In case of containerized cargo under fumigation or in case of a vessel's hold is fumigated with a gas or a substance that vapors gas, the C108 data elements are recommended to be used as follows (in sequence and format):</p> <ul style="list-style-type: none"> -1st 4440: date of fumigation, in format CCYYMMDD, followed by a slash "/", followed by the name of the port/place where the treatment with the fumigating substance took place (e.g. "20020531/SEVILLA"). -2nd 4440: name of fumigant, in free text (e.g. "PHOSGENE"). -3rd 4440: for containerized cargo: amount of fumigant (including unit such as KGM, or %VOL for volume percentage); for bulk cargo: number of the hold, followed by a equal sign "=", followed by the measured value in particles per million for that hold. This combination of the number of a hold and the measured value in that hold can be repeated for each hold in which the concentration is measured, after adding a double slash "/" (e.g. hold 2S with measured value 5 ppm, hold 2C with measured value 11 and hold 2P with measured value 40 ppm is represented as: "2S=5//2C=11//2P=40"). -4th 4440: numbers of the holds that are vented after treatment with fumigating substance, separated by a slash "/" (e.g. hold 2S and hold 2C are represented as "2S/2C"). -5th 4440: indication that suitable gas measuring equipment is on board, values: "YES" or "NO". <p><i>Condition: For the Goods Hazard either the Info Additional or Fumigation Info or MARPOL Info or Radioactive Info may be completed.</i></p>

Entity	Data attribute	IFTDGN	Mapping	Definition / Condition
	GOODS HAZARD MARPOL INFO	O	FTX(AAC).4441(=P or PP).4440 in CNI/GID/DGS group	<p>In case of Transport of noxious or polluting bulk liquids (as required under MARPOL), the C108 data elements are recommended to be used as follows (in sequence and format):</p> <ul style="list-style-type: none"> - 1st 4440: Marpol Annex applicable to this substance: "MARPOL-I" or "MARPOL-II". - 2nd 4440: In case of annex II the category assigned under this annex: "A", "B", "C", "D", "APP3", or these categories within brackets or square brackets "[]" for provisional assigned substances. - 3rd 4440: Required ship-type for the substance as defined in the IBC code: "1", "2", "3" or "N.A." (=not applicable). In case substances transported under the proper shipping name "NOXIOUS LIQUID N.O.S." : the assigned N.O.S. position as stated in MEPC Circular 2 (N.O.S. positions 1 to 18). - 4th 4440: Transport temperature. <p><i>Condition: For the Goods Hazard either the Info Additional or Fumigation Info or MARPOL Info or Radioactive Info may be completed.</i></p>
	GOODS HAZARD RADIOACTIVE INFO	O	FTX(AAC).4441(=R).4440 in CNI/GID/DGS group	<p>In case of Radioactive materials (IMO Class 7), the C108 data elements are recommended to be used as follows (in sequence and format):</p> <ul style="list-style-type: none"> - 1st 4440: Name of the Radionuclide (ref.: chapter 8.1 item 5) (deleted here is: "Schedule number(s) under which the consignment is to be shipped"). - 2nd 4440 Category of the packages (ref.: Chapter 6.2): "I" (=White), "II" (=Yellow), or "III" (=Yellow).) - 3rd 4440: Identification mark for competent authority approval certificate applicable to the consignment. Each certificate shall be identified by an identification mark of the following general format (ref.: chapter 8.1 item 14 and 8.3.4.): VRI/number/type code, where: <ul style="list-style-type: none"> * VRI means the Vehicle identification; * Number means a unique number issued by the authority and clearly related to the design approval identification mark; * Type code means a code as specified in 8.3.4.3: "AF". - 4th 4440: Condition / description of the physical and chemical form of the material(ref.: chapter 8.1 item 9): "LIQUID", "GAS", "SOLID", etc. - 5th 4440: Free <p><i>Condition: For the Goods Hazard either the Info Additional or Fumigation Info or MARPOL Info or Radioactive Info may be completed.</i></p>

Entity	Data attribute	IFTDGN	Mapping	Definition / Condition
	GOODS HAZARD CHEMICAL/TECHNICAL NAME	M	FTX(AAD).4440 in CNI/GID/DGS group	Correct technical name is known as 'Recognized chemical name' in IMO Documentation. It is strongly recommended to supply the Dangerous Goods Technical name in English language according to the IMO's IMDG Code.
	GOODS HAZARD LIMITED QUANTITIES INDICATOR	O	FTX(AAD).4441 in CNI/GID/DGS group	Indication that the transport of the dangerous goods in limited quantities takes place under the provisions allowed for under chapter 18 of the IMO IMDG code (normally dangerous goods in small packages such as bottles).
	GOODS HAZARD RADIOACTIVE CRITICALITY SAFETY INDEX	C	MEA(AAE)(T20).6314 in CNI/GID/DGS group	The criticality safety index, assigned to fissile material, is a number which is used to provide control over the accumulation of packages containing fissile material. Ref.: IMO Class 7, chapter 2.7.6.2. <i>Condition: To be completed in case of IMO Class 7.</i>
	GOODS HAZARD RADIOACTIVE INDEX OF TRANSPORT	C	MEA(AAE)(AEN).6314 in CNI/GID/DGS group	The index of transport determines the maximum radiation level at a distance of 1m from the external surface. Ref.: IMO Class 7, chapter 2.7.6.1. <i>Condition: To be completed in case of IMO Class 7.</i>
	GOODS HAZARD RADIOACTIVITY	C	MEA(AAE)(AEO).6314 in CNI/GID/DGS group	Activity of radioactive material. Ref.: IMO Class 7, chapter 2.7.7.2. <i>Condition: To be completed in case of IMO Class 7.</i>
	GOODS HAZARD WEIGHT GROSS	O	MEA(AAE).(G).6314 in CNI/GID/DGS group	Gross weight of the dangerous goods including their packing, but without the equipment used by the carrier for their transport.
	GOODS HAZARD WEIGHT NET	O	MEA(AAE)(AAL).6314 in CNI/GID/DGS group	Net weight of the dangerous goods excluding their packing and excluding the equipment used by the carrier for their transport.
	GOODS HAZARD WEIGHT NET EXPLOSIVE	O	MEA(AAE)(T19).6314 in CNI/GID/DGS group	Weight (mass) of the explosive part or substance of goods without any packing.
	GOODS HAZARD WEIGHT UNIT	C	MEA in CNI/GID/DGS group	Code for the unit in which the weight is expressed. <i>Condition: Should be used when weight is completed.</i>
	GOODS HAZARD AUTHORIZATION NUMBER	O	RFF(ALF).1154 in CNI/GID/DGS group	Reference number allocated by an authority. This number contains an approval concerning an exception on the existing dangerous goods regulation.
DG STOWAGE POSITION		O,99		

Entity	Data attribute	IFTDGN	Mapping	Definition / Condition
	GOODS HAZARD AT STOWAGE PLACE MAIN	O	LOC(147).3225 in CNI/GID/DGS group	Place at which the hazardous goods are stowed/loaded in the main carriage transport means (such as vessel or barge) by which the goods are (to be) shipped in case the goods are not contained in container/equipment . The following formats for Stowage cells are recommended: * Container vessels as per ISO standard: Bay/Row/Tier in format: BBBRRTT. If Bay number is less than 3 characters it must be filled with leading zeros, e.g. "0340210". * Feeder vessels as per ISO standard: Hatch/Tier/Row in format: HHHTTRR. If hatch number is less than 3 characters it must be filled with leading zeroes. * RO-RO vessels : Deck/Bay/Row/Tier in format: DDBBBRRTT. * General cargo vessels : 3 to 9 characters, format: - firstly 3 characters (mandatory) for the cell number (01, 02, etc. with a further indication: S (starboard), P (Portside) or C (Centre)); - secondly 3 characters (optional) for the indication of the deck level: WED = weather deck, TD9 = tween deck 9, ..., TD1 = tween deck 1, LOH = lower hold - thirdly 3 characters (optional) for a further indication within a hold, e.g. hatch covers. * Tanker vessels : tank number.
	GOODS HAZARD AT STOWAGE PLACE MAIN HATCHCOVER NUMBER	O	LOC(147).3223 in CNI/GID/DGS group	Hatch cover number, format HHH, may be specified in case the hatch cover number is not included in the stowage cell and the vessel is equipped with hatch covers.
	GOODS HAZARD AT STOWAGE PLACE MAIN HATCHCOVER STATUS	O	LOC(147).3222 in CNI/GID/DGS group	Hatch cover status, values 'OPEN' or 'CLOSED', may be specified in case the vessel is equipped with hatch covers and it is required to report whether the hatch cover is open or closed.
SPLIT DANGEROUS GOODS		O, 99		
	GOODS HAZARD IN CONTAINER ID PREFIX & NO	O	SGP.8260 in CNI/GID/DGS group	Unique identification of the container (Consisting of a prefix and a serial number), in which the dangerous goods are contained.
	GOODS HAZARD IN CONTAINER PACKAGE TOTAL NUMBER	O	SGP.7224 in CNI/GID/DGS group	Total number of outer packages of the (dangerous) goods item loaded in the container.
	GOODS HAZARD IN CONTAINER RADIOACTIVE CRITICALITY SAFETY INDEX	O	MEA(AAE)(T20).6314 in CNI/GID/DGS/SGP group	The criticality safety index of packages containing fissile material that are contained in the container.

Entity	Data attribute	IFTDGN	Mapping	Definition / Condition
	GOODS HAZARD IN CONTAINER RADIOACTIVE INDEX OF TRANSPORT	O	MEA(AAE)(AEN).6314 in CNI/GID/DGS/SGP group	
	GOODS HAZARD IN CONTAINER RADIOACTIVITY	O	MEA(AAE)(AEO).631 4 in CNI/GID/DGS/SGP group	
	GOODS HAZARD IN CONTAINER WEIGHT GROSS	O	MEA(AAE).(G).6314 in CNI/GID/DGS/SGP group	Gross weight of the dangerous goods in the container including their packing, but without the equipment used by the carrier for their transport.
	GOODS HAZARD IN CONTAINER WEIGHT NET	O	MEA(AAE)(AAL).6314 in CNI/GID/DGS/SGP group	Net weight of the dangerous goods in the container excluding their packing and excluding the equipment used by the carrier for their transport.
	GOODS HAZARD IN CONTAINER WEIGHT NET EXPLOSIVE	O	MEA(AAE)(T19).6314 in CNI/GID/DGS/SGP group	Weight (mass) of the explosive part or substance of goods in the container without any packing.
	GOODS HAZARD IN CONTAINER WEIGHT UNIT	C	MEA(xx).6411 in CNI/GID/DGS/SGP group	Code for the unit in which the weight is expressed. <i>Condition: Should be used when weight is completed.</i>

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