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Standard for

Electronic Ship Reporting in Inland Navigation

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Contents

Annexes

Abbreviations

ADN	European Agreement Concerning the International Carriage of Dangerous Goods by Inland Waterways (EU Council Directive 94/95/EC)
ADNR	Réglement pour le transport de matières dangereuses sur le Rhin
AIS	Automatic Identification System
ATIS	Automatic Transmitter Identification System
BICS	Binnenvaart Informatie en Communicatie Systeem (Electronic Reporting System)
CN	Combined Nomenclature (on Goods)
CUSCAR	Customs Cargo Report (Message)
CUSDEC	Customs Declaration (Message)
ECDIS	Electronic Chart Display and Information System
EDI	Electronic Data Interchange
EDIFACT	Electronic Data Interchange for Administration, Commerce and Transport
ENI	Unique European Vessel Identification Number
ERI	Electronic Reporting International
ERINOT	ERI Notification (Message)
ERIRSP	ERI Response (Message)
ERN	Electronic Reporting Number
HS	Harmonized System Code
IFTDGN	International Forwarding and Transport Dangerous Goods Notification (Message)
IFTMIN	Instruction (Message)
IMDG	IMO Dangerous Goods (Number)
IMO	International Maritime Organization
IMO-FAL	Convention on the Facilitation of International Maritime Traffic, 1965, with amendments
INDRIS	Inland Navigation Demonstrator for River Information Services
ISO	International Standardisation Organisation
NST/R	Standard Goods Classification for Transport Statistics / Revised
OFS	Official Ship Number
PAXLST	Passenger List (Message)
PIANC	International Navigation Association
PROTECT	International Organisation of North Europeans Ports Dealing with Dangerous Goods
PSTN	Public Switched Telephony Network; thus the normal telephone network, either mobile or fixed.

RIS	River Information Services
UN/CEFACT	UN Centre for Trade Facilitation and Electronic Business
UN/ECE	United Nations Economic Commission for Europe
UN/LOCODE	United Nations Location Code
UNDG	United Nations Dangerous Goods (Number)
UNTDID	United Nations Trade Data Interchange Directory
VHF	Very High Frequency
VTS	Vessel Traffic Services
XML	Extended Markup Language

Standard for Electronic Ship Reporting in Inland Navigation

1 Purpose and scope

(1) It is the purpose of this standard to facilitate electronic data interchange (EDI) between partners in inland navigation as well as partners in multi-modal transport with involvement of inland navigation.

(2) This standard intends to avoid reporting the data related to a voyage more than once to different authorities and/or commercial parties.

(3) This standard provides rules for the interchange of electronic messages between partners in the field of inland navigation. Public authorities and other parties concerned (ship owners, skippers, shippers, ports) shall exchange data in conformity with this standard.

(4) This standard describes the messages, data items and codes to be used in electronic ship reporting for the different services and functions of River Information Services.

(5) This standard is based on internationally accepted trade and transport standards and classifications and complements these for inland navigation. The standard reflects the experiences that have been gained in the European Research and Development Projects INDRIS and COMPRIS as well as in the applications of reporting systems in different countries - especially the Dutch application BICS. New developments that have been undertaken in the Working Group “Electronic Reporting International (ERI)” are included.

(6) This standard contains the basic and most important regulations for electronic ship reporting. Some regulations for special conditions have to be complemented after further experiences have been gained. The concerned fields are mentioned in footnotes to the respective paragraphs of this standard.

(7) In order to achieve compatibility with maritime navigation, two documents of the European Commission have been considered:

- Directive 2002/6/EC of the European Parliament and of the Council of 18 February 2002 on reporting formalities for ships arriving in and/or departing from ports of the Member States of the Community,
- Directive 2002/59/EC of the European Parliament and of the Council of 27 June 2002 establishing a Community vessel traffic monitoring and information system and repealing Council Directive 93/75/EEC.

(8) In this standard the relation between private parties (shippers, skippers, terminal operators, fleet managers) and public parties (waterway authorities, public ports) is addressed. The relations between private parties without interference to public partners (e.g. between skippers and terminal operators) are not addressed.

(9) In addition, this edition 1.2 of the standard incorporates clarifications, corrections and extensions of the ERINOT message specifications (ERINOT 1.2) and of the classifications and code lists. These amendments became necessary to rectify certain shortcomings of edition 1.0 and to incorporate the introduction of the unique European vessel identification number ENI, foreseen by the Directive 2005/44/EC of the European Parliament and of the Council on harmonised River Information Services on inland waterways in the Community and replacing the official ship number of the CCNR.

(10) The message standard currently in use is UN/EDIFACT that has the syntax rules for the message structure (ISO 3795-1). An alternative syntax is XML which is flexible and independent of the data format. As XML has been in recently applied successfully for electronic reporting, XML syntax rules are now added to the standard, allowing transmitting messages either with EDIFACT or with XML.

2 Definitions

See:

- UN/EDIFACT Glossary, edited by UN/ECE (www.unece.org/trade/untdid/texts/d300_d.htm),
- „Transport & Logistics Glossary“ by P&O Nedlloyd, November 2000.

The following, not commonly usual terms are used in this standard.

Barge means a vessel that has no propulsion of its own.

Bulk Cargo means unpacked homogenous cargo poured loose in a certain space of a vessel or container e.g. oil or grain.

Code means a character string used as an abbreviated means of recording or identifying information.

Competent authority means the authorities and organisations authorised by the governments to receive and pass on information reported pursuant to this standard.

Consignee means the party such as mentioned in the transport document by whom the goods, cargo or containers are to be received.

Consignor means the merchant by whom, in whose name or on whose behalf a contract of carriage of goods has been concluded with a carrier or any party by whom, in whose name or on whose behalf the goods are actually delivered to the carrier in relation to the contract of carriage (Synonyms: Shipper, Sender).

Data Element means a unit of data which, in certain context, is considered indivisible and for which the identification, description and value representation has been specified.

EDI number means the electronic address of the sender or receiver of a message (e.g. the sender and receiver of the cargo). This may be an E-mail address, an agreed identifier or a number of the European Article Numbering Association (EANA number).

Electronic Data Interchange (EDI) means the transfer of structured data by agreed standards from applications on the computer of one party to applications on the computer of another party by electronic means.

Electronic reporting international (ERI) means the endeavour to harmonise inland ship reporting in Europe, recommended by the ERI Group.

Forwarder means the party arranging the carriage of goods including connecting services and/or associated formalities on behalf of shipper and consignee.

Procedure means the steps to be followed in order to comply with a formality, including the timing, format and transmission method for the submission of required information.

Shipmaster means the person on board of the ship being in command and having the authority to take all decisions pertaining to navigation and ship management. (synonyms: captain, skipper).

Transport notification means the announcement of an intended voyage of a ship to a competent authority.

UN/EDIFACT means the UN rules for Electronic Data Interchange for Administration, Commerce and Transport. They comprise a set of standards, directories and guidelines for the electronic interchange of structured data, and in particular that related to trade in goods or services between independent computerised information systems. Recommended within the framework of the UN, the rules are approved and published by the UN/ECE in the UN Trade Data Interchange Directory (UNTDID) and are maintained under agreed procedures.

Vessel (synonym: ship): In inland navigation, this term includes also small crafts, ferry boats and floating equipment.

Asynchronous Message means a message that can be delivered by the sender without explicitly having to wait for the processing of the message by the receiver. The receiver decides when to process the message.

3 Normative References

- PIANC Guidelines and Recommendations for River Information Services, 2002 (RIS Guidelines 2002)
- United Nations Trade Data Interchange Directory (UNTDID) for EDIFACT:
  - Part 1: Introduction
  - Part 2 : Uniform rules of conduct for interchange of trade data by teletransmission (UNCID)
  - Part 3: Terms and definitions
    - UN/EDIFACT Glossary
  - Part 4: UN Rules for EDIFACT
    - Chapter 1:Introduction
    - Chapter 2: General information
      - 2.1. Establishment of UN Standard Message Types (UNSM)
      - 2.2 UN/EDIFACT application level syntax rules (ISO 9735-1)
      - 2.3 UN/EDIFACT syntax implementation guidelines
      - 2.4 UN/EDIFACT message design guidelines
      - 2.5 UN/EDIFACT directory version/release procedures
      - 2.6 General description to UNSM descriptions
  - Part 5: UNSM Specifications
    - Chapter 1: Introduction
    - Chapter 2: Message type directory EDMD (Edition 98.B, which is stable and recommended by the IMO)
    - Chapter 3: Segment directory EDSD
    - Chapter 4: Composite data element directory EDCD
    - Chapter 5: Data element directory EDED
    - Chapter 6: Consolidated code list UNCL

- UN/ ECE: Trade Data Elements Directory UNTDED
    - Volume I: Standard data elements (ISO 7372)
    - Volume II: User code list
    - Volume III: Compendium of trade facilitation recommendations with i.a.:
        - Rec. 3: ISO country code for representation o names of countries
        - Rec. 10: Codes for ship names
        - Rec. 16: UN/LOCODE – Code for ports and other locations
        - Rec. 19: Codes for modes of transport
        - Rec. 20: Codes for units of measurements used in international trade
        - Rec. 25: Use of UN/EDIFACT
        - Rec. 26, Annex: Model interchange agreement for the international commercial use of electronic data interchange
        - Rec. 28: Codes for types of means of transport
- PROTECT Dangerous Goods Message Scenario, Version 1.0, January 1999
- IMO Compendium on Facilitation and Electronic Business “Electronic Data Interchange (EDI) for the Clearance of Ships”, 2001 edition, FAL.5/Circ. 15
- IMO Convention on the Facilitation of International Maritime Traffic (FAL), 1965 with amendments

Normative references on classifications (codes) are given in Annex 4

4 Messaging Procedures

4.1 Ship-to-authority messaging

(1) Ship-to-authority messaging consists mainly of:

1 Transport notification messages on the voyages of loaded or empty ships within the jurisdictional area of the authority where such is applicable.

2 Arrival notification and position reports at locks, bridges, reporting points of traffic centres.

(2) Ship-to-authority messaging is not confined to messages sent from a ship directly to the authority. All messages concerning the ship, sent by or on behalf of the ship, count as ship-to-authority messaging even if sent by shippers, ship owners, and terminal operators ashore.

(3) If a permit for entering a jurisdictional area is needed, the notification shall be sent already at the start of the voyage to the authority and when entering the area.

4.1.1 Transport notification

(1) The transport notification message is used to inform the authorities of the intention to make a specified voyage with a specified ship either carrying a specified cargo or being empty.

(2) The transport notification can either originate from the skipper of the ship or from the shipper of the cargo on behalf of the skipper.

(3) Transport notifications shall be sent before the start of a voyage, before entering the jurisdictional area of an authority and after every significant change of the voyage data, e.g. number of crew on board or number of barges in the convoy. If a ship requires a permit for (a part of) the voyage, the competent waterway authority shall return an acknowledgement after processing the notification. This can indicate a permission or a refusal.

(4) Transport notification message exchanges shall be sent asynchronous but within short time.

(5) Every authority shall accept messages delivered as E-mail (electronic mail) in accordance to the message specification, either directly in the text or preferably as attachment to the E-mail. The mailbox itself shall be reachable directly by public telephone (PSTN) and indirectly through the Internet.

(6) Any authority can decide to accept additional other means of delivery. In case where notifications are given in the traditional way (e. g. on paper, by fax, by VHF), but further processed in an electronic way, the information has to be given in a way that it can be entered into an electronic system by the operators of the traffic centre, the lock or the bridge.

4.1.2 Arrival notification and position report

(1) The position report shall be used to inform local waterway operators -- such as lock masters, bridge operators, traffic centre operators, ports and docking crew -- of the impending arrival of a ship. Arrival notifications shall be sent before arrival at a lock, bridge or port.

(2) Position reports shall be sent at certain reporting points at the waterway.

(3) Arrival notifications and position reports can be obtained by several means, either active or passive [1]:

1 Visual / manual

The traditional way of notifying the arrival of a ship is visual. The exact time of arrival at the specific point is noted and in some cases manually entered into a computer system.

2 By VHF radio

The ship may inform the lock or bridge of its presence by VHF. In this case the ATIS code can be used to identify the calling ship and to insert the passage of the ship into the waiting queue of the lock´s computer system. In this case, visual or radar control by the lock master is still necessary to avoid vessels entering themselves into the waiting queue prematurely.

3 By Automatic Identification System (AIS)

As AIS transponders become more frequently used, they will probably be the ideal way announcing the arrival of a ship. In addition they can send extra information, such as the presence of hazardous cargo on board [2].

4.2 Authority-to-authority messaging

(1) Authority-to-authority messaging consists mainly of transport notifications for ships, either carrying cargo or being empty, travelling from one jurisdictional area to the other.

(2) A message shall be sent to the neighbouring authority if the ship passes a mutually agreed point on the fairway.

[1] These and other arrival and position reports are not specified in this standard.
[2] To be defined in the Inland AIS Standard

(3) All messages shall be sent asynchronous but within short time.

(4) Every authority shall accept messages delivered as electronic mail in accordance to the message specification, either directly in the text or preferably as attachment to the E-mail. The mailbox itself shall be reachable either directly by public telephone (PSTN) and / or indirectly through the Internet. Authorities can decide to accept additional other means of delivery, for example a direct connection between the systems. These requirements are applicable also for port authorities which take part in such a service.

(5) If it is intended to forward a ship-to-authority-message from a waterway authority to a public port or a private terminal, the skipper or shipper has to give the allowance explicitly in the original transport notification message.

4.3 Authority-to-ship messaging

(1) Authority-to-ship messaging consists mainly of acknowledgements and responses to previously submitted notification messages on travelling within the jurisdictional area of the authority.

(2) Authority-to-ship messaging could also encompass the sending of fairway information, such as notices-to-skippers and hydro-meteo information. This type of information is not dealt with in this standard.[3]

(3) All messages shall be asynchronous but within short time.

(4) Every sender of a notification message (skipper or shipper) participating in electronic reporting shall have access to a personalised mailbox to allow the reception of messages sent by an authority as electronic mail in accordance to the message specification, either as plain text or preferably as attachment to the electronic mail. To ensure the ease of use, such a mailbox shall be accessible by all parties in a permanent and consistent fashion taking into account costs, maintainability and convenience.

(5) Authorities shall not send messages which do not comply with published standards. Authorities may only implement and send non-standard messages for specific purposes unique to the particular combinations of applications.

5 RIS services and functions to be supported

(1) The following services are identified to be supported by electronic ship reporting [4]:

1 Traffic management (strategic traffic information, lock and bridge management)
2 Calamity abatement
3 Transport management (port and terminal management, fleet and cargo management)
4 Statistics
5 Waterway infrastructure charges
6 Border control
7 Customs services.

The data items to be used in the different services are depicted in **Annex 1** with some additional definitions.

[3] The inclusion of notices-to-skippers into electronic ship reporting is dealt with in the standardisation of notices-to-skippers with direct relation to Inland ECDIS

[4] see RIS Guidelines 2002, ch. 4.5

6 EDIFACT messages

(1) In electronic ship reporting, information is exchanged using messages.

(2) The message standard currently in use is UN/EDIFACT that has the syntax rules for the message structure (ISO 3795-1). Alternatively, XML may be used. (See chapter 7.)

(3) The ERI format for the dangerous goods notification is the UN/EDIFACT “International Forwarding and Transport Dangerous Goods Notification (IFTDGN) message”. The port authorities of Antwerp, Bremen, Felixstowe, Hamburg, Le Havre and Rotterdam have derived the PROTECT message from the IFTDGN message. Out of PROTECT, the ERI notification message has been derived for inland navigation. This procedure ensures that conformity between maritime and inland navigation is granted for dangerous and polluting goods.

(4) Using some liberties of the IFTDGN message, the ERI notification message has been extended to allow non-dangerous goods to be notified. This feature allows to put all data of the transport or voyage notification (ship and cargo data of a voyage) in one single message.

(5) In this standard the following notation for acronyms has been used:

UPPER CASE: Original EDIFACT message

UPPER BOLD CASE: ERI message derived from EDIFACT message

(6) The structure of the ERI message is given in the branching diagram of **Annex 2**.

(7) The following messages shall be used in electronic ship reporting on inland waterways:

- **ERINOT**, means “ERI Notification Message”, derived from the IFTDGN 98B message and the PROTECT 1.0 message

  with the following **types**:

  - Transport notification from vessel to authority (identifier “VES”), from ship to shore
  - Transport notification from carrier to authority (“CAR”), from shore to shore
  - Passage notification (“PAS”), from authority to authority

  and the following **functions** to show what can be expected:

  - New message (identifier "9”)
  - Modification of message (“5”)
  - Cancellation of message (“1”).
- **ERIRSP**, means “ERI Response Message”, derived from the APERAK message.
- PAXLST, means the “Passenger List Message” , using the IMO-FAL Form 6, including passengers, crew and service personnel.
- CUSCAR, means the “Customs Cargo Report Message”, using the IMO-FAL Form 2 , as accepted by the G7 Group and the World Customs Organisation.
- CUSDEC, means the “Customs Declaration Message”.
- IFTMIN, means the “Instruction message” from barge operator to skipper with the functions
  - container transport
  - tank transport [5]

[5] To be developed within the work of the BICS container ship and the BICS tank ship expert groups

(8) The following table defines the usage of the messages:

RIS Service and Function	Messages (and their types) in the procedures		
	Ship-to-authority	**Authority-to-ship**	**Authority-to-authority**
Traffic management	**ERINOT (VES)** **ERINOT (CAR)**	**ERIRSP** Notices to skippers	**ERINOT (PAS)**
Calamity abatement	**ERINOT (VES)** **ERINOT (CAR)** PAXLST	**ERIRSP** Notices to skippers	**ERINOT (PAS)** PAXLST
Transport management	**ERINOT (VES)** **ERINOT (CAR)** CUSCAR, CUSDEC	**ERIRSP** Notices to skippers	**ERINOT (PAS)** CUSCAR, CUSDEC
Statistics	**ERINOT (VES** **ERINOT (CAR)** PAXLST CUSCAR, CUSDEC		
Waterway charges	**ERINOT (VES)** **ERINOT (CAR)**	**ERIRSP**	
Border control	PAXLST	**ERIRSP**	PAXLST
Customs services	CUSCAR, CUSDEC	**ERIRSP**	CUSCAR, CUSDEC

(9) The reporting procedure shall always start with the **ERINOT** message and send additional data by the PAXLST, CUSCAR and CUSDEC [6] messages, using a reference to the **ERINOT** message

(10) The EDIFACT messages shall be applied without any change. Their definitions can be found in the UN/ECE UNTDID.

(11) The specifications for the **ERINOT** and **ERIRSP** messages are given in **Annex 3**.

7 XML messages

(1) XML messages use the same data and code tables as EDIFACT.

(2) The specifications for **XML** messages as well as a description of the requirements for converting EDIFACT messages to and from XML messages are given in **Annex 5**.

[6] The implementation manual for the specific use of these 3 messages in inland navigation has still to be developed

8 Classifications and code lists

(1) In order to minimise interpreting work to be done by the receivers of messages, classifications and code lists shall be used to the highest possible extent.

(2) Existing codes shall be used in order to avoid special work to be done for the assembling and maintenance of new code lists.

(3) The following classifications shall be used in inland ship reporting:

1 Vessel and convoy type

2 Official ship number (OFS)

3 IMO ship identification number (IMO)

4 Electronic reporting number (for ship identification) (ERN)

5 Unique European vessel identification number (ENI)

6 Harmonized commodity description and coding system 2002 (HS, goods)

7 Combined nomenclature (CN, goods)

8 Standard goods classification for transport statistics / Revised (NST/R)[7]

8.1 Standard goods classification for transport statistics / Revised The Netherlands (NST/R NL)

8.2 Standard goods classification for transport statistics / Revised France (NST/R FR)

8.3 Standard goods classification for transport statistics / Revised Germany (NST/R DE)

9 UN dangerous goods number (UNDG)

10 International maritime dangerous goods code (IMDG)

11 ADNR

12 UN country or area codes

13 UN code for trade and transport locations

14 Fairway section code

15 Terminal code

16 Freight container size and type code

17 Container identification code

18 Package type code

19 Handling instructions

20 Purpose of call

21 Nature of cargo.

[7] Since the 4-digit NSTR/codes of the different countries are not compatible, it is strongly recommended to use the common HS code of the World Customs Organization for cargo description.

9 Confidentiality and security of information

(1) The competent authorities shall take the necessary measures to ensure the confidentiality, integrity and security of information sent to them pursuant this standard. They must use such information only for the purposes of the intended services, for example calamity abatement, border control, customs.

(2) An interchange agreement on the protection of privacy between all involved public and private parties shall be concluded for new applications, based on UN/ECE Recommendation 26 that contains an example “Model Interchange Agreement” in general terms.

Annex 1

Data items to be reported in different services / functions of RIS

Definitions of the services: see RIS-Guidelines, Ch. 4.5

Type / Service / Function to be supported:		Traffic Management					Calamity abatement support					Transport Management					Statistics					Waterway charges					Border control					Customs services					Remarks
	Country:	A	B	D	F	N	A	B	D	F	N	A	B	D	F	N	A	B	D	F	N	A	B	D	F	N	A	B	D	F	N	A	B	D	F	N	
1	2	3					4					5					6					7					8					9					10
Message data																																					
	Message identification				x	x	x			x	x				x			x					x		x											Number of the document
	Modification message identification				x	x	x			x	x				x								x		x											
	Kind of document (B)																	x					x													New voyage, change of voyage or discharge
	Office number (B)																	x					x													
	Date / time of document (B)																	x					x													Date and hour of the creation of the document
	Voyage number (B)																	x					x													

The data items in italics are not contained in the ERINOT message. They are to be considered in the future when information exchange increases.

Type	Service / Function to be supported:	Traffic Management					Calamity abatement support					Transport Management					Statistics					Waterway charges					Border control					Customs services					Remarks
	Country:	A	B	D	F	N	A	B	D	F	N	A	B	D	F	N	A	B	D	F	N	A	B	D	F	N	A	B	D	F	N	A	B	D	F	N	
1	2	3					4					5					6					7					8					9					10
Voyage data																																					
	Number of persons on board					x	x		x		x																x										Crew and passengers (NL)
	Number of blue cones				x	x	x		x	x	x																										
	Privacy protected (Y, N)				x	x	x			x	x				x	x																					
	Reference to previous message				x	x				x	x				x	x							x		x												
	Reference to transport document				x					x		x			x	x								x	x							x					
	Terminal of departure			x	x	x	x		x	x	x	x					x	x	(x)	(x)			x		x							(x)					
	Passage points				x	x				x	x														x	x											
	Next traffic centre						x																														
	Route information (terminals)				x	x				x	x	x			x	x		x					x														
	Terminal of destination			x	x	x	x		x	x	x	x			x	x	x	x	(x)	(x)			x		x							(x)					
	Date / time of departure				x	x	x			x	x	x			x	x							x		x												equal to date/time document
	Passage time				x	x				x	x				x	x		x	x				x				x					(x)					
	Date / time of arrival (ETA)			x	x	x	x		x	x	x	x			x	x									x											see 1) at the end of this page (A)
	Number of crew (D)								x	x		x												(x)												see 2) at the end of this page (A)
	Number of passengers admitted (D)																		x					x												
	Number of passenger cabins (D)																							x												
	Actual number of passengers (D)								x								x						x													
	Sailing direction (upstream, downstream) (D)			x	(x)	x			x	(x)	x						x	x	x	x			x													
	cargo documents checked indication (NL)																																			
	Rotation number (NL)					x																														

The data items in italics are not contained in the ERINOT message. They are to be considered in the future when information exchange increases.

Type	Service / Function to be supported:	Traffic Management					Calamity abatement support					Transport Management					Statistics					Waterway charges					Border control					Customs services					Remarks
	Country:	A	B	D	F	N	A	B	D	F	N	A	B	D	F	N	A	B	D	F	N	A	B	D	F	N	A	B	D	F	N	A	B	D	F	N	
1	2	3					4					5					6					7					8					9					10
Convoy data																																					
	Convoy type			x	x	x	x		x	x	x	x			x		x		x	x					x											
	Official vessel no. of main vessel				x	x	x		x	x	x	x			x				(x)	x					x						x					
	Name of main vessel			x	x	x	x		x	x	x	x					x		x	x					x						x					
	Capacity of convoy in tonnes				x	x	x		x	x	x	x					x		x	x					x						(x)					
	Nationality of main vessel				x	x	x		x	x	x	x					x		x	x					x						x					
	Length of the convoy			x	x	x	x		x	(x)	x	x							x	x					x											
	Width of the convoy			x	x	x	x		x	(x)	x	x							x	x																
	Actual draught of the convoy				x	x	x			(x)	x	x							x	x																
	Loading status (full, empty)(D)			x	x	x				x	x								x	x																(D)
	Number of containers (D)				x	x				x	x								x	x					x											
	Actual air draught of the convoy (NL)				x	x				(x)																											
Sender (of message) data						x	x				x	x				x										x					x					
	Name				x		x			x		x											x	x		x					x					
	Identification code				(x)		x			(x)													x	x		x					x					
	Address																						x	x												
	Contact details																																				
	Communication details				x	x				x	x					x								x													
Invoicee´s data																																					
	Name				x					x													x	x							(x)					
	Identification code				(x)					(x)													x	x												
	Address				x																		x	x							(x)					
	Contact details																														(x)					
	Communication details				x					x													x	x												

The data items in italics are not contained in the ERINOT message. They are to be considered in the future when information exchange increases.

Type / Service / Function to be supported:	Traffic Management					Calamity abatement support					Transport Management					Statistics					Waterway charges					Border control					Customs services					Remarks
Country:	A	B	D	F	N	A	B	D	F	N	A	B	D	F	N	A	B	D	F	N	A	B	D	F	N	A	B	D	F	N	A	B	D	F	N	
1	2	3					4					5					6					7					8					9					10
Vessel owner´s data																																			
Name				x	x				x								x					x	x	x										
Identification code				(x)					(x)																										
Address																	x					x	x	x										
Contact details																																			
Communication details									x																										
Nationality																	x					x		x											
Convoy details (for each vessel in convoy)																																			Belgium does not work on convoy level
Vessel identification		x		x	x	x			x	x							x	x	x			x	x	x						x				For customs services just a complete convoy (A)
Name		x		x	x	x			x	x							x	x	x			x	x	x						x				
Tonnage (allowed by permit) (NL)		x		x	x	x			x	x							x	x	x			x	x	x						x				
Type		x		x	x	x			(x)	x						x	x	(x)	x			x	x	x						x				
Vessel length		x		x	x	x		x	(x)	x							x	x	x				x	x										
Vessel width		x		x	x	x		x	(x)	x							x	x	x				x	x										
Vessel actual draught				x		x			(x)								x	x	x				x	x										
Nationality (D)				(x)		x			(x)							x		x	x				x							(x)				see owner´s data
Loading status (full, empty) (D)				x					x									x	x				x											
Engine Power (amount) (B, NL)				x	x					x							x		x			x												
Number of along sailing ships (B)																	x		x			x												
double hull indication				x	x				x	x									x															
Vessel official draught (NL)					x																													
Travel exemption indication (NL)				x	x				x	x																								
General container data																																		
Type and number of loaded containers					x				x	x									x				x							(x)				
Type and number of empty containers					x				x	x									x				x							(x)				

The data items in italics are not contained in the ERINOT message. They are to be considered in the future when information exchange increases.

Type / Service / Function to be supported:	Traffic Management					Calamity abatement support					Transport Management					Statistics					Waterway charges					Border control					Customs services					Remarks
Country:	A	B	D	F	N	A	B	D	F	N	A	B	D	F	N	A	B	D	F	N	A	B	D	F	N	A	B	D	F	N	A	B	D	F	N	
1	2	3					4					5					6					7					8					9					10
Consignment data)																																				
(Similar terminal of departure, similar terminal of destination)																																				
Type and no. of inner package															x				x																
Date / time of loading				x		x			x						x				x																
Date / time of unloading				x		x			x						x				x																
Loading terminal				x	x	x		x	x						x				x				x												
Unloading terminal				x	x	x		x	x						x				x				x												
Cargo sender data																																				
Name										x					x																				
Address										x					x																				
Cargo receiver data																																				
Name															x																				
Address															x																				
Extra goods information																																				
Type of good (non-dangerous, dangerous)				(x)	x			x	x	x				x				x	x																
HS code				(x)					(x)						x				x																x
Customs status 1)																							(x)												
NST-R code				(x)	x				x	x						x	x		x			x	x												NST-code (B)
Non-dangerous cargo data (per vessel and per good)																																				
Cargo name				x	x			x	x	x					x		x		x			x	x												
NST-R code					x				x	x					x				x				x												
HS code									x						x				x																

The data items in italics are not contained in the ERINOT message. They are to be considered in the future when information exchange increases.

Type	Service / Function to be supported:	Traffic Management					Calamity abatement support					Transport Management					Statistics					Waterway charges					Border control					Customs services					Remarks
	Country:	A	B	D	F	N	A	B	D	F	N	A	B	D	F	N	A	B	D	F	N	A	B	D	F	N	A	B	D	F	N	A	B	D	F	N	
1	2	3					4					5					6					7					8					9					10
Dangerous cargo data																																					
	ADNR class or IMDG class (sea vessels)				(x)	x	x		x	x	x				x																						
	Classification code (only for cargo on dry cargo vessels and for class 1 only)					x	x		x		x																										
	UN number					x	x		x	x	x																										
	Name of substance					x	x		x	x	x																										
	Synonym					x	x		x	x	x																										
	Packing group						x		x		x																										
	Placards (for cargo on dry cargo vessels only)					x	x		x		x																										
	Gevarenkaart gegevens (NL)										x																										
Goods placement data (barge)																																					
	Vessel identification where the cargo is stored					x	x		x	x	x					x																					
	Weight					x	x				x					x																					
Goods placement data (containers)																																					
	Container number and type						x									x																(x)					
	Stowage location						x									x																(x)					
	Weight of cargo in the container					x	x				x					x						x									(x)					Total amount, not by container (B)

The data items in italics are not contained in the ERINOT message. They are to be considered in the future when information exchange increases.

Type	Service / Function to be supported:	Traffic Management					Calamity abatement support					Transport Management					Statistics					Waterway charges					Border control					Customs services					Remarks
	Country:	A	B	D	F	N	A	B	D	F	N	A	B	D	F	N	A	B	D	F	N	A	B	D	F	N	A	B	D	F	N	A	B	D	F	N	
1	2	3					4					5					6					7					8					9					10

1) Not just the ETA ist needed, but also the assigned (allowed) time of arrival, which is sent back by the port of destination (A)

2) Austria: For **border control** (crew and passenger lists) the following data is needed for each person on board:
First name, gender, Date of birth, Place of birth, kind of identification document, number of identification document, nationality
Authority, Identificationb document valid fro, identification document valid until, immigration granted, passenger or crew number

3) T= Third country good,
C = Communal good
X = Good declared for export in a member state
F = good from non-fiscal area

(x) Customs services are not included in the Austrian application DORIS at the moment, but might be added at a later stage

The data items in italics are not contained in the ERINOT message. They are to be considered in the future when information exchange increases.

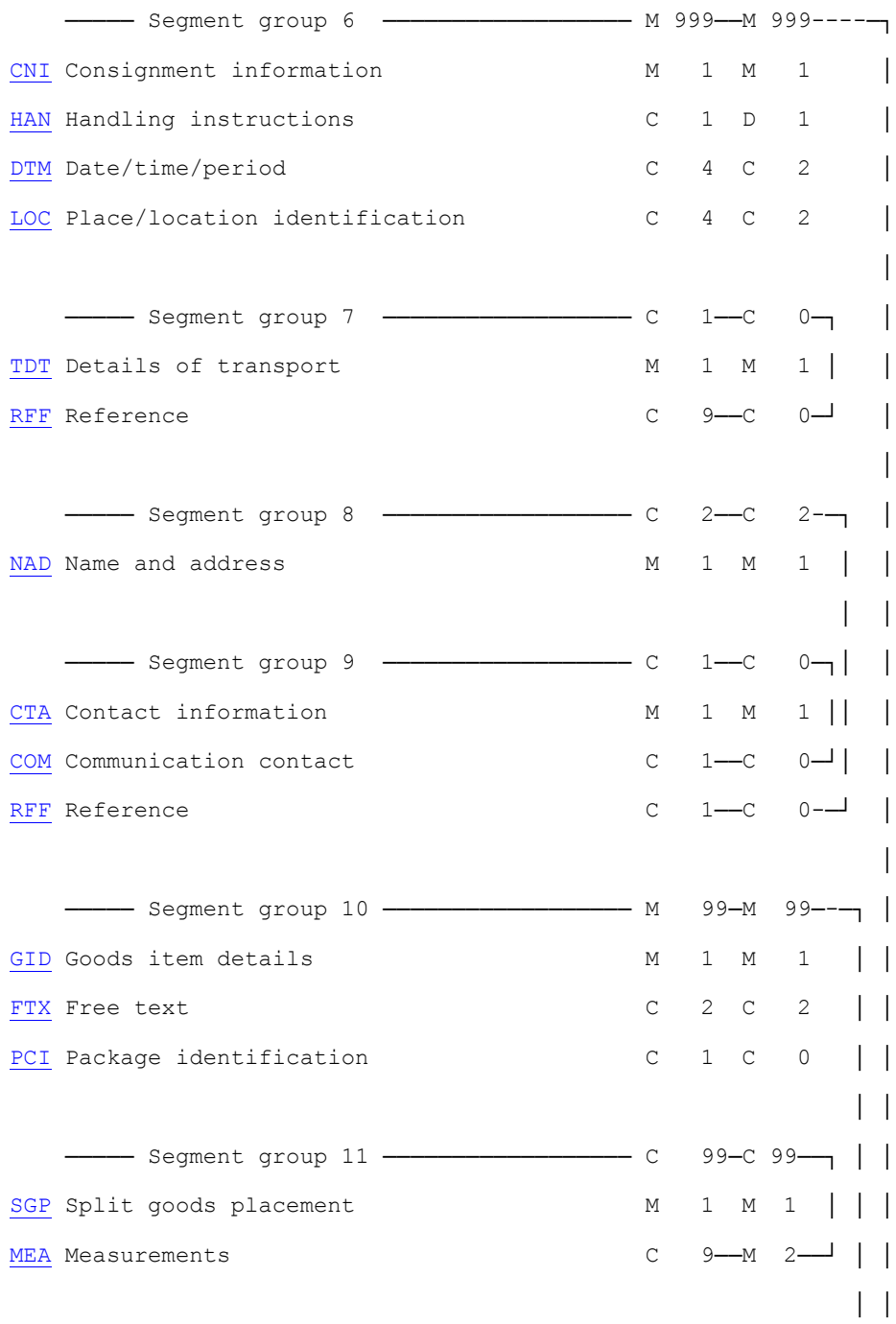
Annex 2

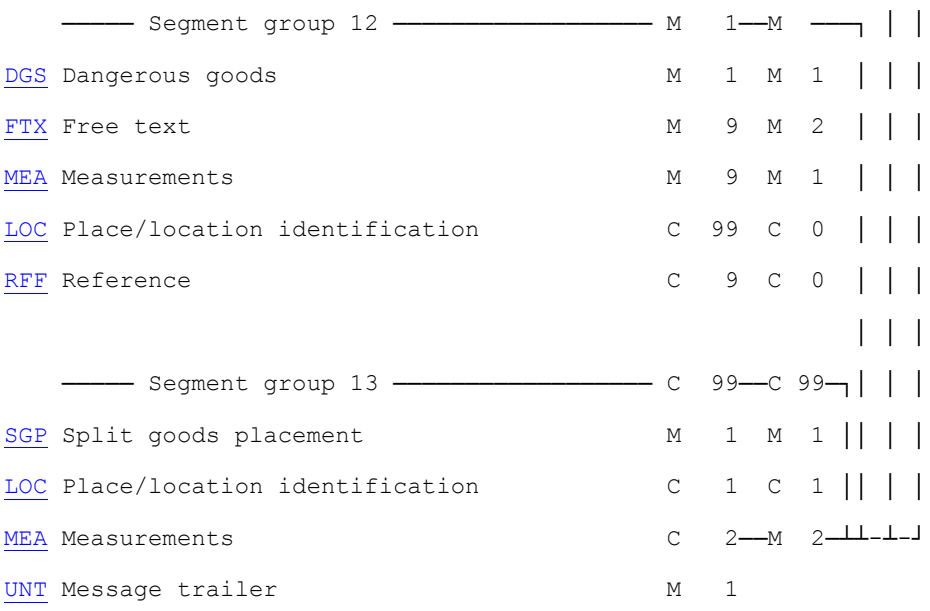
ERINOT 1.2 Segment Table and Branching Diagram

Edition 1.2, 19.10.06

1 Segment Table

Tag	Name	S	R	ERI S	ERI R
UNH	Message header	M	1	M	1
BGM	Beginning of message	M	1	M	1
DTM	Date/time/period	C	9	C	0
FTX	Free text	C	9	C	3
HAN	Handling instructions	C	1	D	1
	----- Segment group 1 -----	C	9	C	3
RFF	Reference	M	1	M	1
DTM	Date/time/period	C	9	-	0
	----- Segment group 2 -----	C	1	M	1-
TDT	Details of transport	M	1	M	1
RFF	Reference	C	9	M	9
LOC	Place/location identification	C	10	M	9
DTM	Date/time/period	C	2	C	-2
	----- Segment group 3 -----	C	9	M	-2
NAD	Name and address	M	1	M	1
	----- Segment group 4 -----	C	9	M	-2
CTA	Contact information	M	1	M	1
COM	Communication contact	C	9	C	-4
	----- Segment group 5 -----	C	999	M	-19-
EQD	Equipment details	M	1	M	1
MEA	Measurements	C	9	M	-5-


Segment group 6 M 999 M 999
CNI Consignment information M 1 M 1
HAN Handling instructions C 1 D 1
DTM Date/time/period C 4 C 2
LOC Place/location identification C 4 C 2
Segment group 7 C 1 C 0
TDT Details of transport M 1 M 1
RFF Reference C 9 C 0
Segment group 8 C 2 C 2
NAD Name and address M 1 M 1
Segment group 9 C 1 C 0
CTA Contact information M 1 M 1
COM Communication contact C 1 C 0
RFF Reference C 1 C 0
Segment group 10 M 99 M 99
GID Goods item details M 1 M 1
FTX Free text C 2 C 2
PCI Package identification C 1 C 0
Segment group 11 C 99 C 99
SGP Split goods placement M 1 M 1
MEA Measurements C 9 M 2



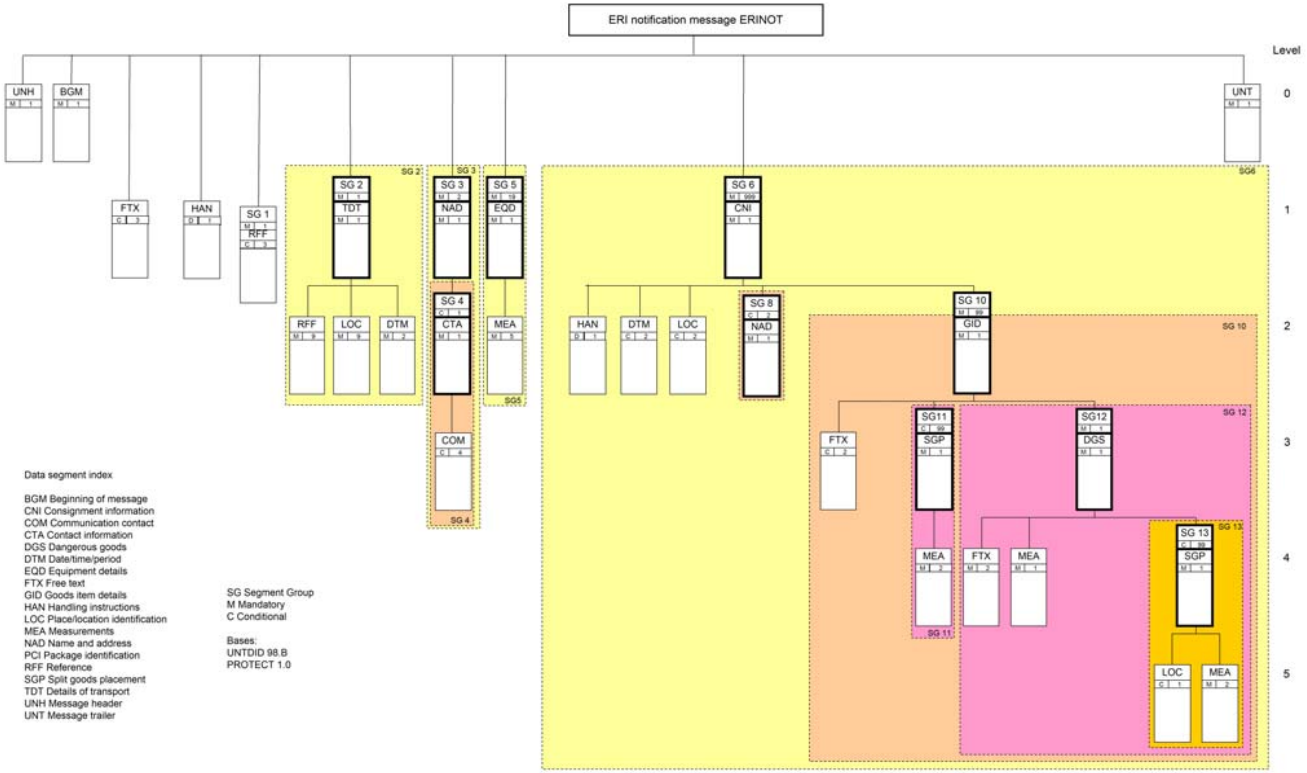
S = Status

R = Repeats

C = Conditional

M = Mandatory

2 Branching Diagram



Annex 3

ERI Message Specifications

Edition 1.2 – 19.10.2006

Contents

1 Introduction

This document defines the structure of the ERI messages in electronic reporting for inland navigation. The messages are to be sent by on-board or on-shore applications to the competent authority. Also messages generated by a competent authority and sent to on-board or on-shore applications are defined.

For notifying the passage of a vessel by a competent authority to another competent authority, the same message structure is used.

1.1 UN/EDIFACT message structure

UN/EDIFACT messages are composed of several segments. The structure of a message is described in a segment table and a branching diagram indicating the position and the relations of the segments.

For each segment the data elements are defined which are to be used in a message. Some data elements are combined to form composite data elements.

The messages follow a fixed syntax (ISO 9735-1).

A segment and a data element within a segment either is mandatory or conditional. Mandatory segments and / or data elements contain important data for a receiving application and shall be filled with sensible data. Conditional elements need not be present in a message.

Each message starts with two segments, the 'interchange header' (UNB) and the 'message header' (UNH). Each message finishes with the segments 'message trailer' (UNT) and 'interchange trailer' (UNZ). Thus each message is contained in one interchange, and an interchange contains only one single message.

1.2 Description of the segments and data elements

The segments and data elements are described in tables 1 and 2.

Column 1 contains the name in form of the acronym (TAG) of the segment group, represented by the hierarchy of segment names on higher levels. This indication is derived from the branching diagram.

Column 2 contains the name in form of the acronym (TAG) of the segment, the number of the composite data element and the number of the data element.

Column 3 indicates the level on which the segment is situated in the branching diagram.

Column 4 indicates whether the segment or data element is mandatory (M) or conditional (C).

Column 5 defines the format of the data element.

Column 6 gives the UN/EDIFACT name of the data element. The names of segments are written in bold upper cases, the names of composite data elements are written in normal upper cases and the names of data elements are written in normal lower cases.

Column 7 gives a description of the data elements (fields). If a fixed value is to be used, the value is indicated in quotes

1.3 Conventions for data formats

The following conventions are adopted for the definition of the format of the data elements:

- a3 3 ASCII characters A t/m Z ;
- an..3 At most 3 alpha-numeric characters (remainder is filled with blanks);
- n..9 Numeric value of at most 9 digits (8 numbers and 1 minus sign) right aligned, preceded by zeros or blanks;
- n3.2 Numeric value of 3 positions, right aligned, preceded by blanks.

If a smaller size is used in the ERI specification tables, this is indicated within brackets. The remaining space in a data element is to be filled with space characters.

2 ERI notification message ERINOT

The ERI notification message (**ERINOT**) is a specific use of the UN/EDIFACT '**International Forwarding and Transport Dangerous Goods Notification (IFTDGN)**' message as it has been developed within the PROTECT organisation and adopted by the IMO. The **ERINOT** message is based on EDIFACT directory 98.B and Protect version 1.0.

For each transport, an ERI notification message is to be composed and sent to the competent authority.

The segment table and the branching diagram of the **ERINOT 1.2** message is depicted in Annex 2.

To ensure usage of the message under special circumstances such as a convoy of ships, some extra qualifiers have been introduced for the RFF segments in the TDT group.

2.1 ERINOT message structure

Table 1 defines the structure of the segments and the data elements of the ERI notification message.

Table 1: ERI notification message ERINOT

Segment Group	Segment Composite data element (C) Data element TAG	Level	Mandatory Conditional	Format	Name	Description Qualifiers in notation marks
1	2	3	4	5	6	7
	UNB	0	M		**INTERCHANGE HEADER**	
	S001		M		SYNTAX IDENTIFIER	
	0001		M	a4	Syntax identifier	"UNOA" Controlling agency level A
	0002		M	n1	Syntax version number	"2"
	S002		M		INTERCHANGE SENDER	
	0004		M	an..35 (an25)	Sender identification	Mailbox number or unique name
	0007		C	an..4	Partner identification code qualifier	n.a.
	0008		C	an..14	Address for reverse routing	n.a.
	S003		M		INTERCHANGE RECIPIENT	
	0010		M	an..35 (an25)	Recipient identification	Mailbox number or unique name
	0007		C	an..4	Partner identification code qualifier	n.a.
	0014		C	an..14	Routing address	n.a.
	S004		M		DATE / TIME OF PREPARATION	
	0017		M	n6	Date	Generation date, YYMMDD
	0019		M	n4	Time	Generation time, HHMM
	0020		M	an..14	Interchange control reference	First 14 positions of the message reference number.
	S005		C		RECIPIENTS REFERENCE, PASSWORD	n.a
	0022			an..14	Recipient's reference / password	n.a.
	0025			an2	Recipient's reference, password qualifier	n.a.
	0026			an..14	Application reference	n.a.
	0029			a1	Processing priority code	n.a.
	0031		C	n1	Acknowledgement request	"1" = Sender requests acknowledgement, i.e. UNB and UNZ segments received and identified
	0032			an..35	Communications agreement id	n.a.
	0035		C	n1	Test indicator	"1" = The interchange relates to a test message

Table 1: ERI notification message ERINOT

Segment Group	Segment Composite data element (C) Data element TAG	Level	Mandatory Conditional	Format	Name	Description Qualifiers in notation marks
1	2	3	4	5	6	7
	UNH	0	M		**MESSAGE HEADER**	Identification, specification and heading of a message
	0062		M	an..14	Message reference number	First 14 positions of the message reference number.
	S009		M		MESSAGE IDENTIFIER	
	0065		M	an..6	Message type	“IFTDGN”, message type
	0052		M	an..3	Message version number	“D”,
	0054		M	an..3	Message release number	“98B”
	0051		M	an..2	Controlling agency	“UN”,
	0057		M	an..6	Association assigned code	ERI12”, ERI Version 1.2
	0068		O	an..35	Common access reference	The reference code to have a common denominator for all messages for the same voyage.
	S010				STATUS OF THE TRANSFER	n.a.
	0070			n..2	Sequence of transfers	n.a.
	0073			a1	First and last transfer	n.a.
	BGM	0	M		**BEGINNING OF MESSAGE**	Identification of the type and function of the message
	C002		M		DOCUMENT / MESSAGE NAME	
	1001		M	an..3	Document / message name code	**Type** of Message: “VES”, from vessel to RIS authority message; “CAR”, from carrier to RIS authority message “PAS”, passage report from RIS authority to RIS authority
	1131			an..3	Code list qualifier	n.a.
	3055			an..3	Code list responsible agency	n.a.
	1000			an..35	Document / message name	n.a.
	C106		M		DOCUMENT / MESSAGE IDENTIFICATION	
	1004		M	an..35 (an15)	Document identifier	Message reference number. This number should be as unique as possible, both for sender and for receiver. If a message is received and then passed on to another receiver, the original message reference number should be used. The transitional system should in this case not generate another message reference number
	1056			an..9	Version	n.a.

Table 1: ERI notification message ERINOT

Segment Group	Segment Composite data element (C) Data element TAG	Level	Mandatory Conditional	Format	Name	Description Qualifiers in notation marks
1	2	3	4	5	6	7
	1060			an..6	Revision number	n.a.
	1225		M	an..3	Message function code	**Function** of message: "1" = cancellation message, "9" = new message, (original) "5" = modification message
	4343		C	an..3	Response type code	AQ
	FTX (1)	1	C		**FREE TEXT**	To notify the number of **persons on board** and the number of **blue cones**
	4451		M	an..3	Text subject code qualifier	**"**SAF" for safety explanation
	4453			an..3	Free text function code	n.a.
	C107				TEXT REFERENCE	
	4441			an..17	Free text identification	n.a.
	1131			an..3	Code list qualifier	n.a.
	3055			an..3	Code list responsible agency	n.a.
	C108		M		TEXT LITERAL	Text
	4440		M	an.. 70 (n4)	Free text	Total number of persons on board
	4440		C	an.. 70 (an1)	Free text	'0', '1', '2', '3' for number of cones (inland vessel) , "B" for red signal flag (maritime vessel), "V" for specal permit
	4440		C	an.. 70 (n4)	Free text	Number of passengers
	4440			an.. 70	Free text	n.a.
	4440			an.. 70	Free text	n.a.
	3453			an.. 3	Language, coded	n.a.
	4447			an..3	Text formatting, coded	n.a.
	FTX (2)	1	C		**FREE TEXT**	**To indicate whether the information in the message may be forwarded by the receiver to other authorities**
	4451		M	an..3	Text subject code qualifier	"ACK" for "Privacy statement" or "Confidential nature"
	4453			an..3	Free text function code	n.a.
	C107				TEXT REFERENCE	
	4441			an..17	Free text identification	n.a.
	1131			an..3	Code list qualifier	n.a.
	3055			an..3	Code list responsible agency	n.a.

Table 1: ERI notification message ERINOT

Segment Group	Segment Composite data element (C) Data element TAG	Level	Mandatory Conditional	Format	Name	Description Qualifiers in notation marks
1	2	3	4	5	6	7
	C108		M		TEXT LITERAL	
	4440		M	an..70 (a1)	Free text	“Y” = Yes, “N” = No
	4440			an..70	Free text	n.a.
	4440			an..70	Free text	n.a.
	4440			an..70	Free text	n.a.
	4440			an..70	Free text	n.a.
	3453			an..3	Language, coded	n.a.
	4447			an..3	Text formatting, coded	n.a.
	FTX		**C**		Free text	**Reason for cancellation**
	4451		M	an..3	Text subject code qualifier	“ACD” cancellation reason
	4453			an..3	Free text function code	n.a.
	C107		M		TEXT REFERENCE	Text identification
	4441		M	an..17	Free text identification	CAM” mistake in notification “CAO” transport does not take place “CAV” the main transport destination has changed “CHD” the time of arrival has changed
	1131			an..3	Code list qualifier	n.a.
	3055			an..3	Code list responsible agency	n.a.
	C108		M			Text
	4440		M	an..70	Free text	Free description of the reason
	4440		C	an..70	Free text	Free text for further explanation
	4440		C	an..70	Free text	Free text for further explanation
	4440		C	an..70	Free text	Free text for further explanation
	4440		C	an..70	Free text	Free text for further explanation
	3453		C	an..3	Language, coded	n.a.
	4447		C	an..3	Text formatting, coded	n.a.
	HAN(1)	1	D			
	C524		M		HANDLING INSTRUCTIONS	
	4079		M		Handling instructions, coded	Default “T’ T = Transit LLO = Loading LDI = Unloading TSP= Transit in the same port

Table 1: ERI notification message ERINOT

Segment Group	Segment Composite data element (C) Data element TAG	Level	Mandatory Conditional	Format	Name	Description Qualifiers in notation marks
1	2	3	4	5	6	7
	1131		C		Code list qualifier	n.a.
	3055		C		Code list responsible agency, coded	n.a.
	4078		C		Handling intructions	n.a.
	C218		C		HAZERDOUS MATERIAL	n.a.
	7419		C		Hazardous material class code, indentification	n.a.
	1131		C		Code list qualifier	n.a.
	3055		C		Code list responsible agency, coded	n.a.
	7418		C		Hazerdous material class	n.a.
	RFF (1)	1	C		**REFERENCE**	Reference to the message for which the current message is a **replacement**. Mandatory if the message is a modification or a cancellation message
	C506		M		REFERENCE	
	1153		M	an..3	Reference qualifier	"ACW" for reference number to previous message
	1154		M	an..35 (an15)	Reference number	Message reference number from BGM, TAG 1004 of the message this message replaces.
	1156			an..6	Line number	n.a.
	4000			an..35	Reference version number	n.a.
	1060			an..6	Revision number	n.a.
	RFF (2)	1	C		**REFERENCE**	Reference to **transport document**
	C506		M		REFERENCE	
	1153		M	an..3	Reference qualifier	"FF" for "freight forwarder´s reference number"
	1154		M	an..35	Reference number	Reference number of the transport document
	1156			an..6	Line number	n.a.
	4000			an..35	Reference version number	n.a.
	1060			an..6	Revision number	n.a.
	RFF (3)	1	C		**REFERENCE**	Reference to a **test scenario**
	C506		M		REFERENCE	
	1153		M	an..3	Reference qualifier	"ADD" for test number
	1154		M	an..35	Reference number	Test scenario identification, which

Table 1: ERI notification message ERINOT

Segment Group	Segment Composite data element (C) Data element TAG	Level	Mandatory Conditional	Format	Name	Description Qualifiers in notation marks
1	2	3	4	5	6	7
						should be known at the receiving party
	1156			an..6	Line number	n.a.
	4000			an..35	Reference version number	n.a.
	1060			an..6	Revision number	n.a.
TDT	**TDT**	1	M		**DETAILS OF TRANSPORT**	Specification of the means of transport, the **naming vessel within a convoy** (a single vessel without barge is also a convoy in this context)
	8051		M	an..3	Transport stage code qualifier	"20" for main carriage transport
	8028		C	an..17	Conveyance reference number	Voyage number, defined by sender of the message.
	C220		M		MODE OF TRANSPORT	
	8067		M	an..3	Mode of transport, coded	"8" for Inland water transport", "1" for maritime transport (see UN/ECE Rec. 19)
	8066			an..17	Mode of transport	n.a.
	C228		M		TRANSPORT MEANS	
	8179		M	an..8 (an4)	Type of means of transport identification, **convoy type**	Code for ship and convoy types of means of transport from UN/CEFACT Rec. 28, see Annex 4 no. 1
	8178			an..17	Type of means of transport	n.a.
	C040				CARRIER	n.a.
	3127			an..17	Carrier identification	n.a.
	1131			an..3	Code list qualifier	n.a.
	3055			an..3	Code list responsible agency	n.a.
	3128			an..35	Carrier name	n.a.
	8101			an..3	Transit direction, coded	n.a.
	C401				EXCESS TRANSPORTATION INFORMATION	
	8457			an..3	Excess transportation reason	n.a.
	8459			an..3	Excess transportation responsibility	n.a.
	7130			an..17	Customer authorization number	n.a.
	C222		M		TRANSPORT IDENTIFICATION	
	8213		M	an..9 (an7..8)	ID. of means of transport identification	Vessel **number**: 7 digits for OFS or IMO indication, 8 digits for ERN indication and unique European

Table 1: ERI notification message ERINOT

Segment Group	Segment Composite data element (C) Data element TAG	Level	Mandatory Conditional	Format	Name	Description Qualifiers in notation marks
1	2	3	4	5	6	7
						vessel identification number
	1131		M	an..3	Code list qualifier	"OFS" for a Official Ship Number of CCNR system, see Annex 4 no. 2 "IMO" for an IMO-number, see Annex 4 no. 3 "ERN" for all other ships (Electronic Reporting International Number), see Annex 4 no. 4 "ENI" for a unique European vessel identification number, see Annex 4 no. 5
	3055			an..3	Code list responsible agency	n.a.
	8212		M	an..35	Id. Of the means of transport	**Name of the ship;** If the name results in more than 35 positions, the name of the vessel is shortened
	8453		M	an..3	Nationality of means of transport	ISO two-alpha country code 3166-1, see Annex 4 no. 12 If the nationality of the means of transport is not known the 3 digit code of the competent authority which issued the European Vessel Identification Number should be used.
	8281			an..3	Transport ownership	n.a.
TDT	**RFF (1)**	2	M		**REFERENCE**	Dimensions of the transport, **length**
	C506		M		REFERENCE	
	1153		M	an..3	Reference qualifier	"LEN" = Length
	1154		M	an..35 (n..5)	Reference number	Total length of the convoy t in centimetres
	1156			an..6	Line number	n.a.
	4000			an..35	Reference version number	n.a.
	1060			an..6	Revision number	n.a.
TDT	**RFF (2)**	2	M		**REFERENCE**	Dimensions of the transport, **width**
	C506		M		REFERENCE	
	1153		M	an..3	Reference qualifier	"WID"
	1154		M	an..35 (n..4)	Reference number	Total width of the convoy in centimetres
	1156			an..6	Line number	n.a.
	4000			an..35	Reference version number	n.a.
	1060			an..6	Revision number	n.a.

Table 1: ERI notification message ERINOT

Segment Group	Segment Composite data element (C) Data element TAG	Level	Mandatory Conditional	Format	Name	Description Qualifiers in notation marks
1	2	3	4	5	6	7
TDT	**RFF (3)**	2	M		**REFERENCE**	Dimensions of the transport, **draught**
	C506		M		REFERENCE	
	1153		M	an..3	Reference qualifier	"DRA"
	1154		M	an..35 (n..4)	Reference number	Draught of the convoy in centimetres,
	1156			an..6	Line number	n.a.
	4000			an..35	Reference version number	n.a.
	1060			an..6	Revision number	n.a.
TDT	**RFF (4)**	2	**C**		**REFERENCE**	Dimensions of the transport, **the height**
	C506		M		REFERENCE	
	1153		M	an..3	Reference qualifier	"HGT"
	1154		M	an..35 (n..4)	Reference number	Height of the convoy above the waterline in centimetres,
	1156			an..6	Line number	n.a.
	4000			an..35	Reference version number	n.a.
	1060			an..6	Revision number	n.a.
TDT	**RFF (5)**	2	M		**REFERENCE**	Dimensions of the transport**, tonnage**
	C506		M		REFERENCE	Reference
	1153		M	an..3	Reference qualifier	"TON"
	1154		M	an..35 (n..5)	Reference number	Maximum capacity of the convoy in metric tonnes,
	1156			an..6	Line number	n.a.
	4000			an..35	Reference version number	n.a.
	1060			an..6	Revision number	n.a.
TDT	**RFF (6)**	2	C		**REFERENCE**	**National voyage reference, Belgium**
	C506		M		REFERENCE	Reference
	1153		M	an..3	Reference qualifier	"GNB"
	1154		M	an..35	Reference number	Government reference of Belgium
	1156			an..6	Line number	n.a.
	4000			an..35	Reference version number	n.a.
	1060			an..6	Revision number	n.a.

Table 1: ERI notification message ERINOT

Segment Group	Segment Composite data element (C) Data element TAG	Level	Mandatory Conditional	Format	Name	Description Qualifiers in notation marks
1	2	3	4	5	6	7
TDT	**RFF (7)**	2	C		**REFERENCE**	**National voyage reference, France**
	C506		M		REFERENCE	Reference
	1153		M	an..3	Reference qualifier	"GNF"
	1154		M	an..35	Reference number	Government reference of France
	1156			an..6	Line number	n.a.
	4000			an..35	Reference version number	n.a.
	1060			an..6	Revision number	n.a.
TDT	**RFF (8)**	2	C		**REFERENCE**	**National voyage reference, Germany**
	C506		M		REFERENCE	Reference
	1153		M	an..3	Reference qualifier	"GNG"
	1154		M	an..35	Reference number	Government reference of Germany
	1156			an..6	Line number	n.a.
	4000			an..35	Reference version number	n.a.
	1060			an..6	Revision number	n.a.
TDT	**RFF (9)**	2	C		**REFERENCE**	**National voyage reference, reserved 1**
	C506		M		REFERENCE	Reference
	1153		M	an..3	Reference qualifier	"GN1"
	1154		M	an..35	Reference number	Government reference,reserved 1
1	1156			an..6	Line number	n.a.
	4000			an..35	Reference version number	n.a.
	1060			an..6	Revision number	n.a.
TDT	**LOC (1)**	2	M		**PLACE/LOCATION IDENTIFICATION**	**Port of departure**, the port where the transport starts
	3227		M	an..3	Place / location qualifier	"5" place of departure
	C517		M		LOCATION IDENTIFICATION	
	3225		M	an..25 (an5)	Place / location identification	UN/ECE Location code (Rec. 16), see Annex 4 no. 13
	1131			an..3	Code list qualifier	n.a.
	3055			an..3	Code list responsible	n.a.

Table 1: ERI notification message ERINOT

Segment Group	Segment Composite data element (C) Data element TAG	Level	Mandatory Conditional	Format	Name	Description Qualifiers in notation marks
1	2	3	4	5	6	7
					agency	
	3224		C	an..70 (an..17)	Place / location	Full name of the port location
	C519		C		RELATED LOCATION ONE IDENTIFICATION	
	3223		M	an..25 (an..5)	Related place / location one identification	Terminal code, see Annex 4 no. 15
	1131			an..3	Code list qualifier	n.a.
	3055			an..3	Code list responsible agency	n.a.
	3222			an..70	Related place / location one	Full name of the terminal.
	C553		C		RELATED LOCATION TWO IDENTIFICATION	
	3233		M	an..25 (an5)	Related place / location two identification	Fairway section code, see Annex 4 no. 14
	1131			an..3	Code list qualifier	
	3055			an..3	Code list responsible agency	n.a.
	3232		C	an..70 (an..5)	Related place / location two	Fairway section hectometre
	5479			an..3	Relation	n.a.
TDT	**LOC (2)**	2	C		**PLACE/LOCATION IDENTIFICATION**	**Passage point that has already being passed** by the ship. This segment and the TDT/DTM(2) segment with qualifier 186 are mandatory for passage reports
	3227		M	an..3	Place / location qualifier	“172” for passage point
	C517		M		LOCATION IDENTIFICATION	
	3225		M	an..25 (an5)	Place / location identification	UN/ECE Location code (Rec. 16) of the passage point (lock, bridge, traffic centre), see Annex 4 no. 13
	1131			an..3	Code list qualifier	n.a.
	3055			an..3	Code list responsible agency	n.a.
	3224		C	an..70 (an..17)	Place / location	Full name of the passage point
	C519		C		RELATED LOCATION ONE IDENTIFICATION	
	3223		M	an..25 (an..5)	Related place / location one identification	Passage point code
	1131			an..3	Code list qualifier	n.a.
	3055			an..3	Code list responsible	n.a.

Table 1: ERI notification message ERINOT

Segment Group	Segment Composite data element (C) Data element TAG	Level	Mandatory Conditional	Format	Name	Description Qualifiers in notation marks
1	2	3	4	5	6	7
					agency	
	3222			an..70	Related place / location one	n.a.
	C553		C		RELATED LOCATION TWO IDENTIFICATION	
	3233		M	an..25 (an5)	Related place / location two identification	Fairway section code, see Annex 4 no. 14
	1131			an..3	Code list qualifier	
	3055			an..3	Code list responsible agency	n.a.
	3232		C	an..70 (an..5)	Related place / location two	Fairway section hectometre
	5479			an..3	Relation	n.a.
TDT	**LOC (3)**	2	C		**PLACE/LOCATION IDENTIFICATION**	**Next passage point**
	3227		M	an..3	Place / location qualifier	“61 ” for next port of call
	C517		M		LOCATION IDENTIFICATION	
	3225		M	an..25 (an5)	Place / location identification	UN/ECE Location code (Rec. 16) of the passage point (lock, bridge, VTS centre) , see Annex 4 no. 13
	1131			an..3	Code list qualifier	n.a.
	3055			an..3	Code list responsible agency	n.a.
	3224		C	an..70 (an..17)	Place / location	Full name of the passage point
	C519		C		RELATED LOCATION ONE IDENTIFICATION	
	3223		M	an..25	Related place / location one identification	Passage point code
	1131			an..3	Code list qualifier	n.a.
	3055			an..3	Code list responsible agency	n.a.
	3222			an..70	Related place / location one	n.a.
	C553		C		RELATED LOCATION TWO IDENTIFICATION	
	3233		M	an..25 (an5)	Related place / location two identification	Fairway section code, see Annex 4 no. 14
	1131			an..3	Code list qualifier	
	3055			an..3	Code list responsible agency	n.a.
	3232		C	an..70 (an..5)	Related place / location two	Fairway section hectometre
	5479			an..3	Relation	n.a.

Table 1: ERI notification message ERINOT

Segment Group	Segment Composite data element (C) Data element TAG	Level	Mandatory Conditional	Format	Name	Description Qualifiers in notation marks
1	2	3	4	5	6	7
TDT	**LOC (4..8)**	2	C		**PLACE/LOCATION IDENTIFICATION**	**Further future passage points** (information on intended route). At most five intermediate points on the route can be given. The order of passage should be the order within the message.
	3227		M	an..3	Place / location qualifier	"92 " for routing
	C517		M		LOCATION IDENTIFICATION	
	3225		M	an..25 (an5)	Place / location identification	UN/ECE Location Code (Rec. 16) of the passage point (lock, bridge, traffic centre) , see Annex 4 no. 13
	1131			an..3	Code list qualifier	n.a.
	3055			an..3	Code list responsible agency	n.a.
	3224		C	an..17	Place / location	Full name of the passage point
	C519		C		RELATED LOCATION ONE IDENTIFICATION	
	3223		M	an..25 (an..5)	Related place / location one identification	Passage point code
	1131			an..3	Code list qualifier	n.a.
	3055			an..3	Code list responsible agency	n.a.
	3222			an..70	Passage datetime	YYMMDDHHMM as "201" of DTM 2379
	C553		C		RELATED LOCATION TWO IDENTIFICATION	
	3233		M	an..25 (an5)	Related place / location two identification	Fairway section code, see Annex 4 no. 14
	1131			an..3	Code list qualifier	
	3055			an..3	Code list responsible agency	n.a.
	3232		C	an..70 (an..5)	Related place / location two	Fairway section hectometre
	5479			an..3	Relation	n.a.
TDT	**LOC (9)**	2	M		**PLACE/LOCATION IDENTIFICATION**	**Port of destination**. This is the first port where the transport is bound.
	3227		M	an..3	Place / location qualifier	"153" for place of call
	C517		M		LOCATION IDENTIFICATION	
	3225		M	an..25 (an5)	Place / location identification	UN/ECE Location code (Rec. 16) of the port, see Annex 4 no. 13
	1131			an..3	Code list qualifier	n.a.
	3055			an..3	Code list responsible agency	n.a.

Table 1: ERI notification message ERINOT

Segment Group	Segment Composite data element (C) Data element TAG	Level	Mandatory Conditional	Format	Name	Description Qualifiers in notation marks
1	2	3	4	5	6	7
	3224		C	an..70 (an..17)	Place / location	Full name of the port location
	C519		C		RELATED LOCATION ONE IDENTIFICATION	
	3223		M	an..25 (an..5)	Related place / location one identification	Terminal code, see Annex 4 no. 15
	1131			an..3	Code list qualifier	n.a.
	3055			an..3	Code list responsible agency	n.a.
	3222			an..70	Related place / location one	Full name of the terminal.
	C553		C		RELATED LOCATION TWO IDENTIFICATION	
	3233		M	an..25 (an5)	Related place / location two identification	Fairway section code, see Annex 4 no. 14
	1131			an..3	Code list qualifier	
	3055			an..3	Code list responsible agency	n.a.
	3232		C	an..70 (an..5)	Related place / location two	Fairway section hectometre
	5479			an..3	Relation	n.a.
TDT	**DTM (1)** to LOC(1)	2	C		**DATE / TIME / PERIOD**	**Departure time** (estimated).
	C507		M		DATE / TIME / PERIOD	
	2005		M	an..3	Date or time or period function code qualifier	“133” for departure date/time, estimated
	2380		M	an..35	Date or time period value	Value of departure time
	2379		M	an..3	Date or time or period format code	“201” for YYMMDDHHMM
TDT	**DTM (2)** to LOC (2)	2	C		**DATE / TIME / PERIOD**	**Passage time**, as **recorded** by the traffic centre
	C507		M		DATE / TIME / PERIOD	
	2005		M	an..3	Date or time or period function code qualifier	“186” for departure time, actual
	2380		M	an..35	Date or time period value	Value of passage time: YYMMDDHHMM
	2379		M	an..3	Date or time or period format code	“201” for YYMMDDHHMM
TDT	**DTM (3)** to LOC (9**)**	2	C		**DATE / TIME / PERIOD**	**Estimated time of arrival at port of destination**
	C507		M		DATE / TIME / PERIOD	

Table 1: ERI notification message ERINOT

Segment Group	Segment Composite data element (C) Data element TAG	Level	Mandatory Conditional	Format	Name	Description Qualifiers in notation marks
1	2	3	4	5	6	7
	2005		M	an..3	Date or time or period function code qualifier	“132” for arrival time, estimated
	2380		M	an..35	Date or time period value	Value of arrival time: YYMMDDHHMM
	2379		M	an..3	Date or time or period format code	“201” for YYMMDDHHMM
NAD	**NAD (1)**	1	M		**NAME and ADDRESS**	name and address of **message sender**
	3035		M	an..3	Party function code qualifier	“MS” for Message sender
	C082		C		PARTY IDENTIFICATION DATAILS	
	3039		M	an..35	Party identification	Identification code. For notifications to the Port of Rotterdam this element is mandatory. ERI fills this element with ‘900000000’
	1131			an..3	Code list qualifier	n.a.
	3055			an..3	Code list responsible agency	n.a.
	C058				NAME AND ADDRESS	n.a.
	3124			an..35	Name and address line	n.a.
	3124			an..35	Name and address line	n.a.
	3124			an..35	Name and address line	n.a.
	3124			an..35	Name and address line	n.a.
	3124			an..35	Name and address line	n.a.
	C080		M		PARTY NAME	
	3036		M	an..35	Party name	Sender name.
	3036			an..35	Party name	n.a.
	3036			an..35	Party name	n.a.
	3036			an..35	Party name	n.a.
	3036			an..35	Party name	n.a.
	3045			an..3	Party name format, coded	n.a.
	C059		C		STREET	
	3042		M	an..35	Street and number / p.o. box	Street and number or post office box
	3042			an..35	Street and number / p.o. box	n.a.
	3042			an..35	Street and number / p.o. box	n.a.
	3042			an..35	Street and number / p.o. box	n.a.
	3164		C	an..35	City name	City

Table 1: ERI notification message ERINOT

Segment Group	Segment Composite data element (C) Data element TAG	Level	Mandatory Conditional	Format	Name	Description Qualifiers in notation marks
1	2	3	4	5	6	7
	3229			an..9	Country sub-entity identification	n.a.
	3251		C	an..9	postcode identification	Postal identification code
	3207		C	an..3	country	ISO 3166-1 two alpha country code, see Annex 4 no.12
NAD	**CTA**	2	C		**CONTACT INFORMATION**	Sender contact details
	3139			an..3	Contact function	n.a.
	C056		M		DEPARTMENT OR EMPLOYEE DETAILS	
	3413			an..17	Department or employee identification	n.a.
	3412		M	an..35	Department or employee	“ERI”, dummy value
NAD/CTA	**COM**	4	C		**COMMUNICATION CONTACT**	Sender communication contact details (Max. 4 times)
	C076		M		COMMUNICATION CONTACT	
	3148		M	an..70	Communication number	Communication number
	3155		M	an..3	Communication channel qualifier	“TE” for telephone number “FX” for fax number “EM” for E-mail address “EI” for EDI mailbox number (EDI number **or** E-mail address for NAD 1 is mandatory if a response in the form of an ERIRSP message is requested for. If no response is requested, the EDI number and E-mail address is not to be used).
NAD	**NAD (2)**	1	C		**NAME and ADDRESS**	Name and address of **agent/invoicee**
	3035		M	an..3	Party function code qualifier	"CG" for agent / invoice address (for VNF this segment is mandatory).
	C082		C		PARTY IDENTIFICATION DATAILS	
	3039		M	an..35	Party identification	Identification code. For notifications to the Port of Rotterdam this element is mandatory. ERI fills this element with ‘900000000’
	1131			an..3	Code list qualifier	n.a.
	3055			an..3	Code list responsible agency	n.a.
	C058				NAME AND ADDRESS	n.a.

Table 1: ERI notification message ERINOT

Segment Group	Segment Composite data element (C) Data element TAG	Level	Mandatory Conditional	Format	Name	Description Qualifiers in notation marks
1	2	3	4	5	6	7
	3124			an..35	Name and address line	n.a.
	3124			an..35	Name and address line	n.a.
	3124			an..35	Name and address line	n.a.
	3124			an..35	Name and address line	n.a.
	3124			an..35	Name and address line	n.a.
	C080		M		PARTY NAME	
	3036		M	an..35	Party name	Sender name.
	3036		C	an..35 (an..25)	Invoice number	Invoice number of the agent/invoicee
	3036			an..35	Party name	n.a.
	3036			an..35	Party name	n.a.
	3036			an..35	Party name	n.a.
	3045			an..3	Party name format, coded	n.a.
	C059		C		STREET	Street
	3042		M	an..35	Street and number / p.o. box	Address (street name + number or post office box number)
	3042			an..35	Street and number / p.o. box	n.a.
	3042			an..35	Street and number / p.o. box	n.a.
	3042			an..35	Street and number / p.o. box	n.a.
	3164		C	an..35	City name	City
	3229			an..9	Country sub-entity identification	n.a.
	3251		C	an..9	Postcode identification	Postal code
	3207		C	an..3	Country	ISO 3166-1 two alpha country code, see Annex 4 no. 12
EQD	**EQD (V) (1)**	1	M		**EQUIPMENT DETAILS**	Specification of the **VESSELS** within the convoy (for each vessel 1 segment, also the main vessel), **propulsed vessel**
	8053		M	an..3	Equipment type code qualifier	"BRY" for vessel participating in the propulsion.
	C237		M		EQUIPMENT IDENTIFICATION	
	8260		M	an..17 (an7) (an8)	Equipment identification number	Vessel **number**: 7 digits for OFS or IMO indication, 8 digits for ERN indication and unique European vessel identification number
	1131		M	an..3	Code list qualifier	"OFS" for an Official Ship Number of CCNR system, see Annex 4 no. 2 "IMO" for an IMO number, see Annex 4 no. 3

Table 1: ERI notification message ERINOT

Segment Group	Segment Composite data element (C) Data element TAG	Level	Mandatory Conditional	Format	Name	Description Qualifiers in notation marks
1	2	3	4	5	6	7
						"ERN" for an Electronic Reporting International Number, see Annex 4 no. 4 "ENI" for a unique European vessel identification number, see Annex 4 no. 5
	3055			an..3	Code list responsible agency	n.a.
	3207			an..3	Country	n.a.
	C224		M		EQUIPMENT SIZE AND TYPE	
	8155		M	an..10 (an..4)	Equipment size and type identification, **vessel type**	Code for ship and convoy types of means of transport from UN/CEFACT Rec. 28, see Annex 4 no. 1
	1131			an..3	Code list qualifier	n.a.
	3055			an..3	Code list responsible agency	n.a.
	8154			an..35	Equipment size and type	**Name** of the vessel. If the name results in more than 35 positions, the name of the vessel is shortened
	8077			an..3	Equipment supplier	n.a.
	8249			an..3	Equipment status	n.a.
	8169			an..3	Full / empty indicator	n.a.
EQD	**EQD (V) (2 - 15)**	1	C		**EQUIPMENT DETAILS**	Specification of the **VESSELS** within the convoy (for each vessel 1 segment, also the main vessel) **not propulsed vessels**
	8053		M	an..3	Equipment type code qualifier	"BRN" for vessel not participating in the propulsion
	C237		M		EQUIPMENT IDENTIFICATION	
	8260		M	an..17 (an7..8)	Equipment identification number	Vessel **number**: 7 digits for OFS or IMO indication, 8 digits for ERN indication and unique European vessel identification number
	1131		M	an..3	Code list qualifier	"OFS" for an Official Ship Number of the CCNR system, see Annex 4 no. 2 "IMO" for an IMO number, see Annex 4 no. 3 "ERN" for an Electronic Reporting Number, see Annex 4 no. 4, "ENI" for a unique European vessel identification number, see Annex 4 no. 5.
	3055			an..3	Code list responsible agency	n.a.
	3207			an..3	Country	n.a.
	C224		M		EQUIPMENT SIZE AND	

Table 1: ERI notification message ERINOT

Segment Group	Segment Composite data element (C) Data element TAG	Level	Mandatory Conditional	Format	Name	Description Qualifiers in notation marks
1	2	3	4	5	6	7
					TYPE	
	8155		M	an..10 (an..4)	Equipment size and type identification, **vessel type**	Code for ship and convoy types of means of transport from UN/CEFACT Rec. 28, see Annex 4 no. 1
	1131			an..3	Code list qualifier	n.a.
	3055			an..3	Code list responsible agency	n.a.
	8154			an..35	Equipment size and type	**Name** of the vessel. If the name results in more than 35 positions, the name of the vessel is shortened.
	8077			an..3	Equipment supplier	n.a.
	8249			an..3	Equipment status	n.a.
	8169			an..3	Full / empty indicator	n.a.
EQD	**MEA (1)**	2	M		**MEASUREMENTS**	**Vessel Length**
	6311		M	an..3	Measurement purpose qualifier	**"**DIM" for dimension
	C502				MEASUREMENT DETAILS	
	6313			an..3	Property measured	"LEN" for length
	6321			an..3	Measurement significance	n.a.
	6155			an..17	Measurement attribute identification	n.a.
	6154			an..70	Measurement attribute	n.a.
	C174		M		VALUE/RANGE	
	6411		M	an..3	Measurement unit qualifier	"CMT" for centimetre (UN/ECE Rec 20, Annex 3. Common code)
	6314		M	an..18 (n5)	Measurement value	Length
	6162			n..18	Range minimum	n.a.
	6152			n..18	Range maximum	n.a.
	6432			n..2	Significant digits	n.a.
	7383			an..3	Surface / layer indicator	n.a.
EQD	**MEA (2)**	2	M		**MEASUREMENTS**	**Vessel Width**
	6311		M	an..3	Measurement purpose code qualifier	**"**DIM" for dimension
	C502				MEASUREMENT DETAILS	
	6313			an..3	Property measured	"WID" for width.
	6321			an..3	Measurement significance	n.a.
	6155			an..17	Measurement attribute identification	n.a.
	6154			an..70	Measurement attribute	n.a.

Table 1: ERI notification message ERINOT

Segment Group	Segment Composite data element (C) Data element TAG	Level	Mandatory Conditional	Format	Name	Description Qualifiers in notation marks
1	2	3	4	5	6	7
	C174		M		VALUE/RANGE	
	6411		M	an..3	Measurement unit qualifier	“CMT” for centimetre (UN/ECE Rec 20, Annex 3: Common code)
	6314		M	an..18 (n4)	Measurement value	Width
	6162			n..18	Range minimum	n.a.
	6152			n..18	Range maximum	n.a.
	6432			n..2	Significant digits	n.a.
	7383			an..3	Surface / layer indicator	n.a.
EQD	**MEA (3)**	2	M		**MEASUREMENTS**	**Vessel Draught**
	6311		M	an..3	Measurement purpose code qualifier	“DIM” for dimension
	C502				MEASUREMENT DETAILS	Size details
	6313			an..3	Property measured	”DRA” for draught
	6321			an..3	Measurement significance	n.a.
	6155			an..17	Measurement attribute identification	n.a.
	6154			an..70	Measurement attribute	n.a.
	C174		M		VALUE/RANGE	
	6411		M	an..3	Measurement unit qualifier	“CMT” for centimetre (UN/ECE Rec 20, Common code)
	6314		M	an..18 (n4)	Measurement value	Draught
	6162			n..18	Range minimum	n.a.
	6152			n..18	Range maximum	n.a.
	6432			n..2	Significant digits	n.a.
	7383			an..3	Surface / layer indicator	n.a.
EQD	**MEA (4)**	2	C		**MEASUREMENTS**	**Vessel Tonnage**
	6311		M	an..3	Measurement purpose code qualifier	**“VOL” for volume**
	C502				MEASUREMENT DETAILS	Size details
	6313			an..3	Property measured	“AAM” for gross tonnage.
	6321			an..3	Measurement significance	n.a.
	6155			an..17	Measurement attribute identification	n.a.
	6154			an..70	Measurement attribute	n.a.
	C174		M		VALUE/RANGE	

Table 1: ERI notification message ERINOT

Segment Group	Segment Composite data element (C) Data element TAG	Level	Mandatory Conditional	Format	Name	Description Qualifiers in notation marks
1	2	3	4	5	6	7
	6411		M	an..3	Measurement unit qualifier	"TNE" for metric ton (UN/ECE Rec 20, Common code)
	6314		M	an..18 (n6)	Measurement value	Tonnage (capacity)
	6162			n..18	Range minimum	n.a.
	6152			n..18	Range maximum	n.a.
	6432			n..2	Significant digits	n.a.
	7383			an..3	Surface / layer indicator	n.a.
	EQD (C) (1..15)	1	C		**EQUIPMENT DETAILS**	Specification of the number of **CONTAINERS**
	8053		M	an..3	Equipment type code qualifier	"CN" for container
	C237				EQUIPMENT IDENTIFICATION	
	8260			an..17	Equipment identification number	n.a.
	1131			an..3	Code list qualifier	n.a.
	3055			an..3	Code list responsible agency	n.a.
	3207			an..3	Country	n.a.
	C224		M		EQUIPMENT SIZE AND TYPE	
	8155		M	an..10 (an5)	Equipment size and type identification	Container **range**: "RNG20" for containers having a length between 20 and 29 feet, "RNG30" for containers having a length between 30 and 39 feet, "RNG40" for containers having a length of 40 feet or more
	1131			an..3	Code list qualifier	n.a.
	3055			an..3	Code list responsible agency	n.a.
	8154			an..35	Equipment size and type	n.a.
	8077			an..3	Equipment supplier	n.a.
	8249			an..3	Equipment status	n.a.
	8169		M	an..3	Full / empty indicator	Container **status**: "5" for loaded, "4" for empty, "6" for no volume available
EQD	**MEA (5)**	2	M	**EQD(2)**	**MEASUREMENTS**	Specification of the **number of containers**
	6311		M	an..3 (an2)	Measurement purpose qualifier	"NR" for number
	C502				MEASUREMENT DETAILS	n.a.

Table 1: ERI notification message ERINOT

Segment Group	Segment Composite data element (C) Data element TAG	Level	Mandatory Conditional	Format	Name	Description Qualifiers in notation marks
1	2	3	4	5	6	7
	6313			an..3	Property measured	n.a.
	6321			an..3	Measurement significance	n.a.
	6155			an..17	Measurement attribute identification	n.a.
	6154			an..70	Measurement attribute	n.a.
	C174		M		VALUE/RANGE	
	6411		M	an..3	Measurement unit qualifier	"NUM" for number (see UN/ECE Rec. 20, common code)
	6314		M	an..18 (n1..4)	Measurement value	Number of containers of the given type and status.
	6162			n..18	Range minimum	n.a.
	6152			n..18	Range maximum	n.a.
	6432			n..2	Significant digits	n.a.
	7383			an..3	Surface / layer indicator	n.a.
CNI	**CNI**	1	M		**CONSIGNMENT INFORMATION**	**Consignment** (similar source / destination) specification of the transported **cargo**
	1490		M	n..4	Consolidation item number	Sequence number of the consigment. For modifications, the same sequence number is to be used
	C503				DOCUMENT / MESSAGE DETAILS	n.a.
	1004			an..35	Document / message number	n.a.
	1373			an..3	Document / message status, coded	n.a.
	1366			an..70	Document / message source	n.a.
	3453			an..3	Language, coded	n.a.
	1056			an..9	Version	n.a.
	1060			an..6	Revision number	n.a.
	1312			n..4	Consignment load sequence number	n.a.
	HAN(1)	1	D			
	C524		M		HANDLING INSTRUCTIONS	
	4079		M		Handling instructions, coded	Default "T'
	1131		C		Code list qualifier	n.a.
	3055		C		Code list responsible	n.a.

Table 1: ERI notification message ERINOT

Segment Group	Segment Composite data element (C) Data element TAG	Level	Mandatory Conditional	Format	Name	Description Qualifiers in notation marks
1	2	3	4	5	6	7
					agency, coded	
	4078		C		Handling intructions	n.a.
	C218		C		HAZERDOUS MATERIAL	n.a.
	7419		C		Hazardous material class code, indentification	n.a.
	1131		C		Code list qualifier	n.a.
	3055		C		Code list responsible agency, coded	n.a.
	7418		C		Hazerdous material class	n.a.
CNI	**DTM (1)**	2	C		**DATE / TIME / PERIOD**	Estimated **arrival time** at the discharge place
	C507		M		DATE / TIME / PERIOD	
	2005		M	an..3	Date or time or period function code qualifier	“132” for arrival time, estimated
	2380		M	an..35	Date or time period value	Value of arrival time: YYMMDDHHMM
	2379		M	an..3	Date or time or period format code	“201” for YYMMDDHHMM
CNI	**DTM (2)**	2	C		**DATE / TIME / PERIOD**	Estimated **departure time** from the loading place
	C507		M		DATE / TIME / PERIOD	
	2005		M	an..3	Date or time or period function code qualifier	“133” for departure time, estimated
	2380		M	an..35	Date or time period value	Time: YYMMDDHHMM
	2379		M	an..3	Date or time or period format code	“201”
CNI	**LOC (1)**	2	C		**PLACE / LOCATION IDENTIFICATION**	Specification of the **loading place** of the cargo
	3227		M	an..3	Place / location qualifier	“9” for place / port of loading
	C517		M		LOCATION IDENTIFICATION	
	3225		M	an..25 (an5)	Place / location identification	UN/ECE Location code (Rec. 16), of the loading place, see Annex 4 no. 13
	1131			an..3	Code list qualifier	n.a.
	3055			an..3	Code list responsible agency	n.a.
	3224		C	an..70	Place / location	Full name of the port location

Table 1: ERI notification message ERINOT

Segment Group	Segment Composite data element (C) Data element TAG	Level	Mandatory Conditional	Format	Name	Description Qualifiers in notation marks
1	2	3	4	5	6	7
				(an..17)		
	C519		C		RELATED LOCATION ONE IDENTIFICATION	
	3223		M	an..25 (an..5)	Related place / location one identification	Terminal code, see Annex 4 no. 15
	1131			an..3	Code list qualifier	n.a.
	3055			an..3	Code list responsible agency	n.a.
	3222			an..70 (an..17)	Related place / location one	Full name of the terminal
	C553		C		RELATED LOCATION TWO IDENTIFICATION	
	3233		M	an..25 (an5)	Related place / location two identification	Fairway section code, see Annex 4 no. 14
	1131			an..3	Code list qualifier	n.a.
	3055			an..3	Code list responsible agency	n.a.
	3232		C	an..70 (an..5)	Related place / location two	Fairway section hectometre
	5479			an..3	Relation	n.a.
CNI	**LOC (2)**	2	C		**PLACE / LOCATION IDENTIFICATION**	Specification of the **discharge place** of the cargo
	3227		M	an..3	Place / location qualifier	"11" for place / port of discharge
	C517		M		LOCATION IDENTIFICATION	
	3225		M	an..25 (an5)	Place / location identification	UN/ECE Location code (Rec. 16), see Annex 4 no. 13
	1131			an..3	Code list qualifier	n.a.
	3055			an..3	Code list responsible agency	n.a.
	3224		C	an..70 (an..17)	Place / location	Full name of the port
	C519		C		RELATED LOCATION ONE IDENTIFICATION	
	3223		M	an..25 (an..5)	Related place / location one identification	Terminal code, see Annex 4 no. 15
	1131			an..3	Code list qualifier	n.a.
	3055			an..3	Code list responsible agency	n.a.
	3222		C	an..70 (an..17)	Related place / location one	Full name of terminal
	C553		C		RELATED LOCATION TWO IDENTIFICATION	

Table 1: ERI notification message ERINOT

Segment Group	Segment Composite data element (C) Data element TAG	Level	Mandatory Conditional	Format	Name	Description Qualifiers in notation marks
1	2	3	4	5	6	7
	3233		M	an..25 (an5)	Related place / location two identification	Fairway section code, see Annex 4 no. 14
	1131			an..3	Code list qualifier	n.a.
	3055			an..3	Code list responsible agency	n.a.
	3232		C	an..70 (an.. 5)	Related place / location two	Fairway section hectometre
	5479			an..3	Relation	n.a.
CNI/ NAD	**NAD (1)**	2	C		**NAME AND ADDRESS**	**Cargo sender** name
	3035		M	an..3	Party function code qualifier	“SF” for ship from
	C082		C		PARTY IDENTIFICATION DETAILS	
	3039		M	an..35 (an..25)	Party identifier	EDI number of cargo sender
	1131			an..3	Code list qualifier	n.a.
	3055			an..3	Code list responsible agency	n.a.
	C058				NAME AND ADDRESS	
	3124			an..35	Name and address line	n.a.
	3124			an..35	Name and address line	n.a.
	3124			an..35	Name and address line	n.a.
	3124			an..35	Name and address line	n.a.
	3124			an..35	Name and address line	n.a.
	C080		M		PARTY NAME	
	3036		M	an..35	Party name	Ship from name.
	3036		C	an..35 (an..25)	Party name	Invoice number
	3036			an..35	Party name	n.a.
	3036			an..35	Party name	n.a.
	3036			an..35	Party name	n.a.
	3045			an..3	Party name format, coded	n.a.
	C059				STREET	Street
	3042			an..35	**Street and number or post office box**	
	3042			an..35	Street and number / p.o. box	n.a.
	3042			an..35	Street and number / p.o. box	n.a.
	3042			an..35	Street and number / p.o. box	n.a.

Table 1: ERI notification message ERINOT

Segment Group	Segment Composite data element (C) Data element TAG	Level	Mandatory Conditional	Format	Name	Description Qualifiers in notation marks
1	2	3	4	5	6	7
	3164		M	an..35	City name	
	3229			an..9	Country sub-entity identification	n.a.
	3251			an..9	Postcode identification	n.a.
	3207			an..3	Country	n.a.
CNI/ NAD	**NAD (2)**	2	C		**NAME AND ADDRESS**	**Cargo receiver** name
	3035		M	an..3	Party function code qualifier	"ST" for ship to
	C082		M		PARTY IDENTIFICATION DETAILS	
	3039		M	an..35 (an..25)	Party identification	EDI number of receiver of cargo
	1131			an..3	Code list qualifier	n.a.
	3055			an..3	Code list responsible agency	n.a.
	C058				NAME AND ADDRESS	n.a.
	3124			an..35	Name and address line	n.a.
	3124			an..35	Name and address line	n.a.
	3124			an..35	Name and address line	n.a.
	3124			an..35	Name and address line	n.a.
	3124			an..35	Name and address line	n.a.
	C080		M		PARTY NAME	
	3036		M	an..35	Party name	Ship to name
	3036		C	an..35 (an..25)	Party name	Invoice number.
	3036			an..35	Party name	n.a.
	3036			an..35	Party name	n.a.
	3036			an..35	Party name	n.a.
	3045			an..3	Party name format, coded	n.a.
	C059				STREET	Street
	3042			an..35	Street and number / p.o. box	
	3042			an..35	Street and number / p.o. box	n.a.
	3042			an..35	Street and number / p.o. box	n.a.
	3042			an..35	Street and number / p.o. box	n.a.
	3164		M	an..35	City name	
	3229			an..9	Country sub-entity	n.a.

Table 1: ERI notification message ERINOT

Segment Group	Segment Composite data element (C) Data element TAG	Level	Mandatory Conditional	Format	Name	Description Qualifiers in notation marks
1	2	3	4	5	6	7
					identification	
	3251			an..9	Postcode identification	n.a.
	3207			an..3	Country	n.a.
CNI	**GID (1..99)**	2	M		**GOODS ITEM DETAILS**	per **vessel** and per **good** a new GID segment
	1496		M	n..5	Goods item number	Sequence number of the good within a consigment. Unique within the CNI
	C213				NUMBER AND TYPE OF PACKAGES	
	7224		C	n..8	Number of packages	Default value is “1”
	7065			an..17	Type of packages identification	see Annex 4 no. 18
	1131			an..3	Code list qualifier	n.a.
	3055			an..3	Code list responsible agency	n.a.
	7064			an..35	Type of packages	n.a.
	7233			an..3	Packaging related information, coded	n.a.
	C213				NUMBER AND TYPE OF PACKAGES	n.a.
	7224			n..8	Number of packages	n.a.
	7065			an..17	Type of packages identification	n.a.
	1131			an..3	Code list qualifier	n.a.
	3055			an..3	Code list responsible agency	n.a.
	7064			an..35	Type of packages	n.a.
	7233			an..3	Packaging related information	n.a.
	C213		C		NUMBER AND TYPE OF PACKAGES	
	7224		M	n..8	Number of packages	Number of inner **packages**
	7065		M	an..17 (a2)	Type of packages identification	UN/ECE recommendation No. 21, see Annex 4 no. 18
	1131			an..3	Code list qualifier	n.a.
	3055			an..3	Code list responsible agency	n.a.
	7064			an..35	Type of packages	n.a.
	7233			an..3	Packaging related information	n.a.

Table 1: ERI notification message ERINOT

Segment Group	Segment Composite data element (C) Data element TAG	Level	Mandatory Conditional	Format	Name	Description Qualifiers in notation marks
1	2	3	4	5	6	7
CNI/ GID	**FTX (1)**	3	C		**FREE TEXT**	**Extra goods information**
	4451		M	an..3	Text subject code qualifier	"ACB" for additional information
	4453			an..3	Free text function code	n.a.
	C107				TEXT REFERENCE	
	4441			an..17	Free text identification	n.a.
	1131			an..3	Code list qualifier	n.a.
	3055			an..3	Code list responsible agency	n.a.
	C108		M		TEXT LITERAL	
	4440		M	an..70 (an1)	Free text	**type of good**: "D" for Dangerous "N" for Non-dangerous
	4440		C	an..70 (n6..10)	Free text	**HS code**, can be left blank if unknown and good is dangerous, see Annex 4 no. 6
	4440		C	an..70 (a1)	Free text	**Customs status**: "T" = Third country good "C" = Communal good "F" = Good from non-fiscal area "X" = Good declared for export in a member state
	4440		C	an..70 (an..35)	Free text	Customs document reference **number** for goods of type "T", "F", or "X"
	4440		C	an..70 (an1)	Free text	Overseas destination "Y" = with overseas destination "N" = without an overseas destination
	3453			an..3	Language	n.a.
	4447			an..3	Text formatting	n.a.
CNI/ GID	**FTX (2)**	3	C		**FREE TEXT**	**Goods description of non-dangerous cargo**
	4451		M	an..3	Text subject code qualifier	"AAA" for goods description
	4453			an..3	Free text function code	n.a.
	C107				TEXT REFERENCE	n.a.
	4441			an..17	Free text identification	n.a.
	1131			an..3	Code list qualifier	n.a.
	3055			an..3	Code list responsible agency	n.a.
	C108		M		TEXT LITERAL	
	4440		M	**an..70**	Free text	Goods **name** of the non-dangerous cargo
	4440		C	an..70 (n6)	Free text value	**NST/R code** of the non-dangerous cargo. Extended by "00" if only 4 digits are known, and

Table 1: ERI notification message ERINOT

Segment Group	Segment Composite data element (C) Data element TAG	Level	Mandatory Conditional	Format	Name	Description Qualifiers in notation marks
1	2	3	4	5	6	7
						"000" if only 3 digits are known, see Annex 4 no. 8.
	4440		C	an..70 (n6..10)	Free text	**HS code** of the non-dangerous cargo, see Annex 4 no. 6
	4440			an..70	Free text	Aditional goods description.
	4440			an..70	Free text	n.a.
	3453			an..3	Language, coded	n.a.
	4447			an..3	Text formatting	n.a.
CNI/ GID	**SGP (1..99)**	3	C		**SPLIT GOODS PLACEMENT**	**Specification of the location of the non-dangerous cargo within the means of transport**
	C237		M		EQUIPMENT IDENTIFICATION	
	8260		M	an..17 (an7) (an8)	Equipment identification number	**Ship number**: 7 digits for OFS or IMO indication, 8 digits for ERN indication and unique European vessel identification number
	1131		M	an..3	Code list qualifier	"IMO" for an IMO number , see Annex 4, No. 3 "OFS" for a Official Ship Number of CCNR system, see Annex 4 no. 2 "ERN" for an Electronic Reporting Number, see Annex 4 no. 4, "ENI" for a unique European vessel identification number, see Annex 4 no 5
	3055			an..3	Code list responsible agency	n.a.
	3207			an..3	Country	n.a.
	7224			n..8	Number of packages	n.a.
CNI/ GID/ SGP	**MEA**	4	M		**MEASUREMENTS**	**Specification of the weight of a non dangerous good on board the vessel**
	6311		M	an..3	Measurement purpose qualifier	"WT" for weights
	C502		M		MEASUREMENT DETAILS	
	6313		M	an..3	Property measured	"AAL" for net weight including normal packing
	6321			an..3	Measurement significance	n.a.
	6155			an..17	Measurement attribute identification	n.a.
	6154			an..70	Measurement attribute	n.a.
	C174		M		VALUE/RANGE	

Table 1: ERI notification message ERINOT

Segment Group	Segment Composite data element (C) Data element TAG	Level	Mandatory Conditional	Format	Name	Description Qualifiers in notation marks
1	2	3	4	5	6	7
	6411		M	an..3	Measurement unit qualifier	"KGM" for kilogram (UN/ECE Rec. 20)
	6314		M	an..18 (n9)	Measurement value	weight in kilogram
	6162			n..18	Range minimum	n.a.
	6152			n..18	Range maximum	n.a.
	6432			an..2	Significant digits	n.a.
	7383			an..3	Surface / layer indicator	n.a.
CNI/ GID/ SGP	**MEA**	4	C		**MEASUREMENTS**	**Specification of the tonnage of a non dangerous good on board the vessel**
	6311		M	an..3	Measurement purpose qualifier	"VOL" for weights
	C502		M		MEASUREMENT DETAILS	
	6313		M	an..3	Property measured	"AAX" The observed volume after adjustment for factors such as temperature or gravity
	6321			an..3	Measurement significance	n.a.
	6155			an..17	Measurement attribute identification	n.a.
	6154			an..70	Measurement attribute	n.a.
	C174		M		VALUE/RANGE	
	6411		M	an..3	Measurement unit qualifier	"TNE" for metric ton (UN/ECE Rec. 20)
	6314		M	an..18 (n9)	Measurement value	Tonnage
	6162			n..18	Range minimum	n.a.
	6152			n..18	Range maximum	n.a.
	6432			an..2	Significant digits	n.a.
	7383			an..3	Surface / layer indicator	n.a.
CNI/ GID	**DGS**	3	M		**DANGEROUS GOODS**	**Dangerous goods identification**
	8273		M	an..3	dangerous goods regulations	"ANR" for inland vessels (CCNR ADNR code) "IMD" for sea going vessels (IMO IMDG code)
	C205		M		HAZARD CODE	
	8351		M	an..7	Hazard code identification	**ADN(R), or IMDG code,** see Annex 4 no. 10 or No. 11
	8078		C	an..7	Additional hazard classification identifier	ADNR danger classification code, see Annex 4 no. 11

Table 1: ERI notification message ERINOT

Segment Group	Segment Composite data element (C) Data element TAG	Level	Mandatory Conditional	Format	Name	Description Qualifiers in notation marks
1	2	3	4	5	6	7
	8092			an..10	Hazard code version number	n.a.
	C234		M		UNDG INFORMATION	
	7124		M	n4	UNDG number	**UN number** (UNDG code), see Annex 4 no. 9
	7088			an..8	Dangerous goods flashpoint	n.a.
	C223		C		DANGEROUS GOODS SHIPMENT FLASHPOINT	
	7106		M	n..3	Shipment flashpoint	**Flashpoint** of the good transported
	6411		M	an..3	Measure unit qualifier	"CEL" for Celsius "FAH" for Fahrenheit .
	8339		C	an..3	Packing group	"1" for great danger "2" for medium danger "3" for minor danger ..
	8364		C	an..6	EMS number	Emergency Procedures
	8410		C	an..4	MFAG number	Medical First Aid Guide
	8126			an..10	TREM card number	n.a.
	C235		C		HAZARD IDENTIFICATION PLACARD DETAILS	**Placards** mandatory for dangerous goods on dry cargo vessels
	8158		M	an..4	Hazard identification number, upper part	see ADN(R)
	8186		M	an..4	Substance identification number, lower part	see ADN(R)
	C236				DANGEROUS GOODS LABEL	n.a.
	8246			an..4	Dangerous goods label marking	n.a.
	8246			an..4	Dangerous goods label marking	n.a.
	8246			an..4	Dangerous goods label marking	n.a.
	8255			an..3	Packing instruction	n.a.
	8325			an..3	Category of means of transport	n.a.
	8211			an..3	Permission for transport	n.a.
CNI/ GID/ DGS	**FTX (1)**	4	M		**FREE TEXT**	**Dangerous good description**
	4451		M	an..3	Text subject code qualifier	"AAD" for dangerous goods, **technical** name
	4453			an..3	Free text function code	n.a.
	C107				TEXT REFERENCE	n.a.
	4441			an..17	Free text identification	n.a.
	1131			an..3	Code list qualifier	n.a.

Table 1: ERI notification message ERINOT

Segment Group	Segment Composite data element (C) Data element TAG	Level	Mandatory Conditional	Format	Name	Description Qualifiers in notation marks
1	2	3	4	5	6	7
	3055			an..3	Code list responsible agency	n.a.
	C108		M		TEXT LITERAL	
	4440		M	an..70 (an..50)	Free text	Name of dangerous good (**proper shipping** name)
	4440			an..70	Free text value	Aditional goods description
	4440			an..70	Free text	n.a.
	4440			an..70	Free text	n.a.
	4440		C	an..70	Free text	n.a.
	3453			an..3	Language	n.a.
	4447			an..3	Text formatting	n.a.
CNI/ GID/ DGS	**FTX (2)**	4	C		**FREE TEXT**	**Additional information**
	4451		M	an..3	Text subject code qualifier	"AAC" for dangerous goods additional information
	4453			an..3	Free text function code	n.a.
	C107				TEXT REFERENCE	
	4441		M	an..17	Free text identification	"SYN" for indication that a synonym follows
	1131			an..3	Code list qualifier	n.a.
	3055			an..3	Code list responsible agency	n.a.
	C108		M		TEXT LITERAL	
	4440		M	an..70 (an..50)	Free text	**Synonym** of the dangerous good
	4440			an..70	Free text	n.a.
	4440			an..70	Free text	n.a.
	4440			an..70	Free text	n.a.
	4440			an..70	Free text	n.a.
	3453			an..3	Language	n.a.
	4447			an..3	Text formatting	n.a.
CNI/ GID/ DGS	**MEA**	4	M		**MEASUREMENTS**	**Total weight of the dangerous good within a transport**
	6311		M	an..3	Measurement purpose qualifier	"WT" for weights

Table 1: ERI notification message ERINOT

Segment Group	Segment Composite data element (C) Data element TAG	Level	Mandatory Conditional	Format	Name	Description Qualifiers in notation marks
1	2	3	4	5	6	7
	C502		M		MEASUREMENT DETAILS	
	6313		M	an..3	Property measured	"AAL" for net weight including normal packing
	6321			an..3	Measurement significance, coded	n.a.
	6155			an..17	Measurement attribute identification	n.a.
	6154			an..70	Measurement attribute	n.a.
	C174		M		VALUE/RANGE	
	6411		M	an..3	Measurement unit qualifier	"KGM" for kilogram (UN/ECE Rec. 20)
	6314		M	an..18	Measurement value	Weight of the dangerous good in the consigment
	6162			n..18	Range minimum	n.a.
	6152			n..18	Range maximum	n.a.
	6432			n..2	Significant digits	n.a.
	7383			an..3	Surface / layer indicator	n.a.
CNI/ GID/ DGS	**SGP (1..99)**	4	M		**SPLIT GOODS PLACEMENT**	**Specification of the location of the goods.** If the goods are transported in containers, this segment should contain the identification of the vessel(barge) the container is stowed on.
	C237		M		EQUIPMENT IDENTIFICATION	
	8260		M	an..17 (an7..8)	Equipment identification number	**Ship number**: 7 digits for OFS or IMO indication, 8 digits for ERN indication and unique European vessel identification number
	1131		M	an..3	Code list qualifier	"OFS" for an Official Ship Number of CCNR system, see Annex 4 no. 2 "IMO" for an IMO-number, see Annex 4 no. 3 "ERN" for an Electronic Reporting Number, see Annex 4 no. 4, "ENI" for a unique European vessel identification number, see Annex 4 no 5.
	3055			an..3	Code list responsible agency	n.a.
	3207			an..3	Country	n.a.
	7224			n..8	Number of packages	n.a.
CNI/ GID/	**MEA**	5	M		**MEASUREMENTS**	**Total of the goods within the vessel.**

Table 1: ERI notification message ERINOT

Segment Group	Segment Composite data element (C) Data element TAG	Level	Mandatory Conditional	Format	Name	Description Qualifiers in notation marks
1	2	3	4	5	6	7
DGS/SGP						
	6311		M	an..3	Measurement purpose qualifier	"WT" for weights
	C502		M		MEASUREMENT DETAILS	
	6313		M	an..3	Property measured	"AAL" for net weight including normal packing
	6321			an..3	Measurement significance, coded	n.a.
	6155			an..17	Measurement attribute identification	n.a.
	6154			an..70	Measurement attribute	n.a.
	C174		M		VALUE/RANGE	
	6411		M	an..3	Measurement unit qualifier	"KGM" for kilogram (UN/ECE Rec. 20)
	6314		M	an..18	Measurement value	Weight of the goods in the vessel
	6162			n..18	Range minimum	n.a.
	6152			n..18	Range maximum	n.a.
	6432			n..2	Significant digits	n.a.
	7383			an..3	Surface / layer indicator	n.a.
CNI/ GID/ DGS/SGP	**MEA**	5	C		**MEASUREMENTS**	**Total tonnage of the goods within the vessel.**
	6311		M	an..3	Measurement purpose qualifier	"VOL" for weights
	C502		M		MEASUREMENT DETAILS	
	6313		M	an..3	Property measured	"AAX" The observed volume after adjustment for factors such as temperature or gravity
	6321			an..3	Measurement significance, coded	n.a.
	6155			an..17	Measurement attribute identification	n.a.
	6154			an..70	Measurement attribute	n.a.
	C174		M		VALUE/RANGE	
	6411		M	an..3	Measurement unit qualifier	"TNE" for metric ton (UN/ECE Rec. 20)
	6314		M	an..18	Measurement value	Tonnage
	6162			n..18	Range minimum	n.a.
	6152			n..18	Range maximum	n.a.
	6432			n..2	Significant digits	n.a.
	7383			an..3	Surface / layer indicator	n.a.
CNI/ GID/	**SGP**	4	C		**SPLIT GOODS**	**The location of the goods if in containers.** If the goods are

Table 1: ERI notification message ERINOT

Segment Group	Segment Composite data element (C) Data element TAG	Level	Mandatory Conditional	Format	Name	Description Qualifiers in notation marks
1	2	3	4	5	6	7
DGS					**PLACEMENT**	transported in containers at least one SGP combination specifying the ship on which the container is stowed must be specified.
	C237		M		EQUIPMENT IDENTIFICATION	Identification
	8260		M	an..17	Equipment identification number	**Container identification** code (owner code, identifier, serial number. check digit), see Annex 4 no. 17
	1131			an..3	Code list qualifier	n.a.
	3055			an..3	Code list responsible agency	n.a.
	3207			an..3	Country	n.a.
	7224			n..8	Number of packages	n.a.
CNI/ GID/ DGS/ SGP	**LOC**		C		**PLACE / LOCATION IDENTIFICATION**	**Stowage location**
	3227		M	an..3	Place / location qualifier	“147” for Stowage cell
	C517		M		LOCATION IDENTIFICATION	
	3225		M	an..25	Place / location identification	“BBBRRTT” for Bay / Row / Tier
	1131			an..3	Code list qualifier	n.a.
	3055			an..3	Code list responsible agency	n.a.
	3224			an..70	Place / location	n.a.
	C519				RELATED LOCATION ONE IDENTIFICATION	n.a.
	3223			an..25	Related place / location one identification	n.a.
	1131			an..3	Code list qualifier	n.a.
	3055			an..3	Code list responsible agency	n.a.
	3222			an..70	Related place / location one	n.a.
	C553				RELATED LOCATION TWO IDENTIFICATION	n.a.
	3233			an..25	Related place / location two identification	n.a.
	1131			an..3	Code list qualifier	n.a.
	3055			an..3	Code list responsible agency	n.a.
	3232			an..70	Related place / location two	n.a.
	5479			an..3	Relation	n.a.

Table 1: ERI notification message ERINOT

Segment Group	Segment Composite data element (C) Data element TAG	Level	Mandatory Conditional	Format	Name	Description Qualifiers in notation marks
1	2	3	4	5	6	7
CNI/ GID/ DGS/ SGP	**MEA**	5	M		**MEASUREMENTS**	**Specification of the weight of the good in the container**
	6311		M	an..3	Measurement purpose qualifier	"WT" for weights
	C502		M		MEASUREMENT DETAILS	
	6313		M	an..3	Property measured	"AAL" for net weight including normal packing
	6321			an..3	Measurement significance, coded	n.a.
	6155			an..17	Measurement attribute identification	n.a.
	6154			an..70	Measurement attribute	Container type (ISO 6364 chapter 4 and annexes D and E)
	C174		M		VALUE/RANGE	
	6411		M	an..3	Measurement unit qualifier	"KGM" for kilogram (UN/ECE Rec. 20)
	6314		M	an..18	Measurement value	Weight of the good in this container
	6162			n..18	Range minimum	n.a.
	6152			n..18	Range maximum	n.a.
	6432			n..2	Significant digits	n.a.
	7383			an..3	Surface / layer indicator	n.a.
CNI/ GID/ DGS/SGP	**MEA**	5	C		**MEASUREMENTS**	**Total tonnage of the goods within the vessel.**
	6311		M	an..3	Measurement purpose qualifier	"VOL" for weights
	C502		M		MEASUREMENT DETAILS	
	6313		M	an..3	Property measured	"AAX" The observed volume after adjustment for factors such as temperature or gravity
	6321			an..3	Measurement significance, coded	n.a.
	6155			an..17	Measurement attribute identification	n.a.
	6154			an..70	Measurement attribute	n.a.
	C174		M		VALUE/RANGE	
	6411		M	an..3	Measurement unit qualifier	"TNE" for metric ton (UN/ECE Rec. 20)
	6314		M	an..18	Measurement value	Tonnage
	6162			n..18	Range minimum	n.a.

Table 1: ERI notification message ERINOT						
Segment Group	Segment Composite data element (C) Data element TAG	Level	Mandatory Conditional	Format	Name	Description Qualifiers in notation marks
1	2	3	4	5	6	7
	6152			n..18	Range maximum	n.a.
	6432			n..2	Significant digits	n.a.
	7383			an..3	Surface / layer indicator	n.a.
	UNT		M		**MESSAGE TRAILER**	**End and control of completeness of the message**
	0074		M	n..6	Number of segments in a message	
	0062		M	an..14	Message reference number	First 14 positions of the message reference number
	UNZ		M		**INTERCHANGE TRAILER**	**End and control of the interchange**
	0036		M	n..6	Interchange control count	"1" for number of messages contained in the interchange
	0020		M	an..14	Interchange control reference	First 14 positions of the message reference number

2.2 Dummy segments

In some cases, amongst others in the passage message **ERINOT(PAS)**, 'dummy' segments have to be used as part of mandatory groups of segments. For these 'dummy' segments the following rules apply:

- CNI group:
  - CNI: sequence number: '9999'
- CNI/GID group:
  - GID: sequence number: '99999'
- CNI/GID/DGS group:
  - DGS:
    - Class type: 'IMD'
    - Classification: '0.0'
    - UNDG number: '0000'
  - FTX AAD: good name: 'DUMMY'
  - MEA: weight: 0

2.3 Empty vessels

If an empty vessel is reported, the following rules apply for the mandatory segment groups:

1. Empty of non-dangerous goods:
   - CNI group:
     - CNI: sequence number: ‘9999’
   - CNI/GID group:
     - GID: sequence number: ‘99999’
   - CNI/GID/DGS group:
     - DGS:
       - Class type: ‘IMD’
       - Classification: ‘0.0’
       - UNDG number: ‘0000’
     - FTX AAD: good name: ‘DUMMY’
     - MEA: weight: 0

2. Empty of dangerous goods:
   - CNI group:
     - CNI: valid sequence number
     - LOC: source and destination (current voyage)
   - CNI/GID group:
     - GID: valid sequence number
     - FTX ACB: type of good: ‘D’, HS-code of (previous) dangerous good
   - CNI/GID/DGS group:
     - DGS: dangerous goods details (previous cargo)
     - FTX AAD: dangerous good name
     - MEA: weight: 0
     - SGP: details of the empty vessel
     - MEA: weight: 0

2.4 Container transport with non-dangerous goods

If containers are transported, the following extra rules apply for the mandatory groups if a container does not carry dangerous goods:

- CNI group:
  - CNI: valid sequence number
  - LOC: source and destination
- CNI/GID group:
  - GID: valid sequence number
  - FTX ACB: type of good: 'N', HS-code of the good
  - FTX AAA, good name, NST/R code of the good, HS code of the good
  - SGP: details of the vessel
  - MEA: total weight of the non-dangerous good in the vessel
- CNI/GID/DGS group:
  - DGS:
    - Class type: 'IMD'
    - Classification: '0.0'
    - UNDG number: '0000'
  - FTX AAD: good name: 'DUMMY'
  - MEA: weight: 0
  - SGP group (1):
    - SGP: vessel details
    - MEA: weight of the good in the vessel
  - SGP group (2-99):
    - SGP: Container number
    - LOC: Stowage cel
  - MEA: weight of the good in the container

This way of entering data for a container loaded with non-dangerous goods follows the way the data for a container with dangerous goods is to be entered. Due to compatibility reasons with previous versions, the vessel details are entered twice.

2.5 Containers with unknown details on the goods or empty containers

If containers are transported where the details of the goods in the containers are not known, or empty containers are transported, the following extra rules apply:

EQD group:

EQD: container range

MEA: number of containers in the given range

CNI group:

CNI: valid sequence number

LOC: source and destination

CNI/GID group:

GID: valid sequence number

FTX ACB: type of good: 'N', HS-code

FTX AAA: good name, NST/R code, HS-code

SGP: details of the vessel

MEA: total weight of the containers in the given range

CNI/GID/DGS group:

dummy group

Depending on the range of containers the following codes have to be used:

	HS-code	NST/R code
Containers 20 ft empty	8609000002	991001
Containers 30 ft empty	8609000004	991002
Containers 40 ft empty	8609000003	991003
Containers 20 ft loaded	8609000007	991004
Containers 30 ft loaded	8609000008	991005
Containers 40 ft loaded	8609000009	991006

2.6 Cancelling a notification

When cancelling a notification the following information must be specified:

- BGM element 1225 = “1”.
- RFF(ACW) element 1154 must refer to the last message sent.
- All other segments (TDT, CNI etc) must contain the same information as specified in the last notification message sent.

3 ERI response message ERIRSP

This chapter defines the response message generated by the RIS centre. The ERIRSP message is derived from the UN/EDIFACT APERAK message.

The response messages on the functions (new, modification or cancellation) of the ERI notification message ERINOT all have the same structure. The response on a modification or a cancellation contains information whether or not the modification or cancellation has been processed by the receiving system. A response is required only if the NAD (1)/COM segment, with qualifier “EI”, contains the mailbox number, or with qualifier “EM”, contains the e-mail address, where the response is to be returned to.

3.1 ERIRSP message structure

Table 2 defines the segments of the ERI response messages.

Table 2: ERI response message ERIRSP

Segment Group	**Segment C**omposite data element (C) Data element **TAG**	Level	Mandatory Conditioanal	Format	Name	Description Qualifiers in notation marks
1	2	3	4	5	6	7
	UNB	0	M		**INTERCHANGE HEADER**	
	S001		M		SYNTAX IDENTIFIER	
	0001		M	a4	Syntax identifier	“UNOA” Controlling agency
	0002		M	n1	Syntax version number	“2”
	S002		M		INTERCHANGE SENDER	
	0004		M	an..35 (an25)	Sender identification	Mailbox number or unique name
	0007			an..4	Partner identification code qualifier	n.a.
	0008			an..14	Address for reverse routing	n.a.
	S003		M		INTERCHANGE RECIPIENT	
	0010		M	an..35 (an25)	Recipient identification	Mailbox number or unique name
	0007			an..4	Partner identification code qualifier	n.a.
	0014			an..14	Routing address	n.a.
	S004		M		DATE / TIME OF PREPARATION	
	0017		M	n6	Date	Generation date, YYMMDD
	0019		M	n4	Time	Generation time, HHMM
	0020		M	an..14	Interchange control reference	First 14 positions of the message reference number.
	S005				RECIPIENTS REFERENCE, PASSWORD	
	0022			an..14	Recipient’s reference / password	n.a.

Table 2: ERI response message ERIRSP

Segment Group	**Segment C**omposite data element (C) Data element **TAG**	Level	Mandatory Conditioanal	Format	Name	Description Qualifiers in notation marks
1	2	3	4	5	6	7
	0025			an2	Recipient's reference, password qualifier	n.a.
	0026			an..14	Application reference	n.a.
	0029			a1	Processing priority code	n.a.
	0031		C	n1	Acknowledgement request	"1" = Sender wishes receipt notification
	0032			an..35	Communications agreement id	n.a.
	0035		C	n1	Test indicator	"1" = The interchange relates to a test message
	UNH	0	M		**MESSAGE HEADER**	Identification, specification and heading of a message
	0062		M	an..14	Message reference number	First 14 positions of the message reference number.
	S009		M		MESSAGE IDENTIFIER	
	0065		M	an..6	Message type	"APERAK", message type
	0052		M	an..3	Message version number	"D",
	0054		M	an..3	Message release number	"98B"
	0051		M	an..2	Controlling agency	"UN",
	0057		M	an..6	Association assigned code	"ERI10", ERI version 1.0
	0068			an..35	Common access reference	n.a.
	S010				STATUS OF THE TRANSFER	
	0070			n..2	Sequence of transfers	n.a.
	0073			a1	First and last transfer	n.a.
	BGM	0	M		**BEGINNING OF MESSAGE**	Identification of the type and function of the message
	C002		M		DOCUMENT / MESSAGE NAME	
	1001		M	an..3	Document / message name code	Type of message received for which this message contains the acknowledgement information: "VES", from vessel to RIS authority message; "CAR", from carrier to RIS authority message "PAS", passage report from RIS authority to RIS authority
	1131			an..3	Code list qualifier	n.a.
	3055			an..3	Code list responsible agency	n.a.
	1000			an..35	Document / message name	n.a.
	C106		M		DOCUMENT / MESSAGE IDENTIFICATION	

Table 2: ERI response message ERIRSP

Segment Group	**Segment C**omposite data element (C) Data element **TAG**	Level	Mandatory Conditioanal	Format	Name	Description Qualifiers in notation marks
1	2	3	4	5	6	7
	1004		M	an..35 (an15)	Document identifier	Message reference number. This number should be as unique as possible, both for sender and for receiver. If a message is received and then passed on to another receiver, the original message reference number should be used. The transitional system should in this case not generate another message reference number
	1056			an..9	Version	n.a.
	1060			an..6	Revision number	n.a.
	1225		M	an..3	Message function code	Function of ,message: “9” = new message
	4343		M	an..3	Response type code	“AP” accepted “RE” rejected. The notification is rejected if the transport already is active.
	DTM	1	C		**DATE / TIME / PERIOD**	**The date / time that the receiving application encounters the approval or rejection**
	C507		M		DATE / TIME / PERIOD	
	2005		M	an..3	Date or time or period function code qualifier	“137” for document / message date / time
	2380		M	an..35	Date or time period value	Value of arrival time: YYMMDDHHMM
	2379		M	an..3	Date or time or period format code	“201” for YYMMDDHHMM
	RFF (1)	1	C		**REFERENCE**	Reference to previous message
	C506		M		REFERENCE	
	1153		M	an..3	Reference qualifier	“ACW” for reference number to previous message
	1154		M	an..35	Reference number	Message reference number from BGM, TAG 1004 of the message this message refers to.
	1156		C	an..6	Line number	n.a.
	4000		C	an..35	Reference version number	n.a.
	1060		C	an..6	Revision number	n.a.
	RFF (2)	1	C		**REFERENCE**	Reference to transaction / invoice number
	C506		M		REFERENCE	
	1153		M	an..3	Reference qualifier	“AAY” for reference number to transaction

Table 2: ERI response message ERIRSP

Segment Group	**Segment C**omposite data element (C) Data element **TAG**	Level	Mandatory Conditioanal	Format	Name	Description Qualifiers in notation marks
1	2	3	4	5	6	7
	1154		M	an..35	Reference number	Reference number assigned by the receiving authority. The reference number should start with the UN country code followed by three positions for the assigning system. The final part is the actual reference number.
	1156		C	an..6	Line number	n.a.
	4000		C	an..35	Reference version number	n.a.
	1060		C	an..6	Revision number	n.a.
NAD	**NAD (1)**	1	M		**NAME and ADDRESS**	Name and address of the sender of the notification
	3035		M	an..3	Party function code qualifier	“MS” for Message sender
	C082				PARTY IDENTIFICATION DATAILS	n.a.
	3039			an..35	Party identification	n.a.
	1131			an..3	Code list qualifier	n.a.
	3055			an..3	Code list responsible agency	n.a.
	C058				NAME AND ADDRESS	n.a.
	3124			an..35	Name and address line	n.a.
	3124			an..35	Name and address line	n.a.
	3124			an..35	Name and address line	n.a.
	3124			an..35	Name and address line	n.a.
	3124			an..35	Name and address line	n.a.
	C080		M		PARTY NAME	
	3036		M	an..35	Party name	Name of the sender of the notification.
	3036			an..35	Party name	n.a.
	3036			an..35	Party name	n.a.
	3036			an..35	Party name	n.a.
	3036			an..35	Party name	n.a.
	3045			an..3	Party name format, coded	n.a.
	C059		C		STREET	
	3042		M	an..35	Street and number / p.o. box	Street and number or post office box
	3042			an..35	Street and number / p.o. box	n.a.
	3042			an..35	Street and number / p.o. box	n.a.
	3042			an..35	Street and number / p.o. box	n.a.
	3164		C	an..35	City name	City

Table 2: ERI response message ERIRSP

Segment Group	**Segment C**omposite data element (C) Data element **TAG**	Level	Mandatory Conditioanal	Format	Name	Description Qualifiers in notation marks
1	2	3	4	5	6	7
	3229			an..9	Country sub-entity identification	n.a.
	3251		C	an..9	postcode identification	Postal identification code
	3207		C	an..3	country	ISO 3166-1 two alpha country code
NAD	**COM**	2	C		**COMMUNICATION CONTACT**	Sender communication contact details (max. 2 times)
	C076		M		COMMUNICATION CONTACT	
	3148		M	an..70	Communication number	Communication number
	3155		M	an..3	Communication channel qualifier	“TE” for telephone number “FX” for fax number
	ERC	1	C		**APPLICATION ERROR INFORMATION**	
	C901		M		APPLICATION ERROR DETAIL	
	9321		M	an..8	Application error	Application error code
	1131			an..3	Code list qualifier	n.a.
	3055			an..3	Code list responsible agency	n.a.
ERC	**FTX**	2	C		**FREE TEXT**	To communicate the reason for rejection
	4451		M	an..3	Text subject code qualifier	**“AAO”** for free text error description
	4453			an..3	Free text function code	n.a.
	C107				TEXT REFERENCE	
	4441			an..17	Free text identification	n.a.
	1131			an..3	Code list qualifier	n.a.
	3055			an..3	Code list responsible agency	n.a.
	C108		C		TEXT LITERAL	Text
	4440		M	an.. 70	Free text	Further description
	4440		C	an.. 70	Free text	Further description
	4440		C	an.. 70	Free text	Further description
	4440		C	an.. 70	Free text	Further description
	4440		C	an.. 70	Free text	Further description
	3453			an.. 3	Language, coded	n.a.
	4447			an..3	Text formatting, coded	n.a.

Table 2: ERI response message ERIRSP

Segment Group	**Segment C**omposite data element (C) Data element **TAG**	Level	Mandatory Conditioanal	Format	Name	Description Qualifiers in notation marks
1	2	3	4	5	6	7
	UNT		M		**MESSAGE TRAILER**	**End and control of completeness of the message**
	0074		M	n..6	Number of segments in a message	
	0062		M	an..14	Message reference number	First 14 positions of the message reference number
	UNZ		M		**INTERCHANGE TRAILER**	**End and control of the interchange**
	0036		M	n..6	Interchange control count	"1" for number of messages contained in the interchange
	0020		M	an..14	Interchange control reference	First 14 positions of the message reference number

1 Vessel and convoy type

FULL TITLE	Codes for types of means of transport Annex 2, chapter 2.5: Inland water transport
ABBREVIATION	UN Recommendation 28
ORIGINATING AUTHORITY	UNECE/CEFACT http://www.unece.org/cefact
LEGAL BASIS	UN Recommendation 28, ECE/Trade/276; 2001/23
CURRENT STATUS	Operational
IMPLEMENTATION	March 2001
AMENDMENT	26-août-02
STRUCTURE	4-digit alphanumeric code: 1 digit: "1" for maritime navigation, "8" for "inland navigation" 2 digits for vessel or convoy 1 digit for subdivision used and maintained by ERI
SUCCINCT DESCRIPITION	This recommendation establishes a common code list for the identification of the type of means of transport. It has a particular relevance to transport organisations and providers, Customs and other authorities, statistical offices, forwarders, shippers, consignees and other parties concerned with transport.
LINKED CLASSIFICATIONS	UN Recommendation No. 19
MEDIA THROUGH WHICH AVAILABLE	http://www.unece.org/cefact/recommendations/rec_index.htm http://www.RISexpertgroups.org
LANGUAGES	English
ADDRESS OF RESPONSIBLE AGENCY	ERI Expert Group
REMARKS	The main set of code values is governed by an international body (UNECE). To ensure harmonization, one single set of code values representing also additional vessel types as maintained through the ERI Expert Group can be used by all RIS applications.

Example

8010	Motor freighter (Inland)
1500	General cargo vessel (sea)

Usage in this standard TDT/C228/8179 (convoy)
EQD(B)/C224/8155 (vessel)

Annexes

4.1 UNECE Recommendation No. 28: Codes for types of means of transport, Inland Navigation

4.2 Code list in 4 languages

2 Official Ship Number (OFS)

FULL TITLE	Official Ship Number
ABBREVIATION	OFS
ORIGINATING AUTHORITY	Central Commisssion for the Navigation of the Rhine (CCNR)
LEGAL BASIS	§ 2.18 Rheinschiffsuntersuchungsordnung
CURRENT STATUS	operational
IMPLEMENTATION DATE	
AMENDMENT	
STRUCTURE	2-digit country code (an) 5 digit register no. (an) Country codes: 01 - 19 France 20 - 39 The Netherlands 40 - 49 Germany 60 - 69 Belgium 70 - 79 Switzerland 80 - 99 Other countries
SUCCINCT DESCIRPITION	
LINKED CLASSIFICATIONS	
USAGE	Inland navigation
MEDIA THROUGH WHICH AVAILABLE	
LANGUAGES	
ADDRESS OF RESPONSIBLE AGENCY	Central Commission for the Navigation of the Rhine, 2, Place de la Republique, F-67082 Strasbourg Cedex, France
REMARKS	This code will in future be replaced by the unique European vessel identification number

Example

4112345	Germany, Gerda

Usage in this Standard

TDT/C222/8213
EQD(1)/C237/8260
SGP/C237/8260

3 IMO Ship Identification Number

FULL TITLE	IMO Ship Identification Number
ABBREVIATION	IMO No.
ORIGINATING AUTHORITY	International Maritime Organization
LEGAL BASIS	IMO Resolution A.600(15), SOLAS chapter XI, regulation 3
CURRENT STATUS	Operational
IMPLEMENTATION DATE	
AMENDMENT	
STRUCTURE	Lloyd´s Register of Shipping (LR) number (seven digits).
SUCCINCT DESCRIPITION	The IMO Resolution aims at assigning a permanent number to each ship for identifying purposes.
LINKED CLASSIFICATIONS	
USAGE	For seagoing ships
MEDIA THROUGH WHICH AVAILABLE	www.ships-register.com
LANGUAGES	English
ADDRESS OF RESPONSIBLE AGENCY	International Maritime Organization 4 Albert Embankment London SE1 7SR United Kingdom

Example

Vessel dwt 277467 Danchem East 9031624

Usage in this standard

TDT/C222/8213
EQD(1)/C237/8260
SGP/C237/8260

4 Electronic Reporting Number (for ship identification) ERN

FULL TITLE	Electronic Reporting Number (for ship identification)
ABBREVIATION	ERN
ORIGINATING AUTHORITY	Rijkswaterstaat, The Netherlands
LEGAL BASIS	
CURRENT STATUS	operational
IMPLEMENTATION DATE	
LIMIT OF OPERATIONAL LIFE	
AMENDMENT	
STRUCTURE	8-digit number
SUCCINCT DESCRIPITION	
LINKED CLASSIFICATIONS	
USAGE	In Electronic Ship Reporting (ERI) for ships which do not have an OFS nor an IMO number
MEDIA THROUGH WHICH AVAILABLE	www.bics.nl
LANGUAGES	
ADDRESS OF RESPONSIBLE AGENCY	helpdesk@bics.nl
REMARK	This code will in future be replaced by the unique European vessel identification number.

Example

12345678	Renate

Usage in this standard

TDT/C222/8213
EQD(1)/C237/8260
SGP/C237/8260

5 Unique European vessel identification number (ENI)

FULL TITLE	Unique European vessel identification number
ABBREVIATION	ENI
ORIGINATING AUTHORITY	European Union
LEGAL BASIS	Directive 2005/44/EC
CURRENT STATUS	
IMPLEMENTATION DATE	01/04/2007
LIMIT OF OPERATIONAL LIFE	
AMENDMENT	Continuously
STRUCTURE	8-digit number
SUCCINCT DESCRIPITION	The unique European vessel identification number aims at assigning a permanent number to each hull for identifying purposes.
LINKED CLASSIFICATIONS	IMO number, ERN number, OFS number
USAGE	In Electronic Ship Reporting, Tracking and Tracing and certification of vessels for inland vessels
MEDIA THROUGH WHICH AVAILABLE	Competent authorities shall keep a register. Access will be granted to competent authorities of other Member States, to contracting states of the Mannheim Convention and to other parties based on administrative agreements.
LANGUAGES	
ADDRESS OF RESPONSIBLE AGENCY	CCNR, EU
REMARK	The unique European vessel identification Number ENI consists of eight Arabic numerals. The first three digits are the code of the assigning competent authority. The next five digits are a serial number.

Example
12345678

Usage in this standard

TDT, EQD (V1 and V2-V15)
CNI/GID and
CNI/GID/DGS, Tag 1311

6 Harmonized system code (HS)

FULL TITLE	Harmonized Commodity Description and Coding System 2002
ABBREVIATION	HS 2002; Harmonized System 2002
ORIGINATING AUTHORITY	World Customs Organization
LEGAL BASIS	International Convention on the Harmonized Commodity Description and Coding System
CURRENT STATUS	Operational
IMPLEMENTATION	01/01/2001
AMENDMENT DATE	In principle revised every few year; next revision is planned to come in force on 01.01.07
STRUCTURE	7,466 headings, organized in four hierarchial levels Level 1: sections coded by Roman numerals (I to XXI) Level 2 chapters identified by two-digit numerical codes Level 3: headings identified by four-digit numerical codes level 4: sub-headings identified by six-digit numerical code
SUCCINCT DESCRIPITION	HS is a classification of goods by criteria based on raw material and the stage of production of commodities. The industrial origin criterion is considered whenever it is compatible with the main criteria set out above. HS is the heart of the whole process of harmonization of international economic classifications beeing jointly conducted by the United Nations Statistics Division and Eurostat. Its items and sub-items are the fundamental terms on which industrial goods are identified in product classifications. Objectives: to harmonize a) external trade classifications to guarantee direct correspondence; and b) countrie´s external trade statistics and to guarantee that these are comparable internationally
LINKED CLASSIFICATIONS	Combined Nomenclature (CN): full agreement on six-digit-level; NST/R on 3-digit level
USAGE	Products
MEDIA THROUGH WHICH AVAILABLE	World Customs Organization Rue de l´industrie, 26-39 B-1040 Brussels www.wcoomd.org Customs Co-operation Council, Brussels
LANGUAGES	Dutch, English, French, German etc.
ADDRESS OF RESPONSIBLE AGENCY	A subset of the codes used for electronic reporting will be maintained through the ERI Expert Group.
REMARKS	The HS classification is further disaggregated at European Union level into a classification called Combined Nomenclature (CN).

Example

730110	Sheet piling of iron or steel
310210	Mineral or chemical fertilisers, ammonium sulphate

Usage in this standard CNI/GID/FTX(1)/C108/4440
CNI/GID/FTX(2)/C108/4440

7 Combined nomenclature (CN)

FULL TITLE	Combined Nomenclature, 2002
ABBREVIATION	CN 2002
ORIGINATING AUTHORITY	EU Commission, Statistical Office EUROSTAT
LEGAL BASIS	EU Council, Regulation No. 2658/87 of 23 July 1987
CURRENT STATUS	Operational
IMPLEMENTATION DATE	
AMENDMENT	Annual revisions at 01 January
STRUCTURE	8-digit numerical code: 19,581 headings organised in five hierarchical levels: Level 1: sections coded by Roman numerals (I to XXI) Level 2 chapters identified by two-digit numerical codes Level 3: headings identified ba four-digit numerical codes level 4: sub-headings identified by six-digit numerical code level 5: categories identified by eight-digit numerical codes
SUCCINCT DESCRIPITION	The Combined Nomenclature is the goods classification used within the EU for the purposes of foreign trade statistics. It is also used by the EU for customs duty purposes. The classification is based on the Harmonized System (HS) which it sub-divides where necessary for purposes of external trade, agricultural regulation and customs duties. The CN was introduced in 1988 together with the HS .
LINKED CLASSIFICATIONS	HS code: full agreement on six-digit-level NST/R on 3-digit level
USAGE	Products
MEDIA THROUGH WHICH AVAILABLE	RAMON: Eurostat´s classification server, www.eurostat.org
LANGUAGES	all languages of the EU
ADDRESS OF RESPONSIBLE AGENCY	EUROSTAT
REMARKS	

Usage in this standard indirectly through HS code

8 Standard goods classification for transport statistics / revised (NST/R)

FULL TITLE	Nomenclature uniforme de marchandises pour les Statistiques de Transport Standard Goods Classification for Transport Statistics / Revised
ABBREVIATION	NST / R
ORIGINATING AUTHORITY	European Commission (Statistical Office / Eurostat)
LEGAL BASIS	
CURRENT STATUS	Operational, but presently under revision
IMPLEMENTATION DATE	01/01/1967
AMENDMENT	Regularly every two years
STRUCTURE	3-digit numerical code. Level 1: 10 chapters,identified by one-digit numerical codes (0 to 9) Level 2: 52 groups identified by two-digit numerical codes Level 3: 176 headings identified by three-digit numerical codes
SUCCINCT DESCIRPITION	The NST/R was devised by Eurostat for the harmonization of statistics on national and international transport in the Member States of the European Communities
LINKED CLASSIFICATIONS	Commodity Classification for Transport Statistics in Europe (CSTE), HS Code in one way (HS > NST/R)
USAGE	Products
MEDIA THROUGH WHICH AVAILABLE	http://ec.europa.eu/comm/eurostat/ramon/nomenclatures/index.cfm?TargetUrl=LST_NOM_DTL&StrNom=NSTR_1967&StrLanguageCode=EN&IntPcKey=
LANGUAGES	Dutch, English, French, German etc.
ADDRESS OF RESPONSIBLE AGENCY	Statistical Office of the European Communities (Eurostat) Unit C2 Batiment BECH A3/112 L-2920 Luxembourg
REMARKS	

Example

729	Composite and other manufactured fertilisers
321	Motor sprit

Usage in this standard CNI/GID/FTX(2)/C108/4440

8.1 Standard goods classification for transport statistics / revised The Netherlands (NST/R NL)

FULL TITLE	Standard Goods Classification for Transport Statistics / Revised; The Netherlands
ABBREVIATION	NST/R-NL, HS Code in one way (HS > NST/R)
ORIGINATING AUTHORITY	
LEGAL BASIS	
CURRENT STATUS	operational
IMPLEMENTATION DATE	
AMENDMENT	Regularly every two years
STRUCTURE	4-digit numerical code
SUCCINCT DESCIRPITION	The NST/R-NL is based on the 3-digit NST/R classification of Eurostat
LINKED CLASSIFICATIONS	NST/R, HS Code in one way (HS > NST/R)
USAGE	Statistics
MEDIA THROUGH WHICH AVAILABLE	
LANGUAGES	Dutch
ADDRESS OF RESPONSIBLE AGENCY	
REMARKS	On level 4 not compatible with NST/R-FR and NST/R-DE

Example

7290	Mengmeststoffen en andere gefabriceerde meststoffen
3210	Benzine

Usage in this standard CNI/GID/FTX(2)/C108/4440

8.2 Standard goods classification for transport statistics / revised France (NST/R FR)

FULL TITLE	Nomenclature uniforme de marchandises pour les Statistiques de Transport
ABBREVIATION	NST/R-FR
ORIGINATING AUTHORITY	
LEGAL BASIS	
CURRENT STATUS	operational
IMPLEMENTATION DATE	
AMENDMENT	Regularly every two years
STRUCTURE	4-digit numerical code
SUCCINCT DESCIRPITION	The NST/R-FR is based on the 3-digit NST/R classification of Eurostat
LINKED CLASSIFICATIONS	NST/R, HS Code in one way (HS > NST/R)
USAGE	Waterway charges invoicing, Statistics
MEDIA THROUGH WHICH AVAILABLE	
LANGUAGES	French
ADDRESS OF RESPONSIBLE AGENCY	
REMARKS	On level 4 not compatible with NST/R-NL and NST/R-DE

Example

7291	Engrais composes et autres engrais manufactures
3210	Essence de petrole

Usage in this standard CNI/GID/FTX(2)/C108/4440

8.3 Standard goods classification for transport statistics / revised Germany (NST/R DE)

FULL TITLE	Güterverzeichnis für den Verkehr auf deutschen Binnenwasserstraßen
ABBREVIATION	GV-Binnenwasserstraßen; NST/R-DE
ORIGINATING AUTHORITY	Wasser- und Schifffahrtsdirektion West, Münster
LEGAL BASIS	By order of the Ministry of Transport, Germany
CURRENT STATUS	operational
IMPLEMENTATION DATE	01/01/1986
AMENDMENT	Regularly every two years
STRUCTURE	4-digit numerical code Level 1: 10 chapters, identified by one-digit numerical code (0 to 9)
	Level 2: 52 groups identified by two-digit numerical codes
	Level 3: 176 headings identified by three-digit numerical codes
	Level 4: 1-digit amendment specific for invoicing and statistics
SUCCINCT DESCRIPITION	The "GV-Binnenwasserstraßen" is based on the 3-digit NST/R classification of Eurostat and the "Güterverzeichnis 1969" of the Statistisches Bundesamt
LINKED CLASSIFICATIONS	NST/R, HS Code in one way (HS > NST/R)
	Güterverzeichnis für die Verkehrsstatistik (GV)
USAGE	Waterway charges invoicing, Statistics
MEDIA THROUGH WHICH AVAILABLE	WSD West, Münster
LANGUAGES	German
ADDRESS OF RESPONSIBLE AGENCY	see above
REMARKS	On level 4 not compatible with NST/R-FR and NST/R-NL

Example

7290	Mineralische Mehrstoffnährdünger
3210	Benzin

Usage in this standard CNI/GID/FTX(2)/C108/4440

9 UN Dangerous goods number (UNDG)

FULL TITLE	UN Recommendations on the Transport of Dangerous Goods Annex "Model Regulations" Part 3 "Dangerous Goods List" Appendix A "List of generic and N.O.S. proper shipping names"
ABBREVIATION	UN Model Regulations; UNDG
ORIGINATING AUTHORITY	UNECE
LEGAL BASIS	
CURRENT STATUS	operational
IMPLEMENTATION DATE	as of 1956, the model regulations 1996
LIMIT OF OPERATIONAL LIFE	
AMENDMENT	
STRUCTURE	4-digit numerical code
SUCCINCT DESCRIPITION	The UN recommendations on the Transport of Dangerous Goods adress the following main areas: - List of dangerous goods most commonly carried and their identification and classisfication; - Consignment procedures; - Standards for packagings, test procedures and certification - Standards for multi-modal tank-containers, test procedures and certification.
LINKED CLASSIFICATIONS	IMDG code
USAGE	Transport of dangerous goods
MEDIA THROUGH WHICH AVAILABLE	http://www.unece.org/trans/danger/publi/unrec/ It is mandatory to add or change the used codes whenever this is indicated through the updates provided by the maintenance agency
LANGUAGES	English
ADDRESS OF RESPONSIBLE AGENCY	Transport Division United Nations Economic Commission for Europe Palais des nations CH-1211 Geneve 10 www.unece.org
REMARKS	In this standard only the 4-digit UN number is used (not class and division)

Example

1967	Gas sample, non-pressurised, toxic
Usage in this standard	CNI/GID/DGS/C234/7124

10 International maritime dangerous goods code (IMDG)

FULL TITLE	International Maritime Dangerous Goods Code
ABBREVIATION	IMDG Code
ORIGINATING AUTHORITY	International Maritime Organization IMO
LEGAL BASIS	
CURRENT STATUS	Operational
IMPLEMENTATION DATE	18/ mai 1965
AMENDMENT	01.01.2001 (30th amendment), approximately every 2 years
STRUCTURE	2-digit numerical code: 1-digit numerical for class 1-digit numerical for division
SUCCINCT DESCRIPITION	The IMDG code governs the vast majority of shipments of hazardous material by water. The code is recommended to governments for adoption as the basis for national regulations in conjunction with the SOLAS convention.
LINKED CLASSIFICATIONS	The code is based on the UN Recommendations on the Transport of Dangerous Goods (UNDG)
USAGE	Maritime transport of dangerous and harmful goods
MEDIA THROUGH WHICH AVAILABLE	www.imo.org
LANGUAGES	Dutch, English, French, German
ADDRESS OF RESPONSIBLE AGENCY	International Maritime Organization 4 Albert Embankment London SE1 7SR United Kingdom
REMARKS	For inland shipping the IMO code can be used as this code is often already known. Where necessary an ADN/R code corresponding with the IMDG code should be inserted.

Example

32	Flammable liquid, not otherwise specified (Ethanol)
Usage in this standard	CNI/GID/DGS/C205/8351

11 ADNR

FULL TITLE	Accord européen relatif au transport international des marchandises dangereuses par voie de navigation intérieure du Rhin
ABBREVIATION	ADNR
ORIGINATING AUTHORITY	Central Commisssion for the Navigation on the Rhine
LEGAL BASIS	
CURRENT STATUS	Operational
IMPLEMENTATION DATE	operational
AMENDMENT DATE	01/01/2007
STRUCTURE	For goods on dry cargo vessel: -- UN number -- Name of the substance (acc. to table A of part 3 of ADNR) -- Class -- Classification code -- Packing group -- Hazard identification placard (label) For goods in tank vessels -- UN number -- Name of substance (acc. to table C of part 3 of ADNR) -- Class -- Packing group
SUCCINCT DESCRIPITION	
LINKED CLASSIFICATIONS	ADN, ADR
USAGE	Transport of dangerous goods in inland navigation
MEDIA THROUGH WHICH AVAILABLE	www.ccr-zkr.org
LANGUAGES	Dutch, French, German
ADDRESS OF RESPONSIBLE AGENCY	Central Commission for the Navigation on the Rhine, 2, Place de la Republique, F-67082 Strasbourg Cedex
REMARKS	

Example

for dry cargo vessel:	for tank vessel:
1203; petrol; 3; F1; III; 3	1203; petrol; 3; ;III ;

Usage in this standard CNI/GID/DGS/C205/8078

12 UN country code

FULL TITLE	International Standard Codes for the Representation of the Names of Counties
ABBREVIATION	ISO 3166-1
ORIGINATING AUTHORITY	International Organisation for Standardization (ISO)
LEGAL BASIS	UN Recommendation 3 (Codes for the representation of the names of countries)
CURRENT STATUS	Operational
IMPLEMENTATION DATE	27/05/1905
AMENDMENT	
STRUCTURE	Two-letter-alpha code (to be used in principle) Three-digit numeric code (alternatively)
SUCCINCT DESCRIPITION	ISO provides a unique two-letter code for each country listed, as well as a three-digit numeric code which is intended as an alternative for all applications that need to be independant of the alphabet.
LINKED CLASSIFICATIONS	UN /LOCODE
USAGE	This code is used as one element in the combined location code of this standard
MEDIA THROUGH WHICH AVAILABLE	UNECE www.unece.org/locode
LANGUAGES	English
ADDRESS OF RESPONSIBLE AGENCY	http://www.unece.org/cefact
REMARKS	see annex 4.3 for combination of elements in the location code

Example

BE	Belgium

Usage in this standard

ERINOT Message:
TDT/C222/8453
NAD(1)/3207
NAD(2)/3207

ERIRSP Message
NAD(1)/3207

13 UN location code

FULL TITLE	UN Code for Trade and Transport Locations
ABBREVIATION	UN/LOCODE
ORIGINATING AUTHORITY	UNECE/CEFACT
LEGAL BASIS	UN/ECE Recommendation 16
CURRENT STATUS	Operational
IMPLEMENTATION DATE	02/06/1905
AMENDMENT	2006-2
STRUCTURE	ISO 3166-1 country code (alpha 2-digit) followed by a space and a 3-digit-alpha code for the place names (5 digits)
	Place name (a ...29)
	Subdivision ISO 3166-2, optional (a ..3)
	Function, mandatory (an5)
	Remarks, optional (an ..45)
	Geographical coordinates (000N 0000 W, 000 S 00000 E)
SUCCINCT DESCRIPITION	UN recommends a five-letter alphabetic code for abbreviating the names of locations of interest to international trade, such as ports, airports, inland freight terminals, and other locations were customs clearance of goods can take place, and whose names need to be represented unambiguously in data interchange between participants in international trade.
LINKED CLASSIFICATIONS	UN country code
USAGE	This code is used as one element in the combined location code of this standard.
MEDIA THROUGH WHICH AVAILABLE	www.unece.org/locode
LANGUAGES	English
ADDRESS OF RESPONSIBLE AGENCY	ERI Expert Group
REMARKS	see annex 4.3 for combination of elements in the location code

Example

BE BRU	Belgium Brussel
Usage in this standard	TDT/LOC (1..9)/C517/3225 CNI/LOC(1..2) /C517/3225
See:	Proposal: "Definition of the revised location and terminal code" by Ministry of Transport and public Works Traffic and Transport Advisory Service May 2002

14 Fairway section code

FULL TITLE	Fairway section code
ABBREVIATION	
ORIGINATING AUTHORITY	National administrations of waterways
LEGAL BASIS	
CURRENT STATUS	operational
IMPLEMENTATION DATE	
AMENDMENT	
STRUCTURE	5-digit numerical code
SUCCINCT DESCRIPITION	The waterway network is divided into sections. These may be whole rivers and canals over several 100 km or small sections. The position of a location inside a section may be given by hectometre or by the name (code) of a terminal or passage point.
LINKED CLASSIFICATIONS	UNLOCODE
USAGE	Numbering of the waterways in a national network. This code is used as one element in the combined location code of this standard.
MEDIA THROUGH WHICH AVAILABLE	
LANGUAGES	
ADDRESS OF RESPONSIBLE AGENCY	ERI Expert Group
REMARKS	see annex 4.3 for combination of elements in the location code

Example

03937	Rhein, Rüdesheimer Fahrwasser
02552	Oude Maas at Dordrecht

Usage in this standard

TDT/LOC/C517/3225
CNI/LOC/C517/3225

Remark: If there is no fairway code available, the field should be filled in with zeros.

15 Terminal Code

FULL TITLE	Terminal Code
ABBREVIATION FROM	
ORIGINATING FROM	National waterway authorities
LEGAL BASIS	
CURRENT STATUS	Version 2, April 2000
IMPLEMENTATION DATE	
AMENDMENT	Regularly
STRUCTURE	type of terminal (1-digit numeric) number of terminal (5-digit alphanumeric)
SUCCINCT DESCRIPITION	
LINKED CLASSIFICATIONS	
USAGE	This code is used as one element in the combined location code of this standard. See annex 4.3 for combination of elements in the location code
MEDIA THROUGH WHICH AVAILABLE	www.binnenvaart.org/btb/software/software.html
LANGUAGES	
ADDRESS OF RESPONSIBLE AGENCY	ERI Expert Group
REMARKS	See annex 4.3 for combination of elements in the location code

Example

LEUVE	Leuvehaven at Rotterdam, NL
Usage in this standard	TDT/LOC/C517/3225 CNI/LOC/C517/3225
Remark 1:	If there is no terminal code available, the field should be filled in with zeros.
Remark 2:	Each country will be responsible for ist own data. Centrtal distribution will be made by Rijkswaterstaat of The Netherlands.
Remark 3:	At present, a terminal code is maintained by Bureau Telematica for Rikswaterstaat.

16 Freight container size and type code

FULL TITLE	Freight containers - Coding, identification and marking
ABBREVIATION	
ORIGINATING AUTHORITY	International Organisation for Standardisatiom (ISO)
LEGAL BASIS	ISO 6364, chapter 4 and annexes D and E
CURRENT STATUS	operational
IMPLEMENTATION DATE	
AMENDMENT	3rd edition 1995-12-01
STRUCTURE	Container size; two alphanumeric characters(first for lenghth, second for combination of heighth and width) Container type: two characters
SUCCINCT DESCRIPITION	Size and type codes estabished for each sort of containers
LINKED CLASSIFICATIONS	ISO 6346 coding identification and marking
USAGE	Whenever known and indicated in the commercial exchange of information
MEDIA THROUGH WHICH AVAILABLE	www.iso.ch/iso/en
LANGUAGES	English
ADDRESS OF RESPONSIBLE AGENCY	http://www.bic-code.org/
REMARKS	The size type codes are displayed on the containers and as such shall be used in the electronic reporting whenever available from other exchanged information e.g. during the booking. Size type codes shall be used as a whole i.e. the information must not be broken into its component parts (ISO 6346:1995).

Example for size

42	Length: 40 ft.; height: 8 ft. 6 in. ; width: 8 ft.

Example for type

GP	general purpose container
BU	dry bulk container

Usage in this standard not used

17 Container identification code

FULL TITLE	Freight containers - Coding, identification and marking
ABBREVIATION	ISO Size Type codes
ORIGINATING AUTHORITY	International Organisation for Standardisation
LEGAL BASIS	ISO 6346, chapter 3, Annex A
CURRENT STATUS	Implemented throughout the world on all freight containers
IMPLEMENTATION DATE	17/06/1905
AMENDMENT	
STRUCTURE	Owner code: Three letters Equipment category identifier: one letter Serial number: six numerals Check digit: one numeral
SUCCINCT DESCRIPITION	The identification system is intended for general application, for example in documentation, control and communications (including automatic data processing systems), as well as for display on the containers themselves
LINKED CLASSIFICATIONS	ISO 668, ISO 1496, ISO 8323
USAGE	
MEDIA THROUGH WHICH AVAILABLE	www.iso.ch/iso/en http://www.bic-code.org/
LANGUAGES	English
ADDRESS OF RESPONSIBLE AGENCY	Bureau International des Conteneurs (BIC), 167 rue de Courcelles, F-75017 Paris, France
REMARKS	

Example

KNL U 471330 8 — NEDLLOYD freight container with serial number 471330 (8 is the check digit)

Usage in this standard — CNI/GID/DGS/SGP/C237/8260

18 Package type

FULL TITLE	Codes for types of cargo, packages and packing materials
ABBREVIATION	UNECE Recommendation 21
ORIGINATING AUTHORITY	UN CEFACT
LEGAL BASIS	
CURRENT STATUS	operational
IMPLEMENTATION DATE	August 1994 (ECE/TRADE/195)
AMENDMENT	Trade/CEFACT/2002/24
STRUCTURE	2-character alphanumeric code value Code-value name 2-digit numeric code value description
SUCCINCT DESCRIPITION	A numeric code system to describe the appearance of goods as presented for transport to facilitate identification, recording, handling, and establishing handling tariffs.
LINKED CLASSIFICATIONS	
USAGE	
MEDIA THROUGH WHICH AVAILABLE	www.unece.org/cefact
LANGUAGES	English, French, German
ADDRESS OF RESPONSIBLE AGENCY	ERI Expert Group
REMARKS	The numeric code value is not used in this standard

Example

BG	Bag
BX	Box

Usage in this standard CNI/GID/C213/7065

19 Handling instructions

FULL TITLE	Handling instruction description code
ABBREVIATION	UN/EDIFACT Data Element 4079
ORIGINATING AUTHORITY	UN CEFACT
LEGAL BASIS	
CURRENT STATUS	Operational
IMPLEMENTATION DATE	25/06/2005
AMENDMENT	Trade/CEFACT/2005/
STRUCTURE	Repr: an.. Code-value name 3-digit alpha code value description
SUCCINCT DESCRIPITION	An alpha code system to describe handling instructions for the tasks to be executed in a port to facilitate the handling of the vessel and establishing handling tariffs.
LINKED CLASSIFICATIONS	
USAGE	un/edifact messages
MEDIA THROUGH WHICH AVAILABLE	www.RISexpertgroups.org
LANGUAGES	English
ADDRESS OF RESPONSIBLE AGENCY	ERI Expert Group
REMARKS	The numeric code value is not used in this standard.

Example

LOA	Loading
DIS	Discharge
RES	Re-stow

Usage in this standard LOC/HAN/C524/4079

20 Purpose of call

FULL TITLE	Conveyance call purpose description code
ABBREVIATION	POC C525
ORIGINATING AUTHORITY	UN CEFACT
LEGAL BASIS	
CURRENT STATUS	Operational
IMPLEMENTATION DATE	25/07/2005
AMENDMENT	Trade/CEFACT/2005
STRUCTURE	Repr an..3 2-character numeric code value Code-value name
SUCCINCT DESCRIPITION	A numeric code system to describe the purpose of the call of the vessel to facilitate identification and recording,
LINKED CLASSIFICATIONS	HAN
USAGE	edifact messages
MEDIA THROUGH WHICH AVAILABLE	www.unece.org/cefact
LANGUAGES	English
ADDRESS OF RESPONSIBLE AGENCY	ERI Expert Group
REMARKS	The numeric code value is used in this standard.

Example

5	Other non-containerised
30	cargo in bulk

Usage in this standard TSR/POC/C525/8025

21 Nature of cargo

FULL TITLE	Cargo Type Classification Code
ABBREVIATION	UN/EDIFACT 7085 Cargo Type
ORIGINATING AUTHORITY	UN CEFACT
LEGAL BASIS	
CURRENT STATUS	Operational
IMPLEMENTATION DATE	25/07/2005
AMENDMENT	Trade/CEFACT/2005
STRUCTURE	AN..3 2-character numeric code value Code-value name 2-digit numeric code value description
SUCCINCT DESCRIPITION	A numeric code system to specify the classification of a type of cargo as transported to facilitate identification, recording, handling, and establishing tariffs.
LINKED CLASSIFICATIONS	HAN
USAGE	edifact messages
MEDIA THROUGH WHICH AVAILABLE	www.unece.org/cefact
LANGUAGES	English
ADDRESS OF RESPONSIBLE AGENCY	ERI Expert Group
REMARKS	The numeric code value is used in this standard

Example

1	Cargo Operations
23	Waste Disposal

Usage in this standard TSR/POC/C525/8025

Annex 4.1 (to annex 4, No. 1)

Codes for Types of Means of Transport in Inland Navigation

Recommendation No. 28 of UN/ECE

Extract for Inland Navigation with amendments of the CCNR for usage in the Standard for Electronic Ship Reporting in Inland Navigation (in italic and underlined letters)

UNITED NATIONS
ECONOMIC COMMISSION FOR EUROPE

CODES FOR TYPES OF MEANS OF TRANSPORT

Inland Navigation

2002-08-26

This document is work in progress for Inland River Transport.
The information contained herein may change substantially between drafts.

From RECOMMENDATION No. 28*, second edition*
United Nations Centre for the Trade Facilitation and Electronic Business

General remarks for usage

1 A barge has no propulsion of its own.

2 Until such a time that rebuilding of the vessel or barge takes place, making it necessary to provide a new measurement document, nothing changes in the type or code of the type of means of transport.

3 The present set of codes is considered to contain a subset of the codes provided in UN Recommendation 28. The codes preceded by "No" should not be used in data communication to avoid misunderstandings.

4 Some codes do have a subdivision behind the main code to provide clarity on the type of vessel.

5 There will be special codes for pleasure craft.

6 Abbreviations:
- *M = Mode of Transport (1 = sea navigation, 8 = inland navigation)*
- *U = Usage: V = Vessel, C = Combination*

USE V/C	M	Code Subdiv	Name Description
No	8	00	Vessel, type unknown Vessel of unknown type.
V	8	01 0	Motor freighter Motorised vessel designed for carrying general cargo.
V	8	02 0	Motor tanker Motorised vessel designed for carrying cargo in tanks
V	*8*	*02 1*	*Motor tanker, liquid cargo, type N* *Motorised vessel designed for carrying liquid cargo.*
V	*8*	*02 2*	*Motor tanker, liquid cargo, type C* *Motorised vessel designed for carrying special chemicals*
V	*8*	*02 3*	*Motor tanker, dry cargo* *Motorised vessel designed for carrying dry cargo as if liquid (e.g. cement)*
V	8	03 0	Container vessel Vessel designed for carrying containers.
V	8	04 0	Gas tanker Vessel with tanks designed for carrying gas.
C	8	05 0	Motor freighter, tug Motorised vessel designed for carrying cargo and capable of towing.
C	8	06 0	Motor tanker, tug Motorised vessel designed for carrying liquid cargo and capable to tow.
C	8	07 0	Motor freighter with one or more ships alongside Motorised vessel designed for carrying general cargo that has one or more vessels alongside.
C	8	08 0	Motor freighter with tanker Motorised vessel designed for carrying general cargo alongside a vessel designed for carrying liquid cargo.
C	8	09 0	Motor freighter pushing one or more freighters Motorised vessel designed for carrying general cargo, pushing one or more vessels also designed for carrying general cargo.
C	8	10 0	Motor freighter pushing at least one tank-ship Motorised vessel designed for carrying general cargo, pushing at least one vessel designed to carry a liquid cargo.
No	8	11	Tug, freighter Vessel designed to push or pull another vessel that is also capable of carrying general cargo.
No	8	12	Tug, tanker Vessel designed to push or pull another vessel also capable of carrying liquid cargo.
C	8	13 0	Tug, freighter, coupled Vessel designed to push or pull another vessel that is also capable of carrying general cargo tied to one or more other vessels.
C	8	14 0	Tug, freighter/tanker, coupled Vessel designed to push or pull another vessel that is also capable of carrying either general or liquid cargo tied to one or more other vessels.
V	8	15 0	Freightbarge Lighter designed for carrying general cargo.
V	8	16 0	Tankbarge Lighter designed for carrying cargo in tanks
V	*8*	*16 1*	*Tankbarge, liquid cargo, type N* *Lighter designed for carrying liquid cargo.*

USE V/C	M	Code Subdiv	Name Description
V	*8*	*16 2*	*Tankbarge, liquid cargo, typec* *Lighter designed to carrying special chemicals*
V	*8*	*16 3*	*Tankbarge, dry cargo* *Lighter designed for carrying dry cargo as if liquid (e.g. cement)*
V	8	17 0	Freightbarge with containers Lighter designed for carrying containers.
V	8	18 0	Tankbarge, gas Lighter designed for carrying gas.
C	8	21 0	Pushtow, one cargo barge Vessel designed for pushing/towing, facilitating the movement of one cargo barge.
C	8	22 0	Pushtow, two cargo barges Combination designed for pushing/towing, facilitating the movement of two cargo barges
C	8	23 0	Pushtow, three cargo barges Combination designed for pushing/towing, facilitating the movement of three cargo barges
C	8	24 0	Pushtow, four cargo barges Combination designed for pushing/towing, facilitating the movement four cargo barges
C	8	25 0	Pushtow, five cargo barges Combination designed for pushing/towing, facilitating the movement of five cargo barges.
C	8	26 0	Pushtow, six cargo barges Combination designed for pushing/towing, facilitating the movement of six cargo barges.
C	8	27 0	Pushtow, seven cargo barges Combination designed for pushing/towing, facilitating the movement of seven cargo barges.
C	8	28 0	Pushtow, eight cargo barges Combination designed for pushing/towing, facilitating the movement of eight cargo barges.
C	8	29 0	Pushtow, nine cargo barges Combination designed for pushing/towing, facilitating the movement of nine or more cargo barges.
C	8	31 0	Pushtow, one gas/tank barge Combination designed for pushing/towing, moving one tanker or gas barge.
C	8	32 0	Pushtow, two barges at least one tanker or gas barge Combination designed for pushing/towing, moving two barges of which at least one tanker or gas barge.
C	8	33 0	Pushtow, three barges at least one tanker or gasbarge Combination designed for pushing/towing, moving three barges of which at least one is a tanker or gas barge.
C	8	34 0	Pushtow, four barges at least one tanker or gasbarge Combination designed for pushing/towing, moving four barges of which at least one tanker or gasbarge.
C	8	35 0	Pushtow, five barges at least one tanker or gasbarge Combination designed for pushing/towing, moving five barges of which at least one tanker of gasbarge.
C	8	36 0	Pushtow, six barges at least one tanker or gasbarge

USE V/C	M	Code Subdiv	Name Description
			Combination designed for pushing/towing, moving six barges of which at least one tanker or gasbarge.
C	8	37 0	Pushtow, seven barges at least one tanker or gasbarge
			Combination designed for pushing/towing, moving seven barges of which at least one tanker or gasbarge.
C	8	38 0	Pushtow, eight barges at least one tanker or gasbarge
			Combination designed for pushing/towing, moving eight barges of which at least one tanker or gasbarge.
C	8	39 0	Pushtow, nine or more barges at least one tanker or gasbarge
			Combination designed for pushing/towing, moving nine or more barges of which at least one tanker or gasbarge.
V	8	40 0	Tug, single
			Vessel designed for pushing another vessel that is the only boat used for a tow.
No	8	41	Tug, one or more tows
			Vessel designed for pushing another vessel that is involved in one or more concurrent tows.
C	8	42 0	Tug, assisting a vessel or linked combination
			Vessel designed for pushing another vessel that is assisting one vessel or a combination of vessels or tugs and vessels.
V	8	43 0	Pushboat, single
			Vessel designed for pushing.
V	8	44 0	Passenger ship, ferry, red cross ship, cruise ship
			Vessels designed for carrying passengers in general.
V	*8*	*44 1*	*Ferry*
			Vessel designed for carrying passengers and/or vehicles on regular short voyages.
V	*8*	*44 2*	*Red Cross ship*
			Vessel designed for carrying sick and or disabled people
V	*8*	*44 3*	*Cruise ship*
			Vessel designed for carrying passengers accommodated on board
V	*8*	*44 4*	*Passenger ship without accommodation*
			Vessel designed for carrying passengers but without accommodation such as cabins etc.
V	8	45 0	Service vessel, police patrol, port services
			Vessel designed to perform a specific dedicated service.
V	8	46 0	Vessel, work maintenance craft, floating derrick, cable-ship, buoy-ship, dredge.
			Vessel designed to perform a specific type of work.
C	8	47 0	Object, towed, not otherwise specified.
			An object in tow that is not otherwise specified.
V	8	48 0	Fishing boat
			Vessel designed for fishing.
V	8	49 0	Bunkership
			Vessel designed for carrying and delivering bunkers.
V	8	50 0	Barge, tanker, chemical
			Vessel designed to carry liquid or bulk chemicals.
C	8	51 0	Object, not otherwise specified.
			A floating object that is not otherwise specified.

USE V/C	M	Code Subdiv	Name Description
			Extra codes for maritime means of transport
V	1	50 0	General Cargo Vessel Maritime Vessel designed to carry general cargo
V	1	51 0	Unit Carrier Maritime Vessel designed to carry containers
V	1	52 0	Bulk Carrier Maritime Vessel designed to carry bulk cargo
V	1	53 0	Tanker Vessel solely equipped with tanks for carrying cargo
V	1	54 0	Liquefied gas tanker Tanker designed to carry liquefied gas
V	1	85 0	Craft, pleasure longer than 20 meters Vessel designed for recreation longer than 20 meters
V	1	90 0	Fast ship Fast all purpose vessel
V	1	91 0	Hydrofoil Vessel with wing-like structure for skimming at high speed
V	1	92 0	Catamaran Fast Fast vessel designed with two parallel hulls

Annex 4.2 (to Annex 4, No. 1)

Vessel and convoy type codes in four languages following UN/ECE-Recommendation No. 28

Extract for Inland Navigation

General remarks for usage

1. A barge has no propulsion of its own
2. Until such a time that rebuilding of the vessel or barge takes place, making it necessary to provide a new measurement document, nothing changes in the type or code of the vessel type
3. The present set of codes is considered to contain a subset of the codes provided in UN Recommendation 28.
4. Some codes do have a subdivision in the fourth digit to provide clarity on the type of vessel
5. There will be special codes for pleasure craft

The first digit in column 1 indicates if vessel or convoy belongs to **inland (8)** or **sea (1) fleet**

*) Naming vessel within a convoy
(A single vessel without barge is also a convoy in this context)
Usage in Annex 3, TDT\C228\8179

**) Vessel within the convoy
(The naming vessel is also included)
Usage in Annex 3, EQD (B)\C224\8155

Code	Usage for Convoy *)	Usage for Vessel **)	English	Dutch	French	German
1	2		3	4	5	6
8010	x	x	Motor freighter	Motorvrachtschip	Automoteur-Porteur	Gütermotorschiff
8020	x	x	Motor tanker	Motortankschip	Automoteur-Citerne	Tankmotorschiff
8021	x	x	Motor tanker, liquid cargo, type N	Motortankschip, vloeibare lading, typ N	Automoteur-Citerne, Typ N	Tankmotorschiff, Flüssigfracht, Typ N
8022	xx		Motor tanker, liquid carg, type C	Motortankschip, vloeibare lading, typ C	Automoteur-Citerne, Typ N	Tankmotorschiff, Flüssigfracht, Typ C
8023	x	x	Motor tanker, dry cargo	Motortankschip, droge lading	Automoteur-Citerne, ...	Tankmotorschiff, Trockenfracht
8030	x	x	Container vessel	Containerschip	Automoteur Porte-Contenieurs	Containerschiff
8040	x	x		Gas-Tankschip	Automoteur-Citerne a gas	Gas-Tankschiff
8050	x	x	Motor freighter, tug	Slepend MVS	Automoteur Remorquant	GMS als Schlepper
8060	x	x	Motor tanker, tug	Slepend MTS	Automoteur-Citerne Remorquant	TMS als Schlepper
8070	x	x	Motor freighter with one or more ships alongside	Breed samenstel, MVS	Formation a couple, Automoteur	Breiter Verband, GMS
8080	x	x	Motor freighter with tanker	Breed samenstel, min. 1 MTS	Formation a couple, min. 1. Citerne	Gekoppelte Fahrzeuge, mind. 1 TMS
8090	x	x	Motor freighter pushing one or more freighters	Lang samenstel, MVS	Convoi, Automoteur-pousseur	Schubverband, GMS
8100	x	x	Motor freighter pushing at least one tank-ship	Lang samenstel, min. 1 MTS	Convoi, 1 Automoteur-pousseur	Schubverband, mind. 1 TMS

Code	Usage for Convoy *)	Usage for Vessel **)	English	Dutch	French	German
1	2		3	4	5	6
8130	x		Tug, freighter, coupled	Gekoppelde Sleep-Vrachtschepen	Bateau de Remorque (E.A.) accouplés	Gekoppelte Schlepp-Güterschiffe
8140	x		Tug, freighter/tanker, coupled	Gekoppelde Sleep-Sch. min. 1 SL-TS	Bateau de Remorque accouplés, 1 Cit.	Gekoppeltes Schlepp-Schiff, min. 1 Schl.TS
8150		x	Freightbarge	Vrachtduwbak (VDB)	Barge	Güterkahn / Leichter
8160		x	Tankbarge	Tankduwbak (TDB)	Barge-Citerne	Tankkahn / Tankleichter
8161		x	Tankbarge, liquid cargo, type N	Tankduwbak (TDB), vloeibare lading, typ N	Barge-Citerne, liquide, typ N.	Tankkahn / Tankleichter (TSL), Flüssigfracht, Typ N
8162		x	Tankbarge, liquid cargo, type C	Tankduwbak (TDB), vloeibare lading, typ C	Barge-Citerne, liquide, typ .C.	Tankkahn / Tankleichter, Flüssigfracht, Typ C
8163		x	Tankbarge, dry cargo	Tankduwbak (TDB), droge lading	Barge-Citerne, seche	Tankkahn / Tankleichter, Trockenfracht
8170		x	Freightbarge with containers	Vrachtduwbak met Containers	Barge Porte-Conteneurs	Tankkahn / Tankleichter mit Containern
8180		x	Tankbarge, gas	Gas-Tankduwbak (GTDB)	Barge-Citerne a gaz	Tankkahn / Tankleichter für Gas(GTSL)
8210	x		Pushtow, one cargo barge	Duwboot met 1 Vrachtduwbak	Pousseur, 1 Barge	Schubschiff mit 1 Güterschubleichter
8220	x		Pushtow, two cargo barges	Duwboot met 2 Vrachtduwbakken	Pousseur, 2 Barges	Schubschiff mit 2 Güterschubleichtern
8230	x		Pushtow, three cargo barges	Duwboot met 3 Vrachtduwbakken	Pousseur, 3 Barges	Schubschiff mit 3 Güterschubleichtern
8240	x		Pushtow, four cargo barges	Duwboot met 4 Vrachtduwbakken	Pousseur, 4 Barges	Schubschiff mit 4 Güterschubleichtern
8250	x		Pushtow, five cargo barges	Duwboot met 5 Vrachtduwbakken	Pousseur, 5 Barges	Schubschiff mit 5 Güterschubleichtern
8260	x		Pushtow, six cargo barges	Duwboot met 6 Vrachtduwbakken	Pousseur, 6 Barges	Schubschiff mit 6 Güterschubleichtern
8270	x		Pushtow, seven cargo barges	Duwboot met 7 Vrachtduwbakken	Pousseur, 7 Barges	Schubschiff mit 7 Güterschubleichtern
8280	x		Pushtow, eight cargo barges	Duwboot met 8 Vrachtduwbakken	Pousseur, 8 Barges	Schubschiff mit 8 Güterschubleichtern
8290	x		Pushtow, nine cargo barges	Duwboot meer dan 8 VRDB	Pousseur, > 8 Barges	Schubschiff mit mehr als 8 Güterschubleichtern
8310	x		Pushtow, one gas/tank barge	Duwboot 1 (G) TDB	Pousseur, 1 Barge-Citerne (G)	Schubschiff mit 1 TSL
8320	x		Pushtow, two barges at least one tanker or gas barge	Duwboot 2 DB - 1 (G) TDB	Pousseur, 2 Barges - 1 Cit. (G)	Schubschiff mit 2 SL - 1 TSL
8330	x		Pushtow, three barges at least one tanker or gasbarge	Duwboot 3 DB - min. 1 (G) TDB	Pousseur, 3 Barges - min. 1 Cit. (G)	Schubschiff mit 3 SL - min. 1 TSL
8340	x		Pushtow, four barges at least one tanker or gasbarge	Duwboot 4 DB - min. 1 (G) TDB	Pousseur, 4 Barges - min. 1 Cit. (G)	Schubschiff mit 4 SL - min. 1 TSL
8350	x		Pushtow, five barges at least one tanker or gasbarge	Duwboot 5 DB - min. 1 (G) TDB	Pousseur, 5 Barges - min. 1 Cit. (G)	Schubschiff mit 5 SL - min. 1 TSL

Code	Usage for Convoy *)	Usage for Vessel **)	English	Dutch	French	German
1	2		3	4	5	6
8360	x		Pushtow, six barges at least one tanker or gasbarge	Duwboot 6 DB - min. 1 (G) TDB	Pousseur, 6 Barges - min. 1 Cit. (G)	Schubschiff mit 6 SL - min. 1 TSL
8370	x		Pushtow, seven barges at least one tanker or gasbarge	Duwboot 7 DB - min. 1 (G) TDB	Pousseur, 7 Barges - min. 1 Cit. (G)	Schubschiff mit 7 SL - min. 1 TSL
8380	x		Pushtow, eight barges at least one tanker or gasbarge	Duwboot 8 DB - min. 1 (G) TDB	Pousseur, 8 Barges - min. 1 Cit. (G)	Schubschiff mit 8 SL - min. 1 TSL
8390	x		Pushtow, nine or more barges at least one tanker or gasbarge	Duwboot > 8 DB - min. 1 (G) TDB	Pousseur > 8 Barges - min. 1 Cit. (G)	Schubschiff mit >8 SL - min. 1 TSL
8400	x	x	Tug, single	Sleepboot Losvarend	Remorqueur seul	Schlepper
8420	x	x	Tug, assisting a vessel or linked combination	Sleepboot Assisterend	Remorqueur de manoeuvre	Schlepper assistierend
8430	x	x	Pushboat, single	Duwboot losvarend	Pousseur seul	Schubschiff
8440	x	x	Passenger ship, ferry, red cross ship, cruise ship	Passagierschip Binnenvaart	Bateau a passagers	Fahrgastschiff
8441	x	x	Ferry	Veerboot	Bateau a passagers	Fähre
8443	x	x	Cruise ship	Cruise schip	Beateau de croisiere	Kabinenschiff
8444	x	x	Passenger ship without accomodation on board	Passagierschip zonder accomodatie aan boord	Bateau au passager	Personen-Ausflugsschiff
8450	x	x	Service vessel, police patrol, port services	Dienstvaartuig	Bateau de service	Dienstfahrzeug
8460	x	x	Vessel, work maintenance craft, floating derrick, cable-ship, bouy-ship, dredge	Werkvaartuig	Bateau atelier	Arbeitsfahrzeug
8470		x	Object, towed, not otherwise specified	Gesleept object	Batiment remourqué	Geschlepptes Objekt
8490	x	x	Bunkership	Bunkerschip		Bunkerboot
8500		x	Barge, tanker, chemical	Duwbak, chemisch	Bateau de ravitaillement	Tankleichter, chemische Stoffe
8510		x	Object, not otherwise specified	Niet nader gespecificeerd object		Objekt, nicht näher bezeichnet
1500	x	x	General cargo vessel (Maritime)	Vrachtschip (Zee)	Porteur (Haute Mer)	Frachtschiff (See)
1510	x	x	Unit carrier (Maritime)	Containerschip (Zee)	Pore-Conteneurs (Haute Mer)	Containerschiff (See)
1520	x	x	Bulk carrier (Maritime)	Bulkcarrier (Zee)	Porteur en bloc (Haute Mer)	Massengutschiff (See)
1530	x	x	Tanker (Maritime)	Tanker (Geen Gas) (Zee)	Citerne (Pas de gaz) (Haute Mer)	Tankschiff (kein Gas) (See)
1540	x	x	Liquefied gas tanker	Gastanker (Zee)	Bateau citerne a gaz (Haute Mer)	Seegehendes Gas-Tankschiff (See)
1850	x	x	Craft, pleasure, longer than 20 metres	Grote Recreatievaart > 20 m	Bateau de plaisance > 20 m	Sportboot > 20 m (See)
1900	x	x	Fast ship	Snel vaartuig	Bateau rapide	Schnelles Schiff
1910	x	x	Hydrofoil	Draagvleugelboot	Bateau rapide	Tragflügelschiff
1920	x	x	Catamaran, Fast	Snelle catamaran	Bateau rapide	Katamaran, schnell

Annex 4.3 (to annex 4, No. 11 - 14)

Examples for the combination of elements in the Location Code

Data Elements

The full Location Code has the following elements:

1 UN Country code (2 digits)
2 UN Location code (3 digits)
3 Fairway section No. (5 digits)
4 Terminal code or passage point code (5 digits)
5 Fairway section hectometre (5 digits), in the database treated as an attribute to the fairway section number

The location must be given unique which can happen in different ways depending on the purpose of reporting and the local situation.

Examples

Purpose	Example		Used Elements					Code				
	No.	Full Text	1 UN Country code	2 UN Location code	3 Fairway section number	4 Terminal code	5 Fairway hectometre	1	2	3	4	5
Transport notice, invoice declaration												
	Place of departure/destination											
	1	Germany; Mainz; Rhine; Frankenbach; ;	X	X	X	X		DE	MAI	03901	00FRB	00000
	2	The Netherlands; Rotterdam; Section 2552 (Oude Maas); Leuvehaven; ;	X	X	X	X		NL	RTM	02552	LEUVE	00000
	3	The Netherlands; ;Section 2552 (Oude Maas); ; km 2,2	X		X		X	NL	XXX	05552	00000	00022
	4	Germany; ; Rhine; ; km 502.3	X		X		X	DE	XXX	03900	00000	05023
Traffic notice												
	Passage Point											
	5	Germany; ; Rhine; ;km 502.3	X		X		X	DE	XXX	03900	00000	05023
	6	Germany;Oberwesel; Rhine; Traffic centre; ;	X	X	X	X		DE	OWE	03901	TRACE	00000
	7	Germany; Trier; Mose; lock; ;	X	X	X	X		De	TRI	03201	LOCK	00000

Annex 5

XML Message Specifications

Table of contents

1. Introduction

1.1 General

This document details the technical requirements for converting ISRS EDIFACT messages to and from XML messages. The messages are the notification message (ERINOT=IFTDGN98B) and the response message (ERIRSP=APERAK98B).
First an overview is given followed by the scheme definitions as generated by the XML tool used to enter the scheme definitions. Then the mapping is defined. Finally generated examples are given.

1.2 List of versions

Version	Date	Description
A(1)	14-01-04	Initial
A(2)	19-01-04	Modified layout
B	09-06-04	XSD modifications
C	06-08-04	XSD modification: *ERINOT:* Element GenerationDateTime -> DateTime type (instead of string) Element PackingGroup is optional. Element Country an2->an2..3 Element Fairwaysection an5->an0..7 (supporting older codes also) Element Terminalcode an5-an0..10 Element TerminalName an..70 added Group ContainerMatrixes/Container -> ContainerMatriexes/ContainerMatrix Group NameAddress\Contact\CommsContact can reapeat 0..3. Group GoodSplitGoodsPlacement added for non-dangerous *ERIRSP* Group NamesAdresses added (to be consistent with erinot) Element Country an2->an2..3

2. Scheme overview

This section gives an overview of the used XML structure and describes the most important sections (top levels) in it.

2.1 ERINOT

<ERINOT xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" VersionMajor="0" VersionMinor="0">	
<MessageId>...</MessageId>	XML message identifiers & info
<EDIMapping>...</EDIMapping>	Edifact message type info: Edi->xml: the edifact source Xml->edi: the edifact msg to create.
<SafetyExplanation>...</SafetyExplanation>	
<PrivacyStatement>Y</PrivacyStatement>	
<MessageRef>String</MessageRef>	
<TransportDocRef>String</TransportDocRef>	
<TestScenarioRef>String</TestScenarioRef>	
<Transport>	
<TransportDetails> ... </TransportDetails>	Main hull info (namegiving barge)
<TransportDimensions>...</TransportDimensions>	
<TransportReference>...</TransportReference>	
<TransportLocations>	
<PortOfDeparture>...</PortOfDeparture>	Port of departure
<PassagePoint>...</PassagePoint>	Passagepoint (for passacge msgs)
<NextPortOfCall>...</NextPortOfCall>	First reporting point
<Routepoints>	0-5 Via points
<Routepoint>...</Routepoint>	
<RoutePointPassageTime>2001-12-17T09:30:47-05:00</RoutePointPassageTime>	
</Routepoints>	
<PortOfDestination>...</PortOfDestination>	Port of destination
<ETD>2001-12-17T09:30:47-05:00</ETD>	
<PassageTime>2001-12-17T09:30:47-05:00</PassageTime>	
<ETA>2001-12-17T09:30:47-05:00</ETA>	
</TransportLocations>	
</Transport>	
<MessageSenderAddress>	Message Sender, Agent info
<NameAddress>...</NameAddress>	
<Contact>	
<ContactInformation>String</ContactInformation>	
<CommsContact>...</CommsContact>	1-3 Communication numbers per address (telephone, fax etc)
</Contact>	
</ MessageSenderAddress >	
<AgentInvoiceAddress>	
<NameAddress>...</NameAddress>	
<Contact>	
<ContactInformation>String</ContactInformation>	
<CommsContact>...</CommsContact>	1-3 Communication numbers per

	address (telephone, fax etc)
</Contact>	
</AgentInvoiceAddress>	
<Barges>	List of barges in transport (transport combinations)
<Barge>	
<BargeId>...</BargeDimensions>	
<BargeType>Stri</BargeType>	
<BargeName>String</BargeName>	
<EquipmentType>BRY</EquipmentType>	
<BargeDimensions>...</BargeDimensions>	
</Barge>	
</Barges>	
<ContainerMatrixes>	Totals per containertype
<ContainerMatrix>	
<ContRange>RNG20</ContRange>	
<Number>0</Number>	
<ContStatus>4</ContStatus>	
</ContainerMatrix>	
</ContainerMatrixes>	
<Consignments>	0-999 Consignments
<Consignment>	
<SequenceNo>9999</SequenceNo>	
<DepartureTime>2001-12-17T09:30:47-05:00</DepartureTime>	
<PortOfLoading>...</PortOfLoading>	
<PortOfDischarge>...</PortOfDischarge>	
<CargoReceiver>...</CargoReceiver>	
<CargoSender>...</CargoSender>	
<ArrivalTime>2001-12-17T09:30:47-05:00</ArrivalTime>	
<CargoHandeling>T</CargoHandeling>	
<GoodsItems>	0-99 Goods per Consignment
<GoodsItem>	
<GoodsItemNo>99999</GoodsItemNo>	
<NumberOfPackages>99999999</NumberOfPackages>	
<AdditionalInfo>...</AdditionalInfo>	
<GoodsDescription>...</GoodsDescription>	
<DangerousGoodsInfo>	Info about the dangerous good (including placement onboard)
<DangerousGoods>...</DangerousGoods>	
<TechnicalName>String</TechnicalName>	
<NetWeight>0</NetWeight>	
<Synonym>String</Synonym>	
</DangerousGoodsInfo>	

<GoodSplitGoodsPlacements>	Info about non-dagerous goods
<SplitGoodsPlacement>	
<Placement>…</Placement>	Barge where good is stowed
<Weight>999999999</Weight>	
<Volume>0</Volume>	
</SplitGoodsPlacement>	
<ContainerStowage>…</ContainerStowage>	0-99 Containers per Dang. Good
</GoodSplitGoodsPlacements>	
<TypeOfPackages>St</TypeOfPackages>	
</GoodsItem>	
</GoodsItems>	
</Consignment>	
</Consignments>	
</ERINOT>	

2.2 ERIRSP

<ERIRSP xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" VersionMajor="0" VersionMinor="0">	
<MessageId>…</MessageId>	XML message identifiers & info
<EDIMapping>…</EDIMapping>	Edifact message type info: Edi->xml: the edifact source Xml->edi: the edifact msg to create.
<MessageDateTime>2001-12-17T09:30:47-05:00</MessageDateTime>	
<MessageRef>String</MessageRef>	
<TransportRef>String</TransportRef>	
<ErrorInformation>	
<ErrorCode>String</ErrorCode>	
<ErrorDescription>String</ErrorDescription>	
</ErrorInformation>	
<NamesAddresses>	
<NameAddress>…</NameAddress>	Sender info
<CommsContact>…</CommsContact>	Sender contact info
</NamesAddresses>	
</ERIRSP>	

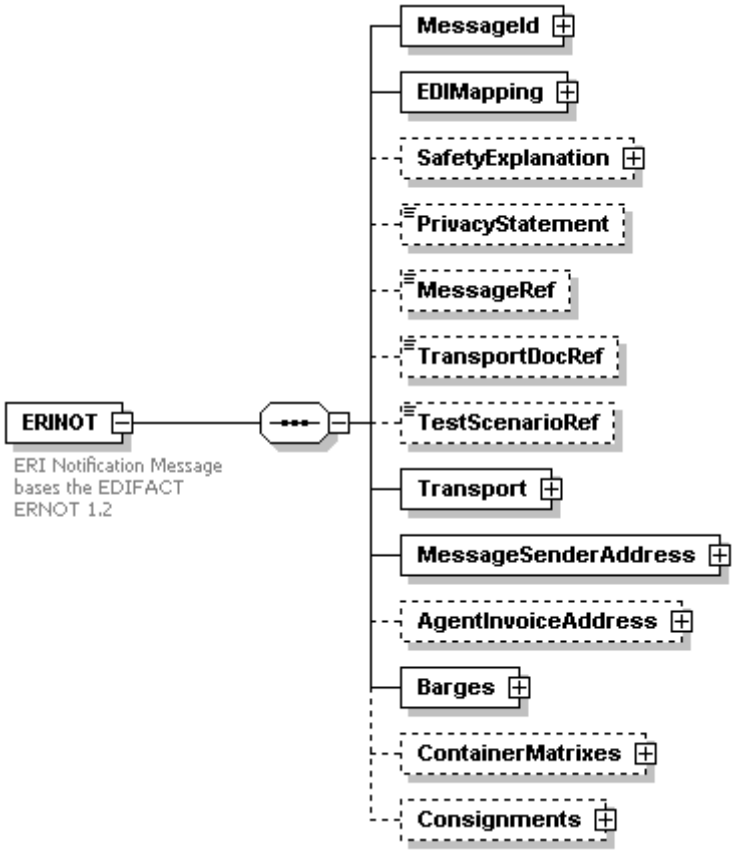
3. Scheme definition

This section defines the scheme definitions of the ERINOT and ERIRSP messages. As these schemes are designed for conversion purposes, the lay-out follows the EDIFACT lay-out.
Formally one should use a concept for designing the xml scheme which follows the EDI messages more closely. The design of the xml scheme definitions in this document is based on the idea that this scheme could be a basis for a future more definitive version which is to be used in case applications or systems exchange data based on XML messages in stead of EDIFACT messages.

3.1 Schema ERINOT V2.4.xsd

Elements	Complex types	Simple types
ERINOT	CommsContactType	HandlingType
	ContactType	HSCodeType
	ContainerStowageType	VolumeType
	LocationType	WeightType
	MessageIdType	
	NameAddressType	
	SplitGoodsPlacementType	
	TransportDimensionsType	
	VesselType	

diagram



children MessageId EDIMapping SafetyExplanation PrivacyStatement MessageRef TransportDocRef TestScenarioRef Transport MessageSenderAddress AgentInvoiceAddress Barges ContainerMatrixes Consignments

attributes	Name	Type	Use	Default	Fixed	Annotation
	VersionMajor	xs:integer	required			

	VersionMinor xs:integer required
annotation	documentation ERI Notification Message bases the EDIFACT ERNOT 1.2

source

```
<xs:element name="ERINOT">
 <xs:annotation>
  <xs:documentation>ERI Notification Message bases the EDIFACT ERNOT 1.2</xs:documentation>
 </xs:annotation>
 <xs:complexType>
  <xs:sequence>
   <xs:element name="MessageId" type="MessageIdType"/>
   <xs:element name="EDIMapping">
    <xs:complexType>
     <xs:sequence>
      <xs:element name="Syntax" type="xs:string"/>
      <xs:element name="SyntaxVersion" type="xs:string"/>
      <xs:element name="MessageType" type="xs:string"/>
      <xs:element name="MessageVersion" type="xs:string"/>
      <xs:element name="MessageRelease" type="xs:string"/>
      <xs:element name="MessageControllingAgency" type="xs:string"/>
      <xs:element name="AssociationAssignedCode" type="xs:string"/>
     </xs:sequence>
    </xs:complexType>
   </xs:element>
   <xs:element name="SafetyExplanation" minOccurs="0">
    <xs:complexType>
     <xs:sequence>
      <xs:element name="Signalling" minOccurs="0">
       <xs:simpleType>
        <xs:restriction base="xs:string">
         <xs:length value="1"/>
         <xs:enumeration value="0"/>
         <xs:enumeration value="1"/>
         <xs:enumeration value="2"/>
         <xs:enumeration value="3"/>
         <xs:enumeration value="B"/>
         <xs:enumeration value="V"/>
        </xs:restriction>
       </xs:simpleType>
      </xs:element>
      <xs:element name="PersonsOnBoard">
       <xs:annotation>
        <xs:documentation>Total number of persons on board</xs:documentation>
       </xs:annotation>
       <xs:simpleType>
        <xs:restriction base="xs:integer">
         <xs:minInclusive value="0000"/>
         <xs:maxInclusive value="9999"/>
        </xs:restriction>
       </xs:simpleType>
      </xs:element>
      <xs:element name="PassengersOnBoard" minOccurs="0">
       <xs:simpleType>
        <xs:restriction base="xs:integer">
         <xs:minInclusive value="0000"/>
         <xs:maxInclusive value="9999"/>
        </xs:restriction>
       </xs:simpleType>
      </xs:element>
     </xs:sequence>
    </xs:complexType>
   </xs:element>
   <xs:element name="PrivacyStatement" minOccurs="0">
    <xs:simpleType>
     <xs:restriction base="xs:string">
      <xs:length value="1"/>
      <xs:enumeration value="Y"/>
      <xs:enumeration value="N"/>
     </xs:restriction>
    </xs:simpleType>
   </xs:element>
   <xs:element name="MessageRef" minOccurs="0">
    <xs:simpleType>
     <xs:restriction base="xs:string">
      <xs:maxLength value="23"/>
     </xs:restriction>
```

```
  </xs:simpleType>
</xs:element>
<xs:element name="TransportDocRef" minOccurs="0">
  <xs:simpleType>
    <xs:restriction base="xs:string">
      <xs:maxLength value="35"/>
    </xs:restriction>
  </xs:simpleType>
</xs:element>
<xs:element name="TestScenarioRef" minOccurs="0">
  <xs:simpleType>
    <xs:restriction base="xs:string">
      <xs:maxLength value="35"/>
    </xs:restriction>
  </xs:simpleType>
</xs:element>
<xs:element name="Transport">
  <xs:complexType>
    <xs:sequence>
      <xs:element name="TransportDetails">
        <xs:complexType>
          <xs:sequence>
            <xs:element name="VoyageNo">
              <xs:simpleType>
                <xs:restriction base="xs:string">
                  <xs:maxLength value="17"/>
                </xs:restriction>
              </xs:simpleType>
            </xs:element>
            <xs:element name="TransportMode">
              <xs:simpleType>
                <xs:restriction base="xs:string">
                  <xs:length value="1"/>
                  <xs:enumeration value="1"/>
                  <xs:enumeration value="8"/>
                </xs:restriction>
              </xs:simpleType>
            </xs:element>
            <xs:element name="TransportMeans">
              <xs:simpleType>
                <xs:restriction base="xs:string">
                  <xs:maxLength value="4"/>
                </xs:restriction>
              </xs:simpleType>
            </xs:element>
            <xs:element name="Vessel" type="VesselType"/>
            <xs:element name="VesselName">
              <xs:simpleType>
                <xs:restriction base="xs:string">
                  <xs:maxLength value="35"/>
                </xs:restriction>
              </xs:simpleType>
            </xs:element>
            <xs:element name="Nationality">
              <xs:simpleType>
                <xs:restriction base="xs:string">
                  <xs:minLength value="2"/>
                  <xs:maxLength value="3"/>
                </xs:restriction>
              </xs:simpleType>
            </xs:element>
          </xs:sequence>
          <xs:attribute name="StageQualifier" type="xs:string" use="required" fixed="20"/>
        </xs:complexType>
      </xs:element>
      <xs:element name="TransportDimensions" type="TransportDimensionsType"/>
      <xs:element name="TransportReference" minOccurs="0" maxOccurs="3">
        <xs:complexType>
          <xs:sequence>
            <xs:element name="RefQualifier">
              <xs:simpleType>
                <xs:restriction base="xs:string">
                  <xs:length value="3"/>
                  <xs:enumeration value="GNB"/>
                  <xs:enumeration value="GNF"/>
```

```
                    <xs:enumeration value="GNG"/>
                    <xs:enumeration value=""/>
                  </xs:restriction>
                </xs:simpleType>
              </xs:element>
              <xs:element name="RefNo">
                <xs:simpleType>
                  <xs:restriction base="xs:string">
                    <xs:maxLength value="35"/>
                  </xs:restriction>
                </xs:simpleType>
              </xs:element>
            </xs:sequence>
          </xs:complexType>
        </xs:element>
        <xs:element name="TransportLocations">
          <xs:complexType>
            <xs:sequence>
              <xs:element name="PortOfDeparture" type="LocationType"/>
              <xs:element name="PassagePoint" type="LocationType" minOccurs="0"/>
              <xs:element name="NextPortOfCall" type="LocationType" minOccurs="0"/>
              <xs:element name="RoutePoints" minOccurs="0" maxOccurs="5">
                <xs:complexType>
                  <xs:sequence>
                    <xs:element name="RoutePoint" type="LocationType"/>
                    <xs:element name="RoutePointPassageTime" type="xs:dateTime" minOccurs="0"/>
                  </xs:sequence>
                </xs:complexType>
              </xs:element>
              <xs:element name="PortOfDestination" type="LocationType"/>
              <xs:element name="ETD" type="xs:dateTime" minOccurs="0"/>
              <xs:element name="PassageTime" type="xs:dateTime" minOccurs="0"/>
              <xs:element name="ETA" type="xs:dateTime" minOccurs="0"/>
            </xs:sequence>
          </xs:complexType>
        </xs:element>
      </xs:sequence>
    </xs:complexType>
  </xs:element>
  <xs:element name="MessageSenderAddress">
    <xs:complexType>
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        <xs:element name="NameAddress" type="NameAddressType"/>
        <xs:element name="Contact" type="ContactType" minOccurs="0"/>
      </xs:sequence>
    </xs:complexType>
  </xs:element>
  <xs:element name="AgentInvoiceAddress" minOccurs="0">
    <xs:complexType>
      <xs:sequence>
        <xs:element name="NameAddress" type="NameAddressType"/>
        <xs:element name="Contact" type="ContactType" minOccurs="0"/>
      </xs:sequence>
    </xs:complexType>
  </xs:element>
  <xs:element name="Barges">
    <xs:complexType>
      <xs:sequence>
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          <xs:complexType>
            <xs:sequence>
              <xs:element name="BargeId" type="VesselType"/>
              <xs:element name="BargeType">
                <xs:simpleType>
                  <xs:restriction base="xs:string">
                    <xs:maxLength value="4"/>
                  </xs:restriction>
                </xs:simpleType>
              </xs:element>
              <xs:element name="BargeName">
                <xs:simpleType>
                  <xs:restriction base="xs:string">
                    <xs:maxLength value="35"/>
                  </xs:restriction>
                </xs:simpleType>
```

```
            </xs:element>
            <xs:element name="EquipmentType">
              <xs:simpleType>
                <xs:restriction base="xs:string">
                  <xs:maxLength value="3"/>
                  <xs:enumeration value="BRY"/>
                  <xs:enumeration value="BRN"/>
                </xs:restriction>
              </xs:simpleType>
            </xs:element>
            <xs:element name="BargeDimensions" type="TransportDimensionsType"/>
          </xs:sequence>
        </xs:complexType>
      </xs:element>
    </xs:sequence>
  </xs:complexType>
</xs:element>
<xs:element name="ContainerMatrixes" minOccurs="0">
  <xs:complexType>
    <xs:sequence>
      <xs:element name="ContainerMatrix" maxOccurs="9">
        <xs:complexType>
          <xs:sequence>
            <xs:element name="ContRange">
              <xs:simpleType>
                <xs:restriction base="xs:string">
                  <xs:maxLength value="5"/>
                  <xs:enumeration value="RNG20"/>
                  <xs:enumeration value="RNG30"/>
                  <xs:enumeration value="RNG40"/>
                </xs:restriction>
              </xs:simpleType>
            </xs:element>
            <xs:element name="Number">
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                <xs:restriction base="xs:integer">
                  <xs:maxInclusive value="9999"/>
                  <xs:minInclusive value="0"/>
                </xs:restriction>
              </xs:simpleType>
            </xs:element>
            <xs:element name="ContStatus">
              <xs:simpleType>
                <xs:restriction base="xs:string">
                  <xs:length value="1"/>
                  <xs:enumeration value="4"/>
                  <xs:enumeration value="5"/>
                  <xs:enumeration value="6"/>
                </xs:restriction>
              </xs:simpleType>
            </xs:element>
          </xs:sequence>
        </xs:complexType>
      </xs:element>
    </xs:sequence>
  </xs:complexType>
</xs:element>
<xs:element name="Consignments" minOccurs="0">
  <xs:complexType>
    <xs:sequence>
      <xs:element name="Consignment" maxOccurs="999">
        <xs:complexType>
          <xs:sequence>
            <xs:element name="SequenceNo">
              <xs:simpleType>
                <xs:restriction base="xs:integer">
                  <xs:minInclusive value="1"/>
                  <xs:maxInclusive value="9999"/>
                </xs:restriction>
              </xs:simpleType>
            </xs:element>
            <xs:element name="DepartureTime" type="xs:dateTime" minOccurs="0"/>
            <xs:element name="PortOfLoading" type="LocationType" minOccurs="0"/>
            <xs:element name="PortOfDischarge" type="LocationType" minOccurs="0"/>
            <xs:element name="CargoReceiver" type="NameAddressType" minOccurs="0"/>
```

```
<xs:element name="CargoSender" type="NameAddressType" minOccurs="0"/>
<xs:element name="ArrivalTime" type="xs:dateTime" minOccurs="0"/>
<xs:element name="CargoHandeling" type="HandlingType" minOccurs="0"/>
<xs:element name="GoodsItems">
 <xs:complexType>
  <xs:sequence>
   <xs:element name="GoodsItem" maxOccurs="99">
    <xs:complexType>
     <xs:sequence>
      <xs:element name="GoodsItemNo">
       <xs:simpleType>
        <xs:restriction base="xs:integer">
         <xs:maxInclusive value="99999"/>
        </xs:restriction>
       </xs:simpleType>
      </xs:element>
      <xs:element name="NumberOfPackages" minOccurs="0">
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        <xs:restriction base="xs:integer">
         <xs:maxInclusive value="99999999"/>
        </xs:restriction>
       </xs:simpleType>
      </xs:element>
      <xs:element name="AdditionalInfo" minOccurs="0">
       <xs:complexType>
        <xs:sequence>
         <xs:element name="TypeOfGood">
          <xs:simpleType>
           <xs:restriction base="xs:string">
            <xs:length value="1"/>
            <xs:enumeration value="D"/>
            <xs:enumeration value="N"/>
           </xs:restriction>
          </xs:simpleType>
         </xs:element>
         <xs:element name="HSCode" type="HSCodeType" minOccurs="0"/>
         <xs:element name="CustomsStatus" minOccurs="0">
          <xs:simpleType>
           <xs:restriction base="xs:string">
            <xs:length value="1"/>
            <xs:enumeration value="T"/>
            <xs:enumeration value="C"/>
            <xs:enumeration value="F"/>
            <xs:enumeration value="X"/>
           </xs:restriction>
          </xs:simpleType>
         </xs:element>
         <xs:element name="CustomsRefNo" minOccurs="0">
          <xs:simpleType>
           <xs:restriction base="xs:string">
            <xs:maxLength value="35"/>
           </xs:restriction>
          </xs:simpleType>
         </xs:element>
         <xs:element name="Overseas">
          <xs:simpleType>
           <xs:restriction base="xs:string">
            <xs:length value="1"/>
            <xs:enumeration value="Y"/>
            <xs:enumeration value="N"/>
           </xs:restriction>
          </xs:simpleType>
         </xs:element>
        </xs:sequence>
       </xs:complexType>
      </xs:element>
      <xs:element name="GoodsDescription" minOccurs="0">
       <xs:complexType>
        <xs:sequence>
         <xs:element name="GoodsName">
          <xs:simpleType>
           <xs:restriction base="xs:string">
            <xs:maxLength value="70"/>
           </xs:restriction>
          </xs:simpleType>
```

```
      </xs:element>
      <xs:element name="NSTRCode" minOccurs="0">
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            <xs:length value="6"/>
          </xs:restriction>
        </xs:simpleType>
      </xs:element>
      <xs:element name="HSCode" type="HSCodeType" minOccurs="0"/>
      <xs:element name="GoodsFreeRemark" minOccurs="0">
        <xs:simpleType>
          <xs:restriction base="xs:string">
            <xs:maxLength value="70"/>
          </xs:restriction>
        </xs:simpleType>
      </xs:element>
    </xs:sequence>
  </xs:complexType>
</xs:element>
<xs:element name="DangerousGoodsInfo" minOccurs="0">
  <xs:complexType>
    <xs:sequence>
      <xs:element name="DangerousGoods">
        <xs:complexType>
          <xs:sequence>
            <xs:element name="Regulation">
              <xs:simpleType>
                <xs:restriction base="xs:string">
                  <xs:length value="3"/>
                  <xs:enumeration value="ANR"/>
                  <xs:enumeration value="IMD"/>
                </xs:restriction>
              </xs:simpleType>
            </xs:element>
            <xs:element name="Classification">
              <xs:simpleType>
                <xs:restriction base="xs:string">
                  <xs:maxLength value="7"/>
                </xs:restriction>
              </xs:simpleType>
            </xs:element>
            <xs:element name="AdditionalClassification" minOccurs="0"/>
            <xs:element name="UNNumber">
              <xs:simpleType>
                <xs:restriction base="xs:string">
                  <xs:length value="4"/>
                </xs:restriction>
              </xs:simpleType>
            </xs:element>
            <xs:element name="Flashpoint" type="xs:float" minOccurs="0"/>
            <xs:element name="FlashpointUnit" minOccurs="0">
              <xs:simpleType>
                <xs:restriction base="xs:string">
                  <xs:length value="3"/>
                  <xs:enumeration value="CEL"/>
                  <xs:enumeration value="FAH"/>
                </xs:restriction>
              </xs:simpleType>
            </xs:element>
            <xs:element name="PackingGroup" minOccurs="0">
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                  <xs:length value="1"/>
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              </xs:simpleType>
            </xs:element>
            <xs:element name="EMSNumber" minOccurs="0">
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            <xs:element name="MFAGNumber" minOccurs="0">
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```

```
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                                <xs:element name="HazardPlacard" minOccurs="0">
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                                          </xs:restriction>
                                        </xs:simpleType>
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                                          </xs:restriction>
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                                    </xs:sequence>
                                  </xs:complexType>
                                </xs:element>
                              </xs:sequence>
                            </xs:complexType>
                          </xs:element>
                          <xs:element name="TechnicalName">
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                                <xs:maxLength value="70"/>
                              </xs:restriction>
                            </xs:simpleType>
                          </xs:element>
                          <xs:element name="NetWeight" type="xs:integer"/>
                          <xs:element name="Synonym" minOccurs="0">
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                                <xs:maxLength value="70"/>
                              </xs:restriction>
                            </xs:simpleType>
                          </xs:element>
                        </xs:sequence>
                      </xs:complexType>
                    </xs:element>
                    <xs:element name="GoodSplitGoodsPlacements" minOccurs="0" maxOccurs="99">
                      <xs:complexType>
                        <xs:sequence>
                          <xs:element name="SplitGoodsPlacement" type="SplitGoodsPlacementType"/>
                          <xs:element name="ContainerStowage" type="ContainerStowageType" minOccurs="0"
maxOccurs="99"/>
                        </xs:sequence>
                      </xs:complexType>
                    </xs:element>
                    <xs:element name="TypeOfPackages" minOccurs="0">
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                          <xs:length value="2"/>
                        </xs:restriction>
                      </xs:simpleType>
                    </xs:element>
                  </xs:sequence>
                </xs:complexType>
              </xs:element>
            </xs:sequence>
          </xs:complexType>
        </xs:element>
      </xs:sequence>
    </xs:complexType>
  </xs:element>
</xs:sequence>
```
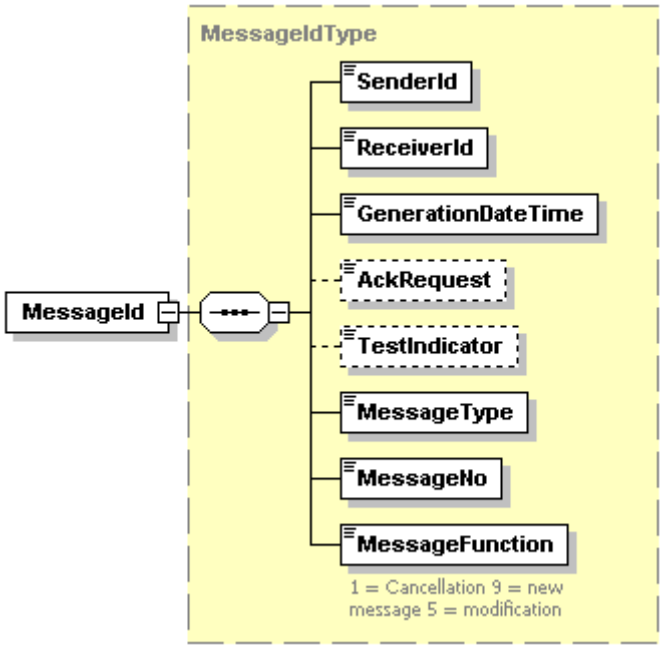
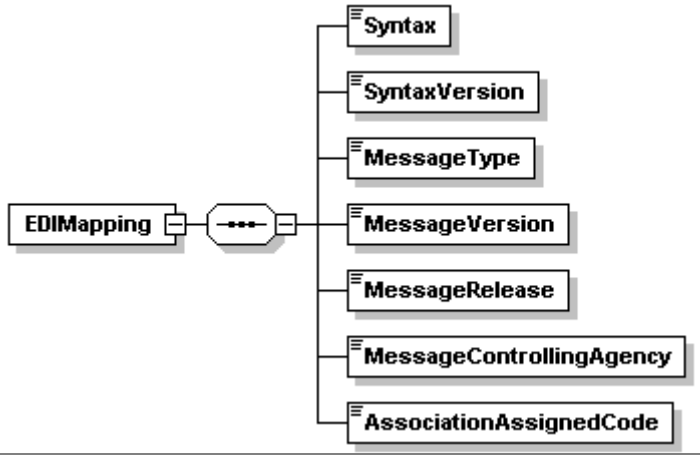

```
    <xs:attribute name="VersionMajor" type="xs:integer" use="required"/>
    <xs:attribute name="VersionMinor" type="xs:integer" use="required"/>
   </xs:complexType>
  </xs:element>
```

element **ERINOT/MessageId**

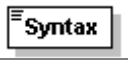
diagram	
type	MessageIdType
children	SenderId ReceiverId GenerationDateTime AckRequest TestIndicator MessageType MessageNo MessageFunction
source	<xs:element name="MessageId" type="MessageIdType"/>

element **ERINOT/EDIMapping**

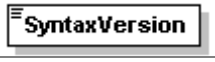
diagram	
children	Syntax SyntaxVersion MessageType MessageVersion MessageRelease MessageControllingAgency AssociationAssignedCode
source	<xs:element name="EDIMapping"> <xs:complexType> <xs:sequence> <xs:element name="Syntax" type="xs:string"/> <xs:element name="SyntaxVersion" type="xs:string"/> <xs:element name="MessageType" type="xs:string"/> <xs:element name="MessageVersion" type="xs:string"/>

```
      <xs:element name="MessageRelease" type="xs:string"/>
      <xs:element name="MessageControllingAgency" type="xs:string"/>
      <xs:element name="AssociationAssignedCode" type="xs:string"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
</xs:element>
```

element **ERINOT/EDIMapping/Syntax**

diagram	
type	**xs:string**
source	<xs:element name="Syntax" type="xs:string"/>

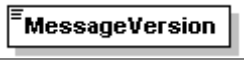
element **ERINOT/EDIMapping/SyntaxVersion**

diagram	
type	**xs:string**
source	<xs:element name="SyntaxVersion" type="xs:string"/>

element **ERINOT/EDIMapping/MessageType**

diagram	
type	**xs:string**
source	<xs:element name="MessageType" type="xs:string"/>

element **ERINOT/EDIMapping/MessageVersion**

diagram	
type	**xs:string**
source	<xs:element name="MessageVersion" type="xs:string"/>

element **ERINOT/EDIMapping/MessageRelease**

diagram	
type	**xs:string**
source	<xs:element name="MessageRelease" type="xs:string"/>

element **ERINOT/EDIMapping/MessageControllingAgency**

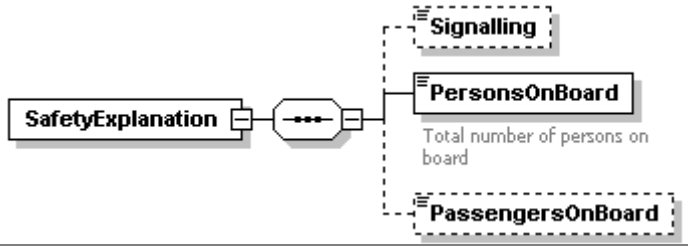
diagram	
type	**xs:string**
source	<xs:element name="MessageControllingAgency" type="xs:string"/>

element **ERINOT/EDIMapping/AssociationAssignedCode**

diagram	
type	**xs:string**

source	<xs:element name="AssociationAssignedCode" type="xs:string"/>

element **ERINOT/SafetyExplanation**

diagram	
children	Signalling PersonsOnBoard PassengersOnBoard
source	<xs:element name="SafetyExplanation" minOccurs="0"> <xs:complexType> <xs:sequence> <xs:element name="Signalling" minOccurs="0"> <xs:simpleType> <xs:restriction base="xs:string"> <xs:length value="1"/> <xs:enumeration value="0"/> <xs:enumeration value="1"/> <xs:enumeration value="2"/> <xs:enumeration value="3"/> <xs:enumeration value="B"/> <xs:enumeration value="V"/> </xs:restriction> </xs:simpleType> </xs:element> <xs:element name="PersonsOnBoard"> <xs:annotation> <xs:documentation>Total number of persons on board</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction base="xs:integer"> <xs:minInclusive value="0000"/> <xs:maxInclusive value="9999"/> </xs:restriction> </xs:simpleType> </xs:element> <xs:element name="PassengersOnBoard" minOccurs="0"> <xs:simpleType> <xs:restriction base="xs:integer"> <xs:minInclusive value="0000"/> <xs:maxInclusive value="9999"/> </xs:restriction> </xs:simpleType> </xs:element> </xs:sequence> </xs:complexType> </xs:element>

element **ERINOT/SafetyExplanation/PersonsOnBoard**

diagram	
type	restriction of **xs:integer**
facets	minInclusive 000 0 maxInclusive 999 9
annotation	documentation r of persons on board
source	<xs:element name="PersonsOnBoard"> <xs:annotation>

```
    <xs:documentation>Total number of persons on board</xs:documentation>
  </xs:annotation>
  <xs:simpleType>
    <xs:restriction base="xs:integer">
      <xs:minInclusive value="0000"/>
      <xs:maxInclusive value="9999"/>
    </xs:restriction>
  </xs:simpleType>
</xs:element>
```

element **ERINOT/SafetyExplanation/PassengersOnBoard**

diagram	
type	restriction of **xs:integer**
facets	minInclusive 000 0 maxInclusive 999 9
source	<xs:element name="PassengersOnBoard" minOccurs="0"> <xs:simpleType> <xs:restriction base="xs:integer"> <xs:minInclusive value="0000"/> <xs:maxInclusive value="9999"/> </xs:restriction> </xs:simpleType </xs:element>>

element **ERINOT/SafetyExplanation/Signalling**

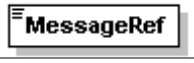
diagram	
type	restriction of **xs:string**
facets	length 1 enumeration 0 enumeration 1 enumeration 2 enumeration 3 enumeration B enumeration V
source	<xs:element name="Signalling" minOccurs="0"> <xs:simpleType> <xs:restriction base="xs:string"> <xs:length value="1"/> <xs:enumeration value="0"/> <xs:enumeration value="1"/> <xs:enumeration value="2"/> <xs:enumeration value="3"/> <xs:enumeration value="B"/> <xs:enumeration value="V"/> </xs:restriction> </xs:simpleType> </xs:element>

element **ERINOT/PrivacyStatement**

diagram	
type	restriction of **xs:string**
facets	length 1 enumeration Y

	enumeration N
source	<xs:element name="PrivacyStatement" minOccurs="0"> <xs:simpleType> <xs:restriction base="xs:string"> <xs:length value="1"/> <xs:enumeration value="Y"/> <xs:enumeration value="N"/> </xs:restriction> </xs:simpleType> </xs:element>

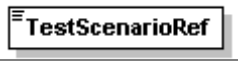
element **ERINOT/MessageRef**

diagram	
type	restriction of **xs:string**
facets	maxLength 23
source	<xs:element name="MessageRef" minOccurs="0"> <xs:simpleType> <xs:restriction base="xs:string"> <xs:maxLength value="23"/> </xs:restriction> </xs:simpleType> </xs:element>

element **ERINOT/TransportDocRef**

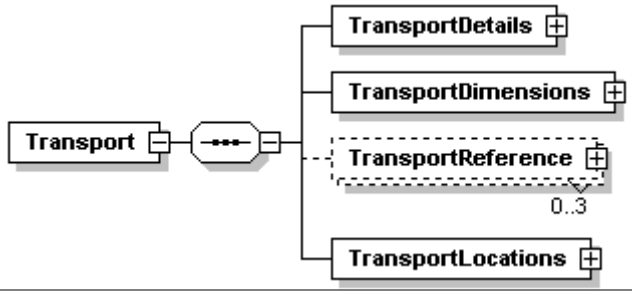
diagram	
type	restriction of **xs:string**
facets	maxLength 35
source	<xs:element name="TransportDocRef" minOccurs="0"> <xs:simpleType> <xs:restriction base="xs:string"> <xs:maxLength value="35"/> </xs:restriction> </xs:simpleType> </xs:element>

element **ERINOT/TestScenarioRef**

diagram	
type	restriction of **xs:string**
facets	maxLength 35
source	<xs:element name="TestScenarioRef" minOccurs="0"> <xs:simpleType> <xs:restriction base="xs:string"> <xs:maxLength value="35"/> </xs:restriction> </xs:simpleType> </xs:element>

element **ERINOT/Transport**

diagram



children **TransportDetails** **TransportDimensions** **TransportReference** **TransportLocations**

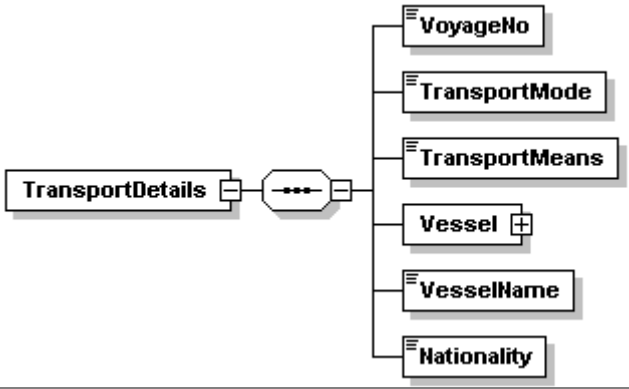
source

```
<xs:element name="Transport">
 <xs:complexType>
  <xs:sequence>
   <xs:element name="TransportDetails">
    <xs:complexType>
     <xs:sequence>
      <xs:element name="VoyageNo">
       <xs:simpleType>
        <xs:restriction base="xs:string">
         <xs:maxLength value="17"/>
        </xs:restriction>
       </xs:simpleType>
      </xs:element>
      <xs:element name="TransportMode">
       <xs:simpleType>
        <xs:restriction base="xs:string">
         <xs:length value="1"/>
         <xs:enumeration value="1"/>
         <xs:enumeration value="8"/>
        </xs:restriction>
       </xs:simpleType>
      </xs:element>
      <xs:element name="TransportMeans">
       <xs:simpleType>
        <xs:restriction base="xs:string">
         <xs:maxLength value="4"/>
        </xs:restriction>
       </xs:simpleType>
      </xs:element>
      <xs:element name="Vessel" type="VesselType"/>
      <xs:element name="VesselName">
       <xs:simpleType>
        <xs:restriction base="xs:string">
         <xs:maxLength value="35"/>
        </xs:restriction>
       </xs:simpleType>
      </xs:element>
      <xs:element name="Nationality">
       <xs:simpleType>
        <xs:restriction base="xs:string">
         <xs:minLength value="2"/>
         <xs:maxLength value="3"/>
        </xs:restriction>
       </xs:simpleType>
      </xs:element>
     </xs:sequence>
     <xs:attribute name="StageQualifier" type="xs:string" use="required" fixed="20"/>
    </xs:complexType>
   </xs:element>
   <xs:element name="TransportDimensions" type="TransportDimensionsType"/>
   <xs:element name="TransportReference" minOccurs="0" maxOccurs="3">
    <xs:complexType>
     <xs:sequence>
      <xs:element name="RefQualifier">
       <xs:simpleType>
        <xs:restriction base="xs:string">
         <xs:length value="3"/>
```

```
            <xs:enumeration value="GNB"/>
            <xs:enumeration value="GNF"/>
            <xs:enumeration value="GNG"/>
            <xs:enumeration value=""/>
           </xs:restriction>
          </xs:simpleType>
         </xs:element>
         <xs:element name="RefNo">
          <xs:simpleType>
           <xs:restriction base="xs:string">
            <xs:maxLength value="35"/>
           </xs:restriction>
          </xs:simpleType>
         </xs:element>
        </xs:sequence>
       </xs:complexType>
      </xs:element>
      <xs:element name="TransportLocations">
       <xs:complexType>
        <xs:sequence>
         <xs:element name="PortOfDeparture" type="LocationType"/>
         <xs:element name="PassagePoint" type="LocationType" minOccurs="0"/>
         <xs:element name="NextPortOfCall" type="LocationType" minOccurs="0"/>
         <xs:element name="RoutePoints" minOccurs="0" maxOccurs="5">
          <xs:complexType>
           <xs:sequence>
            <xs:element name="RoutePoint" type="LocationType"/>
            <xs:element name="RoutePointPassageTime" type="xs:dateTime" minOccurs="0"/>
           </xs:sequence>
          </xs:complexType>
         </xs:element>
         <xs:element name="PortOfDestination" type="LocationType"/>
         <xs:element name="ETD" type="xs:dateTime" minOccurs="0"/>
         <xs:element name="PassageTime" type="xs:dateTime" minOccurs="0"/>
         <xs:element name="ETA" type="xs:dateTime" minOccurs="0"/>
        </xs:sequence>
       </xs:complexType>
      </xs:element>
     </xs:sequence>
    </xs:complexType>
   </xs:element>
```

element **ERINOT/Transport/TransportDetails**

diagram



children **VoyageNo TransportMode TransportMeans Vessel VesselName Nationality**

attributes

Name	Type	Use	Default	Fixed	Annotation
StageQualifier	xs:string	required		20	

source

```
<xs:element name="TransportDetails">
 <xs:complexType>
  <xs:sequence>
   <xs:element name="VoyageNo">
    <xs:simpleType>
     <xs:restriction base="xs:string">
      <xs:maxLength value="17"/>
     </xs:restriction>
    </xs:simpleType>
```

```
      </xs:element>
      <xs:element name="TransportMode">
        <xs:simpleType>
          <xs:restriction base="xs:string">
            <xs:length value="1"/>
            <xs:enumeration value="1"/>
            <xs:enumeration value="8"/>
          </xs:restriction>
        </xs:simpleType>
      </xs:element>
      <xs:element name="TransportMeans">
        <xs:simpleType>
          <xs:restriction base="xs:string">
            <xs:maxLength value="4"/>
          </xs:restriction>
        </xs:simpleType>
      </xs:element>
      <xs:element name="Vessel" type="VesselType"/>
      <xs:element name="VesselName">
        <xs:simpleType>
          <xs:restriction base="xs:string">
            <xs:maxLength value="35"/>
          </xs:restriction>
        </xs:simpleType>
      </xs:element>
      <xs:element name="Nationality">
        <xs:simpleType>
          <xs:restriction base="xs:string">
            <xs:minLength value="2"/>
            <xs:maxLength value="3"/>
          </xs:restriction>
        </xs:simpleType>
      </xs:element>
    </xs:sequence>
    <xs:attribute name="StageQualifier" type="xs:string" use="required" fixed="20"/>
  </xs:complexType>
</xs:element>
```

element **ERINOT/Transport/TransportDetails/VoyageNo**

diagram	VoyageNo
type	restriction of **xs:string**
facets	maxLength 17
source	<xs:element name="VoyageNo"> <xs:simpleType> <xs:restriction base="xs:string"> <xs:maxLength value="17"/> </xs:restriction> </xs:simpleType> </xs:element>

element **ERINOT/Transport/TransportDetails/TransportMode**

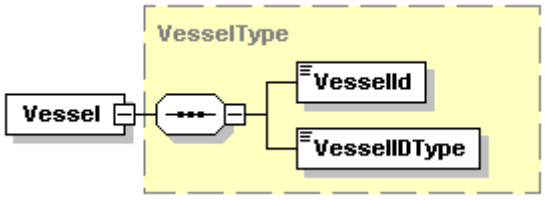
diagram	TransportMode
type	restriction of **xs:string**
facets	length 1 enumeration 1 enumeration 8
source	<xs:element name="TransportMode"> <xs:simpleType> <xs:restriction base="xs:string"> <xs:length value="1"/> <xs:enumeration value="1"/> <xs:enumeration value="8"/> </xs:restriction> </xs:simpleType>

	</xs:element>

element **ERINOT/Transport/TransportDetails/TransportMeans**

diagram	
type	restriction of **xs:string**
facets	maxLength 4
source	<xs:element name="TransportMeans"> <xs:simpleType> <xs:restriction base="xs:string"> <xs:maxLength value="4"/> </xs:restriction> </xs:simpleType> </xs:element>

element **ERINOT/Transport/TransportDetails/Vessel**

diagram	
type	**VesselType**
children	**VesselId** **VesselIDType**
source	<xs:element name="Vessel" type="VesselType"/>

element **ERINOT/Transport/TransportDetails/VesselName**

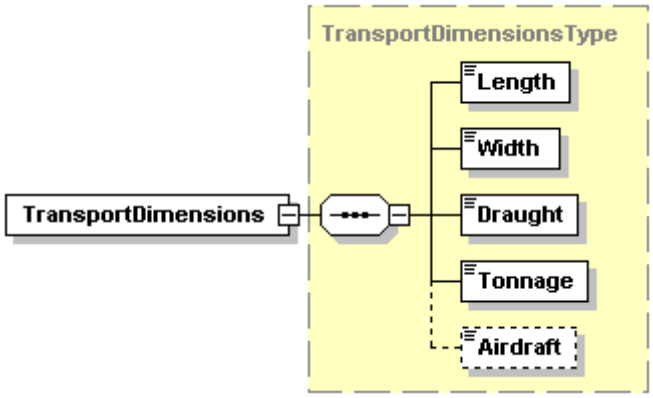
diagram	
type	restriction of **xs:string**
facets	maxLength 35
source	<xs:element name="VesselName"> <xs:simpleType> <xs:restriction base="xs:string"> <xs:maxLength value="35"/> </xs:restriction> </xs:simpleType> </xs:element>

element **ERINOT/Transport/TransportDetails/Nationality**

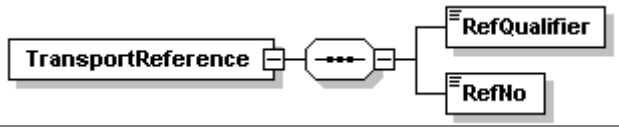
diagram	
type	restriction of **xs:string**
facets	minLength 2 maxLength 3
source	<xs:element name="Nationality"> <xs:simpleType> <xs:restriction base="xs:string"> <xs:minLength value="2"/> <xs:maxLength value="3"/>

```
    </xs:restriction>
  </xs:simpleType>
</xs:element>
```

element **ERINOT/Transport/TransportDimensions**

diagram	
type	**TransportDimensionsType**
children	**Length Width Draught Tonnage Airdraft**
source	<xs:element name="TransportDimensions" type="TransportDimensionsType"/>

element **ERINOT/Transport/TransportReference**

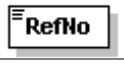
diagram	
children	**RefQualifier RefNo**
source	<xs:element name="TransportReference" minOccurs="0" maxOccurs="3"> <xs:complexType> <xs:sequence> <xs:element name="RefQualifier"> <xs:simpleType> <xs:restriction base="xs:string"> <xs:length value="3"/> <xs:enumeration value="GNB"/> <xs:enumeration value="GNF"/> <xs:enumeration value="GNG"/> <xs:enumeration value=""/> </xs:restriction> </xs:simpleType> </xs:element> <xs:element name="RefNo"> <xs:simpleType> <xs:restriction base="xs:string"> <xs:maxLength value="35"/> </xs:restriction> </xs:simpleType> </xs:element> </xs:sequence> </xs:complexType> </xs:element>

element **ERINOT/Transport/TransportReference/RefQualifier**

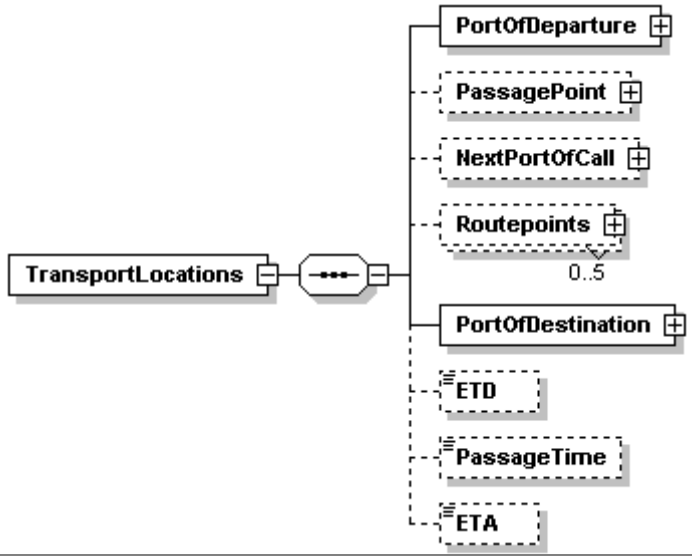
diagram	
type	restriction of **xs:string**
facets	length 3

	enumeration GNB enumeration GNF enumeration GNG enumeration
source	<xs:element name="RefQualifier"> <xs:simpleType> <xs:restriction base="xs:string"> <xs:length value="3"/> <xs:enumeration value="GNB"/> <xs:enumeration value="GNF"/> <xs:enumeration value="GNG"/> <xs:enumeration value=""/> </xs:restriction> </xs:simpleType> </xs:element>

element **ERINOT/Transport/TransportReference/RefNo**

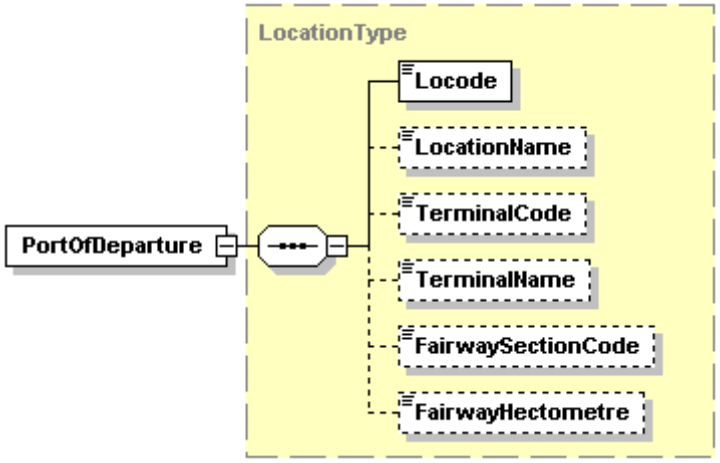
diagram	
type	restriction of **xs:string**
facets	maxLength 35
source	<<xs:element name="RefNo"> <xs:simpleType> <xs:restriction base="xs:string"> <xs:maxLength value="35"/> </xs:restriction> </xs:simpleType> </xs:element>

element **ERINOT/Transport/TransportLocations**

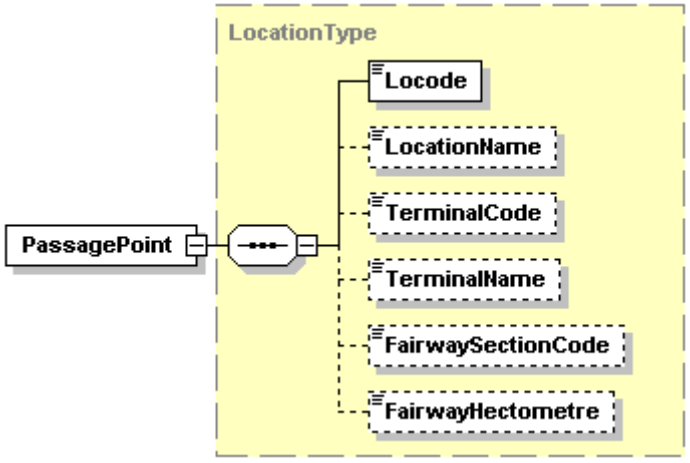
diagram	
children	PortOfDeparture PassagePoint NextPortOfCall Routepoints PortOfDestination ETD PassageTime ETA
source	<xs:element name="TransportLocations"> <xs:complexType> <xs:sequence> <xs:element name="PortOfDeparture" type="LocationType"/> <xs:element name="PassagePoint" type="LocationType" minOccurs="0"/> <xs:element name="NextPortOfCall" type="LocationType" minOccurs="0"/> <xs:element name="RoutePoints" minOccurs="0" maxOccurs="5"> <xs:complexType> <xs:sequence> <xs:element name="RoutePoint" type="LocationType"/> <xs:element name="RoutePointPassageTime" type="xs:dateTime" minOccurs="0"/> </xs:sequence>

```
      </xs:complexType>
    </xs:element>
    <xs:element name="PortOfDestination" type="LocationType"/>
    <xs:element name="ETD" type="xs:dateTime" minOccurs="0"/>
    <xs:element name="PassageTime" type="xs:dateTime" minOccurs="0"/>
    <xs:element name="ETA" type="xs:dateTime" minOccurs="0"/>
  </xs:sequence>
 </xs:complexType>
</xs:element>
```

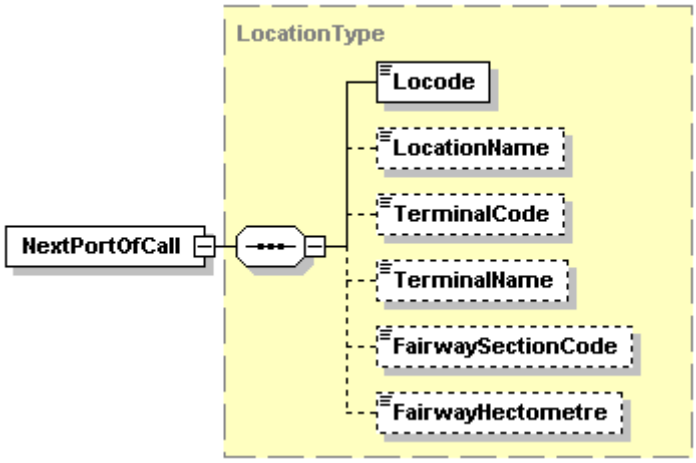
element **ERINOT/Transport/TransportLocations/PortOfDeparture**

diagram	
type	**LocationType**
children	**Locode LocationName TerminalCode TerminalName FairwaySectionCode FairwayHectometre**
source	<xs:element name="PortOfDeparture" type="LocationType"/>

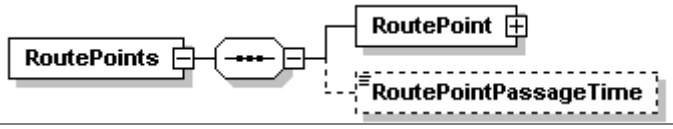
element **ERINOT/Transport/TransportLocations/PassagePoint**

diagram	
type	**LocationType**
children	**Locode LocationName TerminalCode TerminalName FairwaySectionCode FairwayHectometre**
source	<xs:element name="PassagePoint" type="LocationType" minOccurs="0"/>

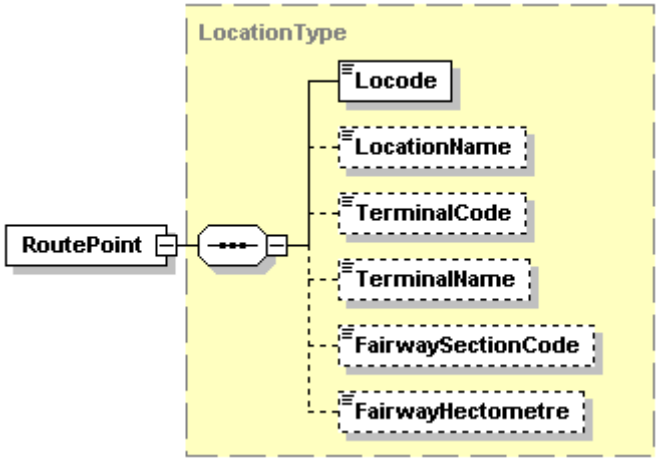
element **ERINOT/Transport/TransportLocations/NextPortOfCall**

diagram	
type	**LocationType**
children	**Locode** **LocationName** **TerminalCode** **TerminalName** **FairwaySectionCode** **FairwayHectometre**
source	<xs:element name="NextPortOfCall" type="LocationType" minOccurs="0"/>

element **ERINOT/Transport/TransportLocations/Routepoints**

diagram	
children	**RoutePoint** **RoutePointPassageTime**
source	<xs:element name="RoutePoints" minOccurs="0" maxOccurs="5"> <xs:complexType> <xs:sequence> <xs:element name="RoutePoint" type="LocationType"/> <xs:element name="RoutePointPassageTime" type="xs:dateTime" minOccurs="0"/> </xs:sequence> </xs:complexType> </xs:element>

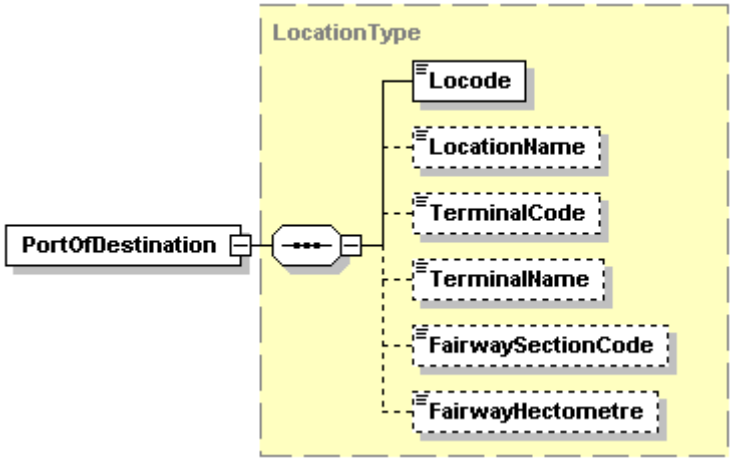
element **ERINOT/Transport/TransportLocations/RoutePoints/RoutePoint**

diagram	
type	**LocationType**
children	**Locode** **LocationName** **TerminalCode** **TerminalName** **FairwaySectionCode** **FairwayHectometre**
source	<xs:element name="RoutePoint" type="LocationType"/>

element **ERINOT/Transport/TransportLocations/RoutePoints/RoutePointPassageTime**

diagram	
type	**xs:dateTime**
source	<xs:element name="RoutePointPassageTime" type="xs:dateTime" minOccurs="0"/>

element **ERINOT/Transport/TransportLocations/PortOfDestination**

diagram	
type	**LocationType**
children	**Locode LocationName TerminalCode TerminalName FairwaySectionCode FairwayHectometre**
source	<xs:element name="PortOfDestination" type="LocationType"/>

element **ERINOT/Transport/TransportLocations/ETD**

diagram	
type	**xs:dateTime**
source	<xs:element name="ETD" type="xs:dateTime" minOccurs="0"/>

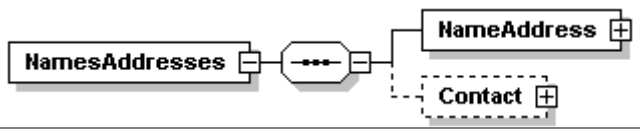
element **ERINOT/Transport/TransportLocations/PassageTime**

diagram	
type	**xs:dateTime**
source	<xs:element name="PassageTime" type="xs:dateTime" minOccurs="0"/>

element **ERINOT/Transport/TransportLocations/ETA**

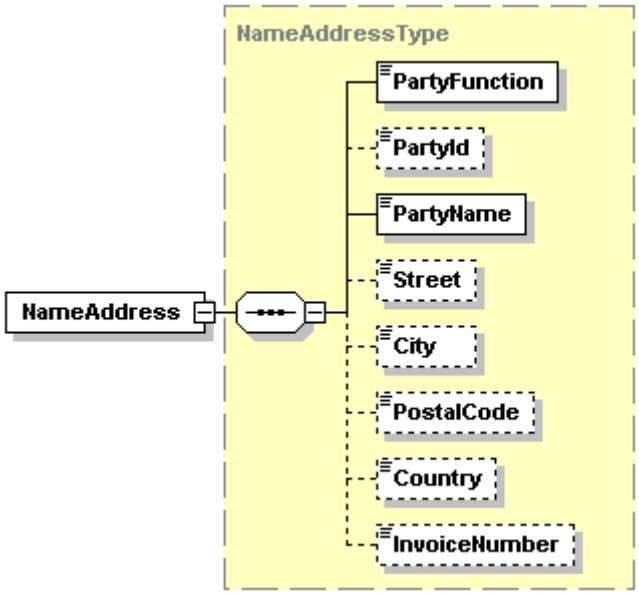
diagram	
type	**xs:dateTime**
source	<xs:element name="ETA" type="xs:dateTime" minOccurs="0"/>

element **ERINOT/MessageSenderAddress**

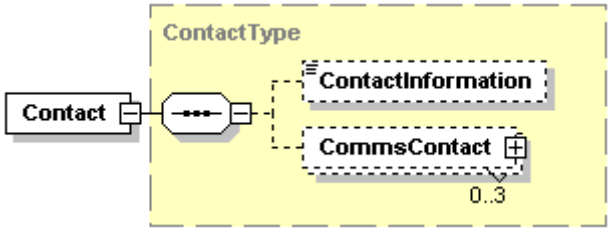
diagram	

children	NameAddress Contact
source	<xs:element name="MessageSenderAddress"> <xs:complexType> <xs:sequence> <xs:element name="NameAddress" type="NameAddressType"/> <xs:element name="Contact" type="ContactType" minOccurs="0"/> </xs:sequence> </xs:complexType> </xs:element>

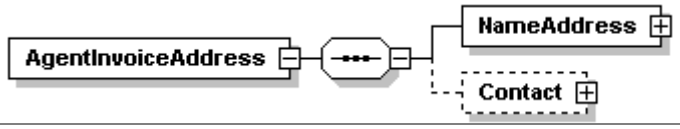
element **ERINOT/MessageSenderAddress/NameAddress**

diagram	
type	NameAddressType
children	PartyFunction PartyId PartyName Street City PostalCode Country InvoiceNumber
source	<xs:element name="NameAddress" type="NameAddressType"/>

element **ERINOT/MessageSenderAddress/Contact**

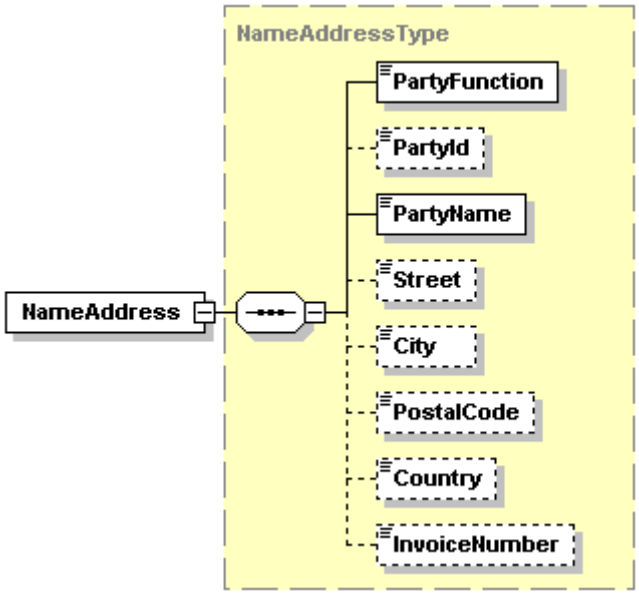
diagram	
type	ContactType
children	ContactInformation CommsContact
source	<xs:element name="Contact" type="ContactType" minOccurs="0"/>

element **ERINOT/AgentInvoiceAddress**

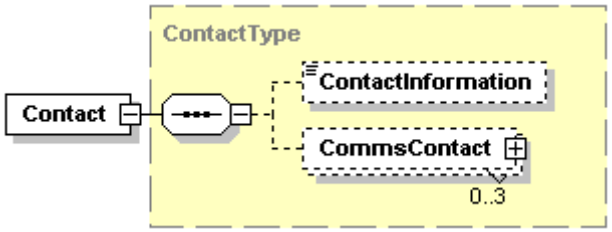
diagram	
children	NameAddress Contact
source	<xs:element name="AgentInvoiceAddress" minOccurs="0"> <xs:complexType>

```
    <xs:sequence>
      <xs:element name="NameAddress" type="NameAddressType"/>
      <xs:element name="Contact" type="ContactType" minOccurs="0"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

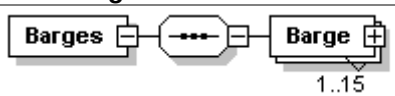
element **ERINOT/AgentInvoiceAddress/NameAddress**

diagram	
type	NameAddressType
children	PartyFunction PartyId PartyName Street City PostalCode Country InvoiceNumber
source	<xs:element name="NameAddress" type="NameAddressType"/>

element **ERINOT/AgentInvoiceAddress/Contact**

diagram	
type	ContactType
children	ContactInformation CommsContact
source	<xs:element name="Contact" type="ContactType" minOccurs="0"/>

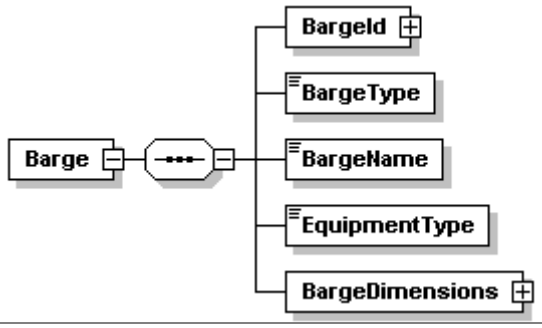
element **ERINOT/Barges**

diagram	
children	Barge
source	<xs:element name="Barges"> <xs:complexType> <xs:sequence> <xs:element name="Barge" maxOccurs="15"> <xs:complexType> <xs:sequence> <xs:element name="BargeId" type="VesselType"/> <xs:element name="BargeType">

```
            <xs:simpleType>
              <xs:restriction base="xs:string">
                <xs:maxLength value="4"/>
              </xs:restriction>
            </xs:simpleType>
          </xs:element>
          <xs:element name="BargeName">
            <xs:simpleType>
              <xs:restriction base="xs:string">
                <xs:maxLength value="35"/>
              </xs:restriction>
            </xs:simpleType>
          </xs:element>
          <xs:element name="EquipmentType">
            <xs:simpleType>
              <xs:restriction base="xs:string">
                <xs:maxLength value="3"/>
                <xs:enumeration value="BRY"/>
                <xs:enumeration value="BRN"/>
              </xs:restriction>
            </xs:simpleType>
          </xs:element>
          <xs:element name="BargeDimensions" type="TransportDimensionsType"/>
        </xs:sequence>
      </xs:complexType>
    </xs:element>
  </xs:sequence>
 </xs:complexType>
</xs:element>
```

element **ERINOT/Barges/Barge**

diagram



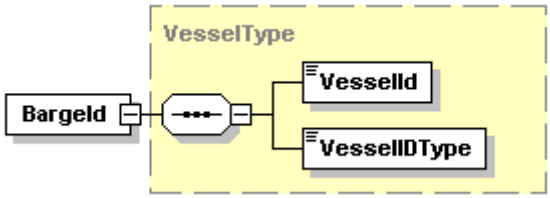
children **BargeId BargeType BargeName EquipmentType BargeDimensions**

source

```
<xs:element name="Barge" maxOccurs="15">
 <xs:complexType>
  <xs:sequence>
   <xs:element name="BargeId" type="VesselType"/>
   <xs:element name="BargeType">
    <xs:simpleType>
     <xs:restriction base="xs:string">
      <xs:maxLength value="4"/>
     </xs:restriction>
    </xs:simpleType>
   </xs:element>
   <xs:element name="BargeName">
    <xs:simpleType>
     <xs:restriction base="xs:string">
      <xs:maxLength value="35"/>
     </xs:restriction>
    </xs:simpleType>
   </xs:element>
   <xs:element name="EquipmentType">
    <xs:simpleType>
     <xs:restriction base="xs:string">
      <xs:maxLength value="3"/>
      <xs:enumeration value="BRY"/>
      <xs:enumeration value="BRN"/>
     </xs:restriction>
    </xs:simpleType>
```

```
    </xs:element>
    <xs:element name="BargeDimensions" type="TransportDimensionsType"/>
   </xs:sequence>
  </xs:complexType>
</xs:element>
```

element **ERINOT/Barges/Barge/BargeId**

diagram	
type	**VesselType**
children	**VesselId** **VesselIDType**
source	`<xs:element name="BargeId" type="VesselType"/>`

element **ERINOT/Barges/Barge/BargeType**

diagram	
type	restriction of **xs:string**
facets	maxLength 4

source	`<xs:element name="BargeType">`
	`  <xs:simpleType>`
	`  <xs:restriction base="xs:string">`
	`  <xs:maxLength value="4"/>`
	`  </xs:restriction>`
	`  </xs:simpleType>`
	`</xs:element>`

element **ERINOT/Barges/Barge/BargeName**

diagram	
type	restriction of **xs:string**
facets	maxLength 35

source	`<xs:element name="BargeName">`
	`  <xs:simpleType>`
	`  <xs:restriction base="xs:string">`
	`  <xs:maxLength value="35"/>`
	`  </xs:restriction>`
	`  </xs:simpleType>`
	`</xs:element>`

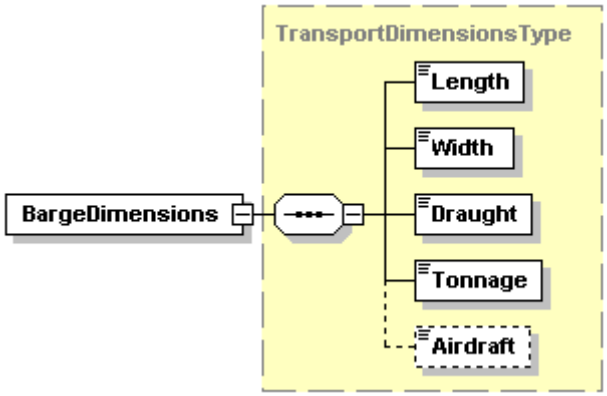
element **ERINOT/Barges/Barge/EquipmentType**

diagram	
type	restriction of **xs:string**
facets	maxLength 3 enumeration BRY enumeration BRN

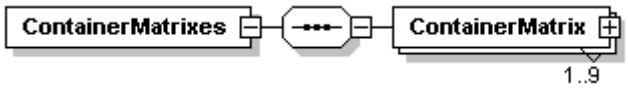
source	`<xs:element name="EquipmentType">`
	`  <xs:simpleType>`
	`  <xs:restriction base="xs:string">`
	`  <xs:maxLength value="3"/>`
	`  <xs:enumeration value="BRY"/>`
	`  <xs:enumeration value="BRN"/>`
	`  </xs:restriction>`

	</xs:simpleType> </xs:element>

element **ERINOT/Barges/BargeDimensions**

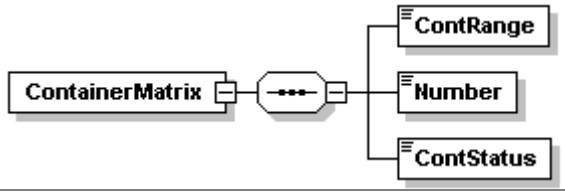
diagram	
type	**TransportDimensionsType**
children	**Length Width Draught Tonnage Airdraft**
source	<xs:element name="BargeDimensions" type="TransportDimensionsType"/>

element **ERINOT/ContainerMatrixes**

diagram	
children	**ContainerMatrix**
source	<xs:element name="ContainerMatrixes" minOccurs="0"> <xs:complexType> <xs:sequence> <xs:element name="ContainerMatrix" maxOccurs="9"> <xs:complexType> <xs:sequence> <xs:element name="ContRange"> <xs:simpleType> <xs:restriction base="xs:string"> <xs:maxLength value="5"/> <xs:enumeration value="RNG20"/> <xs:enumeration value="RNG30"/> <xs:enumeration value="RNG40"/> </xs:restriction> </xs:simpleType> </xs:element> <xs:element name="Number"> <xs:simpleType> <xs:restriction base="xs:integer"> <xs:maxInclusive value="9999"/> <xs:minInclusive value="0"/> </xs:restriction> </xs:simpleType> </xs:element> <xs:element name="ContStatus"> <xs:simpleType> <xs:restriction base="xs:string"> <xs:length value="1"/> <xs:enumeration value="4"/> <xs:enumeration value="5"/> <xs:enumeration value="6"/> </xs:restriction> </xs:simpleType> </xs:element> </xs:sequence> </xs:complexType> </xs:element> </xs:sequence> </xs:complexType>

	</xs:element>

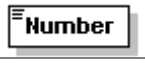
element **ERINOT/ContainerMatrixes/ContainerMatrix**

diagram	
children	**ContRange Number ContStatus**
source	<xs:element name="ContainerMatrix" maxOccurs="9"> <xs:complexType> <xs:sequence> <xs:element name="ContRange"> <xs:simpleType> <xs:restriction base="xs:string"> <xs:maxLength value="5"/> <xs:enumeration value="RNG20"/> <xs:enumeration value="RNG30"/> <xs:enumeration value="RNG40"/> </xs:restriction> </xs:simpleType> </xs:element> <xs:element name="Number"> <xs:simpleType> <xs:restriction base="xs:integer"> <xs:maxInclusive value="9999"/> <xs:minInclusive value="0"/> </xs:restriction> </xs:simpleType> </xs:element> <xs:element name="ContStatus"> <xs:simpleType> <xs:restriction base="xs:string"> <xs:length value="1"/> <xs:enumeration value="4"/> <xs:enumeration value="5"/> <xs:enumeration value="6"/> </xs:restriction> </xs:simpleType> </xs:element> </xs:sequence> </xs:complexType> </xs:element>

element **ERINOT/ContainerMatrixes/ContainerMatrix/ContRange**

diagram	
type	restriction of **xs:string**
facets	maxLength 5 enumeration RNG20 enumeration RNG30 enumeration RNG40
source	<xs:element name="ContRange"> <xs:simpleType> <xs:restriction base="xs:string"> <xs:maxLength value="5"/> <xs:enumeration value="RNG20"/> <xs:enumeration value="RNG30"/> <xs:enumeration value="RNG40"/> </xs:restriction> </xs:simpleType> </xs:element>

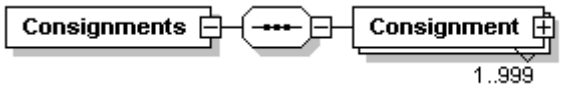
element **ERINOT/ContainerMatrixes/Number**

diagram	
type	restriction of **xs:integer**
facets	minInclusive 0 maxInclusive 9999
source	<xs:element name="Number"> <xs:simpleType> <xs:restriction base="xs:integer"> <xs:maxInclusive value="9999"/> <xs:minInclusive value="0"/> </xs:restriction> </xs:simpleType> </xs:element>

element **ERINOT/ContainerMatrixes/ContainerMatrix/ContStatus**

diagram	
type	restriction of **xs:string**
facets	length 1 enumeration 4 enumeration 5 enumeration 6
source	<xs:element name="ContStatus"> <xs:simpleType> <xs:restriction base="xs:string"> <xs:length value="1"/> <xs:enumeration value="4"/> <xs:enumeration value="5"/> <xs:enumeration value="6"/> </xs:restriction> </xs:simpleType> </xs:element>

element **ERINOT/Consignments**

diagram	
children	**Consignment**
source	<xs:element name="Consignments" minOccurs="0"> <xs:complexType> <xs:sequence> <xs:element name="Consignment" maxOccurs="999"> <xs:complexType> <xs:sequence> <xs:element name="SequenceNo"> <xs:simpleType> <xs:restriction base="xs:integer"> <xs:minInclusive value="1"/> <xs:maxInclusive value="9999"/> </xs:restriction> </xs:simpleType> </xs:element> <xs:element name="DepartureTime" type="xs:dateTime" minOccurs="0"/> <xs:element name="PortOfLoading" type="LocationType" minOccurs="0"/> <xs:element name="PortOfDischarge" type="LocationType" minOccurs="0"/> <xs:element name="CargoReceiver" type="NameAddressType" minOccurs="0"/>

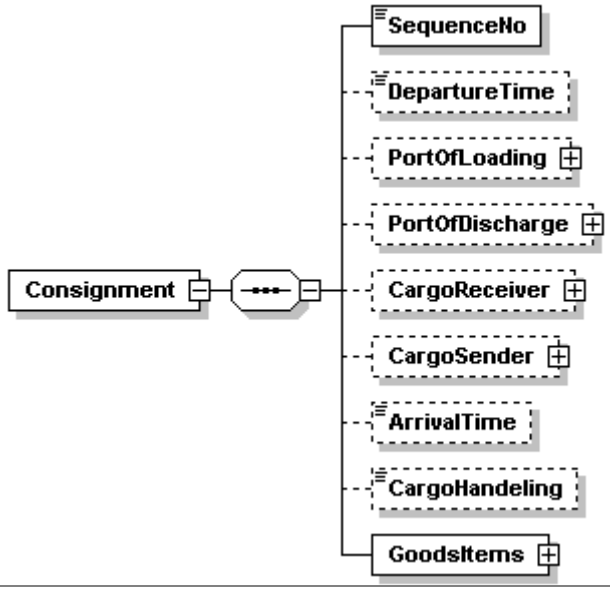
```
<xs:element name="CargoSender" type="NameAddressType" minOccurs="0"/>
<xs:element name="ArrivalTime" type="xs:dateTime" minOccurs="0"/>
<xs:element name="CargoHandeling" type="HandlingType" minOccurs="0"/>
<xs:element name="GoodsItems">
 <xs:complexType>
  <xs:sequence>
   <xs:element name="GoodsItem" maxOccurs="99">
    <xs:complexType>
     <xs:sequence>
      <xs:element name="GoodsItemNo">
       <xs:simpleType>
        <xs:restriction base="xs:integer">
         <xs:maxInclusive value="99999"/>
        </xs:restriction>
       </xs:simpleType>
      </xs:element>
      <xs:element name="NumberOfPackages" minOccurs="0">
       <xs:simpleType>
        <xs:restriction base="xs:integer">
         <xs:maxInclusive value="99999999"/>
        </xs:restriction>
       </xs:simpleType>
      </xs:element>
      <xs:element name="AdditionalInfo" minOccurs="0">
       <xs:complexType>
        <xs:sequence>
         <xs:element name="TypeOfGood">
          <xs:simpleType>
           <xs:restriction base="xs:string">
            <xs:length value="1"/>
            <xs:enumeration value="D"/>
            <xs:enumeration value="N"/>
           </xs:restriction>
          </xs:simpleType>
         </xs:element>
         <xs:element name="HSCode" type="HSCodeType" minOccurs="0"/>
         <xs:element name="CustomsStatus" minOccurs="0">
          <xs:simpleType>
           <xs:restriction base="xs:string">
            <xs:length value="1"/>
            <xs:enumeration value="T"/>
            <xs:enumeration value="C"/>
            <xs:enumeration value="F"/>
            <xs:enumeration value="X"/>
           </xs:restriction>
          </xs:simpleType>
         </xs:element>
         <xs:element name="CustomsRefNo" minOccurs="0">
          <xs:simpleType>
           <xs:restriction base="xs:string">
            <xs:maxLength value="35"/>
           </xs:restriction>
          </xs:simpleType>
         </xs:element>
         <xs:element name="Overseas">
          <xs:simpleType>
           <xs:restriction base="xs:string">
            <xs:length value="1"/>
            <xs:enumeration value="Y"/>
            <xs:enumeration value="N"/>
           </xs:restriction>
          </xs:simpleType>
         </xs:element>
        </xs:sequence>
       </xs:complexType>
      </xs:element>
      <xs:element name="GoodsDescription" minOccurs="0">
       <xs:complexType>
        <xs:sequence>
         <xs:element name="GoodsName">
          <xs:simpleType>
           <xs:restriction base="xs:string">
            <xs:maxLength value="70"/>
           </xs:restriction>
          </xs:simpleType>
```

```
            </xs:element>
            <xs:element name="NSTRCode" minOccurs="0">
              <xs:simpleType>
                <xs:restriction base="xs:string">
                  <xs:length value="6"/>
                </xs:restriction>
              </xs:simpleType>
            </xs:element>
            <xs:element name="HSCode" type="HSCodeType" minOccurs="0"/>
            <xs:element name="GoodsFreeRemark" minOccurs="0">
              <xs:simpleType>
                <xs:restriction base="xs:string">
                  <xs:maxLength value="70"/>
                </xs:restriction>
              </xs:simpleType>
            </xs:element>
          </xs:sequence>
        </xs:complexType>
      </xs:element>
      <xs:element name="DangerousGoodsInfo" minOccurs="0">
        <xs:complexType>
          <xs:sequence>
            <xs:element name="DangerousGoods">
              <xs:complexType>
                <xs:sequence>
                  <xs:element name="Regulation">
                    <xs:simpleType>
                      <xs:restriction base="xs:string">
                        <xs:length value="3"/>
                        <xs:enumeration value="ANR"/>
                        <xs:enumeration value="IMD"/>
                      </xs:restriction>
                    </xs:simpleType>
                  </xs:element>
                  <xs:element name="Classification">
                    <xs:simpleType>
                      <xs:restriction base="xs:string">
                        <xs:maxLength value="7"/>
                      </xs:restriction>
                    </xs:simpleType>
                  </xs:element>
                  <xs:element name="AdditionalClassification" minOccurs="0"/>
                  <xs:element name="UNNumber">
                    <xs:simpleType>
                      <xs:restriction base="xs:string">
                        <xs:length value="4"/>
                      </xs:restriction>
                    </xs:simpleType>
                  </xs:element>
                  <xs:element name="Flashpoint" type="xs:float" minOccurs="0"/>
                  <xs:element name="FlashpointUnit" minOccurs="0">
                    <xs:simpleType>
                      <xs:restriction base="xs:string">
                        <xs:length value="3"/>
                        <xs:enumeration value="CEL"/>
                        <xs:enumeration value="FAH"/>
                      </xs:restriction>
                    </xs:simpleType>
                  </xs:element>
                  <xs:element name="PackingGroup" minOccurs="0">
                    <xs:simpleType>
                      <xs:restriction base="xs:string">
                        <xs:length value="1"/>
                      </xs:restriction>
                    </xs:simpleType>
                  </xs:element>
                  <xs:element name="EMSNumber" minOccurs="0">
                    <xs:simpleType>
                      <xs:restriction base="xs:string">
                        <xs:maxLength value="6"/>
                      </xs:restriction>
                    </xs:simpleType>
                  </xs:element>
                  <xs:element name="MFAGNumber" minOccurs="0">
                    <xs:simpleType>
```

```
                                <xs:restriction base="xs:string">
                                  <xs:maxLength value="4"/>
                                </xs:restriction>
                              </xs:simpleType>
                            </xs:element>
                            <xs:element name="HazardPlacard" minOccurs="0">
                              <xs:complexType>
                                <xs:sequence>
                                  <xs:element name="HazardPlacardUpper" minOccurs="0">
                                    <xs:simpleType>
                                      <xs:restriction base="xs:string">
                                        <xs:maxLength value="4"/>
                                      </xs:restriction>
                                    </xs:simpleType>
                                  </xs:element>
                                  <xs:element name="HazardPlacardLower" minOccurs="0">
                                    <xs:simpleType>
                                      <xs:restriction base="xs:string">
                                        <xs:maxLength value="4"/>
                                      </xs:restriction>
                                    </xs:simpleType>
                                  </xs:element>
                                </xs:sequence>
                              </xs:complexType>
                            </xs:element>
                          </xs:sequence>
                        </xs:complexType>
                      </xs:element>
                      <xs:element name="TechnicalName">
                        <xs:simpleType>
                          <xs:restriction base="xs:string">
                            <xs:maxLength value="70"/>
                          </xs:restriction>
                        </xs:simpleType>
                      </xs:element>
                      <xs:element name="NetWeight" type="xs:integer"/>
                      <xs:element name="Synonym" minOccurs="0">
                        <xs:simpleType>
                          <xs:restriction base="xs:string">
                            <xs:maxLength value="70"/>
                          </xs:restriction>
                        </xs:simpleType>
                      </xs:element>
                    </xs:sequence>
                  </xs:complexType>
                </xs:element>
                <xs:element name="GoodSplitGoodsPlacements" minOccurs="0" maxOccurs="99">
                  <xs:complexType>
                    <xs:sequence>
                      <xs:element name="SplitGoodsPlacement" type="SplitGoodsPlacementType"/>
                      <xs:element name="ContainerStowage" type="ContainerStowageType" minOccurs="0"
maxOccurs="99"/>
                    </xs:sequence>
                  </xs:complexType>
                </xs:element>
                <xs:element name="TypeOfPackages" minOccurs="0">
                  <xs:simpleType>
                    <xs:restriction base="xs:string">
                      <xs:length value="2"/>
                    </xs:restriction>
                  </xs:simpleType>
                </xs:element>
              </xs:sequence>
            </xs:complexType>
          </xs:element>
        </xs:sequence>
      </xs:complexType>
    </xs:element>
  </xs:sequence>
 </xs:complexType>
</xs:element>
```

element **ERINOT/Consignments/Consignment**

diagram



children

SequenceNo DepartureTime PortOfLoading PortOfDischarge CargoReceiver CargoSender ArrivalTime CargoHandeling GoodsItems

source

```
<xs:element name="Consignment" maxOccurs="999">
 <xs:complexType>
  <xs:sequence>
   <xs:element name="SequenceNo">
    <xs:simpleType>
     <xs:restriction base="xs:integer">
      <xs:minInclusive value="1"/>
      <xs:maxInclusive value="9999"/>
     </xs:restriction>
    </xs:simpleType>
   </xs:element>
   <xs:element name="DepartureTime" type="xs:dateTime" minOccurs="0"/>
   <xs:element name="PortOfLoading" type="LocationType" minOccurs="0"/>
   <xs:element name="PortOfDischarge" type="LocationType" minOccurs="0"/>
   <xs:element name="CargoReceiver" type="NameAddressType" minOccurs="0"/>
   <xs:element name="CargoSender" type="NameAddressType" minOccurs="0"/>
   <xs:element name="ArrivalTime" type="xs:dateTime" minOccurs="0"/>
   <xs:element name="CargoHandeling" type="HandlingType" minOccurs="0"/>
   <xs:element name="GoodsItems">
    <xs:complexType>
     <xs:sequence>
      <xs:element name="GoodsItem" maxOccurs="99">
       <xs:complexType>
        <xs:sequence>
         <xs:element name="GoodsItemNo">
          <xs:simpleType>
           <xs:restriction base="xs:integer">
            <xs:maxInclusive value="99999"/>
           </xs:restriction>
          </xs:simpleType>
         </xs:element>
         <xs:element name="NumberOfPackages" minOccurs="0">
          <xs:simpleType>
           <xs:restriction base="xs:integer">
            <xs:maxInclusive value="99999999"/>
           </xs:restriction>
          </xs:simpleType>
         </xs:element>
         <xs:element name="AdditionalInfo" minOccurs="0">
          <xs:complexType>
           <xs:sequence>
            <xs:element name="TypeOfGood">
             <xs:simpleType>
              <xs:restriction base="xs:string">
```

```
                    <xs:length value="1"/>
                    <xs:enumeration value="D"/>
                    <xs:enumeration value="N"/>
                  </xs:restriction>
                </xs:simpleType>
              </xs:element>
              <xs:element name="HSCode" type="HSCodeType" minOccurs="0"/>
              <xs:element name="CustomsStatus" minOccurs="0">
                <xs:simpleType>
                  <xs:restriction base="xs:string">
                    <xs:length value="1"/>
                    <xs:enumeration value="T"/>
                    <xs:enumeration value="C"/>
                    <xs:enumeration value="F"/>
                    <xs:enumeration value="X"/>
                  </xs:restriction>
                </xs:simpleType>
              </xs:element>
              <xs:element name="CustomsRefNo" minOccurs="0">
                <xs:simpleType>
                  <xs:restriction base="xs:string">
                    <xs:maxLength value="35"/>
                  </xs:restriction>
                </xs:simpleType>
              </xs:element>
              <xs:element name="Overseas">
                <xs:simpleType>
                  <xs:restriction base="xs:string">
                    <xs:length value="1"/>
                    <xs:enumeration value="Y"/>
                    <xs:enumeration value="N"/>
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              <xs:element name="DangerousGoods">
                <xs:complexType>
                  <xs:sequence>
                    <xs:element name="Regulation">
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                          <xs:length value="3"/>
```

```
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                    <xs:enumeration value="IMD"/>
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                    <xs:length value="3"/>
                    <xs:enumeration value="CEL"/>
                    <xs:enumeration value="FAH"/>
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                </xs:simpleType>
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```

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maxOccurs="99"/>
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            </xs:element>
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  </xs:complexType>
</xs:element>
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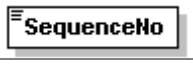
element **ERINOT/Consignments/Consignment/SequenceNo**

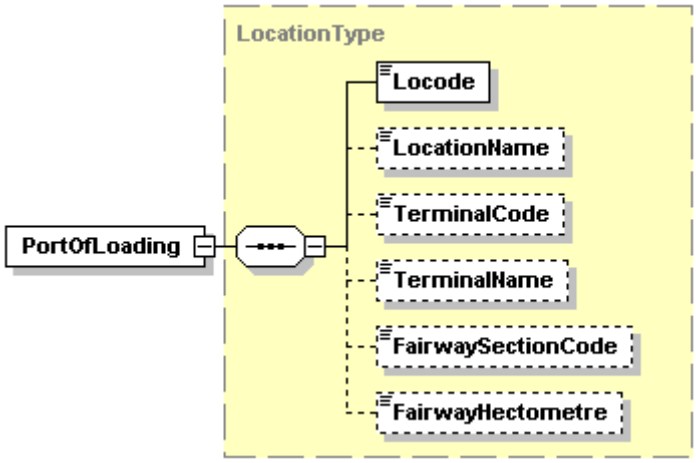
diagram	
type	restriction of **xs:integer**
facets	minInclusive 1 maxInclusive 9999

source	`<xs:element name="SequenceNo">`
	`  <xs:simpleType>`
	`  <xs:restriction base="xs:integer">`
	`  <xs:minInclusive value="1"/>`
	`  <xs:maxInclusive value="9999"/>`
	`  </xs:restriction>`
	`  </xs:simpleType>`
	`</xs:element>`

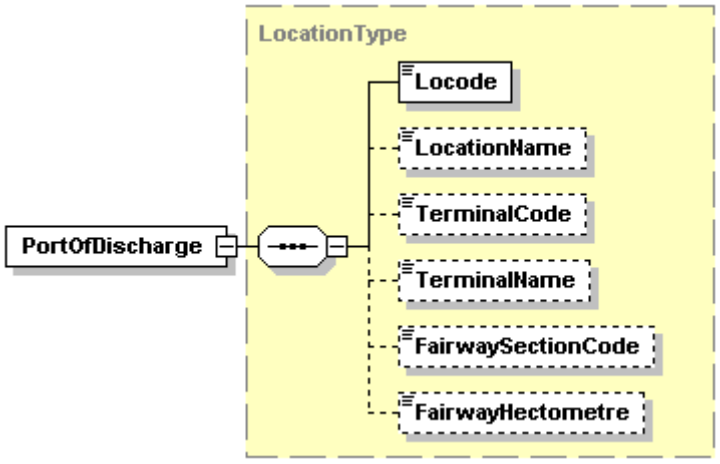
element **ERINOT/Consignments/DepartureTime**

diagram	
type	**xs:dateTime**
source	`<xs:element name="DepartureTime" type="xs:dateTime" minOccurs="0"/>`

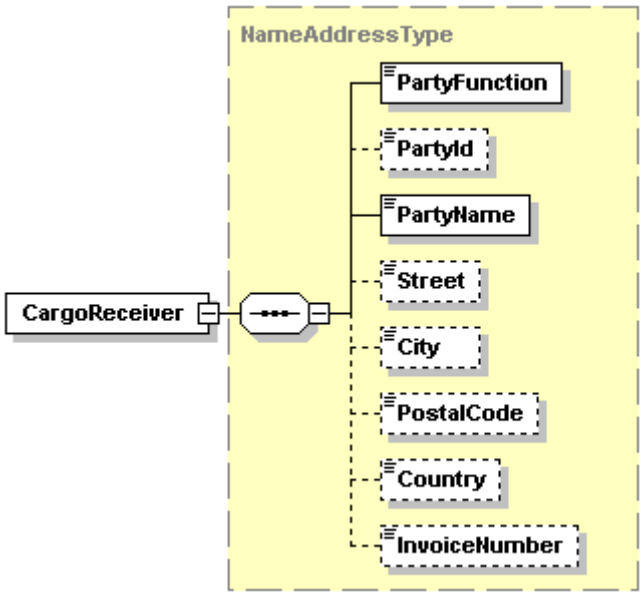
element **ERINOT/Consignments/PortOfLoading**

diagram	
type	**LocationType**
children	**Locode** **LocationName** **TerminalCode** **TerminalName** **FairwaySectionCode** **FairwayHectometre**
source	<xs:element name="PortOfLoading" type="LocationType" minOccurs="0"/>

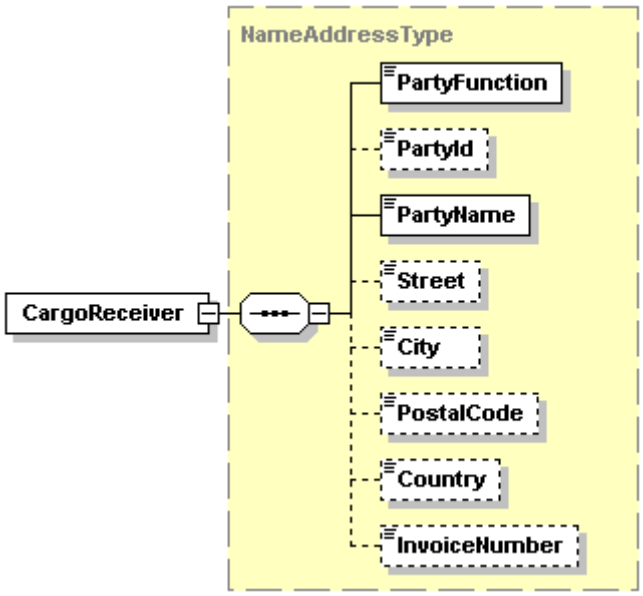
element **ERINOT/Consignments/PortOfDischarge**

diagram	
type	**LocationType**
children	**Locode** **LocationName** **TerminalCode** **TerminalName** **FairwaySectionCode** **FairwayHectometre**
source	<xs:element name="PortOfDischarge" type="LocationType" minOccurs="0"/>

element **ERINOT/Consignments/Consignment/CargoReceiver**

diagram	
type	**NameAddressType**
children	**PartyFunction PartyId PartyName Street City PostalCode Country InvoiceNumber**
source	<xs:element name="CargoReceiver" type="NameAddressType" minOccurs="0"/>

element **ERINOT/Consignments/Consignment/CargoSender**

diagram	
type	**NameAddressType**
children	**PartyFunction PartyId PartyName Street City PostalCode Country InvoiceNumber**
source	<xs:element name="CargoSender" type="NameAddressType" minOccurs="0"/>

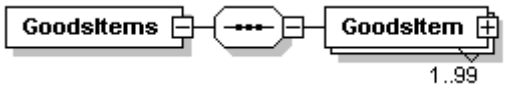
element **ERINOT/Consignments/ArrivalTime**

diagram	
type	**xs:dateTime**
source	<xs:element name="ArrivalTime" type="xs:dateTime" minOccurs="0"/>

element **ERINOT/Consignments/Consignment/CargoHandeling**

diagram	
type	**HandlingType**
facets	enumeration T enumeration LLO enumeration LDI enumeration TSP
source	<xs:element name="CargoHandeling" type="HandlingType" minOccurs="0"/>

element **ERINOT/Consignments/Consignment/GoodsItems**

diagram	
children	**GoodsItem**
source	<xs:element name="GoodsItems"> <xs:complexType> <xs:sequence> <xs:element name="GoodsItem" maxOccurs="99"> <xs:complexType> <xs:sequence> <xs:element name="GoodsItemNo"> <xs:simpleType> <xs:restriction base="xs:integer"> <xs:maxInclusive value="99999"/> </xs:restriction> </xs:simpleType> </xs:element> <xs:element name="NumberOfPackages" minOccurs="0"> <xs:simpleType> <xs:restriction base="xs:integer"> <xs:maxInclusive value="99999999"/> </xs:restriction> </xs:simpleType> </xs:element> <xs:element name="AdditionalInfo" minOccurs="0"> <xs:complexType> <xs:sequence> <xs:element name="TypeOfGood"> <xs:simpleType> <xs:restriction base="xs:string"> <xs:length value="1"/> <xs:enumeration value="D"/> <xs:enumeration value="N"/> </xs:restriction> </xs:simpleType> </xs:element> <xs:element name="HSCode" type="HSCodeType" minOccurs="0"/> <xs:element name="CustomsStatus" minOccurs="0"> <xs:simpleType> <xs:restriction base="xs:string"> <xs:length value="1"/> <xs:enumeration value="T"/> <xs:enumeration value="C"/> <xs:enumeration value="F"/> <xs:enumeration value="X"/> </xs:restriction> </xs:simpleType> </xs:element> <xs:element name="CustomsRefNo" minOccurs="0"> <xs:simpleType> <xs:restriction base="xs:string"> <xs:maxLength value="35"/> </xs:restriction> </xs:simpleType> </xs:element>

```
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                  <xs:enumeration value="N"/>
                </xs:restriction>
              </xs:simpleType>
            </xs:element>
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        </xs:complexType>
      </xs:element>
      <xs:element name="GoodsDescription" minOccurs="0">
        <xs:complexType>
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              </xs:simpleType>
            </xs:element>
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              </xs:simpleType>
            </xs:element>
            <xs:element name="HSCode" type="HSCodeType" minOccurs="0"/>
            <xs:element name="GoodsFreeRemark" minOccurs="0">
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                  <xs:maxLength value="70"/>
                </xs:restriction>
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            </xs:element>
          </xs:sequence>
        </xs:complexType>
      </xs:element>
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          <xs:sequence>
            <xs:element name="DangerousGoods">
              <xs:complexType>
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                        <xs:enumeration value="ANR"/>
                        <xs:enumeration value="IMD"/>
                      </xs:restriction>
                    </xs:simpleType>
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                    </xs:simpleType>
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                  <xs:element name="AdditionalClassification" minOccurs="0"/>
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                    </xs:simpleType>
                  </xs:element>
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```

```
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                        <xs:enumeration value="FAH"/>
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        <xs:complexType>
          <xs:sequence>
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```

```
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        </xs:element>
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    </xs:complexType>
  </xs:element>
 </xs:sequence>
</xs:complexType>
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```
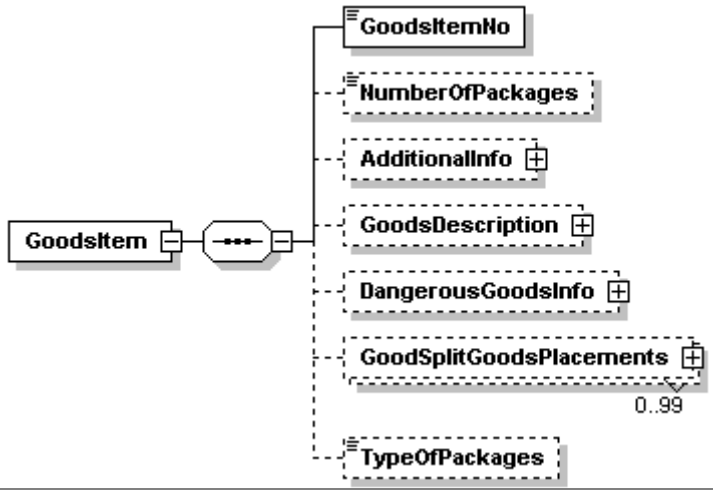

element **ERINOT/Consignments/Consignment/GoodsItems/GoodsItem**

diagram



children

GoodsItemNo NumberOfPackages AdditionalInfo GoodsDescription DangerousGoodsInfo GoodSplitGoodsPlacements TypeOfPackages

source

```
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     </xs:restriction>
    </xs:simpleType>
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         <xs:enumeration value="N"/>
        </xs:restriction>
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```

```
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            <xs:enumeration value="T"/>
            <xs:enumeration value="C"/>
            <xs:enumeration value="F"/>
            <xs:enumeration value="X"/>
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            <xs:length value="1"/>
            <xs:enumeration value="Y"/>
            <xs:enumeration value="N"/>
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        <xs:complexType>
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            <xs:element name="Regulation">
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                  <xs:enumeration value="ANR"/>
                  <xs:enumeration value="IMD"/>
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```

```
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          <xs:element name="HazardPlacardUpper" minOccurs="0">
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    </xs:element>
  </xs:sequence>
 </xs:complexType>
</xs:element>
<xs:element name="TechnicalName">
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<xs:element name="NetWeight" type="xs:integer"/>
<xs:element name="Synonym" minOccurs="0">
 <xs:simpleType>
  <xs:restriction base="xs:string">
```

```
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</xs:element>
```

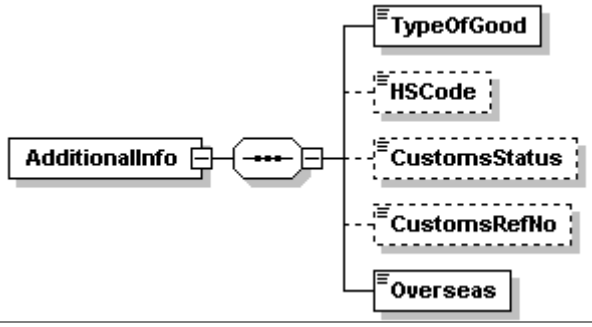
element **ERINOT/Consignments/Consignment/GoodsItems/GoodsItem/GoodsItemNo**

diagram	
type	restriction of **xs:integer**
facets	maxInclusive 99999
source	<xs:element name="GoodsItemNo"> <xs:simpleType> <xs:restriction base="xs:integer"> <xs:maxInclusive value="99999"/> </xs:restriction> </xs:simpleType> </xs:element>

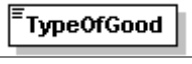
element **ERINOT/Consignments/Consignment/GoodsItems/GoodsItem/NumberOfPackages**

diagram	
type	restriction of **xs:integer**
facets	maxInclusive 99999999
source	<xs:element name="NumberOfPackages" minOccurs="0"> <xs:simpleType> <xs:restriction base="xs:integer"> <xs:maxInclusive value="99999999"/> </xs:restriction> </xs:simpleType> </xs:element>

element **ERINOT/Consignments/Consignment/GoodsItems/GoodsItem/AdditionalInfo**

diagram	
children	TypeOfGood HSCode CustomsStatus CustomsRefNo Overseas
source	<xs:element name="AdditionalInfo" minOccurs="0"> <xs:complexType> <xs:sequence> <xs:element name="TypeOfGood"> <xs:simpleType> <xs:restriction base="xs:string"> <xs:length value="1"/> <xs:enumeration value="D"/> <xs:enumeration value="N"/> </xs:restriction> </xs:simpleType> </xs:element> <xs:element name="HSCode" type="HSCodeType" minOccurs="0"/> <xs:element name="CustomsStatus" minOccurs="0"> <xs:simpleType> <xs:restriction base="xs:string"> <xs:length value="1"/> <xs:enumeration value="T"/> <xs:enumeration value="C"/> <xs:enumeration value="F"/> <xs:enumeration value="X"/> </xs:restriction> </xs:simpleType> </xs:element> <xs:element name="CustomsRefNo" minOccurs="0"> <xs:simpleType> <xs:restriction base="xs:string"> <xs:maxLength value="35"/> </xs:restriction> </xs:simpleType> </xs:element> <xs:element name="Overseas"> <xs:simpleType> <xs:restriction base="xs:string"> <xs:length value="1"/> <xs:enumeration value="Y"/> <xs:enumeration value="N"/> </xs:restriction> </xs:simpleType> </xs:element> </xs:sequence> </xs:complexType> </xs:element>

element **ERINOT/Consignment/GoodsItems/GoodsItem/AdditionalInfo/TypeOfGood**

diagram	
type	restriction of **xs:string**
facets	length 1 enumeration D enumeration N
source	<xs:element name="TypeOfGood">

```
  <xs:simpleType>
   <xs:restriction base="xs:string">
    <xs:length value="1"/>
    <xs:enumeration value="D"/>
    <xs:enumeration value="N"/>
   </xs:restriction>
  </xs:simpleType>
</xs:element>
```

element
ERINOT/Consignments/Consignment/GoodsItems/GoodsItem/AdditionalInfo/HSCode

diagram	HSCode
type	HSCodeType
facets	minLength 6 maxLength 10
source	<xs:element name="HSCode" type="HSCodeType" minOccurs="0"/>

element
ERINOT/Consignments/Consignment/GoodsItems/GoodsItem/AdditionalInfo/CustomsStatus

diagram	CustomsStatus
type	restriction of **xs:string**
facets	length 1 enumeration T enumeration C enumeration F enumeration X
source	<xs:element name="CustomsStatus" minOccurs="0"> <xs:simpleType> <xs:restriction base="xs:string"> <xs:length value="1"/> <xs:enumeration value="T"/> <xs:enumeration value="C"/> <xs:enumeration value="F"/> <xs:enumeration value="X"/> </xs:restriction> </xs:simpleType> </xs:element>

element
ERINOT/Consignments/Consignment/GoodsItems/GoodsItem/AdditionalInfo/CustomsRefNo

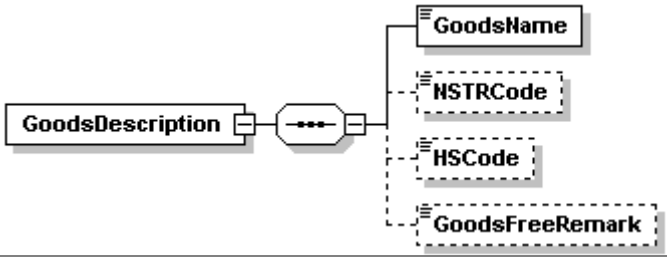
diagram	CustomsRefNo
type	restriction of **xs:string**
facets	maxLength 35
source	<xs:element name="CustomsRefNo" minOccurs="0"> <xs:simpleType> <xs:restriction base="xs:string"> <xs:maxLength value="35"/>

```
    </xs:restriction>
  </xs:simpleType>
</xs:element>
```

element
ERINOT/Consignments/Consignment/GoodsItems/GoodsItem/AdditionalInfo/Overseas

diagram	
type	restriction of **xs:string**
facets	length 1 enumeration Y enumeration N
source	<xs:element name="Overseas"> <xs:simpleType> <xs:restriction base="xs:string"> <xs:length value="1"/> <xs:enumeration value="Y"/> <xs:enumeration value="N"/> </xs:restriction> </xs:simpleType> </xs:element>

element **ERINOT/Consignments/Consignment/GoodsItems/GoodsItem/GoodsDescription**

diagram	
children	**GoodsName NSTRCode HSCode GoodsFreeRemark**
source	<xs:element name="GoodsDescription" minOccurs="0"> <xs:complexType> <xs:sequence> <xs:element name="GoodsName"> <xs:simpleType> <xs:restriction base="xs:string"> <xs:maxLength value="70"/> </xs:restriction> </xs:simpleType> </xs:element> <xs:element name="NSTRCode" minOccurs="0"> <xs:simpleType> <xs:restriction base="xs:string"> <xs:length value="6"/> </xs:restriction> </xs:simpleType> </xs:element> <xs:element name="HSCode" type="HSCodeType" minOccurs="0"/> <xs:element name="GoodsFreeRemark" minOccurs="0"> <xs:simpleType> <xs:restriction base="xs:string"> <xs:maxLength value="70"/> </xs:restriction> </xs:simpleType> </xs:element> </xs:sequence> </xs:complexType>

	</xs:element>

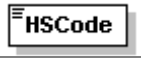
element
ERINOT/Consignments/Consignment/GoodsItems/GoodsItem/GoodsDescription/GoodsName

diagram	
type	restriction of **xs:string**
facets	maxLength 70
source	<xs:element name="GoodsName"> <xs:simpleType> <xs:restriction base="xs:string"> <xs:maxLength value="70"/> </xs:restriction> </xs:simpleType> </xs:element>

element
ERINOT/Consignments/Consignment/GoodsItems/GoodsItem/GoodsDescription/NSTRCode

diagram	
type	restriction of **xs:string**
facets	length 6
source	<xs:element name="NSTRCode" minOccurs="0"> <xs:simpleType> <xs:restriction base="xs:string"> <xs:length value="6"/> </xs:restriction> </xs:simpleType> </xs:element>

element
ERINOT/Consignments/Consignment/GoodsItems/GoodsItem/GoodsDescription/HSCode

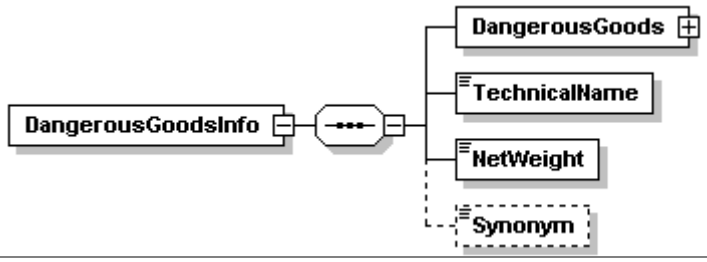
diagram	
type	**HSCodeType**
facets	minLength 6 maxLength 10
source	<xs:element name="HSCode" type="HSCodeType" minOccurs="0"/>

element
ERINOT/Consignments/Consignment/GoodsItems/GoodsItem/GoodsDescription/GoodsFreeRemark

diagram	
type	restriction of **xs:string**
facets	maxLength 70
source	<xs:element name="GoodsFreeRemark" minOccurs="0"> <xs:simpleType> <xs:restriction base="xs:string"> <xs:maxLength value="70"/> </xs:restriction> </xs:simpleType> </xs:element>

element **ERINOT/Consignments/Consignment/GoodsItems/GoodsItem/DangerousGoodsInfo**

diagram



children **DangerousGoods TechnicalName NetWeight Synonym**

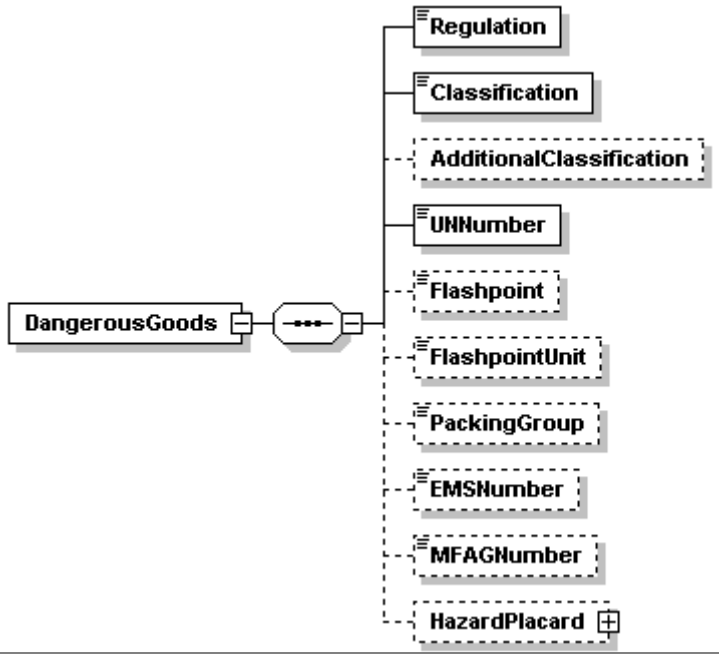
source

```
<xs:element name="DangerousGoodsInfo" minOccurs="0">
 <xs:complexType>
  <xs:sequence>
   <xs:element name="DangerousGoods">
    <xs:complexType>
     <xs:sequence>
      <xs:element name="Regulation">
       <xs:simpleType>
        <xs:restriction base="xs:string">
         <xs:length value="3"/>
         <xs:enumeration value="ANR"/>
         <xs:enumeration value="IMD"/>
        </xs:restriction>
       </xs:simpleType>
      </xs:element>
      <xs:element name="Classification">
       <xs:simpleType>
        <xs:restriction base="xs:string">
         <xs:maxLength value="7"/>
        </xs:restriction>
       </xs:simpleType>
      </xs:element>
      <xs:element name="AdditionalClassification" minOccurs="0"/>
      <xs:element name="UNNumber">
       <xs:simpleType>
        <xs:restriction base="xs:string">
         <xs:length value="4"/>
        </xs:restriction>
       </xs:simpleType>
      </xs:element>
      <xs:element name="Flashpoint" type="xs:float" minOccurs="0"/>
      <xs:element name="FlashpointUnit" minOccurs="0">
       <xs:simpleType>
        <xs:restriction base="xs:string">
         <xs:length value="3"/>
         <xs:enumeration value="CEL"/>
         <xs:enumeration value="FAH"/>
        </xs:restriction>
       </xs:simpleType>
      </xs:element>
      <xs:element name="PackingGroup" minOccurs="0">
       <xs:simpleType>
        <xs:restriction base="xs:string">
         <xs:length value="1"/>
        </xs:restriction>
       </xs:simpleType>
      </xs:element>
      <xs:element name="EMSNumber" minOccurs="0">
       <xs:simpleType>
        <xs:restriction base="xs:string">
         <xs:maxLength value="6"/>
        </xs:restriction>
       </xs:simpleType>
      </xs:element>
      <xs:element name="MFAGNumber" minOccurs="0">
       <xs:simpleType>
        <xs:restriction base="xs:string">
         <xs:maxLength value="4"/>
        </xs:restriction>
       </xs:simpleType>
```

```
          </xs:element>
          <xs:element name="HazardPlacard" minOccurs="0">
           <xs:complexType>
            <xs:sequence>
             <xs:element name="HazardPlacardUpper" minOccurs="0">
              <xs:simpleType>
               <xs:restriction base="xs:string">
                <xs:maxLength value="4"/>
               </xs:restriction>
              </xs:simpleType>
             </xs:element>
             <xs:element name="HazardPlacardLower" minOccurs="0">
              <xs:simpleType>
               <xs:restriction base="xs:string">
                <xs:maxLength value="4"/>
               </xs:restriction>
              </xs:simpleType>
             </xs:element>
            </xs:sequence>
           </xs:complexType>
          </xs:element>
         </xs:sequence>
        </xs:complexType>
       </xs:element>
       <xs:element name="TechnicalName">
        <xs:simpleType>
         <xs:restriction base="xs:string">
          <xs:maxLength value="70"/>
         </xs:restriction>
        </xs:simpleType>
       </xs:element>
       <xs:element name="NetWeight" type="xs:integer"/>
       <xs:element name="Synonym" minOccurs="0">
        <xs:simpleType>
         <xs:restriction base="xs:string">
          <xs:maxLength value="70"/>
         </xs:restriction>
        </xs:simpleType>
       </xs:element>
      </xs:sequence>
     </xs:complexType>
    </xs:element>
```

element

ERINOT/Consignments/Consignment/GoodsItems/GoodsItem/DangerousGoodsInfo/DangerousGoods

diagram	
children	Regulation Classification AdditionalClassification UNNumber Flashpoint FlashpointUnit PackingGroup EMSNumber MFAGNumber HazardPlacard
source	<xs:element name="DangerousGoods"> <xs:complexType> <xs:sequence> <xs:element name="Regulation"> <xs:simpleType> <xs:restriction base="xs:string"> <xs:length value="3"/> <xs:enumeration value="ANR"/> <xs:enumeration value="IMD"/> </xs:restriction> </xs:simpleType> </xs:element> <xs:element name="Classification"> <xs:simpleType> <xs:restriction base="xs:string"> <xs:maxLength value="7"/> </xs:restriction> </xs:simpleType> </xs:element> <xs:element name="AdditionalClassification" minOccurs="0"/> <xs:element name="UNNumber"> <xs:simpleType> <xs:restriction base="xs:string"> <xs:length value="4"/> </xs:restriction> </xs:simpleType> </xs:element> <xs:element name="Flashpoint" type="xs:float" minOccurs="0"/> <xs:element name="FlashpointUnit" minOccurs="0"> <xs:simpleType> <xs:restriction base="xs:string"> <xs:length value="3"/> <xs:enumeration value="CEL"/> <xs:enumeration value="FAH"/> </xs:restriction> </xs:simpleType> </xs:element> <xs:element name="PackingGroup" minOccurs="0"> <xs:simpleType> <xs:restriction base="xs:string"> <xs:length value="1"/> </xs:restriction> </xs:simpleType> </xs:element> <xs:element name="EMSNumber" minOccurs="0">

```
        <xs:simpleType>
          <xs:restriction base="xs:string">
            <xs:maxLength value="6"/>
          </xs:restriction>
        </xs:simpleType>
      </xs:element>
      <xs:element name="MFAGNumber" minOccurs="0">
        <xs:simpleType>
          <xs:restriction base="xs:string">
            <xs:maxLength value="4"/>
          </xs:restriction>
        </xs:simpleType>
      </xs:element>
      <xs:element name="HazardPlacard" minOccurs="0">
        <xs:complexType>
          <xs:sequence>
            <xs:element name="HazardPlacardUpper" minOccurs="0">
              <xs:simpleType>
                <xs:restriction base="xs:string">
                  <xs:maxLength value="4"/>
                </xs:restriction>
              </xs:simpleType>
            </xs:element>
            <xs:element name="HazardPlacardLower" minOccurs="0">
              <xs:simpleType>
                <xs:restriction base="xs:string">
                  <xs:maxLength value="4"/>
                </xs:restriction>
              </xs:simpleType>
            </xs:element>
          </xs:sequence>
        </xs:complexType>
      </xs:element>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

element
ERINOT/Consignments/Consignment/GoodsItems/GoodsItem/DangerousGoodsInfo/DangerousGoods/Regulation

diagram	Regulation
type	restriction of **xs:string**
facets	length 3 enumeration ANR enumeration IMD

source	`<xs:element name="Regulation">`
	`<xs:simpleType>`
	`<xs:restriction base="xs:string">`
	`<xs:length value="3"/>`
	`<xs:enumeration value="ANR"/>`
	`<xs:enumeration value="IMD"/>`
	`</xs:restriction>`
	`</xs:simpleType>`
	`</xs:element>`

element
ERINOT/Consignments/Consignment/GoodsItems/GoodsItem/DangerousGoodsInfo/DangerousGoods/Classification

diagram	Classification
type	restriction of **xs:string**
facets	maxLength 7

source	<xs:element name="Classification"> <xs:simpleType> <xs:restriction base="xs:string"> <xs:maxLength value="7"/> </xs:restriction> </xs:simpleType> </xs:element>

element
ERINOT/Consignments/Consignment/GoodsItems/GoodsItem/DangerousGoodsInfo/DangerousGoods/AdditionalClassification

diagram	AdditionalClassification
source	<xs:element name="AdditionalClassification" minOccurs="0"/>

element
ERINOT/Consignments/Consignment/GoodsItems/GoodsItem/DangerousGoodsInfo/DangerousGoods/UNNumber

diagram	UNNumber
type	restriction of **xs:string**
facets	length 4
source	<xs:element name="UNNumber"> <xs:simpleType> <xs:restriction base="xs:string"> <xs:length value="4"/> </xs:restriction> </xs:simpleType> </xs:element>

element
ERINOT/Consignments/Consignment/GoodsItems/GoodsItem/DangerousGoodsInfo/DangerousGoods/Flashpoint

diagram	Flashpoint
type	**xs:float**
source	<xs:element name="Flashpoint" type="xs:float" minOccurs="0"/>

element
ERINOT/Consignments/Consignment/GoodsItems/GoodsItem/DangerousGoodsInfo/DangerousGoods/FlashpointUnit

diagram	FlashpointUnit
type	restriction of **xs:string**
facets	length 3 enumeration CEL enumeration FAH
source	<xs:element name="FlashpointUnit" minOccurs="0"> <xs:simpleType> <xs:restriction base="xs:string">

```
      <xs:length value="3"/>
      <xs:enumeration value="CEL"/>
      <xs:enumeration value="FAH"/>
    </xs:restriction>
  </xs:simpleType>
</xs:element>
```

element
ERINOT/Consignments/Consignment/GoodsItems/GoodsItem/DangerousGoodsInfo/DangerousGoods/PackingGroup

diagram	
type	restriction of **xs:string**
facets	length 1
source	<xs:element name="PackingGroup" minOccurs="0"> <xs:simpleType> <xs:restriction base="xs:string"> <xs:length value="1"/> </xs:restriction> </xs:simpleType> </xs:element>

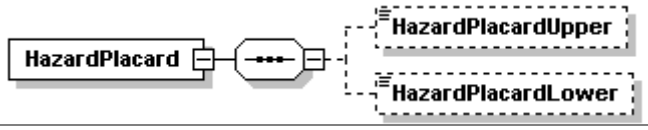
element
ERINOT/Consignments/Consignment/GoodsItems/GoodsItem/DangerousGoodsInfo/DangerousGoods/EMSNumber

diagram	
type	restriction of **xs:string**
facets	maxLength 6
source	<xs:element name="EMSNumber" minOccurs="0"> <xs:simpleType> <xs:restriction base="xs:string"> <xs:maxLength value="6"/> </xs:restriction> </xs:simpleType> </xs:element>

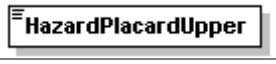
element
ERINOT/Consignments/Consignment/GoodsItems/GoodsItem/DangerousGoodsInfo/DangerousGoods/MFAGNumber

diagram	
type	restriction of **xs:string**
facets	maxLength 4
source	<xs:element name="MFAGNumber" minOccurs="0"> <xs:simpleType> <xs:restriction base="xs:string"> <xs:maxLength value="4"/> </xs:restriction> </xs:simpleType> </xs:element>

element
ERINOT/Consignments/Consignment/GoodsItems/GoodsItem/DangerousGoodsInfo/DangerousGoods/HazardPlacard

diagram	
children	HazardPlacardUpper HazardPlacardLower
source	<xs:element name="HazardPlacard" minOccurs="0"> <xs:complexType> <xs:sequence> <xs:element name="HazardPlacardUpper" minOccurs="0"> <xs:simpleType> <xs:restriction base="xs:string"> <xs:maxLength value="4"/> </xs:restriction> </xs:simpleType> </xs:element> <xs:element name="HazardPlacardLower" minOccurs="0"> <xs:simpleType> <xs:restriction base="xs:string"> <xs:maxLength value="4"/> </xs:restriction> </xs:simpleType> </xs:element> </xs:sequence> </xs:complexType> </xs:element>

element
ERINOT/Consignments/Consignment/GoodsItems/GoodsItem/DangerousGoodsInfo/DangerousGoods/HazardPlacard/HazardPlacardUpper

diagram	
type	restriction of **xs:string**
facets	maxLength 4
source	<xs:element name="HazardPlacardUpper" minOccurs="0"> <xs:simpleType> <xs:restriction base="xs:string"> <xs:maxLength value="4"/> </xs:restriction> </xs:simpleType> </xs:element>

element
ERINOT/Consignments/Consignment/GoodsItems/GoodsItem/DangerousGoodsInfo/DangerousGoods/HazardPlacard/HazardPlacardLower

diagram	
type	restriction of **xs:string**
facets	maxLength 4
source	<xs:element name="HazardPlacardLower" minOccurs="0"> <xs:simpleType> <xs:restriction base="xs:string"> <xs:maxLength value="4"/> </xs:restriction> </xs:simpleType>

	</xs:element>

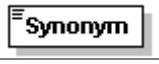
element
ERINOT/Consignments/Consignment/GoodsItems/GoodsItem/DangerousGoodsInfo/TechnicalName

diagram	
type	restriction of **xs:string**
facets	maxLength 70
source	<xs:element name="TechnicalName"> <xs:simpleType> <xs:restriction base="xs:string"> <xs:maxLength value="70"/> </xs:restriction> </xs:simpleType> </xs:element>

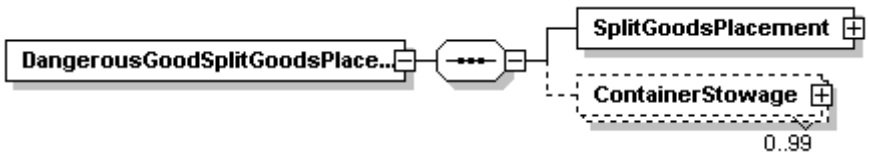
element
ERINOT/Consignments/Consignment/GoodsItems/GoodsItem/DangerousGoodsInfo/NetWeight

diagram	
type	**xs:integer**
source	<xs:element name="NetWeight" type="xs:integer"/>

element
ERINOT/Consignments/Consignment/GoodsItems/GoodsItem/DangerousGoodsInfo/Synonym

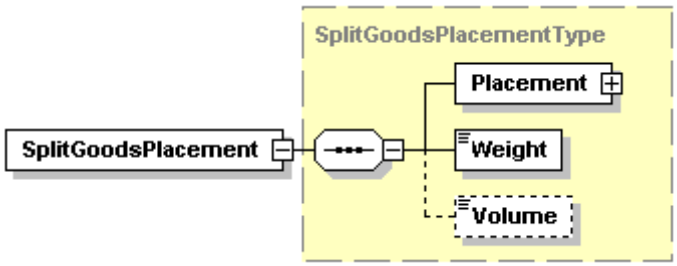
diagram	
type	restriction of **xs:string**
facets	maxLength 70
source	<xs:element name="Synonym" minOccurs="0"> <xs:simpleType> <xs:restriction base="xs:string"> <xs:maxLength value="70"/> </xs:restriction> </xs:simpleType> </xs:element>

element
ERINOT/Consignments/Consignment/GoodsItems/GoodsItem/GoodSplitGoodsPlacements

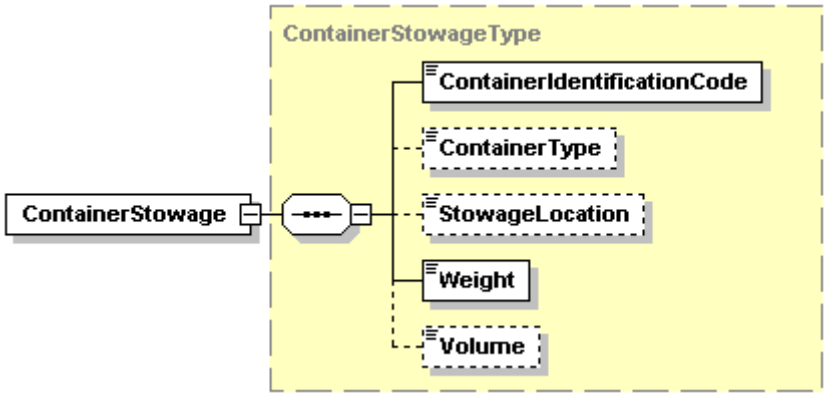
diagram	
children	SplitGoodsPlacement ContainerStowage
source	<xs:element name="GoodSplitGoodsPlacements" minOccurs="0" maxOccurs="99"> <xs:complexType> <xs:sequence>

```
    <xs:element name="SplitGoodsPlacement" type="SplitGoodsPlacementType"/>
    <xs:element name="ContainerStowage" type="ContainerStowageType" minOccurs="0" maxOccurs="99"/>
   </xs:sequence>
  </xs:complexType>
</xs:element>
```

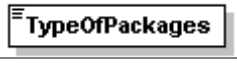
element
ERINOT/Consignments/Consignment/GoodsItems/GoodsItem/GoodSplitGoodsPlacements/SplitGoodsPlacement

diagram	
type	**SplitGoodsPlacementType**
children	**Placement Weight Volume**
source	<xs:element name="SplitGoodsPlacement" type="SplitGoodsPlacementType"/>

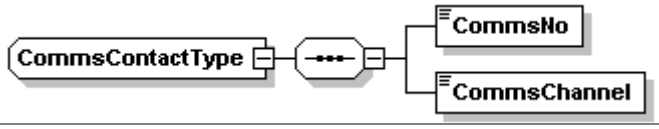
element
ERINOT/Consignments/Consignment/GoodsItems/GoodsItem/GoodSplitGoodsPlacements/ContainerStowage

diagram	
type	**ContainerStowageType**
children	**ContainerIdentificationCode ContainerType StowageLocation Weight Volume**
source	<xs:element name="ContainerStowage" type="ContainerStowageType" minOccurs="0" maxOccurs="99"/>

element **ERINOT/Consignments/Consignment/GoodsItems/GoodsItem/TypeOfPackages**

diagram	
type	restriction of **xs:string**
facets	length 2
source	<xs:element name="TypeOfPackages" minOccurs="0"> <xs:simpleType> <xs:restriction base="xs:string"> <xs:length value="2"/> </xs:restriction> </xs:simpleType> </xs:element>

complexType **CommsContactType**

diagram	
children	**CommsNo** **CommsChannel**
used by	element **ContactType/CommsContact**
source	<xs:complexType name="CommsContactType"> <xs:sequence> <xs:element name="CommsNo"> <xs:simpleType> <xs:restriction base="xs:string"> <xs:maxLength value="70"/> </xs:restriction> </xs:simpleType> </xs:element> <xs:element name="CommsChannel"> <xs:simpleType> <xs:restriction base="xs:string"> <xs:maxLength value="3"/> <xs:enumeration value="TE"/> <xs:enumeration value="FX"/> <xs:enumeration value="EM"/> <xs:enumeration value="EI"/> </xs:restriction> </xs:simpleType> </xs:element> </xs:sequence> </xs:complexType>

element **CommsContactType/CommsNo**

diagram	
type	restriction of **xs:string**
facets	maxLength 70
source	<xs:element name="CommsNo"> <xs:simpleType> <xs:restriction base="xs:string"> <xs:maxLength value="70"/> </xs:restriction> </xs:simpleType> </xs:element>

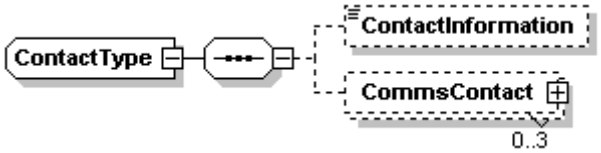
element **CommsContactType/CommsChannel**

diagram	
type	restriction of **xs:string**
facets	maxLength 3 enumeration TE enumeration FX enumeration EM enumeration EI
source	<xs:element name="CommsChannel"> <xs:simpleType> <xs:restriction base="xs:string"> <xs:maxLength value="3"/>

```
      <xs:enumeration value="TE"/>
      <xs:enumeration value="FX"/>
      <xs:enumeration value="EM"/>
      <xs:enumeration value="EI"/>
    </xs:restriction>
  </xs:simpleType>
</xs:element>
```

complexType **ContactType**

diagram



children **ContactInformation** **CommsContact**
used by elements **ERINOT/MessageSenderAddress/Contact**
ERINOT/AgentInvoiceAddress/Contact

source

```
<xs:complexType name="ContactType">
  <xs:sequence>
    <xs:element name="ContactInformation" minOccurs="0">
      <xs:simpleType>
        <xs:restriction base="xs:string">
          <xs:maxLength value="35"/>
        </xs:restriction>
      </xs:simpleType>
    </xs:element>
    <xs:element name="CommsContact" type="CommsContactType" minOccurs="0" maxOccurs="3"/>
  </xs:sequence>
</xs:complexType>
```

element **ContactType/ContactInformation**

diagram

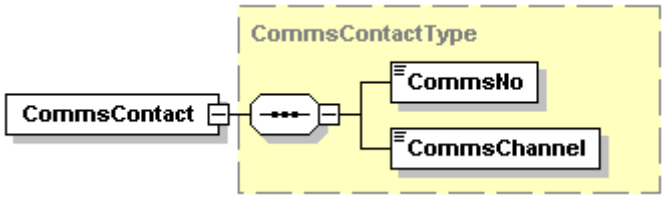
type restriction of **xs:string**
facets maxLength 35

source

```
<xs:element name="ContactInformation" minOccurs="0">
  <xs:simpleType>
    <xs:restriction base="xs:string">
      <xs:maxLength value="35"/>
    </xs:restriction>
  </xs:simpleType>
</xs:element>
```

element **ContactType/CommsContact**

diagram



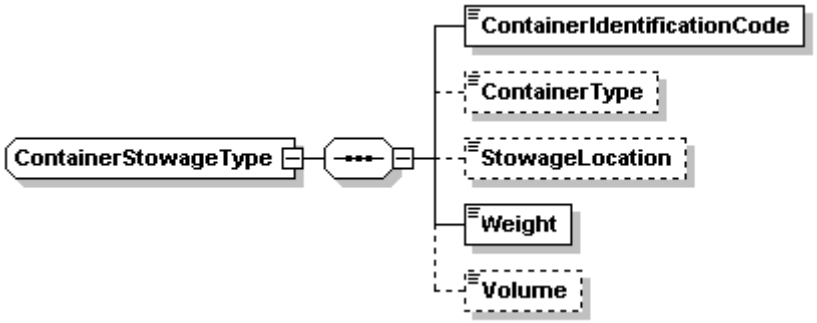
type **CommsContactType**
children **CommsNo** **CommsChannel**

source

```
<xs:element name="CommsContact" type="CommsContactType" minOccurs="0" maxOccurs="3"/>
```

complexType **ContainerStowageType**

diagram



children **ContainerIdentificationCode** **ContainerType** **StowageLocation** **Weight** **Volume**
used by element **ERINOT/Consignments/Consignment/GoodsItems/GoodsItem/GoodSplitGoodsPlacements/ContainerStowage**

source
```
<xs:complexType name="ContainerStowageType">
  <xs:sequence>
    <xs:element name="ContainerIdentificationCode">
      <xs:simpleType>
        <xs:restriction base="xs:string">
          <xs:maxLength value="17"/>
        </xs:restriction>
      </xs:simpleType>
    </xs:element>
    <xs:element name="ContainerType" minOccurs="0">
      <xs:simpleType>
        <xs:restriction base="xs:string">
          <xs:maxLength value="4"/>
          <xs:minLength value="4"/>
        </xs:restriction>
      </xs:simpleType>
    </xs:element>
    <xs:element name="StowageLocation" minOccurs="0">
      <xs:simpleType>
        <xs:restriction base="xs:string">
          <xs:maxLength value="25"/>
        </xs:restriction>
      </xs:simpleType>
    </xs:element>
    <xs:element name="Weight" type="WeightType"/>
    <xs:element name="Volume" type="VolumeType" minOccurs="0"/>
  </xs:sequence>
</xs:complexType>
```

element **ContainerStowageType/ContainerIdentificationCode**

diagram

type restriction of **xs:string**
facets maxLength 17

source
```
<xs:element name="ContainerIdentificationCode">
  <xs:simpleType>
    <xs:restriction base="xs:string">
      <xs:maxLength value="17"/>
    </xs:restriction>
  </xs:simpleType>
</xs:element>
```

element **ContainerStowageType/ContainerType**

diagram

type restriction of **xs:string**
facets minLength 4
maxLength 4

source
```
<xs:element name="ContainerType" minOccurs="0">
  <xs:simpleType>
    <xs:restriction base="xs:string">
```

```
      <xs:maxLength value="4"/>
      <xs:minLength value="4"/>
    </xs:restriction>
  </xs:simpleType>
</xs:element>
```

element **ContainerStowageType/StowageLocation**

diagram

type restriction of **xs:string**
facets maxLength 25
source

```
<xs:element name="StowageLocation" minOccurs="0">
  <xs:simpleType>
    <xs:restriction base="xs:string">
      <xs:maxLength value="25"/>
    </xs:restriction>
  </xs:simpleType>
</xs:element>
```

element **ContainerStowageType/Weight**

diagram

type WeightType
facets minInclusive 0
maxInclusive 999999999
source

```
<xs:element name="Weight" type="WeightType"/>
```

element **ContainerStowageType/Volume**

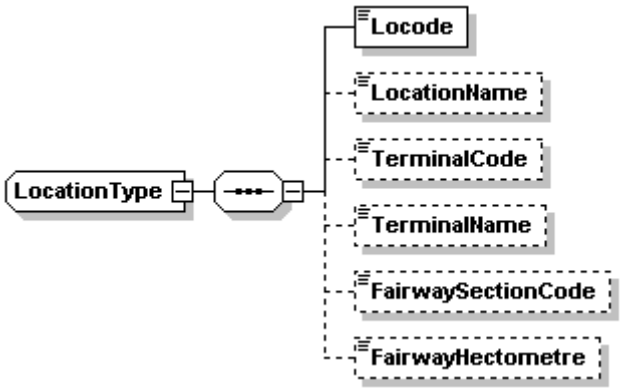
diagram

type VolumeType
facets minInclusive 0
maxInclusive 999999999
source

```
<xs:element name="Volume" type="VolumeType" minOccurs="0"/>
```

complexType **LocationType**

diagram



children Locode LocationName TerminalCode TerminalName FairwaySectionCode FairwayHectometre
used by elements ERINOT/Transport/TransportLocations/NextPortOfCall
ERINOT/Transport/TransportLocations/PassagePoint
ERINOT/Transport/TransportLocations/PortOfDeparture
ERINOT/Transport/TransportLocations/PortOfDestination
ERINOT/Consignments/Consignment/PortOfDischarge
ERINOT/Consignments/Consignment/PortOfLoading
ERINOT/Transport/TransportLocations/RoutePoints/RoutePoint
source

```
<xs:complexType name="LocationType">
  <xs:sequence>
    <xs:element name="Locode">
      <xs:simpleType>
        <xs:restriction base="xs:string">
          <xs:length value="5"/>
        </xs:restriction>
      </xs:simpleType>
```

```
    </xs:element>
    <xs:element name="LocationName" minOccurs="0">
     <xs:simpleType>
      <xs:restriction base="xs:string">
       <xs:maxLength value="17"/>
      </xs:restriction>
     </xs:simpleType>
    </xs:element>
    <xs:element name="TerminalCode" minOccurs="0">
     <xs:simpleType>
      <xs:restriction base="xs:string">
       <xs:maxLength value="10"/>
      </xs:restriction>
     </xs:simpleType>
    </xs:element>
    <xs:element name="TerminalName" minOccurs="0">
     <xs:simpleType>
      <xs:restriction base="xs:string">
       <xs:maxLength value="70"/>
      </xs:restriction>
     </xs:simpleType>
    </xs:element>
    <xs:element name="FairwaySectionCode" minOccurs="0">
     <xs:simpleType>
      <xs:restriction base="xs:string">
       <xs:maxLength value="7"/>
      </xs:restriction>
     </xs:simpleType>
    </xs:element>
    <xs:element name="FairwayHectometre" minOccurs="0">
     <xs:simpleType>
      <xs:restriction base="xs:string">
       <xs:maxLength value="5"/>
      </xs:restriction>
     </xs:simpleType>
    </xs:element>
   </xs:sequence>
  </xs:complexType>
```

element **LocationType/Locode**

diagram 

type restriction of **xs:string**
facets length 5
source

```
<xs:element name="Locode">
 <xs:simpleType>
  <xs:restriction base="xs:string">
   <xs:length value="5"/>
  </xs:restriction>
 </xs:simpleType>
</xs:element>
```

element **LocationType/LocationName**

diagram 

type restriction of **xs:string**
facets maxLength 17
source

```
<xs:element name="LocationName" minOccurs="0">
 <xs:simpleType>
  <xs:restriction base="xs:string">
   <xs:maxLength value="17"/>
  </xs:restriction>
 </xs:simpleType>
</xs:element>
```

element **LocationType/TerminalCode**

diagram 

type restriction of **xs:string**
facets maxLength 10
source
```
<xs:element name="TerminalCode" minOccurs="0">
  <xs:simpleType>
    <xs:restriction base="xs:string">
      <xs:maxLength value="10"/>
    </xs:restriction>
  </xs:simpleType>
</xs:element>
```

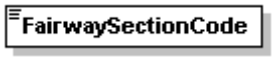
element **LocationType/TerminalName**

diagram

type restriction of **xs:string**
facets maxLength 70
source
```
<xs:element name="TerminalName" minOccurs="0">
  <xs:simpleType>
    <xs:restriction base="xs:string">
      <xs:maxLength value="70"/>
    </xs:restriction>
  </xs:simpleType>
</xs:element>
```

element **LocationType/FairwaySectionCode**

diagram



type restriction of **xs:string**
facets maxLength 7
source
```
<xs:element name="FairwaySectionCode" minOccurs="0">
  <xs:simpleType>
    <xs:restriction base="xs:string">
      <xs:maxLength value="7"/>
    </xs:restriction>
  </xs:simpleType>
</xs:element>
```

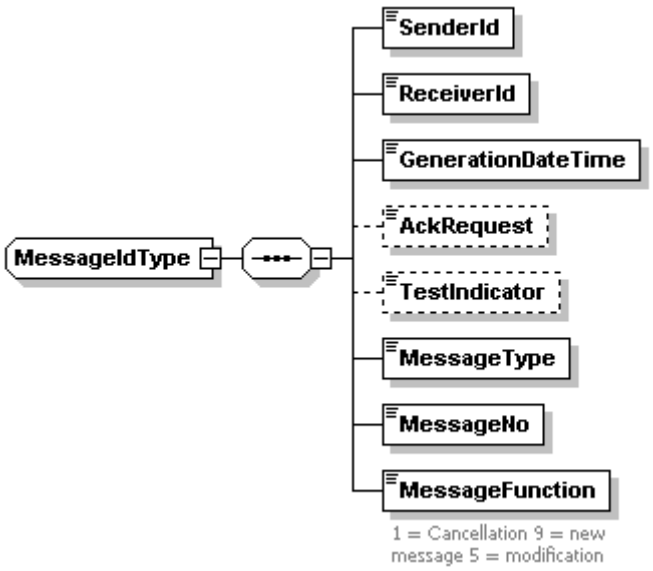
element **LocationType/FairwayHectometre**

diagram

type restriction of **xs:string**
facets maxLength 5
source
```
<xs:element name="FairwayHectometre" minOccurs="0">
  <xs:simpleType>
    <xs:restriction base="xs:string">
      <xs:maxLength value="5"/>
    </xs:restriction>
  </xs:simpleType>
</xs:element>
```

complexType **MessageIdType**

diagram



children **SenderId** **ReceiverId** **GenerationDateTime** **AckRequest** **TestIndicator** **MessageType** **MessageNo** **MessageFunction**

used by element **ERINOT/MessageId**

source

```
<xs:complexType name="MessageIdType">
 <xs:sequence>
  <xs:element name="SenderId">
   <xs:simpleType>
    <xs:restriction base="xs:string">
     <xs:maxLength value="25"/>
    </xs:restriction>
   </xs:simpleType>
  </xs:element>
  <xs:element name="ReceiverId">
   <xs:simpleType>
    <xs:restriction base="xs:string">
     <xs:maxLength value="25"/>
    </xs:restriction>
   </xs:simpleType>
  </xs:element>
  <xs:element name="GenerationDateTime" type="xs:dateTime"/>
  <xs:element name="AckRequest" minOccurs="0">
   <xs:simpleType>
    <xs:restriction base="xs:string">
     <xs:maxLength value="1"/>
     <xs:enumeration value="1"/>
    </xs:restriction>
   </xs:simpleType>
  </xs:element>
  <xs:element name="TestIndicator" minOccurs="0">
   <xs:simpleType>
    <xs:restriction base="xs:string">
     <xs:maxLength value="1"/>
     <xs:enumeration value="1"/>
    </xs:restriction>
   </xs:simpleType>
  </xs:element>
  <xs:element name="MessageType">
   <xs:simpleType>
    <xs:restriction base="xs:string">
     <xs:maxLength value="3"/>
     <xs:enumeration value="VES"/>
     <xs:enumeration value="CAR"/>
     <xs:enumeration value="PAS"/>
     <xs:enumeration value="POS"/>
     <xs:enumeration value="VER"/>
    </xs:restriction>
   </xs:simpleType>
  </xs:element>
```

```
      <xs:element name="MessageNo">
       <xs:simpleType>
        <xs:restriction base="xs:string">
         <xs:maxLength value="23"/>
        </xs:restriction>
       </xs:simpleType>
      </xs:element>
      <xs:element name="MessageFunction">
       <xs:annotation>
        <xs:documentation>1 = Cancellation 9 = new message 5 = modification</xs:documentation>
       </xs:annotation>
       <xs:simpleType>
        <xs:restriction base="xs:integer">
         <xs:enumeration value="1"/>
         <xs:enumeration value="5"/>
         <xs:enumeration value="9"/>
        </xs:restriction>
       </xs:simpleType>
      </xs:element>
     </xs:sequence>
    </xs:complexType>
```

element **MessageIdType/SenderId**

diagram 

type restriction of **xs:string**
facets maxLength 25
source

```
<xs:element name="SenderId">
 <xs:simpleType>
  <xs:restriction base="xs:string">
   <xs:maxLength value="25"/>
  </xs:restriction>
 </xs:simpleType>
</xs:element>
```

element **MessageIdType/ReceiverId**

diagram 

type restriction of **xs:string**
facets maxLength 25
source

```
<xs:element name="ReceiverId">
 <xs:simpleType>
  <xs:restriction base="xs:string">
   <xs:maxLength value="25"/>
  </xs:restriction>
 </xs:simpleType>
</xs:element>
```

element **MessageIdType/GenerationDateTime**

diagram 

type **xs:dateTime**
source

```
<xs:element name="GenerationDateTime" type="xs:dateTime"/>
```

element **MessageIdType/AckRequest**

diagram 

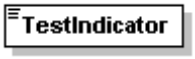
type restriction of **xs:string**
facets maxLength 1
enumeration 1
source

```
<xs:element name="AckRequest" minOccurs="0">
 <xs:simpleType>
  <xs:restriction base="xs:string">
   <xs:maxLength value="1"/>
   <xs:enumeration value="1"/>
  </xs:restriction>
```

```
  </xs:simpleType>
</xs:element>
```

element **MessageIdType/TestIndicator**

diagram



type restriction of **xs:string**
facets maxLength 1
enumeration 1

source
```
<xs:element name="TestIndicator" minOccurs="0">
  <xs:simpleType>
    <xs:restriction base="xs:string">
      <xs:maxLength value="1"/>
      <xs:enumeration value="1"/>
    </xs:restriction>
  </xs:simpleType>
</xs:element>
```

element **MessageIdType/MessageType**

diagram

type restriction of **xs:string**
facets maxLength 3
enumeration VES
enumeration CAR
enumeration PAS
enumeration POS
enumeration VER

source
```
<xs:element name="MessageType">
  <xs:simpleType>
    <xs:restriction base="xs:string">
      <xs:maxLength value="3"/>
      <xs:enumeration value="VES"/>
      <xs:enumeration value="CAR"/>
      <xs:enumeration value="PAS"/>
      <xs:enumeration value="POS"/>
      <xs:enumeration value="VER"/>
    </xs:restriction>
  </xs:simpleType>
</xs:element>
```

element **MessageIdType/MessageNo**

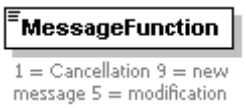
diagram

type restriction of **xs:string**
facets maxLength 23

source
```
<xs:element name="MessageNo">
  <xs:simpleType>
    <xs:restriction base="xs:string">
      <xs:maxLength value="23"/>
    </xs:restriction>
  </xs:simpleType>
</xs:element>
```

element **MessageIdType/MessageFunction**

diagram



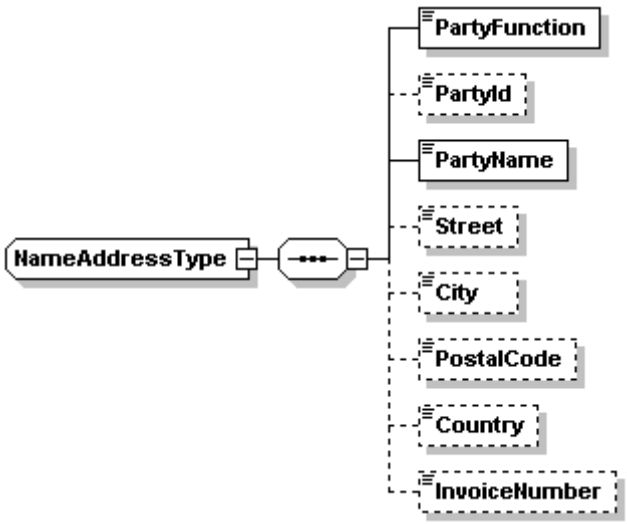
type restriction of **xs:integer**
facets enumeration 1
enumeration 5
enumeration 9
annotation documentation 1 = Cancellation 9 = new message 5 = modification

source
```
<xs:element name="MessageFunction">
```

```
    <xs:annotation>
      <xs:documentation>1 = Cancellation 9 = new message 5 = modification</xs:documentation>
    </xs:annotation>
    <xs:simpleType>
      <xs:restriction base="xs:integer">
        <xs:enumeration value="1"/>
        <xs:enumeration value="5"/>
        <xs:enumeration value="9"/>
      </xs:restriction>
    </xs:simpleType>
  </xs:element>
```

complexType **NameAddressType**

diagram



children PartyFunction PartyId PartyName Street City PostalCode Country InvoiceNumber

used by elements ERINOT/Consignments/Consignment/CargoReceiver
ERINOT/Consignments/Consignment/CargoSender
ERINOT/MessageSenderAddress/NameAddress ERINOT/AgentInvoiceAddress/NameAddress

source

```
<xs:complexType name="NameAddressType">
  <xs:sequence>
    <xs:element name="PartyFunction">
      <xs:simpleType>
        <xs:restriction base="xs:string">
          <xs:maxLength value="3"/>
          <xs:enumeration value="MS"/>
          <xs:enumeration value="CG"/>
          <xs:enumeration value="SF"/>
          <xs:enumeration value="ST"/>
        </xs:restriction>
      </xs:simpleType>
    </xs:element>
    <xs:element name="PartyId" minOccurs="0">
      <xs:simpleType>
        <xs:restriction base="xs:string">
          <xs:maxLength value="35"/>
        </xs:restriction>
      </xs:simpleType>
    </xs:element>
    <xs:element name="PartyName">
      <xs:simpleType>
        <xs:restriction base="xs:string">
          <xs:maxLength value="35"/>
        </xs:restriction>
      </xs:simpleType>
    </xs:element>
    <xs:element name="Street" minOccurs="0">
      <xs:simpleType>
        <xs:restriction base="xs:string">
          <xs:maxLength value="35"/>
        </xs:restriction>
      </xs:simpleType>
    </xs:element>
    <xs:element name="City" minOccurs="0">
```

```
      <xs:simpleType>
       <xs:restriction base="xs:string">
        <xs:maxLength value="35"/>
       </xs:restriction>
      </xs:simpleType>
     </xs:element>
     <xs:element name="PostalCode" minOccurs="0">
      <xs:simpleType>
       <xs:restriction base="xs:string">
        <xs:maxLength value="9"/>
       </xs:restriction>
      </xs:simpleType>
     </xs:element>
     <xs:element name="Country" minOccurs="0">
      <xs:simpleType>
       <xs:restriction base="xs:string">
        <xs:minLength value="2"/>
        <xs:maxLength value="3"/>
       </xs:restriction>
      </xs:simpleType>
     </xs:element>
     <xs:element name="InvoiceNumber" minOccurs="0">
      <xs:simpleType>
       <xs:restriction base="xs:string">
        <xs:maxLength value="35"/>
       </xs:restriction>
      </xs:simpleType>
     </xs:element>
    </xs:sequence>
   </xs:complexType>
```

element **NameAddressType/PartyFunction**

diagram 

type restriction of **xs:string**
facets maxLength 3
enumeration MS
enumeration CG
enumeration SF
enumeration ST
source

```
<xs:element name="PartyFunction">
 <xs:simpleType>
  <xs:restriction base="xs:string">
   <xs:maxLength value="3"/>
   <xs:enumeration value="MS"/>
   <xs:enumeration value="CG"/>
   <xs:enumeration value="SF"/>
   <xs:enumeration value="ST"/>
  </xs:restriction>
 </xs:simpleType>
</xs:element>
```

element **NameAddressType/PartyId**

diagram 

type restriction of **xs:string**
facets maxLength 35
source

```
<xs:element name="PartyId" minOccurs="0">
 <xs:simpleType>
  <xs:restriction base="xs:string">
   <xs:maxLength value="35"/>
  </xs:restriction>
 </xs:simpleType>
</xs:element>
```

element **NameAddressType/PartyName**

diagram 

type restriction of **xs:string**
facets maxLength 35
source
```
<xs:element name="PartyName">
  <xs:simpleType>
    <xs:restriction base="xs:string">
      <xs:maxLength value="35"/>
    </xs:restriction>
  </xs:simpleType>
</xs:element>
```

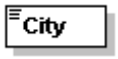
element **NameAddressType/Street**

diagram

type restriction of **xs:string**
facets maxLength 35
source
```
<xs:element name="Street" minOccurs="0">
  <xs:simpleType>
    <xs:restriction base="xs:string">
      <xs:maxLength value="35"/>
    </xs:restriction>
  </xs:simpleType>
</xs:element>
```

element **NameAddressType/City**

diagram



type restriction of **xs:string**
facets maxLength 35
source
```
<xs:element name="City" minOccurs="0">
  <xs:simpleType>
    <xs:restriction base="xs:string">
      <xs:maxLength value="35"/>
    </xs:restriction>
  </xs:simpleType>
</xs:element>
```

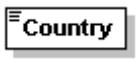
element **NameAddressType/PostalCode**

diagram

type restriction of **xs:string**
facets maxLength 9
source
```
<xs:element name="PostalCode" minOccurs="0">
  <xs:simpleType>
    <xs:restriction base="xs:string">
      <xs:maxLength value="9"/>
    </xs:restriction>
  </xs:simpleType>
</xs:element>
```

element **NameAddressType/Country**

diagram



type restriction of **xs:string**
facets minLength 2
maxLength 3
source
```
<xs:element name="Country" minOccurs="0">
  <xs:simpleType>
    <xs:restriction base="xs:string">
      <xs:minLength value="2"/>
      <xs:maxLength value="3"/>
    </xs:restriction>
  </xs:simpleType>
</xs:element>
```

element **NameAddressType/InvoiceNumber**

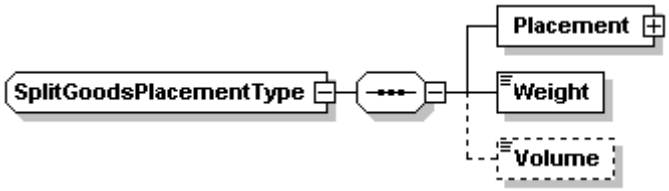
diagram

type restriction of **xs:string**
facets maxLength 35
source

```
<xs:element name="InvoiceNumber" minOccurs="0">
  <xs:simpleType>
    <xs:restriction base="xs:string">
      <xs:maxLength value="35"/>
    </xs:restriction>
  </xs:simpleType>
</xs:element>
```

complexType **SplitGoodsPlacementType**

diagram

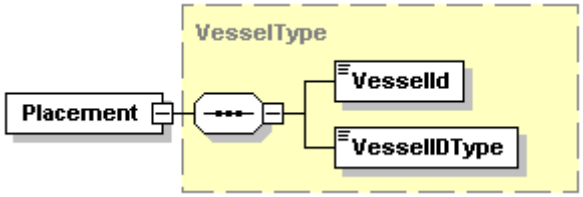


children **Placement** **Weight** **Volume**
used by element **ERINOT/Consignments/Consignment/GoodsItems/GoodsItem/GoodSplitGoodsPlacements/SplitGoodsPlacement**
source

```
<xs:complexType name="SplitGoodsPlacementType">
  <xs:sequence>
    <xs:element name="Placement" type="VesselType"/>
    <xs:element name="Weight" type="WeightType"/>
    <xs:element name="Volume" type="VolumeType" minOccurs="0"/>
  </xs:sequence>
</xs:complexType>
```

element **SplitGoodsPlacementType/Placement**

diagram



type **VesselType**
children **VesselId** **VesselIDType**
source

```
<xs:element name="Placement" type="VesselType"/>
```

element **SplitGoodsPlacementType/Weight**

diagram

type **WeightType**
facets minInclusive 0
maxInclusive 999999999
source

```
<xs:element name="Weight" type="WeightType"/>
```

element **SplitGoodsPlacementType/Volume**

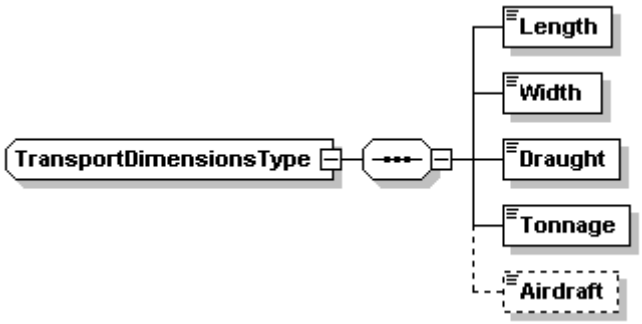
diagram

type **VolumeType**
facets minInclusive 0
maxInclusive 999999999
source

```
<xs:element name="Volume" type="VolumeType" minOccurs="0"/>
```

complexType **TransportDimensionsType**

diagram



children **Length** **Width** **Draught** **Tonnage** **Airdraft**

used by elements **ERINOT/Barges/Barge/BargeDimensions**
ERINOT/Transport/TransportDimensions

source

```
<xs:complexType name="TransportDimensionsType">
  <xs:sequence>
    <xs:element name="Length">
      <xs:simpleType>
        <xs:restriction base="xs:integer">
          <xs:minInclusive value="0"/>
          <xs:maxInclusive value="99999"/>
        </xs:restriction>
      </xs:simpleType>
    </xs:element>
    <xs:element name="Width">
      <xs:simpleType>
        <xs:restriction base="xs:integer">
          <xs:minInclusive value="0"/>
          <xs:maxInclusive value="9999"/>
        </xs:restriction>
      </xs:simpleType>
    </xs:element>
    <xs:element name="Draught">
      <xs:simpleType>
        <xs:restriction base="xs:integer">
          <xs:minInclusive value="0"/>
          <xs:maxInclusive value="9999"/>
        </xs:restriction>
      </xs:simpleType>
    </xs:element>
    <xs:element name="Tonnage">
      <xs:simpleType>
        <xs:restriction base="xs:integer">
          <xs:minInclusive value="0"/>
          <xs:maxInclusive value="99999"/>
        </xs:restriction>
      </xs:simpleType>
    </xs:element>
    <xs:element name="Airdraft" minOccurs="0">
      <xs:simpleType>
        <xs:restriction base="xs:integer">
          <xs:minInclusive value="0000"/>
          <xs:maxInclusive value="9999"/>
        </xs:restriction>
      </xs:simpleType>
    </xs:element>
  </xs:sequence>
</xs:complexType>
```

element **TransportDimensionsType/Length**

diagram

type restriction of **xs:integer**

facets
- minInclusive 0
- maxInclusive 99999

source

```
<xs:element name="Length">
  <xs:simpleType>
    <xs:restriction base="xs:integer">
```

```
      <xs:minInclusive value="0"/>
      <xs:maxInclusive value="99999"/>
    </xs:restriction>
  </xs:simpleType>
</xs:element>
```

element **TransportDimensionsType/Width**

diagram

type restriction of **xs:integer**
facets minInclusive 0
maxInclusive 9999
source

```
<xs:element name="Width">
  <xs:simpleType>
    <xs:restriction base="xs:integer">
      <xs:minInclusive value="0"/>
      <xs:maxInclusive value="9999"/>
    </xs:restriction>
  </xs:simpleType>
</xs:element>
```

element **TransportDimensionsType/Draught**

diagram

type restriction of **xs:integer**
facets minInclusive 0
maxInclusive 9999
source

```
<xs:element name="Draught">
  <xs:simpleType>
    <xs:restriction base="xs:integer">
      <xs:minInclusive value="0"/>
      <xs:maxInclusive value="9999"/>
    </xs:restriction>
  </xs:simpleType>
</xs:element>
```

element **TransportDimensionsType/Tonnage**

diagram

type restriction of **xs:integer**
facets minInclusive 0
maxInclusive 99999
source

```
<xs:element name="Tonnage">
  <xs:simpleType>
    <xs:restriction base="xs:integer">
      <xs:minInclusive value="0"/>
      <xs:maxInclusive value="99999"/>
    </xs:restriction>
  </xs:simpleType>
</xs:element>
```

element **TransportDimensionsType/Airdraft**

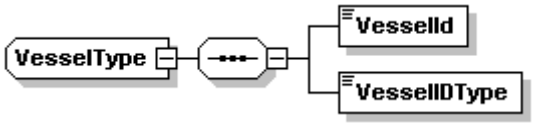
diagram

type restriction of **xs:integer**
facets minInclusive 0000
maxInclusive 9999
source

```
<xs:element name="Airdraft" minOccurs="0">
  <xs:simpleType>
    <xs:restriction base="xs:integer">
      <xs:minInclusive value="0000"/>
      <xs:maxInclusive value="9999"/>
    </xs:restriction>
  </xs:simpleType>
</xs:element>
```

complexType **VesselType**

diagram



children VesselId VesselIDType

used by elements ERINOT/Barges/Barge/BargeId
SplitGoodsPlacementType/Placement
ERINOT/Transport/TransportDetails/Vessel

source

```
<xs:complexType name="VesselType">
  <xs:sequence>
    <xs:element name="VesselId">
      <xs:simpleType>
        <xs:restriction base="xs:string">
          <xs:minLength value="7"/>
          <xs:maxLength value="8"/>
        </xs:restriction>
      </xs:simpleType>
    </xs:element>
    <xs:element name="VesselIDType">
      <xs:simpleType>
        <xs:restriction base="xs:string">
          <xs:length value="3"/>
          <xs:enumeration value="OFS"/>
          <xs:enumeration value="ERN"/>
          <xs:enumeration value="IMO"/>
        </xs:restriction>
      </xs:simpleType>
    </xs:element>
  </xs:sequence>
</xs:complexType>
```

element **VesselType/VesselId**

diagram

type restriction of **xs:string**

facets minLength 7
maxLength 8

source

```
<xs:element name="VesselId">
  <xs:simpleType>
    <xs:restriction base="xs:string">
      <xs:minLength value="7"/>
      <xs:maxLength value="8"/>
    </xs:restriction>
  </xs:simpleType>
</xs:element>
```

element **VesselType/VesselIDType**

diagram

type restriction of **xs:string**

facets length 3
enumeration OFS
enumeration ERN
enumeration IMO

source

```
<xs:element name="VesselIDType">
  <xs:simpleType>
    <xs:restriction base="xs:string">
      <xs:length value="3"/>
      <xs:enumeration value="OFS"/>
      <xs:enumeration value="ERN"/>
      <xs:enumeration value="IMO"/>
    </xs:restriction>
  </xs:simpleType>
</xs:element>
```

simpleType **HandlingType**

type restriction of **xs:string**
used by element **ERINOT/Consignments/Consignment/CargoHandeling**
facets enumeration T
enumeration LLO
enumeration LDI
enumeration TSP

```
source <xs:simpleType name="HandlingType">
         <xs:restriction base="xs:string">
           <xs:enumeration value="T"/>
           <xs:enumeration value="LLO"/>
           <xs:enumeration value="LDI"/>
           <xs:enumeration value="TSP"/>
         </xs:restriction>
       </xs:simpleType>
```

simpleType **HSCodeType**

type restriction of **xs:string**
used by elements **ERINOT/Consignments/Consignment/GoodsItems/GoodsItem/AdditionalInfo/HSCode**
ERINOT/Consignments/Consignment/GoodsItems/GoodsItem/GoodsDescription/HSCode
facets minLength 6
maxLength 10

```
source <xs:simpleType name="HSCodeType">
         <xs:restriction base="xs:string">
           <xs:minLength value="6"/>
           <xs:maxLength value="10"/>
         </xs:restriction>
       </xs:simpleType>
```

simpleType **VolumeType**

type restriction of **xs:integer**
used by elements **SplitGoodsPlacementType/Volume**
ContainerStowageType/Volume
facets minInclusive 0
maxInclusive 999999999

```
source <xs:simpleType name="VolumeType">
         <xs:restriction base="xs:integer">
           <xs:maxInclusive value="999999999"/>
           <xs:minInclusive value="0"/>
         </xs:restriction>
       </xs:simpleType>
```

simpleType **WeightType**

type restriction of **xs:integer**
used by elements **SplitGoodsPlacementType/Weight**
ContainerStowageType/Weight
facets minInclusive 0
maxInclusive 999999999

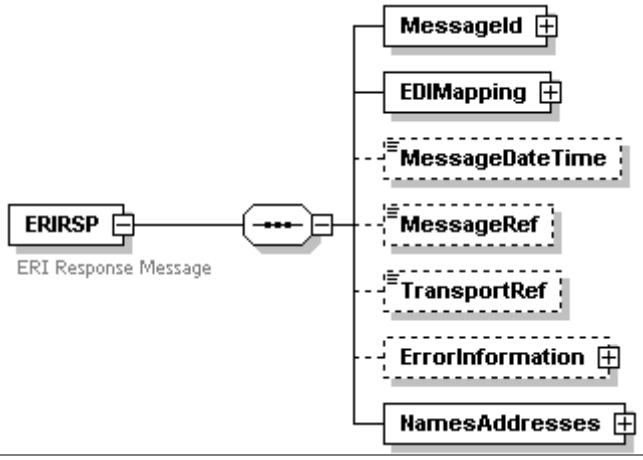
```
source <xs:simpleType name="WeightType">
         <xs:restriction base="xs:integer">
           <xs:minInclusive value="0"/>
           <xs:maxInclusive value="999999999"/>
         </xs:restriction>
       </xs:simpleType>
```

3.2 Schema ERIRSP V2.4.xsd

Elements	Complex types
ERIRSP	CommsContactType
	MessageIdType
	NameAddressType

element **ERIRSP**

diagram



children MessageId EDIMapping MessageDateTime MessageRef TransportRef ErrorInformation NamesAddresses

attributes

Name	Type	Use	Default	Fixed	Annotation
VersionMajor	xs:integer	required			
VersionMinor	xs:integer	required			

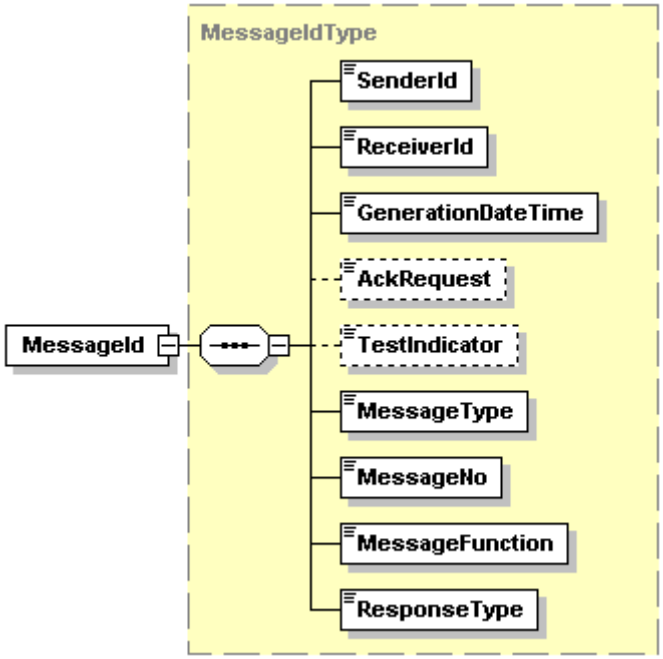
annotation documentation ERI Response Message

source

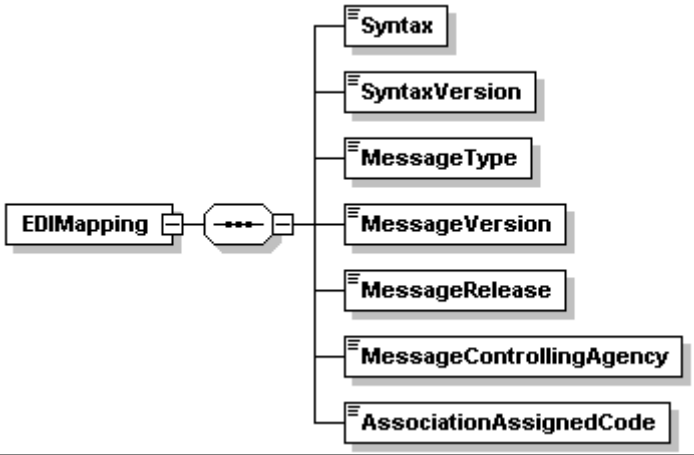
```
<xs:element name="ERIRSP">
 <xs:annotation>
  <xs:documentation>ERI Response Message</xs:documentation>
 </xs:annotation>
 <xs:complexType>
  <xs:sequence>
   <xs:element name="MessageId" type="MessageIdType"/>
   <xs:element name="EDIMapping">
    <xs:complexType>
     <xs:sequence>
      <xs:element name="Syntax" type="xs:string"/>
      <xs:element name="SyntaxVersion" type="xs:string"/>
      <xs:element name="MessageType" type="xs:string"/>
      <xs:element name="MessageVersion" type="xs:string"/>
      <xs:element name="MessageRelease" type="xs:string"/>
      <xs:element name="MessageControllingAgency" type="xs:string"/>
      <xs:element name="AssociationAssignedCode" type="xs:string"/>
     </xs:sequence>
    </xs:complexType>
   </xs:element>
   <xs:element name="MessageDateTime" type="xs:dateTime" minOccurs="0"/>
   <xs:element name="MessageRef" minOccurs="0">
    <xs:simpleType>
     <xs:restriction base="xs:string">
```

```
          <xs:maxLength value="15"/>
        </xs:restriction>
      </xs:simpleType>
    </xs:element>
    <xs:element name="TransportRef" minOccurs="0">
      <xs:simpleType>
        <xs:restriction base="xs:string">
          <xs:maxLength value="35"/>
        </xs:restriction>
      </xs:simpleType>
    </xs:element>
    <xs:element name="ErrorInformation" minOccurs="0">
      <xs:complexType>
        <xs:sequence>
          <xs:element name="ErrorCode">
            <xs:simpleType>
              <xs:restriction base="xs:string">
                <xs:maxLength value="8"/>
              </xs:restriction>
            </xs:simpleType>
          </xs:element>
          <xs:element name="ErrorDescription" maxOccurs="5">
            <xs:simpleType>
              <xs:restriction base="xs:string">
                <xs:maxLength value="70"/>
              </xs:restriction>
            </xs:simpleType>
          </xs:element>
        </xs:sequence>
      </xs:complexType>
    </xs:element>
    <xs:element name="NamesAddresses">
      <xs:complexType>
        <xs:sequence>
          <xs:element name="NameAddress" type="NameAddressType"/>
          <xs:element name="CommsContact" type="CommsContactType" minOccurs="0"/>
        </xs:sequence>
      </xs:complexType>
    </xs:element>
  </xs:sequence>
  <xs:attribute name="VersionMajor" type="xs:integer" use="required"/>
  <xs:attribute name="VersionMinor" type="xs:integer" use="required"/>
 </xs:complexType>
</xs:element>
```

element **ERIRSP/MessageId**

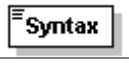
diagram	
type	MessageIdType
children	SenderId ReceiverId GenerationDateTime AckRequest TestIndicator MessageType MessageNo MessageFunction ResponseType
source	<xs:element name="MessageId" type="MessageIdType"/>

element **ERIRSP/EDIMapping**

diagram	
children	Syntax SyntaxVersion MessageType MessageVersion MessageRelease MessageControllingAgency AssociationAssignedCode
source	<xs:element name="EDIMapping"> <xs:complexType> <xs:sequence> <xs:element name="Syntax" type="xs:string"/> <xs:element name="SyntaxVersion" type="xs:string"/> <xs:element name="MessageType" type="xs:string"/> <xs:element name="MessageVersion" type="xs:string"/> <xs:element name="MessageRelease" type="xs:string"/> <xs:element name="MessageControllingAgency" type="xs:string"/> <xs:element name="AssociationAssignedCode" type="xs:string"/> </xs:sequence>

	</xs:complexType> </xs:element>

element **ERIRSP/EDIMapping/Syntax**

diagram	
type	**xs:string**
source	<xs:element name="Syntax" type="xs:string"/>

element **ERIRSP/EDIMapping/SyntaxVersion**

diagram	
type	**xs:string**
source	<xs:element name="SyntaxVersion" type="xs:string"/>

element **ERIRSP/EDIMapping/MessageType**

diagram	
type	**xs:string**
source	<xs:element name="MessageType" type="xs:string"/>

element **ERIRSP/EDIMapping/MessageVersion**

diagram	
type	**xs:string**
source	<xs:element name="MessageVersion" type="xs:string"/>

element **ERIRSP/EDIMapping/MessageRelease**

diagram	
type	**xs:string**
source	<xs:element name="MessageRelease" type="xs:string"/>

element **ERIRSP/EDIMapping/MessageControllingAgency**

diagram	
type	**xs:string**
source	<xs:element name="MessageControllingAgency" type="xs:string"/>

element **ERIRSP/EDIMapping/AssociationAssignedCode**

diagram	
type	**xs:string**
source	<xs:element name="AssociationAssignedCode" type="xs:string"/>

element **ERIRSP/MessageDateTime**

diagram	
type	**xs:dateTime**
source	<xs:element name="MessageDateTime" type="xs:dateTime" minOccurs="0"/>

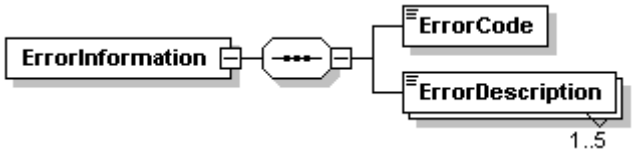
element **ERIRSP/MessageRef**

diagram	
type	restriction of **xs:string**
facets	maxLength 15
source	<xs:element name="MessageRef" minOccurs="0"> <xs:simpleType> <xs:restriction base="xs:string"> <xs:maxLength value="15"/> </xs:restriction> </xs:simpleType> </xs:element>

element **ERIRSP/TransportRef**

diagram	
type	restriction of **xs:string**
facets	maxLength 35
source	<xs:element name="TransportRef" minOccurs="0"> <xs:simpleType> <xs:restriction base="xs:string"> <xs:maxLength value="35"/> </xs:restriction> </xs:simpleType> </xs:element>

element **ERIRSP/ErrorInformation**

diagram	
children	**ErrorCode ErrorDescription**
source	<xs:element name="ErrorInformation" minOccurs="0"> <xs:complexType> <xs:sequence> <xs:element name="ErrorCode"> <xs:simpleType> <xs:restriction base="xs:string"> <xs:maxLength value="8"/> </xs:restriction> </xs:simpleType>

```
    </xs:element>
    <xs:element name="ErrorDescription" maxOccurs="5">
     <xs:simpleType>
      <xs:restriction base="xs:string">
       <xs:maxLength value="70"/>
      </xs:restriction>
     </xs:simpleType>
    </xs:element>
   </xs:sequence>
  </xs:complexType>
</xs:element>
```

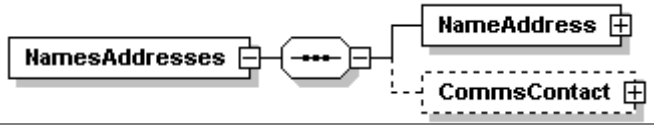
element **ERIRSP/ErrorInformation/ErrorCode**

diagram	
type	restriction of **xs:string**
facets	maxLength 8
source	<xs:element name="ErrorCode"> <xs:simpleType> <xs:restriction base="xs:string"> <xs:maxLength value="8"/> </xs:restriction> </xs:simpleType> </xs:element>

element **ERIRSP/ErrorInformation/ErrorDescription**

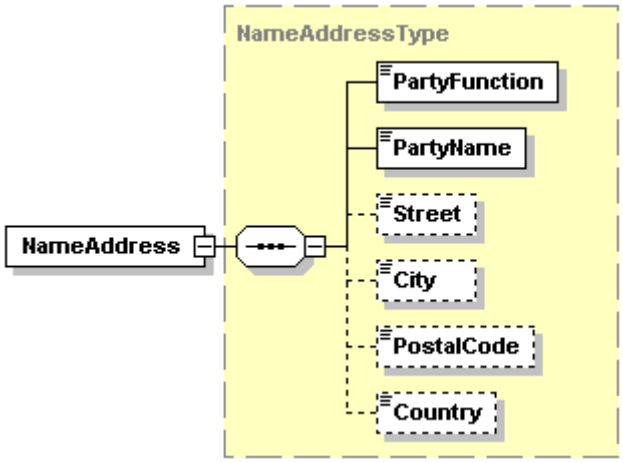
diagram	
type	restriction of **xs:string**
facets	maxLength 70
source	<xs:element name="ErrorDescription" maxOccurs="5"> <xs:simpleType> <xs:restriction base="xs:string"> <xs:maxLength value="70"/> </xs:restriction> </xs:simpleType> </xs:element>

element **ERIRSP/NamesAddresses**

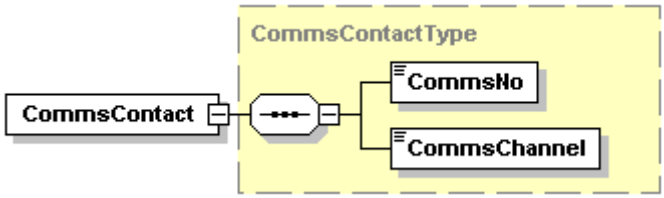
diagram	
children	**NameAddress CommsContact**
source	<xs:element name="NamesAddresses"> <xs:complexType> <xs:sequence> <xs:element name="NameAddress" type="NameAddressType"/> <xs:element name="CommsContact" type="CommsContactType" minOccurs="0"/> </xs:sequence>

```
  </xs:complexType>
</xs:element>
```

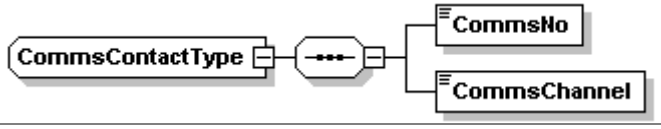
element **ERIRSP/NamesAddresses/NameAddress**

diagram	
type	NameAddressType
children	PartyFunction PartyName Street City PostalCode Country
source	<xs:element name="NameAddress" type="NameAddressType"/>

element **ERIRSP/NamesAddresses/CommsContact**

diagram	
type	CommsContactType
children	CommsNo CommsChannel
source	<xs:element name="CommsContact" type="CommsContactType" minOccurs="0"/>

complexType **CommsContactType**

diagram	
children	CommsNo CommsChannel
used by	element ERIRSP/NamesAddresses/CommsContact
source	<xs:complexType name="CommsContactType"> <xs:sequence> <xs:element name="CommsNo"> <xs:simpleType> <xs:restriction base="xs:string"> <xs:maxLength value="70"/> </xs:restriction> </xs:simpleType> </xs:element>

```
    <xs:element name="CommsChannel">
     <xs:simpleType>
      <xs:restriction base="xs:string">
       <xs:maxLength value="3"/>
       <xs:enumeration value="TE"/>
       <xs:enumeration value="FX"/>
       <xs:enumeration value="EM"/>
       <xs:enumeration value="EI"/>
      </xs:restriction>
     </xs:simpleType>
    </xs:element>
   </xs:sequence>
</xs:complexType>
```

element **CommsContactType/CommsNo**

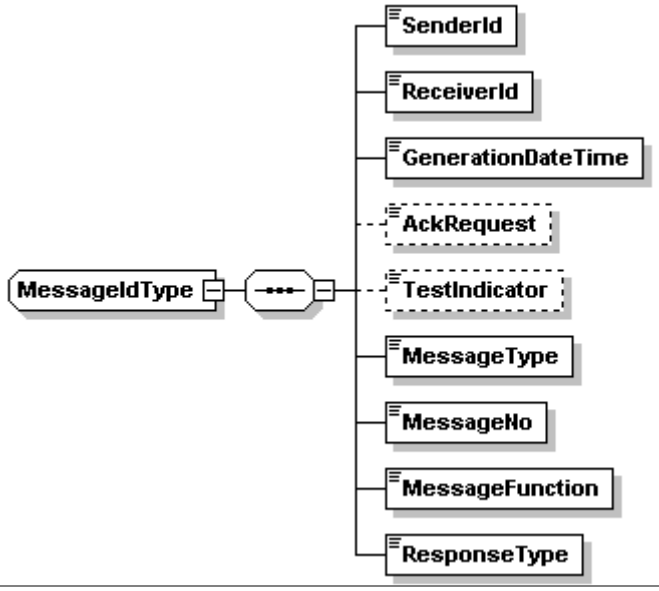
diagram	
type	restriction of **xs:string**
facets	maxLength 70
source	<xs:element name="CommsNo"> <xs:simpleType> <xs:restriction base="xs:string"> <xs:maxLength value="70"/> </xs:restriction> </xs:simpleType> </xs:element>

element **CommsContactType/CommsChannel**

diagram	
type	restriction of **xs:string**
facets	maxLength 3 enumeration TE enumeration FX enumeration EM enumeration EI
source	<xs:element name="CommsChannel"> <xs:simpleType> <xs:restriction base="xs:string"> <xs:maxLength value="3"/> <xs:enumeration value="TE"/> <xs:enumeration value="FX"/> <xs:enumeration value="EM"/> <xs:enumeration value="EI"/> </xs:restriction> </xs:simpleType> </xs:element>

complexType **MessageIdType**

diagram



children **SenderId** **ReceiverId** **GenerationDateTime** **AckRequest** **TestIndicator** **MessageType** **MessageNo** **MessageFunction** **ResponseType**

used by element **ERIRSP/MessageId**

source

```
<xs:complexType name="MessageIdType">
 <xs:sequence>
  <xs:element name="SenderId">
   <xs:simpleType>
    <xs:restriction base="xs:string">
     <xs:maxLength value="25"/>
    </xs:restriction>
   </xs:simpleType>
  </xs:element>
  <xs:element name="ReceiverId">
   <xs:simpleType>
    <xs:restriction base="xs:string">
     <xs:maxLength value="25"/>
    </xs:restriction>
   </xs:simpleType>
  </xs:element>
  <xs:element name="GenerationDateTime">
   <xs:simpleType>
    <xs:restriction base="xs:string">
     <xs:length value="10"/>
    </xs:restriction>
   </xs:simpleType>
  </xs:element>
  <xs:element name="AckRequest" minOccurs="0">
   <xs:simpleType>
    <xs:restriction base="xs:string">
     <xs:maxLength value="1"/>
     <xs:enumeration value="1"/>
    </xs:restriction>
   </xs:simpleType>
```

```
    </xs:element>
    <xs:element name="TestIndicator" minOccurs="0">
      <xs:simpleType>
        <xs:restriction base="xs:string">
          <xs:maxLength value="1"/>
          <xs:enumeration value="1"/>
        </xs:restriction>
      </xs:simpleType>
    </xs:element>
    <xs:element name="MessageType">
      <xs:simpleType>
        <xs:restriction base="xs:string">
          <xs:maxLength value="3"/>
          <xs:enumeration value="VES"/>
          <xs:enumeration value="CAR"/>
          <xs:enumeration value="PAS"/>
        </xs:restriction>
      </xs:simpleType>
    </xs:element>
    <xs:element name="MessageNo">
      <xs:simpleType>
        <xs:restriction base="xs:string">
          <xs:maxLength value="15"/>
        </xs:restriction>
      </xs:simpleType>
    </xs:element>
    <xs:element name="MessageFunction">
      <xs:simpleType>
        <xs:restriction base="xs:integer">
          <xs:enumeration value="9"/>
        </xs:restriction>
      </xs:simpleType>
    </xs:element>
    <xs:element name="ResponseType">
      <xs:simpleType>
        <xs:restriction base="xs:string">
          <xs:length value="2"/>
          <xs:enumeration value="AP"/>
          <xs:enumeration value="RE"/>
        </xs:restriction>
      </xs:simpleType>
    </xs:element>
  </xs:sequence>
</xs:complexType>
```

element **MessageIdType/SenderId**

diagram	
type	restriction of **xs:string**
facets	maxLength 25
source	`<xs:element name="SenderId">` `  <xs:simpleType>`

```
    <xs:restriction base="xs:string">
      <xs:maxLength value="25"/>
    </xs:restriction>
  </xs:simpleType>
</xs:element>
```

element **MessageIdType/ReceiverId**

diagram	
type	restriction of **xs:string**
facets	maxLength 25

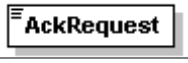
```
<xs:element name="ReceiverId">
  <xs:simpleType>
    <xs:restriction base="xs:string">
      <xs:maxLength value="25"/>
    </xs:restriction>
  </xs:simpleType>
</xs:element>
```

element **MessageIdType/GenerationDateTime**

diagram	
type	restriction of **xs:string**
facets	length 10

```
<xs:element name="GenerationDateTime">
  <xs:simpleType>
    <xs:restriction base="xs:string">
      <xs:length value="10"/>
    </xs:restriction>
  </xs:simpleType>
</xs:element>
```

element **MessageIdType/AckRequest**

diagram	
type	restriction of **xs:string**
facets	maxLength 1 enumeration 1

```
<xs:element name="AckRequest" minOccurs="0">
  <xs:simpleType>
    <xs:restriction base="xs:string">
      <xs:maxLength value="1"/>
      <xs:enumeration value="1"/>
    </xs:restriction>
  </xs:simpleType>
</xs:element>
```

element **MessageIdType/TestIndicator**

diagram	
type	restriction of **xs:string**
facets	maxLength 1 enumeration 1
source	<xs:element name="TestIndicator" minOccurs="0"> <xs:simpleType> <xs:restriction base="xs:string"> <xs:maxLength value="1"/> <xs:enumeration value="1"/> </xs:restriction> </xs:simpleType> </xs:element>

element **MessageIdType/MessageType**

diagram	
type	restriction of **xs:string**
facets	maxLength 3 enumeration VES enumeration CAR enumeration PAS
source	<xs:element name="MessageType"> <xs:simpleType> <xs:restriction base="xs:string"> <xs:maxLength value="3"/> <xs:enumeration value="VES"/> <xs:enumeration value="CAR"/> <xs:enumeration value="PAS"/> </xs:restriction> </xs:simpleType> </xs:element>

element **MessageIdType/MessageNo**

diagram	
type	restriction of **xs:string**
facets	maxLength 15
source	<xs:element name="MessageNo"> <xs:simpleType> <xs:restriction base="xs:string"> <xs:maxLength value="15"/> </xs:restriction> </xs:simpleType> </xs:element>

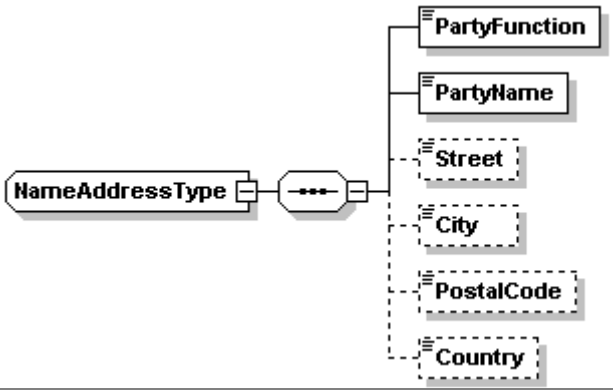
element **MessageIdType/MessageFunction**

diagram	
type	restriction of **xs:integer**
facets	enumeration 9
source	<xs:element name="MessageFunction"> <xs:simpleType> <xs:restriction base="xs:integer"> <xs:enumeration value="9"/> </xs:restriction> </xs:simpleType> </xs:element>

element **MessageIdType/ResponseType**

diagram	
type	restriction of **xs:string**
facets	length 2 enumeration AP enumeration RE
source	<xs:element name="ResponseType"> <xs:simpleType> <xs:restriction base="xs:string"> <xs:length value="2"/> <xs:enumeration value="AP"/> <xs:enumeration value="RE"/> </xs:restriction> </xs:simpleType> </xs:element>

complexType **NameAddressType**

diagram	
children	PartyFunction PartyName Street City PostalCode Country
used by	element ERIRSP/NamesAddresses/NameAddress
source	<xs:complexType name="NameAddressType"> <xs:sequence> <xs:element name="PartyFunction">

```
      <xs:simpleType>
        <xs:restriction base="xs:string">
          <xs:maxLength value="3"/>
          <xs:enumeration value="MS"/>
          <xs:enumeration value="CG"/>
          <xs:enumeration value="SF"/>
          <xs:enumeration value="ST"/>
        </xs:restriction>
      </xs:simpleType>
    </xs:element>
    <xs:element name="PartyName">
      <xs:simpleType>
        <xs:restriction base="xs:string">
          <xs:maxLength value="35"/>
        </xs:restriction>
      </xs:simpleType>
    </xs:element>
    <xs:element name="Street" minOccurs="0">
      <xs:simpleType>
        <xs:restriction base="xs:string">
          <xs:maxLength value="35"/>
        </xs:restriction>
      </xs:simpleType>
    </xs:element>
    <xs:element name="City" minOccurs="0">
      <xs:simpleType>
        <xs:restriction base="xs:string">
          <xs:maxLength value="35"/>
        </xs:restriction>
      </xs:simpleType>
    </xs:element>
    <xs:element name="PostalCode" minOccurs="0">
      <xs:simpleType>
        <xs:restriction base="xs:string">
          <xs:maxLength value="9"/>
        </xs:restriction>
      </xs:simpleType>
    </xs:element>
    <xs:element name="Country" minOccurs="0">
      <xs:simpleType>
        <xs:restriction base="xs:string">
          <xs:minLength value="2"/>
          <xs:maxLength value="3"/>
        </xs:restriction>
      </xs:simpleType>
    </xs:element>
  </xs:sequence>
</xs:complexType>
```

element **NameAddressType/PartyFunction**

diagram	

type	restriction of **xs:string**
facets	maxLength 3 enumeration MS enumeration CG enumeration SF enumeration ST
source	<xs:element name="PartyFunction"> <xs:simpleType> <xs:restriction base="xs:string"> <xs:maxLength value="3"/> <xs:enumeration value="MS"/> <xs:enumeration value="CG"/> <xs:enumeration value="SF"/> <xs:enumeration value="ST"/> </xs:restriction> </xs:simpleType> </xs:element>

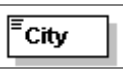
element **NameAddressType/PartyName**

diagram	
type	restriction of **xs:string**
facets	maxLength 35
source	<xs:element name="PartyName"> <xs:simpleType> <xs:restriction base="xs:string"> <xs:maxLength value="35"/> </xs:restriction> </xs:simpleType> </xs:element>

element **NameAddressType/Street**

diagram	
type	restriction of **xs:string**
facets	maxLength 35
source	<xs:element name="Street" minOccurs="0"> <xs:simpleType> <xs:restriction base="xs:string"> <xs:maxLength value="35"/> </xs:restriction> </xs:simpleType> </xs:element>

element **NameAddressType/City**

diagram	
type	restriction of **xs:string**
facets	maxLength 35
source	<xs:element name="City" minOccurs="0">

```
  <xs:simpleType>
   <xs:restriction base="xs:string">
    <xs:maxLength value="35"/>
   </xs:restriction>
  </xs:simpleType>
</xs:element>
```

element **NameAddressType/PostalCode**

diagram	
type	restriction of **xs:string**
facets	maxLength 9
source	<xs:element name="PostalCode" minOccurs="0"> <xs:simpleType> <xs:restriction base="xs:string"> <xs:maxLength value="9"/> </xs:restriction> </xs:simpleType> </xs:element>

element **NameAddressType/Country**

diagram	
type	restriction of **xs:string**
facets	minLength 2 maxLength 3
source	<xs:element name="Country" minOccurs="0"> <xs:simpleType> <xs:restriction base="xs:string"> <xs:minLength value="2"/> <xs:maxLength value="3"/> </xs:restriction> </xs:simpleType> </xs:element>

XML Schema documentation generated with **XMLSPY** Schema Editor
http://www.altova.com/xmlspy

4. EDI – XML Mapping

4.1 ERINOT XML Mapping

The following table describes the ERI Notification message in EDI format. The last column (8) defines the XML mapping. Together with the scheme definition this should give sufficient information in order to develop a conversion tool.

Segment Group	Segment Composite data element (C) Data element TAG	Level	Mandatory Conditional	Format	Name	Description Qualifiers in notation marks	XML Mapping
1	2	3	4	5	6	7	8
	UNB	0	M		**INTERCHANGE HEADER**		
	S001		M		SYNTAX IDENTIFIER		
	0001		M	a4	Syntax identifier	“UNOA” Controlling agency	<EDIMapping> <Syntax>
	0002		M	n1	Syntax version number	“2”	<EDIMapping> <SyntaxVersion>
	S002		M		INTERCHANGE SENDER		
	0004		M	an..35 (an25)	Sender identification	Mailbox number or unique name	<MessageId> <SenderId>
	0007		C	an..4	Partner identification code qualifier	n.a.	
	0008		C	an..14	Address for reverse routing	n.a.	
	S003		M		INTERCHANGE RECIPIENT		
	0010		M	an..35 (an25)	Recipient identification	Mailbox number or unique name	<MessageId> <ReceiverId>
	0007		C	an..4	Partner identification code qualifier	n.a.	
	0014		C	an..14	Routing address	n.a.	
	S004		M		DATE / TIME OF PREPARATION		
	0017		M	n6	Date	Generation date, YYMMDD	<MessageId> <GenerationDateTime>
	0019		M	n4	Time	Generation time, HHMM	<MessageId> <GenerationDateTime>
	0020		M	an..14	Interchange control reference	First 14 positions of the message reference number.	
	S005		C		RECIPIENTS REFERENCE, PASSWORD		
	0022			an..14	Recipient’s reference / password	n.a.	
	0025			an2	Recipient’s reference, password qualifier	n.a.	
	0026			an..14	Application reference	n.a.	
	0029			a1	Processing priority code	n.a.	
	0031		C	n1	Acknowledgement request	“1” = Sender wishes receipt notification	<MessageId> <AckRequest>

Segment Group	Segment Composite data element (C) Data element TAG	Level	Mandatory Conditional	Format	Name	Description Qualifiers in notation marks	XML Mapping
1	2	3	4	5	6	7	8
	0032			an..35	Communications agreement id	n.a.	
	0035		C	n1	Test indicator	“1” = The interchange relates to a test message	<MessageId> <TestIndicator>
	UNH	0	M		**MESSAGE HEADER**	Identification, specification and heading of a message	
	0062		M	an..14	Message reference number	First 14 positions of the message reference number.	
	S009		M		MESSAGE IDENTIFIER		
	0065		M	an..6	Message type	“IFTDGN”, message type	<EDIMapping> <Messagetype>
	0052		M	an..3	Message version number	“D”,	<EDIMapping> <MessageVersion>
	0054		M	an..3	Message release number	“98B”	<EDIMapping> <MessageRelease>
	0051		M	an..2	Controlling agency	“UN”,	<EDIMapping> <MessageControllingAgency>
	0057		M	an..6	Association assigned code	“PROT10”, Protect version 1.0	<EDIMapping> <AssociationAssignedCode>
	0068			an..35	Common access reference	n.a.	
	S010				STATUS OF THE TRANSFER		
	0070			n..2	Sequence of transfers	n.a.	
	0073			a1	First and last transfer	n.a.	

Segment Group	Segment Composite data element (C) Data element TAG	Level	Mandatory Conditional	Format	Name	Description Qualifiers in notation marks	XML Mapping
1	2	3	4	5	6	7	8
	BGM	0	M		**BEGINNING OF MESSAGE**	Identification of the type and function of the message	
	C002		M		DOCUMENT / MESSAGE NAME		
	1001		M	an..3	Document / message name code	**Type** of Message: “VES”, from vessel to RIS authority message; “CAR”, from carrier to RIS authority message , passage report from RIS authority to RIS authority	<MessageId> <MessageType>
	1131			an..3	Code list qualifier	n.a.	
	3055			an..3	Code list responsible agency	n.a.	
	1000			an..35	Document / message name	n.a.	
	C106		M		DOCUMENT / MESSAGE IDENTIFICATION		
	1004		M	an..35 (an15)	Document identifier	Message reference number. This number should be as unique as possible, both for sender and for receiver. If a message is received and then passed on to another receiver, the original message reference number should be used. The transitional system should in this case not generate another message reference number	<MessageId> <MessageNo>
	1056			an..9	Version	n.a.	
	1060			an..6	Revision number	n.a.	
	1225		M	an..3	Message function code	**Function** of message: “1” = cancellation message “9” = new message, “5” = modification message	<MessageId> <MessageFunction>
	4343		C	an..3	Response type code	n.a.	

Segment Group	Segment Composite data element (C) Data element TAG	Level	Mandatory Conditional	Format	Name	Description Qualifiers in notation marks	XML Mapping
1	2	3	4	5	6	7	8
	FTX (1)	1	C		**FREE TEXT**	To notify the number of **persons on board** and the number of **blue cones**	
	4451		M	an..3	Text subject code qualifier	**"**SAF" for safety explanation	
	4453			an..3	Free text function code	n.a.	
	C107				TEXT REFERENCE		
	4441			an..17	Free text identification	n.a.	
	1131			an..3	Code list qualifier	n.a.	
	3055			an..3	Code list responsible agency	n.a.	
	C108		M		TEXT LITERAL	Text	
	4440		M	an.. 70 (n4)	Free text	Number of persons on board	<SafetyExplanation> <PersonsOnBoard>
	4440		C	an.. 70 (an1)	Free text	'0', '1', '2', '3' for number of cones (inland vessel) , "B" for red signal flag (maritime vessel), "V" for specal permit	<SafetyExplanation> <Signalling>
	4440		C	an.. 70 (n4)	Free text	Number of passengers	<SafetyExplanation> <PassengersOnBoard>
	4440			an.. 70	Free text	n.a.	
	4440			an.. 70	Free text	n.a.	
	3453			an.. 3	Language, coded	n.a.	
	4447			an..3	Text formatting, coded	n.a.	
	FTX (2)	1	C		**FREE TEXT**	**To indicate whether the information in the message may be forwarded by the receiver to other authorities**	
	4451		M	an..3	Text subject code qualifier	"ACK" for "Privacy statement" or "Confidential nature"	
	4453			an..3	Free text function code	n.a.	
	C107				TEXT REFERENCE		
	4441			an..17	Free text identification	n.a.	
	1131			an..3	Code list qualifier	n.a.	
	3055			an..3	Code list responsible agency	n.a.	
	C108		M		TEXT LITERAL		
	4440		M	an..70 (a1)	Free text	"Y" = Yes, "N" = No	<PrivacyStatement>
	4440			an..70	Free text	n.a.	
	4440			an..70	Free text	n.a.	
	4440			an..70	Free text	n.a.	
	4440			an..70	Free text	n.a.	
	3453			an..3	Language, coded	n.a.	
	4447			an..3	Text formatting, coded	n.a.	

Segment Group	Segment Composite data element (C) Data element TAG	Level	Mandatory Conditional	Format	Name	Description Qualifiers in notation marks	XML Mapping
1	2	3	4	5	6	7	8
	FTX		C		**FREE TEXT**	**Reason for cancellation**	
	4451		M	an..3	Text subject code qualifier	“ACD” cancellation reason	????
	4453			an..3	Free text function code	n.a.	
	C107		M		TEXT REFERENCE	Text identification	
	4441			an..17	Free text identification	“CAM” mistake in notification “CAO” transport does not take place “CAV” the main transport destination has changed “CHD” the time of arrival has changed	
	1131			an..3	Code list qualifier	n.a.	
	3055			an..3	Code list responsible agency	n.a.	
	C108		M				
	4440		M	an..70	Free text	Free description of the reason	<PrivacyStatement>
	4440		C	an..70	Free text	Free text for further explanation	
	4440		C	an..70	Free text	Free text for further explanation	
	4440		C	an..70	Free text	Free text for further explanation	
	4440		C	an..70	Free text	Free text for further explanation	
	3453		C	an..3	Language, coded	n.a.	
	4447		C	an..3	Text formatting, coded	n.a.	
	HAN(1)	1	D				
	C524		M		HANDLING INSTUCTIONS		????
	4079		M		Handling instructions, coded	Default “T’ T = Transit LLO = Loading LDI = Unloading TSP= Transit in the same port	<GoodsItems> <GoodsItem> <DangerousGoodsInfo> <DangerousGoods> <HazardPlacard>
	1131		C		Code list qualifier	n.a.	
	3055		C		Code list responsible agency, coded	n.a.	
	4078		C		Handling intructions	n.a.	
	C218		C		HAZERDOUS MATERIAL	n.a.	
	7419		C		Hazardous material class code, indentification	n.a.	
	1131		C		Code list qualifier	n.a.	
	3055		C		Code list responsible agency, coded	n.a.	
	7418		C		Hazerdous material class	n.a.	

Segment Group	Segment Composite data element (C) Data element TAG	Level	Mandatory Conditional	Format	Name	Description Qualifiers in notation marks	XML Mapping
1	2	3	4	5	6	7	8
	RFF (1)	1	C		**REFERENCE**	Reference to the message for which the current message is a **replacement**. Mandatory if the message is a modification or cancellation message	
	C506		M		REFERENCE		
	1153		M	an..3	Reference qualifier	"ACW" for reference number to previous message	
	1154		M	an..35 (an15)	Reference number	Message reference number from BGM, TAG 1004 of the message this message replaces.	<MessageRef>
	1156			an..6	Line number	n.a.	
	4000			an..35	Reference version number	n.a.	
	1060			an..6	Revision number	n.a.	
	RFF (2)	1	C		**REFERENCE**	Reference to **transport document**	
	C506		M		REFERENCE		
	1153		M	an..3	Reference qualifier	"FF" for "freight forwarder´s reference number"	
	1154		M	an..35	Reference number	Reference number of the transport document	<TransportDocRef>
	1156		C	an..6	Line number	n.a.	
	4000		C	an..35	Reference version number	n.a.	
	1060		C	an..6	Revision number	n.a.	
	RFF (3)	1	C		**REFERENCE**	Reference to a **test scenario**	
	C506		M		REFERENCE		
	1153		M	an..3	Reference qualifier	"ADD" for test number	
	1154		M	an..35	Reference number	Test scenario identification, which should be known at the receiving party	<TestScenarioRef>
	1156			an..6	Line number	n.a.	
	4000			an..35	Reference version number	n.a.	
	1060		C	an..6	Revision number	n.a.	

Segment Group	Segment Composite data element (C) Data element TAG	Level	Mandatory Conditional	Format	Name	Description Qualifiers in notation marks	XML Mapping
1	2	3	4	5	6	7	8
TDT	**TDT**	1	M		**DETAILS OF TRANSPORT**	Specification of the means of transport, the **naming vessel within a convoy** (a single vessel without barge is also a convoy in this context)	
	8051		M	an..3	Transport stage code qualifier	"20" for main carriage transport	<Transport> <TransportDetails StageQualifier="20">
	8028		C	an..17	Conveyance reference number	Voyage number, defined by sender of the message.	<Transport> <TransportDetails StageQualifier="20"> <VoyageNo>
	C220		M		MODE OF TRANSPORT		
	8067		M	an..3	Mode of transport, coded	"8" for Inland water transport", "1" for maritime transport (see UN/ECE Rec. 19)	<Transport> <TransportDetails StageQualifier="20"> <TransportMode>
	8066			an..17	Mode of transport	n.a.	
	C228		M		TRANSPORT MEANS		
	8179		M	an..8 (an4)	Type of means of transport identification, **convoy type**	Code for ship and convoy types of means of transport from UN/CEFACT Rec. 28, see Annex 4, No. 1	<Transport> <TransportDetails StageQualifier="20"> <TransportMeans>
	8178			an..17	Type of means of transport	n.a.	
	C040				CARRIER	n.a.	
	3127			an..17	Carrier identification	n.a.	
	1131			an..3	Code list qualifier	n.a.	
	3055			an..3	Code list responsible agency	n.a.	
	3128			an..35	Carrier name	n.a.	
	8101			an..3	Transit direction, coded	n.a.	
	C401				EXCESS TRANSPORTATION INFORMATION		
	8457			an..3	Excess transportation reason	n.a.	
	8459			an..3	Excess transportation responsibility	n.a.	
	7130			an..17	Customer authorization number	n.a.	
	C222		M		TRANSPORT IDENTIFICATION		
	8213		M	an..9 (an7..8)	ID. of means of transport identification	**Ship number**: 7 digits for OFS or IMO indication, 8 digits for ERI indication	<Transport> <TransportDetails StageQualifier="20"> <Vessel> <VesselId>
	1131		M	an..3	Code list qualifier	"OFS" for a Official Ship Number of CCNR system, see Annex 4, No. 2 "IMO" for an IMO-number, see Annex 4, No. 3 "ERN" for all other ships (Electronic Reporting International Number), see Annex 4, No. 4	<Transport> <TransportDetails StageQualifier="20"> <Vessel> <VesselIDType>
	3055			an..3	Code list responsible agency	n.a.	
	8212		M	an..35	Id. Of the means of transport	**Name of the ship;** If the name results in more	<Transport>

Segment Group	Segment Composite data element (C) Data element TAG	Level	Mandatory Conditional	Format	Name	Description Qualifiers in notation marks	XML Mapping
1	2	3	4	5	6	7	8
						than 35 positions, the name of the vessel is shortened.	<TransportDetails StageQualifier="20"> <VesselName>
	8453		M	an..3 (an2)	Nationality of means of transport	ISO two-alpha country code 3166-1, see Annex 4, No. 11	<Transport> <TransportDetails StageQualifier="20"> <Nationality>
	8281			an..3	Transport ownership	n.a.	
TDT	**RFF (1)**	2	M		**REFERENCE**	Dimensions of the transport, **length**	
	C506		M		REFERENCE		
	1153		M	an..3	Reference qualifier	"LEN" = Length	
	1154		M	an..35 (n..5)	Reference number	Total length of the convoy t in centimetres	<Transport> <TransportDimensions> <Length>
	1156			an..6	Line number	n.a.	
	4000			an..35	Reference version number	n.a.	
	1060			an..6	Revision number	n.a.	
TDT	**RFF (2)**	2	M		**REFERENCE**	Dimensions of the transport, **width**	
	C506		M		REFERENCE		
	1153		M	an..3	Reference qualifier	"WID"	
	1154		M	an..35 (n..4)	Reference number	Total width of the convoy in centimetres	<Transport> <TransportDimensions> <Width>
	1156			an..6	Line number	n.a.	
	4000			an..35	Reference version number	n.a.	
	1060			an..6	Revision number	n.a.	
TDT	**RFF (3)**	2	M		**REFERENCE**	Dimensions of the transport, **draught**	
	C506		M		REFERENCE		
	1153		M	an..3	Reference qualifier	"DRA"	
	1154		M	an..35 (n..4)	Reference number	Draught of the convoy in centimetres,	<Transport> <TransportDimensions> <Draught>
	1156			an..6	Line number	n.a.	
	4000			an..35	Reference version number	n.a.	
	1060			an..6	Revision number	n.a.	

Segment Group	Segment Composite data element (C) Data element TAG	Level	Mandatory Conditional	Format	Name	Description Qualifiers in notation marks	XML Mapping
1	2	3	4	5	6	7	8
TDT	**RFF (4)**	2	C		**REFERENCE**	Dimensions of the transport**, airdraught**	
	C506		M		REFERENCE	Reference	
	1153		M	an..3	Reference qualifier	"HGT"	
	1154		M	an..35 (n..4)	Reference number	Draught of the convoy in centimetres,	<Transport> <TransportDimensions> <Tonnage>
	1156			an..6	Line number	n.a.	
	4000			an..35	Reference version number	n.a.	
	1060			an..6	Revision number	n.a.	
TDT	**RFF (5)**	2	M		**REFERENCE**	Dimensions of the transport**, tonnage**	
	C506		M		REFERENCE	Reference	
	1153		M	an..3	Reference qualifier	"TON"	
	1154		M	an..35 (n..5)	Reference number	Maximum capacity of the convoy in metric tonnes,	<Transport> <TransportDimensions> <Tonnage>
	1156			an..6	Line number	n.a.	
	4000			an..35	Reference version number	n.a.	
	1060			an..6	Revision number	n.a.	
TDT	**RFF (6)**	2	C		**REFERENCE**	**National voyage reference, Belgium**	
	C506		M		REFERENCE	Reference	
	1153		M	an..3	Reference qualifier	"GNB"	<Transport> < TransportReference > <RefQualifier>
	1154		M	an..35	Reference number	Government reference of Belgium	<Transport> < TransportReference > <RefNo>
	1156			an..6	Line number	n.a.	
	4000			an..35	Reference version number	n.a.	
	1060			an..6	Revision number	n.a.	
TDT	**RFF (7)**	2	C		**REFERENCE**	**National voyage reference, France**	
	C506		M		REFERENCE	Reference	
	1153		M	an..3	Reference qualifier	"GNF"	<Transport> < TransportReference > <RefQualifier>
	1154		M	an..35	Reference number	Government reference of France	<Transport> < TransportReference > <RefNo>
	1156			an..6	Line number	n.a.	

Segment Group	Segment Composite data element (C) Data element TAG	Level	Mandatory Conditional	Format	Name	Description Qualifiers in notation marks	XML Mapping
1	2	3	4	5	6	7	8
	4000			an..35	Reference version number	n.a.	
	1060			an..6	Revision number	n.a.	
TDT	**RFF (8)**	2	C		**REFERENCE**	**National voyage reference, Germany**	
	C506		M		REFERENCE	Reference	
	1153		M	an..3	Reference qualifier	"GNG"	<Transport> < TransportReference > <RefQualifier>
	1154		M	an..35	Reference number	Government reference of Germany	<Transport> < TransportReference > <RefNo>
	1156			an..6	Line number	n.a.	
	4000			an..35	Reference version number	n.a.	
	1060			an..6	Revision number	n.a.	
TDT	**RFF (9)**	2	C		**REFERENCE**	**National voyage reference, reserved 1**	
	C506		M		REFERENCE	Reference	
	1153		M	an..3	Reference qualifier	"GN1"	<Transport> < TransportReference > <RefQualifier>
	1154		M	an..35	Reference number	Government reference, reserved 1	<Transport> < TransportReference > <RefQualifier>
1	1156			an..6	Line number	n.a.	
	4000			an..35	Reference version number	n.a.	
	1060			an..6	Revision number	n.a.	

Segment Group	Segment Composite data element (C) Data element TAG	Level	Mandatory Conditional	Format	Name	Description Qualifiers in notation marks	XML Mapping
1	2	3	4	5	6	7	8
TDT	**LOC (1)**	2	M		**PLACE/LOCATION IDENTIFICATION**	**Port of departure**, the port where the transport starts	
	3227		M	an..3	Place / location qualifier	"5" place of departure	
	C517		M		LOCATION IDENTIFICATION		
	3225		M	an..25 (an5)	Place / location identification	UN/ECE Location code (Rec. 16), see Annex 4, No. 12	<Transport> < TransportLocations > <PortOfDeparture> <Locode>
	1131			an..3	Code list qualifier	n.a.	
	3055			an..3	Code list responsible agency	n.a.	
	3224		C	an..70 (an..17)	Place / location	Full name of the port location	<Transport> < TransportLocations > <PortOfDeparture> <LocationName>
	C519		C		RELATED LOCATION ONE IDENTIFICATION		
	3223		M	an..25 (an..5)	Related place / location one identification	Terminal code, see Annex 4, No. 14	<Transport> < TransportLocations > <PortOfDeparture> <TerminalCode>
	1131			an..3	Code list qualifier	n.a.	
	3055			an..3	Code list responsible agency	n.a.	
	3222			an..70	Related place / location one	Full name of the terminal.	<Transport> <TransportLocations> <PortOfDeparture> <Locode>
	C553		C		RELATED LOCATION TWO IDENTIFICATION		
	3233		M	an..25 (an5)	Related place / location two identification	Fairway section code, see Annex 4, No. 13	<Transport> <TransportLocations> <PortOfDeparture> <FairwaySectionCode>
	1131			an..3	Code list qualifier		
	3055			an..3	Code list responsible agency	n.a.	
	3232		C	an..70 (an..5)	Related place / location two	Fairway section hectometer	<Transport> <TransportLocations> <PortOfDeparture> <FairwayHectometre>
	5479			an..3	Relation	n.a.	

Segment Group	Segment Composite data element (C) Data element TAG	Level	Mandatory Conditional	Format	Name	Description Qualifiers in notation marks	XML Mapping
1	2	3	4	5	6	7	8
TDT	**LOC (2)**	2	C		**PLACE/LOCATION IDENTIFICATION**	**Passage point that has already being passed** by the ship. This segment and the TDT/DTM(2) segment with qualifier 186 are mandatory for passage reports	
	3227		M	an..3	Place / location qualifier	"172" for passage point	
	C517		M		LOCATION IDENTIFICATION		
	3225		M	an..25 (an5)	Place / location identification	UN/ECE Location code (Rec. 16) of the passage point (lock, bridge, traffic centre), see Annex 4, No. 12	<Transport> <TransportLocations> <PassagePoint> <Locode>
	1131			an..3	Code list qualifier	n.a.	
	3055			an..3	Code list responsible agency	n.a.	
	3224		C	an..70 (an..17)	Place / location	Full name of the passage point	<Transport> <TransportLocations> <PassagePoint> <LocationName>
	C519		C		RELATED LOCATION ONE IDENTIFICATION		
	3223		M	an..25 (an..5)	Related place / location one identification	Passage point code	<Transport> <TransportLocations> <PassagePoint> <TerminalCode>
	1131			an..3	Code list qualifier	n.a.	
	3055			an..3	Code list responsible agency	n.a.	
	3222			an..70	Related place / location one	n.a.	<Transport> <TransportLocations> <PassagePoint> <Locode>
	C553		C		RELATED LOCATION TWO IDENTIFICATION		
	3233		M	an..25 (an5)	Related place / location two identification	Fairway section code, see Annex 4, No. 13	<Transport> <TransportLocations> <PassagePoint> <FairwaySectionCode>
	1131			an..3	Code list qualifier		
	3055			an..3	Code list responsible agency	n.a.	
	3232		C	an..70 (an..5)	Related place / location two	Fairway section hectometre	<Transport> <TransportLocations> <PassagePoint> <FairwayHectometre>
	5479			an..3	Relation	n.a.	

Segment Group	Segment Composite data element (C) Data element TAG	Level	Mandatory Conditional	Format	Name	Description Qualifiers in notation marks	XML Mapping
1	2	3	4	5	6	7	8
TDT	**LOC (3)**	2	C		**PLACE/LOCATION IDENTIFICATION**	**Next passage point**	
	3227		M	an..3	Place / location qualifier	“61 ” for next port of call	
	C517		M		LOCATION IDENTIFICATION		
	3225		M	an..25 (an5)	Place / location identification	UN/ECE Location code (Rec. 16) of the passage point (lock, bridge, VTS centre) , see Annex 4, No. 12	<Transport> <TransportLocations> <NextPortOfCall> <Locode>
	1131			an..3	Code list qualifier	n.a.	
	3055			an..3	Code list responsible agency	n.a.	
	3224		C	an..70 (an..17)	Place / location	Full name of the passage point	<Transport> <TransportLocations> <NextPortOfCall> <LocationName>
	C519		C		RELATED LOCATION ONE IDENTIFICATION		
	3223		M	an..25	Related place / location one identification	Passage point code	<Transport> <TransportLocations> <NextPortOfCall> <TerminalCode>
	1131			an..3	Code list qualifier	n.a.	
	3055			an..3	Code list responsible agency	n.a.	
	3222			an..70	Related place / location one	n.a.	<Transport> <TransportLocations> <NextPortOfCall> <Locode>
	C553		C		RELATED LOCATION TWO IDENTIFICATION		
	3233		M	an..25 (an5)	Related place / location two identification	Fairway section code, see Annex 4, No. 13	<Transport> <TransportLocations> <NextPortOfCall> <FairwaySectionCode>
	1131			an..3	Code list qualifier		
	3055			an..3	Code list responsible agency	n.a.	
	3232		C	an..70 (an..5)	Related place / location two	Fairway section hectometre	<Transport> <TransportLocations> <NextPortOfCall> <FairwayHectometre>
	5479			an..3	Relation	n.a.	

Segment Group	Segment Composite data element (C) Data element TAG	Level	Mandatory Conditional	Format	Name	Description Qualifiers in notation marks	XML Mapping
1	2	3	4	5	6	7	8
TDT	**LOC (4..8)**	2	C		**PLACE/LOCATION IDENTIFICATION**	**Further future passage points** (information on intended route). At most five intermediate points on the route can be given. The order of passage should be the order within the message.	
	3227		M	an..3	Place / location qualifier	"92 " for routing	
	C517		M		LOCATION IDENTIFICATION		
	3225		M	an..25 (an5)	Place / location identification	UN/ECE Location Code (Rec. 16) of the passage point (lock, bridge, traffic centre) , see Annex 4, No. 12	<Transport> <TransportLocations> < Routepoints SequenceNumber= > <Locode>
	1131			an..3	Code list qualifier	n.a.	
	3055			an..3	Code list responsible agency	n.a.	
	3224		C	an..17	Place / location	Full name of the passage point	<Transport> <TransportLocations> <Routepoints SequenceNumber= > <LocationName>
	C519		C		RELATED LOCATION ONE IDENTIFICATION		
	3223		M	an..25 (an..5)	Related place / location one identification	Passage point code	<Transport> <TransportLocations> <Routepoints SequenceNumber= > <TerminalCode>
	1131			an..3	Code list qualifier	n.a.	
	3055			an..3	Code list responsible agency	n.a.	
	3222			an..70	Related place / location one	"201"for YYMMDDHHMM	<Transport> <TransportLocations> <Routepoints SequenceNumber= > <Locode>
	C553		C		RELATED LOCATION TWO IDENTIFICATION		
	3233		M	an..25 (an5)	Related place / location two identification	Fairway section code, see Annex 4, No. 13	<Transport> <TransportLocations> <Routepoints SequenceNumber= > <FairwaySectionCode>
	1131			an..3	Code list qualifier		
	3055			an..3	Code list responsible agency	n.a.	
	3232		C	an..70 (an..5)	Related place / location two	Fairway section hectometre	<Transport> <TransportLocations> <Routepoints SequenceNumber= > <FairwayHectometre>
	5479			an..3	Relation	n.a.	

Segment Group	Segment Composite data element (C) Data element TAG	Level	Mandatory Conditional	Format	Name	Description Qualifiers in notation marks	XML Mapping
1	2	3	4	5	6	7	8
TDT	**LOC (9)**	2	M		**PLACE/LOCATION IDENTIFICATION**	**Port of destination**. This is the first port where the transport is bound.	
	3227		M	an..3	Place / location qualifier	"153" for place of call	
	C517		M		LOCATION IDENTIFICATION		
	3225		M	an..25 (an5)	Place / location identification	UN/ECE Location code (Rec. 16) of the port, see Annex 4, No. 12	<Transport> <TransportLocations> <PortOfDestination> <Locode>
	1131			an..3	Code list qualifier	n.a.	
	3055			an..3	Code list responsible agency	n.a.	
	3224		C	an..70 (an..17)	Place / location	Full name of the port location	<Transport> <TransportLocations> <PortOfDestination> <LocationName>
	C519		C		RELATED LOCATION ONE IDENTIFICATION		
	3223		M	an..25 (an..5)	Related place / location one identification	Terminal code, see Annex 4, No. 14	<Transport> <TransportLocations> <PortOfDestination> <TerminalCode>
	1131			an..3	Code list qualifier	n.a.	
	3055			an..3	Code list responsible agency	n.a.	
	3222			an..70	Related place / location one	Full name of the terminal.	<Transport> <TransportLocations> <PortOfDestination> <Locode>
	C553		C		RELATED LOCATION TWO IDENTIFICATION		
	3233		M	an..25 (an5)	Related place / location two identification	Fairway section code, see Annex 4, No. 13	<Transport> <TransportLocations> <PortOfDestination> <FairwaySectionCode>
	1131			an..3	Code list qualifier		
	3055			an..3	Code list responsible agency	n.a.	
	3232		C	an..70 (an..5)	Related place / location two	Fairway section hectometre	<Transport> <TransportLocations> <PortOfDestination> <FairwayHectometre>
	5479			an..3	Relation	n.a.	

Segment Group	Segment Composite data element (C) Data element TAG	Level	Mandatory Conditional	Format	Name	Description Qualifiers in notation marks	XML Mapping
1	2	3	4	5	6	7	8
TDT	**DTM (1)** to LOC(1)	2	C		**DATE / TIME / PERIOD**	**Departure time** (estimated).	
	C507		M		DATE / TIME / PERIOD		
	2005		M	an..3	Date or time or period function code qualifier	"133" for departure date/time, estimated	
	2380		M	an..35	Date or time period value	Value of departure time	<Transport> <TransportLocations> <ETD>
	2379		M	an..3	Date or time or period format code	"201" for YYMMDDHHMM	
TDT	**DTM (2)** to LOC (2)	2	C		**DATE / TIME / PERIOD**	**Passage time**, as **recorded** by the traffic centre	
	C507		M		DATE / TIME / PERIOD		
	2005		M	an..3	Date or time or period function code qualifier	"186" for departure time, actual	
	2380		M	an..35	Date or time period value	Value of passage time: YYMMDDHHMM	<Transport> <TransportLocations> <PassageTime>
	2379		M	an..3	Date or time or period format code	"201" for YYMMDDHHMM	
TDT	**DTM (3)** to LOC (9**)**	2	C		**DATE / TIME / PERIOD**	**Estimated time of arrival at port of destination**	
	C507		M		DATE / TIME / PERIOD		
	2005		M	an..3	Date or time or period function code qualifier	"132" for arrival time, estimated	
	2380		M	an..35	Date or time period value	Value of arrival time: YYMMDDHHMM	<Transport> <TransportLocations> <ETA>
	2379		M	an..3	Date or time or period format code	"201" for YYMMDDHHMM	

Segment Group	Segment Composite data element (C) Data element TAG	Level	Mandatory Conditional	Format	Name	Description Qualifiers in notation marks	XML Mapping
1	2	3	4	5	6	7	8
NAD	**NAD (1)**	1	M		**NAME and ADDRESS**	name and address of **message sender**	
	3035		M	an..3	Party function code qualifier	"MS" for Message sender	<NamesAddresses> <NameAddress> <PartyFunction>
	C082		C		PARTY IDENTIFICATION DATAILS		
	3039		M	an..35	Party identification	Identification code. For notifications to the Port of Rotterdam this element is mandatory. ERI fills this element with '900000000'	<NamesAddresses> <NameAddress> <PartyId>
	1131			an..3	Code list qualifier	n.a.	
	3055			an..3	Code list responsible agency	n.a.	
	C058				NAME AND ADDRESS	n.a.	
	3124			an..35	Name and address line	n.a.	
	3124			an..35	Name and address line	n.a.	
	3124			an..35	Name and address line	n.a.	
	3124			an..35	Name and address line	n.a.	
	3124			an..35	Name and address line	n.a.	
	C080		M		PARTY NAME		
	3036		M	an..35	Party name	Sender name.	<NamesAddresses> <NameAddress> <PartyName>
	3036			an..35	Party name	n.a.	
	3036			an..35	Party name	n.a.	
	3036			an..35	Party name	n.a.	
	3036			an..35	Party name	n.a.	
	3045			an..3	Party name format, coded	n.a.	
	C059		C		STREET		
	3042		M	an..35	Street and number / p.o. box	Street and number or post office box	<NamesAddresses> <NameAddress> <Street>
	3042			an..35	Street and number / p.o. box	n.a.	
	3042			an..35	Street and number / p.o. box	n.a.	
	3042			an..35	Street and number / p.o. box	n.a.	
	3164		C	an..35	City name	City	<NamesAddresses> <NameAddress> <City>
	3229			an..9	Country sub-entity identification	n.a.	
	3251		C	an..9	postcode identification	Postal identification code	<NamesAddresses> <NameAddress> <PostalCode>
	3207		C	an..3	country	ISO 3166-1 two alpha country code, see Annex 4,	<NamesAddresses>

Segment Group	Segment Composite data element (C) Data element TAG	Level	Mandatory Conditional	Format	Name	Description Qualifiers in notation marks	XML Mapping
1	2	3	4	5	6	7	8
						No.11	<NameAddress> <Country>
NAD	**CTA**	2	C		**CONTACT INFORMATION**	Sender contact details	
	3139			an..3	Contact function	n.a.	
	C056		M		DEPARTMENT OR EMPLOYEE DETAILS		
	3413			an..17	Department or employee identification	n.a.	
	3412		M	an..35	Department or employee	“ERI”, dummy value	<NamesAddresses> <Contact> <ContactInformation>

Segment Group	Segment Composite data element (C) Data element TAG	Level	Mandatory Conditional	Format	Name	Description Qualifiers in notation marks	XML Mapping
1	2	3	4	5	6	7	8
NAD/ CTA	**COM**	3	C		**COMMUNICATION CONTACT**	Sender communication contact details (max. 3 times)	
	C076		M		COMMUNICATION CONTACT		
	3148		M	an..70	Communication number	Communication number	<NamesAddresses> <Contact> <CommsContact> <CommsNo>
	3155		M	an..3	Communication channel qualifier	"TE" for telephone number "FX" for fax number "EM" for E-mail address "EI" for EDI mailbox number (EDI number or E-mail address for NAD 1 is mandatory if a response in the form of an ERIRSP message is requested for. If no response is requested, the EDI number and E-mail address is not to be used).	<NamesAddresses> <Contact> <CommsContact> <CommsChannel>
NAD	**NAD (2)**	1	M		**NAME and ADDRESS**	Name and address of **agent/invoicee**	
	3035		M	an..3	Party function code qualifier	"CG" for agent / invoice address (for VNF this segment is mandatory).	<NamesAddresses> <NameAddress> <PartyFunction>
	C082		C		PARTY IDENTIFICATION DATAILS		
	3039		M	an..35	Party identification	Identification code. For notifications to the Port of Rotterdam this element is mandatory. ERI fills this element with '900000000'	<NamesAddresses> <NameAddress> <PartyId>
	1131			an..3	Code list qualifier	n.a.	
	3055			an..3	Code list responsible agency	n.a.	
	C058				NAME AND ADDRESS	n.a.	
	3124			an..35	Name and address line	n.a.	
	3124			an..35	Name and address line	n.a.	
	3124			an..35	Name and address line	n.a.	
	3124			an..35	Name and address line	n.a.	
	3124			an..35	Name and address line	n.a.	
	C080		M		PARTY NAME		
	3036		M	an..35	Party name	Sender name.	<NamesAddresses> <NameAddress> <PartyName>
	3036		C	an..35 (an..25)	Invoice number	Invoice number of the agent/invoicee	<NamesAddresses> <NameAddress> <InvoiceNumber>

Segment Group	Segment Composite data element (C) Data element TAG	Level	Mandatory Conditional	Format	Name	Description Qualifiers in notation marks	XML Mapping
1	2	3	4	5	6	7	8
	3036			an..35	Party name	n.a.	
	3036			an..35	Party name	n.a.	
	3036			an..35	Party name	n.a.	
	3045			an..3	Party name format, coded	n.a.	
	C059		C		STREET	Street	
	3042		M	an..35	Street and number / p.o. box	Address (street name + number or post office box number)	<NamesAddresses> <NameAddress> <Street>
	3042			an..35	Street and number / p.o. box	n.a.	
	3042			an..35	Street and number / p.o. box	n.a.	
	3042			an..35	Street and number / p.o. box	n.a.	
	3164		C	an..35	City name	City	<NamesAddresses> <NameAddress> <City>
	3229			an..9	Country sub-entity identification	n.a.	
	3251		C	an..9	Postcode identification	Postal code	<NamesAddresses> <NameAddress> <PostalCode>
	3207		C	an..3	Country	ISO 3166-1 two alpha country code	<NamesAddresses> <NameAddress> <Country>

Segment Group	Segment Composite data element (C) Data element TAG	Level	Mandatory Conditional	Format	Name	Description Qualifiers in notation marks	XML Mapping
1	2	3	4	5	6	7	8
EQD	**EQD (V) (1)**	1	M		**EQUIPMENT DETAILS**	Specification of the **VESSELS** within the convoy (for each vessel 1 segment, also the main vessel), **propulsed vessel**	
	8053		M	an..3	Equipment type code qualifier	"BRY" for vessel participating in the propulsion.	<Barges> <Barge> <EquipmentType>
	C237		M		EQUIPMENT IDENTIFICATION		
	8260		M	an..17 (an7..8)	Equipment identification number	Vessel **number**: 7 digits for OFS or IMO indication, 8 digits for ERN indication	<Barges> <Barge> <BargeId> <VesselId>
	1131		M	an..3	Code list qualifier	"OFS" for an Official Ship Number of CCNR system, see Annex 4, No. 2 "IMO" for an IMO number, see Annex 4, No. 3 "ERN" for all other vessels (Electronic Reporting Number), see Annex 4 No. 4	<Barges> <Barge> <BargeId> <VesselIDType>
	3055			an..3	Code list responsible agency	n.a.	
	3207			an..3	Country	n.a.	
	C224		M		EQUIPMENT SIZE AND TYPE		
	8155		M	an..10 (an..4)	Equipment size and type identification, **vessel type**	Code for ship and convoy types of means of transport from UN/CEFACT Rec. 28, see Annnex 4, No. 1	<Barges> <Barge> <BargeType>
	1131			an..3	Code list qualifier	n.a.	
	3055			an..3	Code list responsible agency	n.a.	
	8154			an..35	Equipment size and type	**Name** of the vessel. If the name results in more than 35 positions, the name of the vessel is shortened	<Barges> <Barge> <BargeName>
	8077			an..3	Equipment supplier	n.a.	
	8249			an..3	Equipment status	n.a.	
	8169			an..3	Full / empty indicator	n.a.	

Segment Group	Segment Composite data element (C) Data element TAG	Level	Mandatory Conditional	Format	Name	Description Qualifiers in notation marks	XML Mapping
1	2	3	4	5	6	7	8
EQD	**EQD (V) (2 - 15)**	1	C		**EQUIPMENT DETAILS**	Specification of the **VESSELS** within the convoy (for each vessel 1 segment, also the main vessel) **not propulsed vessels**	
	8053		M	an..3	Equipment type code qualifier	"BRN" for vessel not participating in the propulsion	<Barges> <Barge> <EquipmentType>
	C237		M		EQUIPMENT IDENTIFICATION		
	8260		M	an..17 (an7..8)	Equipment identification number	Vessel **number**: 7 digits for OFS or IMO indication, 8 digits for ERN indication	<Barges> <Barge> <BargeId> <VesselId>
	1131		M	an..3	Code list qualifier	"OFS" for an Official Ship Number of the CCNR system, see Annex 4, No. 2 "IMO" for an IMO number, see Annex 4, No. 3 "ERN" for all other ships (Electronic Reporting Number), see Annex 4, No. 4	<Barges> <Barge> <BargeId> <VesselIDType>
	3055			an..3	Code list responsible agency	n.a.	
	3207			an..3	Country	n.a.	
	C224		M		EQUIPMENT SIZE AND TYPE		
	8155		M	an..10 (an..4)	Equipment size and type identification, **vessel type**	Code for ship and convoy types of means of transport from UN/CEFACT Rec. 28, see Annex 4, No. 1	<Barges> <Barge> <BargeType>
	1131			an..3	Code list qualifier	n.a.	
	3055			an..3	Code list responsible agency	n.a.	
	8154			an..35	Equipment size and type	**Name** of the vessel. If the name results in more than 35 positions, the name of the vessel is shortened.	<Barges> <Barge> <BargeName>
	8077			an..3	Equipment supplier	n.a.	
	8249			an..3	Equipment status	n.a.	
	8169			an..3	Full / empty indicator	n.a.	
Segment Group	Segment Composite data element (C) Data element TAG	Level	Mandatory Conditional	Format	Name	Description Qualifiers in notation marks	XML Mapping
1	2	3	4	5	6	7	

Segment Group	Segment Composite data element (C) Data element TAG	Level	Mandatory Conditional	Format	Name	Description Qualifiers in notation marks	XML Mapping
1	2	3	4	5	6	7	8
EQD	**MEA (1)**	2	M		**MEASUREMENTS**	**Vessel Length**	
	6311		M	an..3	Measurement purpose qualifier	**“**DIM” for dimension	
	C502				MEASUREMENT DETAILS		
	6313			an..3	Property measured	“LEN” for length	
	6321			an..3	Measurement significance	n.a.	
	6155			an..17	Measurement attribute identification	n.a.	
	6154			an..70	Measurement attribute	n.a.	
	C174		M		VALUE/RANGE		
	6411		M	an..3	Measurement unit qualifier	“CMT” for centimetre (UN/ECE Rec 20, Annex 3. Common code)	
	6314		M	an..18 (n5)	Measurement value	Length	<Barges> <BargeDimensions> <Length>
	6162			n..18	Range minimum	n.a.	
	6152			n..18	Range maximum	n.a.	
	6432			n..2	Significant digits	n.a.	
	7383			an..3	Surface / layer indicator	n.a.	
EQD	**MEA (2)**	2	M		**MEASUREMENTS**	**Vessel Width**	
	6311		M	an..3	Measurement purpose code qualifier	**“**DIM” for dimension	
	C502				MEASUREMENT DETAILS		
	6313			an..3	Property measured	“WID” for width.	
	6321			an..3	Measurement significance	n.a.	
	6155			an..17	Measurement attribute identification	n.a.	
	6154			an..70	Measurement attribute	n.a.	
	C174		M		VALUE/RANGE		
	6411		M	an..3	Measurement unit qualifier	“CMT” for centimetre (UN/ECE Rec 20, Annex 3: Common code)	
	6314		M	an..18 (n4)	Measurement value	Width	<Barges> <BargeDimensions> <Width>
	6162			n..18	Range minimum	n.a.	
	6152			n..18	Range maximum	n.a.	
	6432			n..2	Significant digits	n.a.	
	7383			an..3	Surface / layer indicator	n.a.	

Segment Group	Segment Composite data element (C) Data element TAG	Level	Mandatory Conditional	Format	Name	Description Qualifiers in notation marks	XML Mapping
1	2	3	4	5	6	7	8
EQD	**MEA (3)**	2	M		**MEASUREMENTS**	**Vessel Draught**	
	6311		M	an..3	Measurement purpose code qualifier	“DIM” for dimension	
	C502				MEASUREMENT DETAILS	Size details	
	6313			an..3	Property measured	”DRA” for draught	
	6321			an..3	Measurement significance	n.a.	
	6155			an..17	Measurement attribute identification	n.a.	
	6154			an..70	Measurement attribute	n.a.	
	C174		M		VALUE/RANGE		
	6411		M	an..3	Measurement unit qualifier	“CMT” for centimetre (UN/ECE Rec 20, Common code)	
	6314		M	an..18 (n4)	Measurement value	Draught	<Barges> <BargeDimensions> <Draught>
	6162			n..18	Range minimum	n.a.	
	6152			n..18	Range maximum	n.a.	
	6432			n..2	Significant digits	n.a.	
	7383			an..3	Surface / layer indicator	n.a.	
EQD	**MEA (4)**	2	M		**MEASUREMENTS**	**Vessel Tonnage**	
	6311		M	an..3	Measurement purpose code qualifier	**“VOL” for volume**	
	C502				MEASUREMENT DETAILS	Size details	
	6313			an..3	Property measured	“AAM” for gross tonnage.	
	6321			an..3	Measurement significance	n.a.	
	6155			an..17	Measurement attribute identification	n.a.	
	6154			an..70	Measurement attribute	n.a.	
	C174		M		VALUE/RANGE		
	6411		M	an..3	Measurement unit qualifier	“TNE” for metric ton (UN/ECE Rec 20, Common code)	
	6314		M	an..18 (n6)	Measurement value	Tonnage (capacity)	<Barges> <BargeDimensions> <Tonnage>
	6162			n..18	Range minimum	n.a.	
	6152			n..18	Range maximum	n.a.	
	6432			n..2	Significant digits	n.a.	
	7383			an..3	Surface / layer indicator	n.a.	

Segment Group	Segment Composite data element (C) Data element TAG	Level	Mandatory Conditional	Format	Name	Description Qualifiers in notation marks	XML Mapping
1	2	3	4	5	6	7	8
	EQD (C) (1..15)	1	C		**EQUIPMENT DETAILS**	Specification of the number of **CONTAINERS**	
	8053		M	an..3	Equipment type code qualifier	"CN" for container	
	C237				EQUIPMENT IDENTIFICATION		
	8260			an..17	Equipment identification number	n.a.	
	1131			an..3	Code list qualifier	n.a.	
	3055			an..3	Code list responsible agency	n.a.	
	3207			an..3	Country	n.a.	
	C224		M		EQUIPMENT SIZE AND TYPE		
	8155		M	an..10 (an5)	Equipment size and type identification	Container **range**: "RNG20" for containers having a length between 20 and 29 feet, "RNG30" for containers having a length between 30 and 39 feet, "RNG40" for containers having a length of 40 feet or more	<ContainerMatrices> <Container> <ContRange>
	1131			an..3	Code list qualifier	n.a.	
	3055			an..3	Code list responsible agency	n.a.	
	8154			an..35	Equipment size and type	n.a.	
	8077			an..3	Equipment supplier	n.a.	
	8249			an..3	Equipment status	n.a.	
	8169		M	an..3	Full / empty indicator	Container **status**: "5" for loaded, "4" for empty, "6" for no volume available	<ContainerMatrices> <Container> <ContStatus>

Segment Group	Segment Composite data element (C) Data element TAG	Level	Mandatory Conditional	Format	Name	Description Qualifiers in notation marks	XML Mapping
1	2	3	4	5	6	7	8
EQD	**MEA (5)**	2	M	**EQD(2)**	**MEASUREMENTS**	Specification of the **number of containers**	
	6311		M	an..3 (an2)	Measurement purpose qualifier	"NR" for number	
	C502				MEASUREMENT DETAILS	n.a.	
	6313			an..3	Property measured	n.a.	
	6321			an..3	Measurement significance	n.a.	
	6155			an..17	Measurement attribute identification	n.a.	
	6154			an..70	Measurement attribute	n.a.	
	C174		M		VALUE/RANGE		
	6411		M	an..3	Measurement unit qualifier	"NUM" for number (see UN/ECE Rec. 20, common code)	
	6314		M	an..18 (n1..4)	Measurement value	Number of containers of the given type and status.	<ContainerMatrices> <Number>
	6162			n..18	Range minimum	n.a.	
	6152			n..18	Range maximum	n.a.	
	6432			n..2	Significant digits	n.a.	
	7383			an..3	Surface / layer indicator	n.a.	
CNI	**CNI**	1	M		**CONSIGNMENT INFORMATION**	**Consignment** (similar source / destination) specification of the transported **cargo**	
	1490		M	n..4	Consolidation item number	Sequence number of the consigment. For modifications, the same sequence number is to be used	<Consignments> <Consignment> <SequenceNo>
	C503				DOCUMENT / MESSAGE DETAILS	n.a.	
	1004			an..35	Document / message number	n.a.	
	1373			an..3	Document / message status, coded	n.a.	
	1366			an..70	Document / message source	n.a.	
	3453			an..3	Language, coded	n.a.	
	1056			an..9	Version	n.a.	
	1060			an..6	Revision number	n.a.	
	1312			n..4	Consignment load sequence number	n.a.	

Segment Group	Segment Composite data element (C) Data element TAG	Level	Mandatory Conditional	Format	Name	Description Qualifiers in notation marks	XML Mapping
1	2	3	4	5	6	7	8
CNI	**DTM (1)**	2	C		**DATE / TIME / PERIOD**	Estimated **arrival time** at the discharge place	
	C507		M		DATE / TIME / PERIOD		
	2005		M	an..3	Date or time or period function code qualifier	"132" for arrival time, estimated	
	2380		M	an..35	Date or time period value	Value of arrival time: YYMMDDHHMM	<Consignments> <ArrivalTime>
	2379		M	an..3	Date or time or period format code	"201" for YYMMDDHHMM	
CNI	**DTM (2)**	2	C		**DATE / TIME / PERIOD**	Estimated **departure time** from the loading place	
	C507		M		DATE / TIME / PERIOD		
	2005		M	an..3	Date or time or period function code qualifier	"133" for departure time, estimated	
	2380		M	an..35	Date or time period value	Time: YYMMDDHHMM	<Consignments> <DepartureTime>
	2379		M	an..3	Date or time or period format code	"201"	

Segment Group	Segment Composite data element (C) Data element TAG	Level	Mandatory Conditional	Format	Name	Description Qualifiers in notation marks	XML Mapping
1	2	3	4	5	6	7	8
CNI	**LOC (1)**	2	C		**PLACE / LOCATION IDENTIFICATION**	Specification of the **loading place** of the cargo	
	3227		M	an..3	Place / location qualifier	"9" for place / port of loading	
	C517		M		LOCATION IDENTIFICATION		
	3225		M	an..25 (an5)	Place / location identification	UN/ECE Location code (Rec. 16), of the loading place, see Annex 4, No. 12	<Consignments> <PortOfLoading> <Locode>
	1131			an..3	Code list qualifier	n.a.	
	3055			an..3	Code list responsible agency	n.a.	
	3224		C	an..70 (an..17)	Place / location	Full name of the port location	<Consignments> < PortOfLoading > <LocationName>
	C519		C		RELATED LOCATION ONE IDENTIFICATION		
	3223		M	an..25 (an..5)	Related place / location one identification	Terminal code, see Annex 4, No. 14	<Consignments> < PortOfLoading > <TerminalCode>
	1131			an..3	Code list qualifier	n.a.	
	3055			an..3	Code list responsible agency	n.a.	
	3222			an..70 (an..17)	Related place / location one	Full name of the terminal	<Consignments> < PortOfLoading > <Locode>
	C553		C		RELATED LOCATION TWO IDENTIFICATION		
	3233		M	an..25 (an5)	Related place / location two identification	Fairway section code, see Annex 4, No. 13	<Consignments> < PortOfLoading > <FairwaySectionCode>
	1131			an..3	Code list qualifier	n.a.	
	3055			an..3	Code list responsible agency	n.a.	
	3232		C	an..70 (an..5)	Related place / location two	Fairway section hectometer	<Consignments> < PortOfLoading > <FairwayHectometre>
	5479			an..3	Relation	n.a.	

Segment Group	Segment Composite data element (C) Data element TAG	Level	Mandatory Conditional	Format	Name	Description Qualifiers in notation marks	XML Mapping
1	2	3	4	5	6	7	8
CNI	**LOC (2)**	2	C		**PLACE / LOCATION IDENTIFICATION**	Specification of the **discharge place** of the cargo	
	3227		M	an..3	Place / location qualifier	"11" for place / port of discharge	
	C517		M		LOCATION IDENTIFICATION		
	3225		M	an..25 (an5)	Place / location identification	UN/ECE Location code (Rec. 16), see Annex 4, No. 12	<Consignments> <PortOfDischarge> <Locode>
	1131			an..3	Code list qualifier	n.a.	
	3055			an..3	Code list responsible agency	n.a.	
	3224		C	an..70 (an..17)	Place / location	Full name of the port	<Consignments> < PortOfDischarge> <LocationName>
	C519		C		RELATED LOCATION ONE IDENTIFICATION		
	3223		M	an..25 (an..5)	Related place / location one identification	Terminal code, see Annex 4, No. 14	<Consignments> < PortOfDischarge> <TerminalCode>
	1131			an..3	Code list qualifier	n.a.	
	3055			an..3	Code list responsible agency	n.a.	
	3222		C	an..70 (an..17)	Related place / location one	Full name of terminal	<Consignments> < PortOfDischarge> <Locode>
	C553		C		RELATED LOCATION TWO IDENTIFICATION		
	3233		M	an..25 (an5)	Related place / location two identification	Fairway section code, see Annex 4, No. 13	<Consignments> < PortOfDischarge> <FairwaySectionCode>
	1131			an..3	Code list qualifier	n.a.	
	3055			an..3	Code list responsible agency	n.a.	
	3232		C	an..70 (an.. 5)	Related place / location two	Fairway section hectometer	<Consignments> < PortOfDischarge> <FairwayHectometre>
	5479			an..3	Relation	n.a.	

Segment Group	Segment Composite data element (C) Data element TAG	Level	Mandatory Conditional	Format	Name	Description Qualifiers in notation marks	XML Mapping
1	2	3	4	5	6	7	8
CNI/ NAD	**NAD (1)**	2	C		**NAME AND ADDRESS**	**Cargo sender** name	
	3035		M	an..3	Party function code qualifier	"SF" for ship from	<Consignments> <NameAddress> <PartyFunction>
	C082		C		PARTY IDENTIFICATION DETAILS		
	3039		M	an..35 (an..25)	Party identifier	EDI number of cargo sender	<Consignments> <NameAddress> <PartyId>
	1131			an..3	Code list qualifier	n.a.	
	3055			an..3	Code list responsible agency	n.a.	
	C058				NAME AND ADDRESS		
	3124			an..35	Name and address line	n.a.	
	3124			an..35	Name and address line	n.a.	
	3124			an..35	Name and address line	n.a.	
	3124			an..35	Name and address line	n.a.	
	3124			an..35	Name and address line	n.a.	
	C080		M		PARTY NAME		
	3036		M	an..35	Party name	Ship from name.	<Consignments> <NameAddress> <PartyName>
	3036		C	an..35 (an..25)	Invoice number	Invoice number of the agent/invoicee	<Consignments> <NameAddress> <InvoiceNumber>
	3036			an..35	Party name	n.a.	
	3036			an..35	Party name	n.a.	
	3036			an..35	Party name	n.a.	
	3045			an..3	Party name format, coded	n.a.	
	C059				STREET	Street	
	3042			an..35	**Street and number or post office box**		
	3042			an..35	Street and number / p.o. box	n.a.	
	3042			an..35	Street and number / p.o. box	n.a.	
	3042			an..35	Street and number / p.o. box	n.a.	
	3164		M	an..35	City name		<Consignments> <NameAddress> <City>
	3229			an..9	Country sub-entity identification	n.a.	
	3251			an..9	Postcode identification	n.a.	
	3207			an..3	Country	n.a.	

Segment Group	Segment Composite data element (C) Data element TAG	Level	Mandatory Conditional	Format	Name	Description Qualifiers in notation marks	XML Mapping
1	2	3	4	5	6	7	8
CNI/ NAD	**NAD (2)**	2	C		**NAME AND ADDRESS**	**Cargo receiver** name	
	3035		M	an..3	Party function code qualifier	"ST" for ship to	<Consignments> <NameAddress> <PartyFunction>
	C082		M		PARTY IDENTIFICATION DETAILS		
	3039		M	an..35 (an..25)	Party identification	EDI number of receiver of cargo	<Consignments> <NameAddress> <PartyId>
	1131			an..3	Code list qualifier	n.a.	
	3055			an..3	Code list responsible agency	n.a.	
	C058				NAME AND ADDRESS	n.a.	
	3124			an..35	Name and address line	n.a.	
	3124			an..35	Name and address line	n.a.	
	3124			an..35	Name and address line	n.a.	
	3124			an..35	Name and address line	n.a.	
	3124			an..35	Name and address line	n.a.	
	C080		M		PARTY NAME		
	3036		M	an..35	Party name	Ship to name	<Consignments> <NameAddress> <PartyName>
	3036		C	an..35 (an..25)	Invoice number	Invoice number of the agent/invoicee	<Consignments> <NameAddress> <InvoiceNumber>
	3036			an..35	Party name	n.a.	
	3036			an..35	Party name	n.a.	
	3036			an..35	Party name	n.a.	
	3045			an..3	Party name format, coded	n.a.	
	C059				STREET	Street	
	3042			an..35	Street and number / p.o. box		
	3042			an..35	Street and number / p.o. box	n.a.	
	3042			an..35	Street and number / p.o. box	n.a.	
	3042			an..35	Street and number / p.o. box	n.a.	
	3164		M	an..35	City name		<Consignments> <NameAddress> <City>
	3229			an..9	Country sub-entity identification	n.a.	
	3251			an..9	Postcode identification	n.a.	
	3207			an..3	Country	n.a.	

Segment Group	Segment Composite data element (C) Data element TAG	Level	Mandatory Conditional	Format	Name	Description Qualifiers in notation marks	XML Mapping
1	2	3	4	5	6	7	8
CNI	**GID (1..99)**	2	M		**GOODS ITEM DETAILS**	per **vessel** and per **good** a new GID segment	
	1496		M	n..5	Goods item number	Sequence number of the good within a consignment. Unique within the CNI	<Consignments> <GoodsItems> <GoodsItem> <GoodsItemNo>
	C213				NUMBER AND TYPE OF PACKAGES		
	7224			n..8	Number of packages	Default value is “1”	
	7065			an..17	Type of packages identification	n.a.	
	1131			an..3	Code list qualifier	n.a.	
	3055			an..3	Code list responsible agency	n.a.	
	7064			an..35	Type of packages	n.a.	
	7233			an..3	Packaging related information, coded	n.a.	
	C213				NUMBER AND TYPE OF PACKAGES	n.a.	
	7224			n..8	Number of packages	n.a.	
	7065			an..17	Type of packages identification	n.a.	
	1131			an..3	Code list qualifier	n.a.	
	3055			an..3	Code list responsible agency	n.a.	
	7064			an..35	Type of packages	n.a.	
	7233			an..3	Packaging related information	n.a.	
	C213		C		NUMBER AND TYPE OF PACKAGES		
	7224		M	n..8	Number of packages	Number of inner **packages**	<Consignments> <GoodsItems> <GoodsItem> <NumberOfPackages>
	7065		M	an..17 (a2)	Type of packages identification	UN/ECE recommendation No. 21, see Annex 4, No. 17	<Consignments> <GoodsItems> <GoodsItem> <TypeOfPackages>
	1131			an..3	Code list qualifier	n.a.	
	3055			an..3	Code list responsible agency	n.a.	
	7064			an..35	Type of packages	n.a.	
	7233			an..3	Packaging related information	n.a.	

Segment Group	Segment Composite data element (C) Data element TAG	Level	Mandatory Conditional	Format	Name	Description Qualifiers in notation marks	XML Mapping
1	2	3	4	5	6	7	8
CNI/ GID	**FTX (1)**	3	C		**FREE TEXT**	**Extra goods information**	
	4451		M	an..3	Text subject code qualifier	"ACB" for additional information	
	4453			an..3	Free text function code	n.a.	
	C107				TEXT REFERENCE		
	4441			an..17	Free text identification	n.a.	
	1131			an..3	Code list qualifier	n.a.	
	3055			an..3	Code list responsible agency	n.a.	
	C108		M		TEXT LITERAL		
	4440		M	an..70 (an1)	Free text	**type of good**: "D" for Dangerous "N" for Non-dangerous	<Consignments> <GoodsItems> <AdditionalInfo> <TypeOfGood>
	4440		C	an..70 (n6..10)	Free text	**HS code**, can be left blank if unknown and good is dangerous, see Annex 4, No. 5	<Consignments> <GoodsItems> <AdditionalInfo> <HSCode>
	4440		C	an..70 (a1)	Free text	**Customs status**: "T" = Third country good "C" = Communal good "F" = Good from non-fiscal area "X" = Good declared for export in a member state	<Consignments> <GoodsItems> <AdditionalInfo> <CustomsStatus>
	4440		C	an..70 (an..35)	Free text	Customs document reference **number** for goods of type "T", "F", or "X"	<Consignments> <GoodsItems> <AdditionalInfo> <CustomsRefNo>
	4440		C	an..70 (an1)	Free text	Overseas destination "Y" = with overseas destination "N" = without an overseas destination	<Consignments> <GoodsItems> <AdditionalInfo> <Overseas>
	3453			an..3	Language	n.a.	
	4447			an..3	Text formatting	n.a.	

Segment Group	Segment Composite data element (C) Data element TAG	Level	Mandatory Conditional	Format	Name	Description Qualifiers in notation marks	XML Mapping
1	2	3	4	5	6	7	8
CNI/ GID	**FTX (2)**	3	C		**FREE TEXT**	**Goods description of non-dangerous cargo**	
	4451		M	an..3	Text subject code qualifier	"AAA" for goods description	
	4453			an..3	Free text function code	n.a.	
	C107				TEXT REFERENCE	n.a.	
	4441			an..17	Free text identification	n.a.	
	1131			an..3	Code list qualifier	n.a.	
	3055			an..3	Code list responsible agency	n.a.	
	C108		M		TEXT LITERAL		
	4440		M	**an..70**	Free text	Goods **name** of the non-dangerous cargo	<Consignments> <GoodsItems> <GoodsDescription> <GoodsName>
	4440		C	an..70 (n6)	Free text value	**NST/R code** of the non-dangerous cargo. Extended by "00" if only 4 digits known, see Annex 4, No. 7.	<Consignments> <GoodsItems> <GoodsDescription> <NSTRCode>
	4440		C	an..70 (n6..10)	Free text	**HS code** of the non-dangerous cargo, see Annex 4, No. 5	<Consignments> <GoodsItems> <GoodsDescription> <HSCode>
	4440			an..70	Free text	Aditional goods description.	<Consignments> <GoodsItems> <GoodsItem> <AdditionalInfo>
	4440			an..70	Free text	n.a.	
	3453			an..3	Language, coded	n.a.	
	4447			an..3	Text formatting	n.a.	

Segment Group	Segment Composite data element (C) Data element TAG	Level	Mandatory Conditional	Format	Name	Description Qualifiers in notation marks	XML Mapping
1	2	3	4	5	6	7	8
CNI/ GID	**SGP (1..99)**	3	C		**SPLIT GOODS PLACEMENT**	**Specification of the location of the non-dangerous cargo within the means of transport**	
	C237		M		EQUIPMENT IDENTIFICATION		
	8260		M	an..17 (an7..8)	Equipment identification number	**Ship number**: 7 digits for OFS or IMO indication, 8 digits for ERN indication	<Consignments> <GoodsItems> <SplitGoodsPlacements> <Placement> <VesselId>
	1131		M	an..3	Code list qualifier	“IMO” for an IMO number , see Annex 4, No. 3 “OFS” for a Official Ship Number of CCNR system, see Annex 4, No. 2 “ERN” for all other ships (Electronic Reporting Number), see Annex 4, No. 4	<Consignments> <GoodsItems> <SplitGoodsPlacements> <Placement> <VesselIDType>
	3055			an..3	Code list responsible agency	n.a.	
	3207			an..3	Country	n.a.	
	7224			n..8	Number of packages	n.a.	
CNI/ GID/ SGP	**MEA**	4	M		**MEASUREMENTS**	**Specification of the weight of a non dangerous good on board the vessel**	
	6311		M	an..3	Measurement purpose qualifier	“WT” for weights	
	C502		M		MEASUREMENT DETAILS		
	6313		M	an..3	Property measured	“AAL” for net weight including normal packing	
	6321			an..3	Measurement significance	n.a.	
	6155			an..17	Measurement attribute identification	n.a.	
	6154			an..70	Measurement attribute	n.a.	
	C174		M		VALUE/RANGE		
	6411		M	an..3	Measurement unit qualifier	“KGM” for kilogram (UN/ECE Rec. 20)	
	6314		M	an..18 (n9)	Measurement value	weight in kilogram	<Consignments> <GoodsItems> <GoodSplitGoodsPlacements> <SplitGoodsPlacements> <Weight>
	6162			n..18	Range minimum	n.a.	
	6152			n..18	Range maximum	n.a.	
	6432			an..2	Significant digits	n.a.	
	7383			an..3	Surface / layer indicator	n.a.	

Segment Group	Segment Composite data element (C) Data element TAG	Level	Mandatory Conditional	Format	Name	Description Qualifiers in notation marks	XML Mapping
1	2	3	4	5	6	7	8
CNI/ GID/ SGP	**MEA**	4	C		**MEASUREMENTS**	**Specification of the tonnage of a non dangerous good on board the vessel**	
	6311		M	an..3	Measurement purpose qualifier	“VOL” for weights	
	C502		M		MEASUREMENT DETAILS		
	6313		M	an..3	Property measured	“AAX” The observed volume after adjustment for factors such as temperature or gravity	
	6321			an..3	Measurement significance	n.a.	
	6155			an..17	Measurement attribute identification	n.a.	
	6154			an..70	Measurement attribute	n.a.	
	C174		M		VALUE/RANGE		
	6411		M	an..3	Measurement unit qualifier	“TNE” for metric ton (UN/ECE Rec. 20)	
	6314		M	an..18 (n9)	Measurement value	Tonnage	<Consignments> <GoodsItems> <GoodSplitGoodsPlacements> < ContainerStowageType >
	6162			n..18	Range minimum	n.a.	
	6152			n..18	Range maximum	n.a.	
	6432			an..2	Significant digits	n.a.	
	7383			an..3	Surface / layer indicator	n.a.	

Segment Group	Segment Composite data element (C) Data element TAG	Level	Mandatory Conditional	Format	Name	Description Qualifiers in notation marks	XML Mapping
1	2	3	4	5	6	7	8
CNI/ GID	**DGS**	3	M		**DANGEROUS GOODS**	**Dangerous goods identification**	If not a dangerous good then <DangerousGoodsInfo > must be absent.
	8273		M	an..3	dangerous goods regulations	“ANR” for inland vessels (CCNR ADNR code) “IMD” for sea going vessels (IMO IMDG code)	<Consignments> <GoodsItems> <DangerousGoodsInfo> <DangerousGoods> <Regulation>
	C205		M		HAZARD CODE		
	8351		M	an..7	Hazard code identification	**ADNR or IMDG code,** see Annex 4, No. 9	<Consignments> <GoodsItems> <DangerousGoodsInfo> <DangerousGoods> <Classification>
	8078		C	an..7	Additional hazard classification identifier	ADNR danger classification code, see Annex 4, No. 10	<Consignments> <GoodsItems> <DangerousGoodsInfo> <DangerousGoods> <AdditionalClassification>
	8092			an..10	Hazard code version number	n.a.	
	C234		M		UNDG INFORMATION		
	7124		M	n4	UNDG number	**UN number** (UNDG code), see Annex 4, No. 8	<Consignments> <GoodsItems> <DangerousGoodsInfo> <DangerousGoods> <UNNumber>
	7088			an..8	Dangerous goods flashpoint	n.a.	
	C223		C		DANGEROUS GOODS SHIPMENT FLASHPOINT		
	7106		M	n..3	Shipment flashpoint	**Flashpoint** of the good transported	<Consignments> <GoodsItems> <DangerousGoodsInfo> <DangerousGoods> <Flashpoint>
	6411		M	an..3	Measure unit qualifier	“CEL” for Celsius “FAH” for Fahrenheit .	<Consignments> <GoodsItems> <DangerousGoodsInfo> <DangerousGoods> <FlashpointUnit>
	8339		M	an..3	Packing group	“1” for great danger “2” for medium danger “3” for minor danger ..	<Consignments> <GoodsItems> <DangerousGoodsInfo> <DangerousGoods>

Segment Group	Segment Composite data element (C) Data element TAG	Level	Mandatory Conditional	Format	Name	Description Qualifiers in notation marks	XML Mapping
1	2	3	4	5	6	7	8
							<PackingGroup>
	8364		C	an..6	EMS number	Emergency Procedures	<Consignments> <GoodsItems> <DangerousGoodsInfo> <DangerousGoods> <EMSNumber>
	8410		C	an..4	MFAG number	Medical First Aid Guide	<Consignments> <GoodsItems> <DangerousGoodsInfo> <DangerousGoods> <MFAGNumber>
	8126			an..10	TREM card number	n.a.	
	C235		C		HAZARD IDENTIFICATION PLACARD DETAILS	**Placards** mandatory for dangerous goods on dry cargo vessels	
	8158		M	an..4	Hazard identification number, upper part	see ADNR	<Consignments> <GoodsItems> <DangerousGoodsInfo> <DangerousGoods> <HazardPlacard> <HazardPlacardUpper>
	8186		M	an..4	Substance identification number, lower part	see ADNR	<Consignments> <GoodsItems> <DangerousGoodsInfo> <DangerousGoods> <HazardPlacard> <HazardPlacardLower>
	C236				DANGEROUS GOODS LABEL	n.a.	
	8246			an..4	Dangerous goods label marking	n.a.	
	8246			an..4	Dangerous goods label marking	n.a.	
	8246			an..4	Dangerous goods label marking	n.a.	
	8255			an..3	Packing instruction	n.a.	
	8325			an..3	Category of means of transport	n.a.	
	8211			an..3	Permission for transport	n.a.	

Segment Group	Segment Composite data element (C) Data element TAG	Level	Mandatory Conditional	Format	Name	Description Qualifiers in notation marks	XML Mapping
1	2	3	4	5	6	7	8
CNI/ GID/ DGS	**FTX (1)**	4	M		**FREE TEXT**	**Dangerous good description**	
	4451		M	an..3	Text subject code qualifier	"AAD" for dangerous goods, **technical** name	
	4453			an..3	Free text function code	n.a.	
	C107				TEXT REFERENCE	n.a.	
	4441			an..17	Free text identification	n.a.	
	1131			an..3	Code list qualifier	n.a.	
	3055			an..3	Code list responsible agency	n.a.	
	C108		M		TEXT LITERAL		
	4440		M	an..70 (an..50)	Free text	Name of dangerous good (**proper shipping** name)	<Consignments> <GoodsItems> <DangerousGoodsInfo> <TechnicalName>
	4440			an..70	Free text value	Aditional goods description	<Consignments> <GoodsItems> <DangerousGoodsInfo> <AdditionalClassification>
	4440			an..70	Free text	n.a.	
	4440			an..70	Free text	n.a.	
	4440			an..70	Free text	n.a.	
	3453			an..3	Language	n.a.	
	4447			an..3	Text formatting	n.a.	

Segment Group	Segment Composite data element (C) Data element TAG	Level	Mandatory Conditional	Format	Name	Description Qualifiers in notation marks	XML Mapping
1	2	3	4	5	6	7	8
CNI/ GID/ DGS	**FTX (2)**	4	C		**FREE TEXT**	**Additional information**	
	4451		M	an..3	Text subject code qualifier	“AAC” for dangerous goods additional information	
	4453			an..3	Free text function code	n.a.	
	C107				TEXT REFERENCE		
	4441		M	an..17	Free text identification	“SYN” for indication that a synonym follows	
	1131			an..3	Code list qualifier	n.a.	
	3055			an..3	Code list responsible agency	n.a.	
	C108		M		TEXT LITERAL		
	4440		M	an..70 (an..50)	Free text	**Synonym** of the dangerous good	<Consignments> <GoodsItems> <DangerousGoodsInfo> <Synonym>
	4440			an..70	Free text	n.a.	
	4440			an..70	Free text	n.a.	
	4440			an..70	Free text	n.a.	
	4440			an..70	Free text	n.a.	
	3453			an..3	Language	n.a.	
	4447			an..3	Text formatting	n.a.	
CNI/ GID/ DGS	**MEA**	4	M		**MEASUREMENTS**	**Total weight of the dangerous good within a transport**	
	6311		M	an..3	Measurement purpose qualifier	“WT” for weights	
	C502		M		MEASUREMENT DETAILS		
	6313		M	an..3	Property measured	“AAL” for net weight including normal packing	
	6321			an..3	Measurement significance, coded	n.a.	
	6155			an..17	Measurement attribute identification	n.a.	
	6154			an..70	Measurement attribute	n.a.	
	C174		M		VALUE/RANGE		
	6411		M	an..3	Measurement unit qualifier	“KGM” for kilogram (UN/ECE Rec. 20)	
	6314		M	an..18	Measurement value	Weight of the dangerous good in the consigment	<Consignments> <GoodsItems> <DangerousGoodsInfo> <NetWeight>
	6162			n..18	Range minimum	n.a.	
	6152			n..18	Range maximum	n.a.	
	6432			n..2	Significant digits	n.a.	
	7383			an..3	Surface / layer indicator	n.a.	

Segment Group	Segment Composite data element (C) Data element TAG	Level	Mandatory Conditional	Format	Name	Description Qualifiers in notation marks	XML Mapping
1	2	3	4	5	6	7	8
CNI/ GID/ DGS	**SGP (1..99)**	4	M		**SPLIT GOODS PLACEMENT**	**Specification of the location of the goods.** If the goods are transported in containers, this segment should contain the identification of the vessel the container is stowed on.	
	C237		M		EQUIPMENT IDENTIFICATION		
	8260		M	an..17 (an7..8)	Equipment identification number	**Ship number**: 7 digits for OFS or IMO indication, 8 digits for ERN indication	<Consignments> <GoodsItems> <DangerousGoodsInfo> <DangerousGoodsSplitGoodsPlacements> <SplitGoodsPlacement> <Placement> <VesselId> or (for non-dangerous) <Consignments> <GoodsItems> <GoodSplitGoodsPlacement> <SplitGoodsPlacement> <Placement> <VesselId>
	1131		M	an..3	Code list qualifier	"OFS" for an Official Ship Number of CCNR system, see Annex 4, No. 2 "IMO" for an IMO-number, see Annex 4, No. 3 "ERN" for all other ships (Electronic Reporting Number), see Annex 4, No. 4	<Consignments> <GoodsItems> <DangerousGoodsInfo> <DangerousGoodsSplitGoodsPlacements> <SplitGoodsPlacement> <Placement> <VesselIDType> or (for non-dangerous) <Consignments> <GoodsItems> <GoodSplitGoodsPlacement> <SplitGoodsPlacement> <Placement> <VesselIDType>
	3055			an..3	Code list responsible agency	n.a.	
	3207			an..3	Country	n.a.	
	7224			n..8	Number of packages	n.a.	

Segment Group	Segment Composite data element (C) Data element TAG	Level	Mandatory Conditional	Format	Name	Description Qualifiers in notation marks	XML Mapping
1	2	3	4	5	6	7	8
CNI/ GID/ DGS/ SGP	**MEA**	5	M		**MEASUREMENTS**	**Total weight of the goods within the vessel.**	
	6311		M	an..3	Measurement purpose qualifier	"WT" for weights	
	C502		M		MEASUREMENT DETAILS		
	6313		M	an..3	Property measured	"AAL" for net weight including normal packing	
	6321			an..3	Measurement significance, coded	n.a.	
	6155			an..17	Measurement attribute identification	n.a.	
	6154			an..70	Measurement attribute	n.a.	
	C174		M		VALUE/RANGE		
	6411		M	an..3	Measurement unit qualifier	"KGM" for kilogram (UN/ECE Rec. 20)	
	6314		M	an..18	Measurement value	Weight of the goods in the vessel	<Consignments> <GoodsItems> <DangerousGoodsInfo> <DangerousGoodsSplitGoodsPlacements> <SplitGoodsPlacement> <Weight> or (for non-dangerous) <Consignments> <GoodsItems> <GoodSplitGoodsPlacement> <SplitGoodsPlacement> <Weight>
	6162			n..18	Range minimum	n.a.	
	6152			n..18	Range maximum	n.a.	
	6432			n..2	Significant digits	n.a.	
	7383			an..3	Surface / layer indicator	n.a.	

Segment Group	Segment Composite data element (C) Data element TAG	Level	Mandatory Conditional	Format	Name	Description Qualifiers in notation marks	XML Mapping
1	2	3	4	5	6	7	8
CNI/ GID/ DGS/ SGP	**MEA**	5	M		**MEASUREMENTS**	**Total tonnage of the goods within the vessel.**	
	6311		M	an..3	Measurement purpose qualifier	"VOL" for weights	
	C502		M		MEASUREMENT DETAILS		
	6313		M	an..3	Property measured	"AAX" The observed volume after adjustment for factors such as temperature or gravity	
	6321			an..3	Measurement significance, coded	n.a.	
	6155			an..17	Measurement attribute identification	n.a.	
	6154			an..70	Measurement attribute	n.a.	
	C174		M		VALUE/RANGE		
	6411		M	an..3	Measurement unit qualifier	"TNE" for metric ton (UN/ECE Rec. 20)	
	6314		M	an..18	Measurement value	Tonnage	<Consignments> <GoodsItems> <DangerousGoodsInfo> <DangerousGoodsSplitGoodsPlacements> <SplitGoodsPlacement> < ContainerStowage > or (for non-dangerous) <Consignments> <GoodsItems> <GoodSplitGoodsPlacement> <SplitGoodsPlacement> < ContainerStowage >
	6162			n..18	Range minimum	n.a.	
	6152			n..18	Range maximum	n.a.	
	6432			n..2	Significant digits	n.a.	
	7383			an..3	Surface / layer indicator	n.a.	

Segment Group	Segment Composite data element (C) Data element TAG	Level	Mandatory Conditional	Format	Name	Description Qualifiers in notation marks	XML Mapping
1	2	3	4	5	6	7	8
CNI/ GID/ DGS	**SGP**	4	C		**SPLIT GOODS PLACEMENT**	**The location of the goods if in containers. If the goods are transported in containers at least one SGP combination specifying the ship on which the container is stowed must be specified.**	
	C237		M		EQUIPMENT IDENTIFICATION	Identification	
	8260		M	an..17	Equipment identification number	**Container identification** code (owner code, identifier, serial number. check digit), see Annex 4, No. 16	<Consignments> <GoodsItems> <DangerousGoodsInfo> <DangerousGoodsSplitGoodsPlacements> <Containerstowage> <Container> or (for non-dangerous) <Consignments> <GoodsItems> <GoodsSplitGoodsPlacements> <Containerstowage> <Container>
	1131			an..3	Code list qualifier	n.a.	
	3055			an..3	Code list responsible agency	n.a.	
	3207			an..3	Country	n.a.	
	7224			n..8	Number of packages	n.a.	

Segment Group	Segment Composite data element (C) Data element TAG	Level	Mandatory Conditional	Format	Name	Description Qualifiers in notation marks	XML Mapping
1	2	3	4	5	6	7	8
CNI/ GID/ DGS/ SGP	**LOC**		C		**PLACE / LOCATION IDENTIFICATION**	**Stowage location**	
	3227		M	an..3	Place / location qualifier	“147” for Stowage cell	
	C517		M		LOCATION IDENTIFICATION		
	3225		M	an..25	Place / location identification	“BBBRRTT” for Bay / Row / Tier	<Consignments> <GoodsItems> <DangerousGoodsInfo> <DangerousGoodsSplitGoodsPlacements> <Containerstowage> <StowageLocation> or (for non-dangerous) <Consignments> <GoodsItems> <GoodsSplitGoodsPlacements> <Containerstowage> <StowageLocation>
	1131			an..3	Code list qualifier	n.a.	
	3055			an..3	Code list responsible agency	n.a.	
	3224			an..70	Place / location	n.a.	
	C519				RELATED LOCATION ONE IDENTIFICATION	n.a.	
	3223			an..25	Related place / location one identification	n.a.	
	1131			an..3	Code list qualifier	n.a.	
	3055			an..3	Code list responsible agency	n.a.	
	3222			an..70	Related place / location one	n.a.	
	C553				RELATED LOCATION TWO IDENTIFICATION	n.a.	
	3233			an..25	Related place / location two identification	n.a.	
	1131			an..3	Code list qualifier	n.a.	
	3055			an..3	Code list responsible agency	n.a.	
	3232			an..70	Related place / location two	n.a.	
	5479			an..3	Relation	n.a.	

Segment Group	Segment Composite data element (C) Data element TAG	Level	Mandatory Conditional	Format	Name	Description Qualifiers in notation marks	XML Mapping
1	2	3	4	5	6	7	8
CNI/ GID/ DGS/ SGP	**MEA**	5	M		**MEASUREMENTS**	**Specification of the weight of the good in the container**	
	6311		M	an..3	Measurement purpose qualifier	"WT" for weights	
	C502		M		MEASUREMENT DETAILS		
	6313		M	an..3	Property measured	"AAL" for net weight including normal packing	
	6321			an..3	Measurement significance, coded	n.a.	
	6155			an..17	Measurement attribute identification	n.a.	
	6154			an..70	Measurement attribute	Container type (ISO 6364 chapter 4 and annexes D en E)	????
	C174		M		VALUE/RANGE		
	6411		M	an..3	Measurement unit qualifier	"KGM" for kilogram (UN/ECE Rec. 20)	
	6314		M	an..18	Measurement value	Weight of the good in this container	<Consignments> <GoodsItems> <DangerousGoodsInfo> <DangerousGoodsSplitGoodsPlacements> <Containerstowage> <Weight> for non-dangerous goods <Consignments> <GoodsItems> <GoodsSplitGoodsPlacements> <Containerstowage> <Weight>
	6162			n..18	Range minimum	n.a.	
	6152			n..18	Range maximum	n.a.	
	6432			n..2	Significant digits	n.a.	
	7383			an..3	Surface / layer indicator	n.a.	

Segment Group	Segment Composite data element (C) Data element TAG	Level	Mandatory Conditional	Format	Name	Description Qualifiers in notation marks	XML Mapping
1	2	3	4	5	6	7	8
CNI/ GID/ DGS/ SGP	**MEA**	5	M		**MEASUREMENTS**	**Total tonnage of the goods within the vessel.**	
	6311		M	an..3	Measurement purpose qualifier	"VOL" for weights	
	C502		M		MEASUREMENT DETAILS		
	6313		M	an..3	Property measured	"AAX" The observed volume after adjustment for factors such as temperature or gravity	
	6321			an..3	Measurement significance, coded	n.a.	
	6155			an..17	Measurement attribute identification	n.a.	
	6154			an..70	Measurement attribute	n.a.	
	C174		M		VALUE/RANGE		
	6411		M	an..3	Measurement unit qualifier	"TNE" for metric ton (UN/ECE Rec. 20)	
	6314		M	an..18	Measurement value	Tonnage	<Consignments> <GoodsItems> <DangerousGoodsInfo> <DangerousGoodsSplitGoodsPlacements> <Containerstowage> <???? > for non-dangerous goods <Consignments> <GoodsItems> <GoodsSplitGoodsPlacements> <Containerstowage> <????>
	6162			n..18	Range minimum	n.a.	
	6152			n..18	Range maximum	n.a.	
	6432			n..2	Significant digits	n.a.	
	7383			an..3	Surface / layer indicator	n.a.	
	UNT		M		**MESSAGE TRAILER**	**End and control of completeness of the message**	
	0074		M	n..6	Number of segments in a message		
	0062		M	an..14	Message reference number	First 14 positions of the message reference number	

Segment Group	Segment Composite data element (C) Data element TAG	Level	Mandatory Conditional	Format	Name	Description Qualifiers in notation marks	XML Mapping
1	2	3	4	5	6	7	8
	UNZ		M		**INTERCHANGE TRAILER**	**End and control of the interchange**	
	0036		M	n..6	Interchange control count	"1" for number of messages contained in the interchange	
	0020		M	an..14	Interchange control reference	First 14 positions of the message reference number	

4.2 ERIRSP XML Mapping

The following table describes the ERI Response message in EDI format. The last column defines the XML mapping. Together with the scheme definition this should give sufficient information in order to develop a conversion tool.

Segment Group	Segment Composite data element (C) Data element TAG	Level	Mandatory Conditioanal	Format	Name	Description Qualifiers in notation marks	XML Mapping
1	2	3	4	5	6	7	

Segment Group	Segment Composite data element (C) Data element TAG	Level	Mandatory Conditioanal	Format	Name	Description Qualifiers in notation marks	XML Mapping
1	2	3	4	5	6	7	
	UNB	0	M		**INTERCHANGE HEADER**		
	S001		M		SYNTAX IDENTIFIER		
	0001		M	a4	Syntax identifier	“UNOA” Controlling agency	<EDIMapping> <Syntax>
	0002		M	n1	Syntax version number	“2”	<EDIMapping> <SyntaxVersion>
	S002		M		INTERCHANGE SENDER		
	0004		M	an..35 (an25)	Sender identification	Mailbox number or unique name	<MessageId> <SenderId>
	0007			an..4	Partner identification code qualifier	n.a.	
	0008			an..14	Address for reverse routing	n.a.	
	S003		M		INTERCHANGE RECIPIENT		
	0010		M	an..35 (an25)	Recipient identification	Mailbox number or unique name	<MessageId> <ReceiverId>
	0007			an..4	Partner identification code qualifier	n.a.	
	0014			an..14	Routing address	n.a.	
	S004		M		DATE / TIME OF PREPARATION		
	0017		M	n6	Date	Generation date, YYMMDD	<MessageId> <GenerationDateTime>
	0019		M	n4	Time	Generation time, HHMM	<MessageId> <GenerationDateTime>
	0020		M	an..14	Interchange control reference	First 14 positions of the message reference number.	
	S005				RECIPIENTS REFERENCE, PASSWORD		
	0022			an..14	Recipient’s reference / password	n.a.	
	0025			an2	Recipient’s reference, password qualifier	n.a.	
	0026			an..14	Application reference	n.a.	
	0029			a1	Processing priority code	n.a.	
	0031		C	n1	Acknowledgement request	“1” = Sender wishes receipt notification	<MessageId> <AckRequest>
	0032			an..35	Communications agreement id	n.a.	
	0035		C	n1	Test indicator	“1” = The interchange relates to a test message	<MessageId> <TestIndicator>

Segment Group	Segment Composite data element (C) Data element TAG	Level	Mandatory Conditioanal	Format	Name	Description Qualifiers in notation marks	XML Mapping
1	2	3	4	5	6	7	
	UNH	0	M		**MESSAGE HEADER**	Identification, specification and heading of a message	
	0062		M	an..14	Message reference number	First 14 positions of the message reference number.	
	S009		M		MESSAGE IDENTIFIER		
	0065		M	an..6	Message type	“APERAK”, message type	<EDIMapping> <Messagetype>
	0052		M	an..3	Message version number	“D”,	<EDIMapping> <MessageVersion>
	0054		M	an..3	Message release number	“98B”	<EDIMapping> <MessageRelease>
	0051		M	an..2	Controlling agency	“UN”,	E<EDIMapping> <MessageControllingAgency>
	0057		M	an..6	Association assigned code	“PROT10”, Protect version 1.0	<EDIMapping> <AssociationAssignedCode>
	0068			an..35	Common access reference	n.a.	
	S010				STATUS OF THE TRANSFER		
	0070			n..2	Sequence of transfers	n.a.	
	0073			a1	First and last transfer	n.a.	

Segment Group	Segment Composite data element (C) Data element TAG	Level	Mandatory Conditioanal	Format	Name	Description Qualifiers in notation marks	XML Mapping
1	2	3	4	5	6	7	
	BGM	0	M		**BEGINNING OF MESSAGE**	Identification of the type and function of the message	
	C002		M		DOCUMENT / MESSAGE NAME		
	1001		M	an..3	Document / message name code	Type of message received for which this message contains the acknowledgement information: “VES”, from vessel to RIS authority message; “CAR”, from carrier to RIS authority message , passage report from RIS authority to RIS authority	<MessageId> <MessageType>
	1131			an..3	Code list qualifier	n.a.	
	3055			an..3	Code list responsible agency	n.a.	
	1000			an..35	Document / message name	n.a.	
	C106		M		DOCUMENT / MESSAGE IDENTIFICATION		
	1004		M	an..35 (an15)	Document identifier	Message reference number. This number should be as unique as possible, both for sender and for receiver. If a message is received and then passed on to another receiver, the original message reference number should be used. The transitional system should in this case not generate another message reference number	<MessageId> <MessageNo>
	1056		C	an..9	Version	n.a.	
	1060		C	an..6	Revision number	n.a.	
	1225		M	an..3	Message function code	Function of ,message: “9” = new message	<MessageId> <MessageFunction>
	4343		M	an..3	Response type code	“AP” accepted “RE” rejected. The notification is rejected if the transport already is active.	<MessageId> <ResponseType>
	DTM	1	C		**DATE / TIME / PERIOD**	**The date / time that the receiving application encounters the approval or rejection**	
	C507		M		DATE / TIME / PERIOD		
	2005		M	an..3	Date or time or period function code qualifier	“137” for document / message date / time	
	2380		M	an..35	Date or time period value	Value of arrival time: YYMMDDHHMM	<MessageDateTime>
	2379		M	an..3	Date or time or period format code	“201” for YYMMDDHHMM	

Segment Group	Segment Composite data element (C) Data element TAG	Level	Mandatory Conditioanal	Format	Name	Description Qualifiers in notation marks	XML Mapping
1	2	3	4	5	6	7	
	RFF (1)	1	C		**REFERENCE**	Reference to previous message	
	C506		M		REFERENCE		
	1153		M	an..3	Reference qualifier	“ACW” for reference number to previous message	
	1154		M	an..35	Reference number	Message reference number from BGM, TAG 1004 of the message this message refers to.	<MessageRef>
	1156		C	an..6	Line number	n.a.	
	4000		C	an..35	Reference version number	n.a.	
	1060		C	an..6	Revision number	n.a.	
	RFF (2)	1	C		**REFERENCE**	Reference to transaction / invoice number	
	C506		M		REFERENCE		
	1153		M	an..3	Reference qualifier	“AAY” for reference number to transaction	
	1154		M	an..35	Reference number	Reference number assigned by the receiving authority. The reference number should start with the UN country code followed by three positions for the assigning system. The final part is the actual reference number.	<TransportRef>
	1156		C	an..6	Line number	n.a.	
	4000		C	an..35	Reference version number	n.a.	
	1060		C	an..6	Revision number	n.a.	

Segment Group	Segment Composite data element (C) Data element TAG	Level	Mandatory Conditioanal	Format	Name	Description Qualifiers in notation marks	XML Mapping
1	2	3	4	5	6	7	
NAD	**NAD (1)**	1	M		**NAME and ADDRESS**	Name and address of the sender of the notification	
	3035		M	an..3	Party function code qualifier	“MS” for Message sender	<NameAddress> <PartyFunction>
	C082				PARTY IDENTIFICATION DETAILS	n.a.	
	3039			an..35	Party identification	n.a.	
	1131			an..3	Code list qualifier	n.a.	
	3055			an..3	Code list responsible agency	n.a.	
	C058				NAME AND ADDRESS	n.a.	
	3124			an..35	Name and address line	n.a.	
	3124			an..35	Name and address line	n.a.	
	3124			an..35	Name and address line	n.a.	
	3124			an..35	Name and address line	n.a.	
	3124			an..35	Name and address line	n.a.	
	C080		M		PARTY NAME		
	3036		M	an..35	Party name	Name of the sender of the notification.	<NameAddress> <PartyName>
	3036			an..35	Party name	n.a.	
	3036			an..35	Party name	n.a.	
	3036			an..35	Party name	n.a.	
	3036			an..35	Party name	n.a.	
	3045			an..3	Party name format, coded	n.a.	
	C059		C		STREET		
	3042		M	an..35	Street and number / p.o. box	Street and number or post office box	<NameAddress> <Street>
	3042			an..35	Street and number / p.o. box	n.a.	
	3042			an..35	Street and number / p.o. box	n.a.	
	3042			an..35	Street and number / p.o. box	n.a.	
	3164		C	an..35	City name	City	<NameAddress> <City>
	3229			an..9	Country sub-entity identification	n.a.	
	3251		C	an..9	postcode identification	Postal identification code	<NameAddress> <PostalCode>
	3207		C	an..3	country	ISO 3166-1 two alpha country code	<NameAddress> <Country>

Segment Group	Segment Composite data element (C) Data element TAG	Level	Mandatory Conditioanal	Format	Name	Description Qualifiers in notation marks	XML Mapping
1	2	3	4	5	6	7	
NAD	**COM**	2	C		**COMMUNICATION CONTACT**	Sender communication contact details (max. 2 times)	
	C076		M		COMMUNICATION CONTACT		
	3148		M	an..70	Communication number	Communication number	<NameAddress> <CommsContact> <CommsNo>
	3155		M	an..3	Communication channel qualifier	“TE” for telephone number “FX” for fax number	<NameAddress> <CommsContact> <CommsChannel>
	ERC	1	C		**APPLICATION ERROR INFORMATION**		
	C901		M		APPLICATION ERROR DETAIL		
	9321		M	an..8	Application error	Application error code	<ErrorInformation> <ErrorCode>
	1131			an..3	Code list qualifier	n.a.	
	3055			an..3	Code list responsible agency	n.a.	
ERC	**FTX**	2	C		**FREE TEXT**	To communicate the reason for rejection	
	4451		M	an..3	Text subject code qualifier	**“AAO”** for free text error description	
	4453			an..3	Free text function code	n.a.	
	C107				TEXT REFERENCE		
	4441			an..17	Free text identification	n.a.	
	1131			an..3	Code list qualifier	n.a.	
	3055			an..3	Code list responsible agency	n.a.	
	C108		C		TEXT LITERAL	Text	
	4440		M	an.. 70	Free text	Further description	<ErrorInformation> <ErrorDescription>
	4440		C	an.. 70	Free text	Further description	<ErrorInformation> <ErrorDescription>
	4440		C	an.. 70	Free text	Further description	<ErrorInformation> <ErrorDescription>
	4440		C	an.. 70	Free text	Further description	<ErrorInformation> <ErrorDescription>
	4440		C	an.. 70	Free text	Further description	<ErrorInformation> <ErrorDescription>
	3453			an.. 3	Language, coded	n.a.	
	4447			an..3	Text formatting, coded	n.a.	
	UNT		M		**MESSAGE TRAILER**	**End and control of completeness of the message**	

Segment Group	Segment Composite data element (C) Data element TAG	Level	Mandatory Conditioanal	Format	Name	Description Qualifiers in notation marks	XML Mapping
1	2	3	4	5	6	7	
	0074		M	n..6	Number of segments in a message		
	0062		M	an..14	Message reference number	First 14 positions of the message reference number	
	UNZ		M		**INTERCHANGE TRAILER**	**End and control of the interchange**	
	0036		M	n..6	Interchange control count	"1" for number of messages contained in the interchange	
	0020		M	an..14	Interchange control reference	First 14 positions of the message reference number	

5. XML Examples

Below is listed an automatically generated XML example message based on the XML scheme definition.
All tags have dummy data, such that the length restrictions are not violated. Also non-mandatory elements are present, and repeating elements occur only once.
These examples should not be interpreted as real examples of valid messages.

5.1 ERINOT XML example

```
<?xml version="1.0" encoding="UTF-8"?>
<ERINOT xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" VersionMajor="0" VersionMinor="0">
                    <MessageId>
                    <SenderId>String</SenderId>
                    <ReceiverId>String</ReceiverId>
                    <GenerationDateTime>Stringaaaa</GenerationDateTime>
                    <AckRequest>1</AckRequest>
                    <TestIndicator>1</TestIndicator>
                    <MessageType>VES</MessageType>
                    <MessageNo>String</MessageNo>
                    <MessageFunction>1</MessageFunction>
                    </MessageId>
                    <EDIMapping>
                    <Syntax>String</Syntax>
                    <SyntaxVersion>String</SyntaxVersion>
                    <MessageType>String</MessageType>
                    <MessageVersion>String</MessageVersion>
                    <MessageRelease>String</MessageRelease>
                    <MessageControllingAgency>String</MessageControllingAgency>
                    <AssociationAssignedCode>String</AssociationAssignedCode>
                    </EDIMapping>
                    <SafetyExplanation>
                    <PersonsOnBoard>999</PersonsOnBoard>
                    <Signalling>0</Signalling>
                    </SafetyExplanation>
                    <PrivacyStatement>Y</PrivacyStatement>
                    <MessageRef>String</MessageRef>
                    <TransportDocRef>String</TransportDocRef>
                    <TestScenarioRef>String</TestScenarioRef>
                    <Transport>
                    <TransportDetails StageQualifier="20">
                    <VoyageNo>String</VoyageNo>
                    <TransportMode>1</TransportMode>
                    <TransportMeans>Stri</TransportMeans>
                    <Vessel>
                    <VesselId>Stringa</VesselId>
                    <VesselIDType>OFS</VesselIDType>
                    </Vessel>
                    <VesselName>String</VesselName>
                    <Nationality>Str</Nationality>
                    </TransportDetails>
                    <TransportDimensions>
                    <Length>99999</Length>
```

```
<Width>9999</Width>
<Draught>9999</Draught>
<Tonnage>99999</Tonnage>
</TransportDimensions>
<TransportReference>
<RefQualifier>GNB</RefQualifier>
<RefNo>String</RefNo>
</TransportReference>
<TransportLocations>
<PortOfDeparture>
<Locode>Strin</Locode>
<LocationName>String</LocationName>
<TerminalCode>String</TerminalCode>
<TerminalName>String</TerminalName>
<FairwaySectionCode>String</FairwaySectionCode>
<FairwayHectometre>Strin</FairwayHectometre>
</PortOfDeparture>
<PassagePoint>
<Locode>Strin</Locode>
<LocationName>String</LocationName>
<TerminalCode>String</TerminalCode>
<TerminalName>String</TerminalName>
<FairwaySectionCode>String</FairwaySectionCode>
<FairwayHectometre>Strin</FairwayHectometre>
</PassagePoint>
<NextPortOfCall>
<Locode>Strin</Locode>
<LocationName>String</LocationName>
<TerminalCode>String</TerminalCode>
<TerminalName>String</TerminalName>
<FairwaySectionCode>String</FairwaySectionCode>
<FairwayHectometre>Strin</FairwayHectometre>
</NextPortOfCall>
<Routepoints SequenceNumber="0">
<Locode>Strin</Locode>
<LocationName>String</LocationName>
<TerminalCode>String</TerminalCode>
<TerminalName>String</TerminalName>
<FairwaySectionCode>String</FairwaySectionCode>
<FairwayHectometre>Strin</FairwayHectometre>
</Routepoints>
<PortOfDestination>
<Locode>Strin</Locode>
<LocationName>String</LocationName>
<TerminalCode>String</TerminalCode>
<TerminalName>String</TerminalName>
<FairwaySectionCode>String</FairwaySectionCode>
<FairwayHectometre>Strin</FairwayHectometre>
</PortOfDestination>
<ETD>2001-12-17T09:30:47-05:00</ETD>
<PassageTime>2001-12-17T09:30:47-05:00</PassageTime>
<ETA>2001-12-17T09:30:47-05:00</ETA>
</TransportLocations>
```

```
</Transport>
<NamesAddresses>
<NameAddress>
<PartyFunction>MS</PartyFunction>
<PartyId>String</PartyId>
<PartyName>String</PartyName>
<Street>String</Street>
<City>String</City>
<PostalCode>String</PostalCode>
<Country>Str</Country>
</NameAddress>
<Contact>
<ContactInformation>String</ContactInformation>
<CommsContact>
<CommsNo>String</CommsNo>
<CommsChannel>TE</CommsChannel>
</CommsContact>
</Contact>
</NamesAddresses>
<Barges>
<Barge>
<EquipmentType>BRY</EquipmentType>
<BargeId>
<VesselId>Stringa</VesselId>
<VesselIDType>OFS</VesselIDType>
</BargeId>
<BargeName>String</BargeName>
<BargeType>Stri</BargeType>
</Barge>
<BargeDimensions>
<Length>99999</Length>
<Width>9999</Width>
<Draught>9999</Draught>
<Tonnage>99999</Tonnage>
</BargeDimensions>
</Barges>
<ContainerMatrixes>
<ContainerMatrix>
<ContRange>RNG20</ContRange>
<ContStatus>4</ContStatus>
</ContainerMatrix>
<Number>0</Number>
</ContainerMatrixes>
<Consignments>
<Consignment>
<SequenceNo>9999</SequenceNo>
</Consignment>
<ArrivalTime>2001-12-17T09:30:47-05:00</ArrivalTime>
<DepartureTime>2001-12-17T09:30:47-05:00</DepartureTime>
<PortOfLoading>
<Locode>Strin</Locode>
<LocationName>String</LocationName>
<TerminalCode>String</TerminalCode>
```

<TerminalName>String</TerminalName>
<FairwaySectionCode>String</FairwaySectionCode>
<FairwayHectometre>Strin</FairwayHectometre>
</PortOfLoading>
<PortOfDischarge>
<Locode>Strin</Locode>
<LocationName>String</LocationName>
<TerminalCode>String</TerminalCode>
<TerminalName>String</TerminalName>
<FairwaySectionCode>String</FairwaySectionCode>
<FairwayHectometre>Strin</FairwayHectometre>
</PortOfDischarge>
<NameAddress>
<PartyFunction>MS</PartyFunction>
<PartyId>String</PartyId>
<PartyName>String</PartyName>
<Street>String</Street>
<City>String</City>
<PostalCode>String</PostalCode>
<Country>Str</Country>
</NameAddress>
<GoodsItems>
<GoodsItem>
<GoodsItemNo>99999</GoodsItemNo>
<NumberOfPackages>99999999</NumberOfPackages>
<TypeOfPackages>St</TypeOfPackages>
</GoodsItem>
<AdditionalInfo>
<TypeOfGood>D</TypeOfGood>
<HSCode>String</HSCode>
<CustomsStatus>T</CustomsStatus>
<CustomsRefNo>String</CustomsRefNo>
<Overseas>Y</Overseas>
</AdditionalInfo>
<GoodsDescription>
<GoodsName>String</GoodsName>
<NSTRCode>String</NSTRCode>
<HSCode>String</HSCode>
</GoodsDescription>
<DangerousGoodsInfo>
<DangerousGoods>
<Regulation>ANR</Regulation>
<Classification>String</Classification>
<AdditionalClassification>Text</AdditionalClassification>
<UNNumber>Stri</UNNumber>
<Flashpoint>3.14159</Flashpoint>
<FlashpointUnit>CEL</FlashpointUnit>
<PackingGroup>S</PackingGroup>
<EMSNumber>String</EMSNumber>
<MFAGNumber>Stri</MFAGNumber>
<HazardPlacard>
<HazardPlacardUpper>Stri</HazardPlacardUpper>
<HazardPlacardLower>Stri</HazardPlacardLower>

```
                    </HazardPlacard>
                    </DangerousGoods>
                    <TechnicalName>String</TechnicalName>
                    <Synonym>String</Synonym>
                    <NetWeight>0</NetWeight>
                    <DangerousGoodSplitGoodsPlacements>
                    <SplitGoodsPlacement>
                    <Placement>
                    <VesselId>Stringa</VesselId>
                    <VesselIDType>OFS</VesselIDType>
                    </Placement>
                    <Weight>999999999</Weight>
                    </SplitGoodsPlacement>
                    <ContainerStowage>
                    <Container>String</Container>
                    <StowageLocation>String</StowageLocation>
                    <Weight>999999999</Weight>
                    </ContainerStowage>
                    </DangerousGoodSplitGoodsPlacements>
                    </DangerousGoodsInfo>
                    <GoodSplitGoodsPlacements>
                    <SplitGoodsPlacement>
                    <Placement>
                    <VesselId>Stringa</VesselId>
                    <VesselIDType>OFS</VesselIDType>
                    </Placement>
                    <Weight>999999999</Weight>
                    </SplitGoodsPlacement>
                    <ContainerStowage>
                    <Container>String</Container>
                    <StowageLocation>String</StowageLocation>
                    <Weight>999999999</Weight>
                    </ContainerStowage>
                    </GoodSplitGoodsPlacements>
                    </GoodsItems>
                    </Consignments>
</ERINOT>
```

5.2 ERIRSP XML example

```
<?xml version="1.0" encoding="UTF-8"?>
<!--Sample XML file generated by XMLSPY v5 rel. 4 U (http://www.xmlspy.com)-->
<ERIRSP xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" VersionMajor="0" VersionMinor="0">
                    <MessageId>
                    <SenderId>String</SenderId>
                    <ReceiverId>String</ReceiverId>
                    <GenerationDateTime>Stringaaaa</GenerationDateTime>
                    <AckRequest>1</AckRequest>
                    <TestIndicator>1</TestIndicator>
                    <MessageType>VES</MessageType>
                    <MessageNo>String</MessageNo>
                    <MessageFunction>9</MessageFunction>
                    <ResponseType>AP</ResponseType>
```

```
                    </MessageId>
                    <EDIMapping>
                    <Syntax>String</Syntax>
                    <SyntaxVersion>String</SyntaxVersion>
                    <MessageType>String</MessageType>
                    <MessageVersion>String</MessageVersion>
                    <MessageRelease>String</MessageRelease>
                    <MessageControllingAgency>String</MessageControllingAgency>
                    <AssociationAssignedCode>String</AssociationAssignedCode>
                    </EDIMapping>
                    <MessageDateTime>2001-12-17T09:30:47-05:00</MessageDateTime>
                    <MessageRef>String</MessageRef>
                    <TransportRef>String</TransportRef>
                    <ErrorInformation>
                    <ErrorCode>String</ErrorCode>
                    <ErrorDescription>String</ErrorDescription>
                    </ErrorInformation>
                    <NamesAddresses>
                    <NameAddress>
                    <PartyFunction>MS</PartyFunction>
                    <PartyName>String</PartyName>
                    <Street>String</Street>
                    <City>String</City>
                    <PostalCode>String</PostalCode>
                    <Country>Str</Country>
                    </NameAddress>
                    <CommsContact>
                    <CommsNo>String</CommsNo>
                    <CommsChannel>TE</CommsChannel>
                    </CommsContact>
                    </NamesAddresses>
</ERIRSP>
```