

II

(Non-legislative acts)

REGULATIONS

COMMISSION IMPLEMENTING REGULATION (EU) 2019/1744

of 17 September 2019

on technical specifications for electronic ship reporting in inland navigation and repealing Regulation (EU) No 164/2010

THE EUROPEAN COMMISSION,

Having regard to the Treaty on the Functioning of the European Union,

Having regard to Directive 2005/44/EC of the European Parliament and of the Council of 7 September 2005 on harmonised river information services (RIS) on inland waterways in the Community ⁽¹⁾, and in particular point (b) of Article 5(1) thereof,

Whereas:

- (1) Electronic reporting in inland navigation should contribute to the safety and efficiency of inland navigation, by enabling electronic data interchange for reporting purposes to and between competent authorities and to facilitate electronic data interchange among the parties involved in inland waterway transport. Electronic reporting should help to avoid multiple reporting of the same data to competent authorities and other parties in the transport chain.
- (2) The development of harmonised river information services (RIS) laid down in Directive 2005/44/EC requires the establishment of technical specifications, including, inter alia, on electronic ship reporting.
- (3) The technical specifications for electronic ship reporting laid down in Commission Regulation (EU) No 164/2010 ⁽²⁾ specify the messages, data items, codes and references to be used in electronic reporting for enabling specific services and functions of RIS in line with Directive 2005/44/EC.
- (4) Technical specifications for electronic ship reporting should take due account of the technological progress and the experiences gained from their application, including the introduction of mandatory electronic reporting requirements on major rivers in Europe. For that reason, the technical specifications defined in Regulation (EU) No 164/2010 should be revised and clarified.
- (5) The revised technical specifications should take due account of the latest internationally adopted standards, guidelines and experiences gained as a result of their application, such as the relevant standards by the United Nations Economic Commission for Europe (UNECE), the Central Commission for the Navigation of the Rhine (CCNR) and other international bodies. In addition, the specific provisions of Directive (EU) 2016/1629 of the European Parliament and of the Council ⁽³⁾ and Commission Implementing Regulation (EU) 2018/2032 ⁽⁴⁾ should be considered.

⁽¹⁾ OJ L 255, 30.9.2005, p. 152.

⁽²⁾ Commission Regulation (EU) No 164/2010 of 25 January 2010 on the technical specifications for electronic ship reporting in inland navigation referred to in Article 5 of Directive 2005/44/EC of the European Parliament and of the Council on harmonised river information services (RIS) on inland waterways in the Community (OJ L 57, 6.3.2010, p. 1).

⁽³⁾ Directive (EU) 2016/1629 of the European Parliament and of the Council of 14 September 2016 laying down technical requirements for inland waterway vessels, amending Directive 2009/100/EC and repealing Directive 2006/87/EC (OJ L 252, 16.9.2016, p. 118).

⁽⁴⁾ Commission Implementing Regulation (EU) 2018/2032 of 20 November 2018 amending Commission Regulation (EC) No 416/2007 of 22 March 2007 concerning the technical specifications for Notices to Skippers (OJ L 332, 28.12.2018, p. 1).

- (6) The revised technical specifications should take due account of the requirement of compatibility with other modes of transport, in particular maritime transport. This should be achieved by making use of internationally standardised notification messages, accepted code lists and classifications and following guidelines as defined by the Protect ⁽³⁾ group.
- (7) Pursuant to Article 12(2) of Directive 2005/44/EC technical specifications should enter into force immediately after their publication and Member States should apply those specifications not later than 30 months after entry into force.
- (8) Taking into account the extent of required changes, Regulation (EU) No 164/2010 should be repealed.
- (9) The measures provided for in this Regulation are in accordance with the opinion of the Committee referred to in Article 11 of Directive 2005/44/EC,

HAS ADOPTED THIS REGULATION:

Article 1

The technical specifications for electronic ship reporting in inland navigation shall be as set out in the Annex.

Article 2

Regulation (EU) No 164/2010 is repealed.

Article 3

This Regulation shall enter into force on the day following that of its publication in the *Official Journal of the European Union*.

It shall apply not later than 30 months after its entry into force.

This Regulation shall be binding in its entirety and directly applicable in all Member States.

Done at Brussels, 17 September 2019.

For the Commission

The President

Jean-Claude JUNCKER

⁽³⁾ Protect: an organisation of European seaports that have developed common implementation guidelines for electronic standard messages (www.protect-group.org).

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1. PART I: MESSAGE IMPLEMENTATION MANUAL CONVENTION

1.1 Introduction

These technical specifications define the structure of four messages for electronic ship reporting in inland navigation, based on the United Nations rules for Electronic Data Interchange for Administration, Commerce and Transport (UN/EDIFACT) ⁽¹⁾ message structure and customised, where required, for the purpose of inland navigation.

In the case that electronic ship reporting in inland navigation is required by national or international law, these technical specifications shall be applied.

⁽¹⁾ Abbreviations used in this Annex are explained in the list in section 2.5.

The exact use of the messages, data elements and codes are defined in the Appendices (Message Implementation Manuals) in order to ensure a common understanding and usage of the messages.

The messages are:

1. (Dangerous) goods reporting message (IFTDGN) — ERINOT
2. Passenger and crew lists message (PAXLST)
3. ERINOT response and receipt message (APERAK) — ERIRSP
4. Berth management port notification message (BERMAN)

For sharing of information the use of XML technology is another possibility apart from the UN/EDIFACT standards.

1.2. UN/EDIFACT message structure

The message structure is based on ISO 9735.

UN/EDIFACT messages are composed of segments. The structure of a message is described in a branching diagram indicating the position and the mutual relationship of the segments and segment groups.

For each segment data elements are defined: some data elements are combined to form composite data elements. A segment and a data element within a segment are either mandatory (M) or conditional (C). Mandatory segments and/or data elements contain important data for a receiving application and shall be filled with valid data.

Each message starts with two or three segments, the 'interchange header' (UNB) and the 'message header' (UNH). Where required, also the 'service string advice' (UNA) is used as a first segment to define which character sets are used in the message. 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.

1.3. Introduction to message types

As mentioned in section 1.1, the four message types are:

1. (Dangerous) goods reporting message (IFTDGN) — ERINOT
2. Passenger and crew lists message (PAXLST)
3. ERINOT response and receipt message (APERAK) — ERIRSP
4. Berth management port notification message (BERMAN)

In addition, messages can fulfill the following functions:

- new message (identifier '9');
- modification of message (identifier '5');
- cancellation of message (identifier '1');
- end of voyage (identifier '22');
- interruption of voyage (identifier '150');
- restart of voyage (identifier '151').

1.3.1. ERINOT

The ERI notification message (ERINOT) shall be used for the reporting of voyage related information and of information on dangerous and non-dangerous cargo carried on-board vessels sailing on inland waterways. The ERINOT message is a specific use of the UN/EDIFACT 'International Forwarding and Transport Dangerous Goods Notification (IFTDGN)' message. For the data and codes contained in the message applications based on these message specifications, use has been made of the UN Directory D98B.

The ERINOT message encompasses the following types:

- transport notification from vessel to authority (identifier 'VES'), from ship to shore;
- transport notification from carrier to authority (identifier 'CAR'), from shore to shore;
- passage notification (identifier 'PAS'), from authority to authority.

1.3.2. PAXLST

The PAXLST message is based on the UN/EDIFACT message PAXLST. It shall be used for the exchange of data in inland navigation between the captain/skipper or carrier and designated authorities such as customs, immigration, police or terminals falling under the International Ship and Port Facility Security (ISPS) Code, as defined in Regulation (EC) No 725/2004 of the European Parliament and of the Council ⁽²⁾.

The message shall be also used to transfer passenger/crew data from a designated authority in the country of departure to the appropriate authorities in the country of arrival of the means of transport.

1.3.3. ERIRSP

The ERI response message (ERIRSP) is derived from the UN/EDIFACT APERAK message. It may be generated by the system of the designated authority. The response to a 'modification' or a 'cancellation' contains information whether or not the 'modification' or 'cancellation' has been processed by the receiving system.

1.3.4. BERMAN

The Berth Management (BERMAN) message combines the pre-arrival notification, respectively general declaration, into one single notification which is based on the EDIFACT message BERMAN from the UN/EDIFACT D04B directory.

The BERMAN message shall be sent by vessels sailing on inland waterways before arriving at or departing from a berth or a port and provides information about the time of arrival and the services required to ensure a prompt handling, to support procedures and to facilitate controls.

2. PART II: CODES AND REFERENCES

2.1. Introduction

Codes and references, as defined in this Part, shall be used in electronic ship reporting for inland navigation. The use of codes and references serves the purpose of unambiguousness: it eliminates the possible misinterpretation and facilitates the translation of messages into other languages.

Therefore the usage of codes and references is mandatory for the data elements indicated in the message implementation manuals. Those codes and references are also available electronically in the European Reference Data Management System (ERDMS) operated by the Commission.

Those codes and references shall be used whenever data is interchanged between various computer applications and between parties using different languages, even beyond the message types in the subject of this Annex.

2.2. Definitions

For the purposes of this Annex, the following definitions shall apply.

Agent means any person mandated or authorised to act for or to supply information on behalf of the (transport) operator of the vessel.

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

Blue cones means signals that inland vessels carrying out transport operations involving dangerous substances are required to show pursuant to the European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways (ADN), namely one, two or three blue cones by day and one, two or three blue lights at night.

Carrier or *transport operator* means the person responsible for the carriage of goods, either directly or using a third party.

Cargo means any goods, wares, merchandise and articles carried on a ship. So ship carries cargo consisting of one or more consignments (with the necessary equipment) each consisting of one or more goods items.

Code means a character string used as an abbreviated means of (a) recording or identifying information (b) to represent or identify information using a specific symbolic form that can be recognised by a computer.

Common access reference means a common key to relate all subsequent transfers of data to the same business case or file (Data Element 0068 TDED). The common access reference shall be regarded as a common denominator ⁽³⁾ linking through a unique number documents, electronic messages and other communications with the same objective and characteristics.

⁽²⁾ Regulation (EC) No 725/2004 of the European Parliament and of the Council of 31 March 2004 on enhancing ship and port facility security (OJ L 129, 29.4.2004, p. 6).

⁽³⁾ The common denominator means an attribute that is common to all members of a category.

A *consignment* means a separate identifiable number of goods transported from one consignor (port of loading) to one consignee (port of discharge) and identified and specified in one single transport document. A container as equipment shall in this context be seen as a separate identifiable packing unit for which separate bookings are done and as such shall be considered a single consignment.

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 consignee in relation to the contract of carriage (Synonyms: shipper, cargo sender).

Container means an item of equipment for transport purposes with the following characteristics:

1. a permanent character and accordingly strong enough to be suitable for repeated use;
2. specially designed to facilitate the carriage of goods, by one or more modes and means of transport;
3. fitted with devices permitting its ready handling, particularly from one mode of transport to another;
4. so designed as to be easy to fill and to empty.

The term container includes neither vehicles nor conventional packing.

Dangerous goods means the following categories, referred to in the relevant international instruments as defined in Directive 2002/59/EC of the European Parliament and of the Council (*):

- goods classified in the UNDG Code,
- goods classified in the ADN Code,
- goods classified in the IMDG Code,
- dangerous liquid substances listed in the IBC Code,
- liquefied gases listed in the IGC Code,
- solids referred to in Appendix B of the BC Code.

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

Deadweight tonnage (DWT) means the maximum displacement of a ship after deduction of the weight of the ship.

Displacement ton means a unit for measuring the displacement of ships equal to 35 ft³; this is approximately equal to the volume of a long ton (1 016,06 kg) of sea water.

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 email address, an agreed identifier or e.g. a number of the European Article Numbering Association (EAN 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.

Goods means movable property, merchandise or wares.

Goods item means whole or part of the cargo (consignment) received from the shipper, including any packaging material such as pallets supplied by the shipper.

Gross tonnage (GRT) means the measure of the overall size of a vessel determined in accordance with the provisions of the international convention on measurement of vessels, usually expressed in register ton.

Gross weight means the weight (mass) of goods including packing, but excluding the carriers equipment expressed in whole kilograms.

Message implementation manual means a manual that describes in detail how a certain standard message will be implemented and which segments, data elements, codes and references will be used and how.

(*) 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 (OJ L 208, 5.8.2002, p. 10).

Location means any named geographical place, such as a port, an inland freight terminal, an airport, a container freight station, a terminal or any other place where customs clearance or regular receipt or delivery of goods can take place, with permanent facilities used for goods movements associated with international trade or transport and used frequently for those purposes. The location shall be recognised as such by a competent national body.

Means of transport means the type of vehicle used for the transport of goods such as barge, truck, vessel or train.

Metric ton means a unit of weight equivalent to 1 000 kg.

Mode of transport means a method of transport used for the conveyance of goods e.g. by rail, by road, by sea, by inland waterways.

Next port of call means the consecutive place (port of call) where a ship will arrive after having made a voyage. The term is used, by the master only, to indicate the subsequent competent authority in accordance with the applicable regulations.

Passage point means a defined distinguishable spot which serves as a marker to determine parts of a voyage of a vessel and triggering a certain action. It may take the form a virtual line perpendicular on the fairway axis running from side to side of the fairway.

Port of call means a place where a vessel actually drops anchor, moors or otherwise comes to rest for a certain period of time to execute any necessary operations related to ship, cargo or crew.

Qualifier means a data element whose value is expressed as a code that gives specific meaning to the function of another data element or a segment.

Reference number means a number that serves to refer to or mention a relation or where applicable a restriction.

Register ton means a unit of internal capacity of ships equal to 100 cubic feet (2,8317 m³).

Segment means a predefined and identified set of functionally related data elements values which are identified by their sequential positions within the set. A segment starts with a segment tag and ends with a segment terminator. It can be a service segment or a user data segment.

Segment code means a code which uniquely identifies each segment as specified in a segment directory.

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, boat master).

Tag means a unique identifier for a segment or data element.

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 UNECE in the UN Trade Data Interchange Directory (UNTDID) and are maintained under agreed procedures.

Vessel traffic services (VTS) means services as defined in point 2.5 of the Annex to Commission Regulation (EC) No 414/2007⁽³⁾.

Voyage means the journey of a vessel between the port(s) of loading and the first port of discharge of a consignment.

2.3. Classifications and code descriptions

The following classifications shall be used in inland ship reporting:

1. Vessel and convoy type (UN Recommendation 28)
2. IMO ship identification number (IMO)
3. Unique European vessel identification number (ENI)

⁽³⁾ Commission Regulation (EC) No 414/2007 of 13 March 2007 concerning the technical guidelines for the planning, implementation and operational use of river information services (RIS) referred to in Article 5 of Directive 2005/44/EC of the European Parliament and of the Council on harmonised river information services (RIS) on inland waterways in the Community (OJ L 105, 23.4.2007, p. 1).

4. Harmonised Commodity Description and Coding System (HS) including Combined Nomenclature
5. Standard goods classification for transport statistics (NST)
6. International maritime dangerous goods code (IMDG)
7. European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways (ADN)
8. UN country code
9. UN location code (UN/LOCODE)
10. Fairway section code
11. Terminal code
12. Container size and type code
13. Container identification code
14. Package type code
15. Handling instructions
16. Purpose of call
17. Nature of cargo

In the following, details and remarks on the application of those codes in inland navigation and user guidelines are given.

2.3.1. *Vessel and convoy type (UN Recommendation 28)*

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 DATE	March 2001
AMENDMENT	UN/CEFACT 2010 or most current one.
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

SUCCINCT DESCRIPTION	That 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 European Reference Data Management Service (ERDMS) operated by the European Commission (EC).
LANGUAGES	English
ADDRESS OF RESPONSIBLE AGENCY	UNECE
REMARKS	The main set of code values is governed by an international body (UNECE). To ensure harmonisation, one single set of code values representing also additional vessel types may be used by all RIS applications.

<i>Example</i>	
8010	Motor freighter (Inland)
1500	General cargo vessel (sea)
<i>Usage in the implementation manuals</i>	TDT/C228/8179 (convoy)
	EQD(B)/C224/8155 (vessel)

2.3.2. IMO ship identification number (IMO)

FULL TITLE	IMO ship identification number
ABBREVIATION	IMO No
ORIGINATING AUTHORITY	International Maritime Organisation/Lloyds
LEGAL BASIS	IMO Resolution A.600(15), SOLAS chapter XI, regulation 3

CURRENT STATUS	Operational
IMPLEMENTATION DATE	—
AMENDMENT	Updated daily
STRUCTURE	Lloyd's Register of Shipping (LR) number (seven digits).
SUCCINCT DESCRIPTION	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 Organisation 4 Albert Embankment London SE1 7SR United Kingdom

<i>Example</i>	
Vessel dwt 2774	Danchem East 9031624
<i>Usage in the implementation manuals.</i>	TDT/C222/8213 EQD(1)/C237/8260 SGP/C237/8260

2.3.3. Unique European vessel identification number (ENI)

FULL TITLE	Unique European vessel identification number
ABBREVIATION	ENI
ORIGINATING AUTHORITY	European Union

LEGAL BASIS	Directive (EU) 2016/1629 of the European Parliament and of the Council ⁽⁶⁾ (Article 18, Article 2.18 of Annex V)
CURRENT STATUS	—
IMPLEMENTATION DATE	—
LIMIT OF OPERATIONAL LIFE	—
AMENDMENT	Continuously
STRUCTURE	8-digit-number
SUCCINCT DESCRIPTION	The unique European vessel identification number aims at assigning a permanent number to each vessel for identifying purposes.
LINKED CLASSIFICATIONS	IMO number
USAGE	In electronic ship reporting, tracking and tracing and certification of vessels for inland vessels.
MEDIA THROUGH WHICH AVAILABLE	(a) Competent authorities keep a register. Access will be granted to competent authorities of other Member States. (b) European Hull Data Base (c) Contracting States of the Mannheim Convention and other parties based on administrative agreements.
LANGUAGES	—
ADDRESS OF RESPONSIBLE AGENCY	European Union Member States and the Contracting States of the Mannheim Convention
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.
<i>Example</i>	
12345678	

⁽⁶⁾ Directive (EU) 2016/1629/EC of the European Parliament and of the Council of 14 September 2016 laying down technical requirements for inland waterway vessels, amending Directive 2009/100/EC and repealing Directive 2006/87/EC (OJ L 252, 16.9.2016, p. 118).

<i>Usage in the implementation manuals</i>	TDT, EQD (V1 and V2-V15) CNI/GID and CNI/GID/DGS, Tag 1 311
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2.3.4. *Harmonised Commodity Description and Coding System (HS) including Combined Nomenclature*

FULL TITLE	Harmonised commodity description and coding system
ABBREVIATION	HS; Harmonised System
ORIGINATING AUTHORITY	World Customs Organisation
LEGAL BASIS	International Convention on the Harmonised Commodity Description and Coding System
CURRENT STATUS	Operational
IMPLEMENTATION DATE	1 January 2007
AMENDMENT	In principle revised every five years. The latest version to be used.
STRUCTURE	7 466 headings, organised in four 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 by four-digit numerical codes Level 4: subheadings identified by six-digit numerical code
SUCCINCT DESCRIPTION	HS convention is a classification of goods by criteria based on raw material and the stage of production of commodities. HS is the heart of the whole process of harmonisation of international economic classifications being 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 harmonise (a) external trade classifications to guarantee direct correspondence; and (b) countries external trade statistics and to guarantee that those are comparable internationally.
LINKED CLASSIFICATIONS	Harmonised System (HS): full agreement on six-digit-level; Combined Nomenclature (CN) NST on 3-digit level

USAGE	Products
MEDIA THROUGH WHICH AVAILABLE	World Customs Organisation Rue de l'Industrie, 26-39 1040 Brussels, BELGIUM www.wcoomd.org Customs Cooperation Council, Brussels
LANGUAGES	All European Union official languages
ADDRESS OF RESPONSIBLE AGENCY	A subset of the codes used for electronic reporting will be maintained through the ERI Expert Group. European Reference Data Management Service (ERDMS) operated by the European Commission.
REMARKS	The HS classification is further subdivided at European Union level into a classification called Combined Nomenclature (CN)

<i>Example</i>	
730110	Sheet piling of iron or steel
310210	Mineral or chemical fertilisers, ammonium sulphate
<i>Usage in the implementation manuals</i>	CNI/GID/FTX(1)/C108/4440 CNI/GID/FTX(2)/C108/4440

2.3.5. Standard goods classification for transport statistics (NST)

FULL TITLE	Nomenclature uniforme de marchandises pour les statistiques de transport/Standard goods classification for transport statistics/ revised
ABBREVIATION	NST 2007
ORIGINATING AUTHORITY	European Commission (Statistical Office/Eurostat)
LEGAL BASIS	Commission Regulation (EC) No 1304/2007 ⁽⁷⁾

⁽⁷⁾ Commission Regulation (EC) No 1304/2007 of 7 November 2007 amending Council Directive 95/64/EC, Council Regulation (EC) No 1172/98, Regulations (EC) No 91/2003 and (EC) No 1365/2006 of the European Parliament and of the Council with respect to the establishment of NST 2007 as the unique classification for transported goods in certain transport modes (OJ L 290, 8.11.2007, p. 14).

CURRENT STATUS	—
IMPLEMENTATION DATE	1 January 2007
AMENDMENT	Regularly every two years. The latest version to be used
STRUCTURE	2 digit NST 2007 Level 1: a 2-digit CPA subdivision
SUCCINCT DESCRIPTION	Commodity Classification for Transport Statistics in Europe (CSTE)
LINKED CLASSIFICATIONS	Harmonised commodity description and coding system (HS) Combined Nomenclature (CN)
USAGE	Products
MEDIA THROUGH WHICH AVAILABLE	http://ec.europa.eu/eurostat/ramon/nomenclatures/index.cfm?TargetUrl=LST_NOM_DTL&StrNom=NST_2007&StrLanguageCode=EN&IntPcKey=&StrLayoutCode=HIERARCHIC European Reference Data Management Service (ERDMS) operated by the European Commission.
LANGUAGES	All European Union official languages
ADDRESS OF RESPONSIBLE AGENCY	Statistical Office of the European Communities Eurostat) Unit C2 Bâtiment BECH A3/112 2920 Luxembourg, LUXEMBOURG
REMARKS	—

2.3.6. *International maritime dangerous goods code (IMDG)*

FULL TITLE	International maritime dangerous goods code
ABBREVIATION	IMDG code
ORIGINATING AUTHORITY	International Maritime Organisation IMO
LEGAL BASIS	—
CURRENT STATUS	Operational
IMPLEMENTATION DATE	18 May 1965

AMENDMENT	1 January 2001 (30th amendment) approximately every 2 years
STRUCTURE	2-digit numerical code: 1-digit numerical for class 1-digit numerical for division
SUCCINCT DESCRIPTION	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 European Reference Data Management Service (ERDMS) operated by the European Commission. (Included in the ADN table)
LANGUAGES	Dutch, English, French, German
ADDRESS OF RESPONSIBLE AGENCY	International Maritime Organisation 4 Albert Embankment London SE1 7SR UNITED KINGDOM
REMARKS	For inland shipping the IMO code may be used as this code is often already known, where necessary an ADN corresponding with the IMDG code shall be inserted

<i>Example</i>	
32	Flammable liquid, not otherwise specified (Ethanol)
<i>Usage in the implementation manuals</i>	CNI/GID/DGS/C205/8351

2.3.7. Agreement on Dangerous Goods (ADN)

FULL TITLE	European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways (ADN)
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ABBREVIATION	ADN
ORIGINATING AUTHORITY	UN Economic Commission for Europe (English, French and Russian version of ADN) Central Commission for the Navigation of the Rhine (German version of ADN)
LEGAL BASIS	Directive 2008/68/EC of the European Parliament and of the Council (*)
CURRENT STATUS	Operational
IMPLEMENTATION DATE	Operational
AMENDMENT	Regularly every two years as indicated
STRUCTURE	<p>For goods on dry cargo vessel:</p> <ul style="list-style-type: none"> — UN number — Name of the substance (in accordance with table A of part 3 of ADN) — Class — Danger classification code — Packing group — Hazard Identification placard (label) <p>For goods on tank vessels:</p> <ul style="list-style-type: none"> — UN number — Name of substance (in accordance with table C of part 3 of ADN) — Class — Packing group
SUCCINCT DESCRIPTION	The ADN, the European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways which will replace the various regional agreements.
LINKED CLASSIFICATIONS	ADN, ADR, RID
USAGE	Transport of dangerous goods in inland navigation

(*) Directive 2008/68/EC of the European Parliament and of the Council on the inland transport of dangerous goods (OJ L 260, 30.9.2008, p. 13).

MEDIA THROUGH WHICH AVAILABLE	https://www.unece.org/trans/danger/publi/adn/adn_e.html www.ccr-zkr.org http://www.danubecommission.org/ European Reference Data Management Service (ERDMS) operated by the European Commission.
LANGUAGES	English, French, German
ADDRESS OF RESPONSIBLE AGENCY	UN Economic Commission for Europe, Palais des Nations, CH-1211 Geneva 10, SWITZERLAND Central Commission for the Navigation of the Rhine, 2, Place de la Republique, 67082 Strasbourg Cedex, FRANCE
REMARKS	The provisions of the European Agreement concerning the international carriage of dangerous goods by inland waterways (ADN) are applicable on all European waterways (including the Rhine and the Danube). The 2017 edition of ADR/RID/ADN is harmonised with the 20th revised edition of the UN Model Regulations and has entered into force on 1 January 2017.

<i>Example</i>	
for dry cargo vessel:	for tank vessel:
1203; petrol; 3; F1; III; 3	1203; petrol; 3; III;
<i>Usage in the implementation manuals</i>	CNI/GID/DGS/C205/8078

2.3.8. UN country code

FULL TITLE	International standard codes for the representation of the names of countries
ABBREVIATION	ISO 3166-1
ORIGINATING AUTHORITY	International Organisation for Standardisation (ISO)
LEGAL BASIS	UN Recommendation 3 (codes for the representation of the names of countries)
CURRENT STATUS	Operational
IMPLEMENTATION DATE	1974

AMENDMENT	As per ISO 3166-1
STRUCTURE	Two-letter-alpha code (to be used in principle) Three-digit numeric code (alternatively)
SUCCINCT DESCRIPTION	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 independent of the alphabet.
LINKED CLASSIFICATIONS	UN/LOCODE
USAGE	This code is used as one element in the combined location code in chapter 2.4 of this Annex.
MEDIA THROUGH WHICH AVAILABLE	UNECE http://www.unece.org/cefact/locode/welcome.html European Reference Data Management Service (ERDMS) operated by the European Commission.
LANGUAGES	English
ADDRESS OF RESPONSIBLE AGENCY	http://www.unece.org/cefact
REMARKS	See chapter 2.4 of this Annex for the combination of the alpha country code with the location code.

<i>Example</i>	
BE	Belgium
<i>Usage in the implementation manuals</i>	ERINOT Message: TDT/C222/8453 NAD(1)/3207 NAD(2)/3207 ERIRSP Message NAD(1)/3207

2.3.9. UN location code (UN/LOCODE)

FULL TITLE	UN code for trade and transport locations
ABBREVIATION	UN/LOCODE
ORIGINATING AUTHORITY	UNECE/CEFACT
LEGAL BASIS	UNECE Recommendation 16
CURRENT STATUS	Operational
IMPLEMENTATION DATE	1980
AMENDMENT	2018-2 (December 2018)
STRUCTURE	<p>ISO 3166-1 country code (alpha 2-digit) followed by a space and a 3-digit-alpha code for the place names (5 digits)</p> <p>Place name (a..29)</p> <p>Subdivision ISO 3166-2, optional (a..3)</p> <p>Function, mandatory (an..5)</p> <p>Remarks, optional (an..45)</p> <p>Geographical coordinates (000N 0000 W, 000 S 00000 E)</p>
SUCCINCT DESCRIPTION	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 where 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 in chapter 2.4 of this Annex.
MEDIA THROUGH WHICH AVAILABLE	<p>http://www.unece.org/cefact/locode/welcome.html</p> <p>European Reference Data Management Service (ERDMS) operated by the European Commission.</p>

LANGUAGES	English
ADDRESS OF RESPONSIBLE AGENCY	UNECE
REMARKS	See also chapter 2.4 of this Annex.

<i>Example</i>	
BEBRU	Belgium Brussels
<i>Usage in the implementation manuals</i>	TDT/LOC (1..9)/C517/3225 CNI/LOC(1..2)/C517/3225

2.3.10. 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 DESCRIPTION	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	UN/LOCODE

USAGE	Numbering of the waterways in a national network. This code is used as one element in the combined location code in chapter 2.4 of this Annex.
MEDIA THROUGH WHICH AVAILABLE	European Reference Data Management Service (ERDMS) operated by the European Commission
LANGUAGES	—
ADDRESS OF RESPONSIBLE AGENCY	National administrations of waterways
REMARKS	See also Chapter 2.4 of this Annex.

<i>Example</i>	
03937	Rhein, Rüdeshheimer Fahrwasser
02552	Oude Maas at Dordrecht
<i>Usage in the implementation manuals</i>	TDT/LOC/C517/3225 CNI/LOC/C517/3225
<i>See:</i>	See this document and implementation manuals Definition of the revised location and terminal code
<i>Remark 1:</i>	If there is no fairway code available, the field shall be filled in with zeros.
<i>Remark 2:</i>	See also Chapter 2.4 of this Annex.

2.3.11. Terminal code

FULL TITLE	Terminal code
ABBREVIATION FROM	—
ORIGINATING FROM	National waterway authorities or user communities
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 DESCRIPTION	A further specification of the location of a terminal within the location of the port in the country.
LINKED CLASSIFICATIONS	UN/LOCODE
USAGE	This code is used as one element in the combined location code in chapter 2.4 of this Annex.
MEDIA THROUGH WHICH AVAILABLE	European Reference Data Management Service (ERDMS) operated by the European Commission.
LANGUAGES	—
ADDRESS OF RESPONSIBLE AGENCY	National administrations of waterways or respective user communities.
REMARKS	It is of the utmost importance that maintenance of the codes is done in such way that maximum stability and consistency is achieved to ensure that no changes are necessary apart from additions and deletions. See also chapter 2.4 of this Annex.
<i>Example</i>	
LEUVE	Leuvehaven at Rotterdam, NL
<i>Usage in the implementation guidelines</i>	TDT/LOC/C517/3225 CNI/LOC/C517/3225
<i>See:</i>	Implementation manuals and this document Definition of the revised location and terminal code
<i>Remark 1:</i>	If there is no terminal code available, the field shall be filled in with zeros

Remark 2:	Each national RIS-authority will be responsible for its own data.
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2.3.12. Container size and type code

FULL TITLE	Freight containers — coding, identification and marking
ABBREVIATION	—
ORIGINATING AUTHORITY	International Organisation for Standardisation (ISO)
LEGAL BASIS	ISO 6346, chapter 4 and annexes D and E
CURRENT STATUS	Operational
IMPLEMENTATION DATE	—
AMENDMENT	3rd edition 1 December 1995
STRUCTURE	Container size: two alphanumeric characters(first for length, second for combination of height and width) Container type: two alphanumeric characters
SUCCINCT DESCRIPTION	Size and type codes established 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 European Reference Data Management Service (ERDMS) operated by the European Commission.
LANGUAGES	English
ADDRESS OF RESPONSIBLE AGENCY	—
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 shall not be broken into its component parts (ISO 6346:1995)

<i>Example</i>	
42	Length: 40 ft.; height: 8 ft. 6 in.; width: 8 ft.
<i>Example for type</i>	
GP	General purpose container
BU	Dry bulk container
<i>Usage in the implementation manuals</i>	Where appropriate EQD segment

2.3.13. Container identification code

FULL TITLE	Freight containers — coding, identification and marking
ABBREVIATION	—
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	1995
AMENDMENT	—
STRUCTURE	Owner code: Three letters Equipment category identifier: one letter Serial number: six numerals Check digit: one numeral
SUCCINCT DESCRIPTION	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
LANGUAGES	English
ADDRESS OF RESPONSIBLE AGENCY	Bureau International des Conteneurs (BIC), 167 rue de Courcelles, 75017 Paris, France, http://www.bic-code.org/
REMARKS	—

<i>Example</i>	
KNLU4713308	NEDLLOYD maritime freight container with serial number 471330, (8 is the check digit)
<i>Usage in the implementation manuals</i>	CNI/GID/DGS/SGP/C237/8260

2.3.14. Package type

FULL TITLE	Codes for types of 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 DESCRIPTION	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 European Reference Data Management Service (ERDMS) operated by the European Commission.
LANGUAGES	English, French, German
ADDRESS OF RESPONSIBLE AGENCY	—
REMARKS	The numeric code value is not used in this standard

<i>Example</i>	
BG	Bag
BX	Box
<i>Usage in the implementation manuals</i>	CNI/GID/C213/7065

2.3.15. 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 July 2005
AMENDMENT	Trade/CEFACT/2005/

STRUCTURE	Repr: an..3 Code-value name 3-digit alpha code value description
SUCCINCT DESCRIPTION	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.unece.org/cefact
LANGUAGES	English
ADDRESS OF RESPONSIBLE AGENCY	—
REMARKS	The numeric code value is not used in this standard

<i>Example</i>	
LOA	Loading
DIS	Discharge
RES	Re-stow
<i>Usage in the implementation manuals</i>	LOC/HAN/C524/4079

2.3.16. Purpose of call

FULL TITLE	Conveyance call purpose description code
ABBREVIATION	POC C525
ORIGINATING AUTHORITY	UN CEFAC

LEGAL BASIS	—
CURRENT STATUS	Operational
IMPLEMENTATION DATE	25 July 2005
AMENDMENT	Trade/CEFACT/2005
STRUCTURE	Repr an..3 2-character numeric code value Code-value name
SUCCINCT DESCRIPTION	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	—
REMARKS	The numeric code value is used in this standard
<i>Example</i>	
1	Cargo operations
23	Waste disposal
<i>Usage in the implementation manuals</i>	TSR/POC/C525/8025

2.3.17. *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 July 2005
AMENDMENT	Trade/CEFACT/2005
STRUCTURE	an..3 2-character numeric code value Code-value name 2-digit numeric code value description
SUCCINCT DESCRIPTION	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	—
REMARKS	The numeric code value is used in these technical specifications

<i>Example</i>	
5	Other non-containerised
30	Cargo in bulk
<i>Usage in the implementation manuals</i>	TSR/LOC/HAN/C703/7085

2.4. Location codes

The ISRS Location Code is defined in Implementing Regulation (EU) 2018/2032.

2.5. List of abbreviations

Abbreviations	Description
ADN	European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways (Directive 2008/68/EC of the European Parliament and of the Council of 24 September 2008 on the inland transport of dangerous goods)
ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road (ADR)
BERMAN	Berth management (EDI message)
CCNR	Central Commission for the Navigation of the Rhine
DWT	Dead weight
EDI	Electronic data interchange
ENI	Unique European vessel identification number
ERDMS	European Reference Data Management Service
ERI	Electronic reporting international
ERINOT	ERI notification (message)
ERIRSP	ERI response (message)
ETA	Estimated time of arrival
ETD	Estimated time of departure
HS Code	Harmonised commodity description and coding system of WCO

Abbreviations	Description
IFTDGN	International forwarding and transport dangerous goods notification (message)
IMDG	International maritime dangerous goods code (number)
IMO	International Maritime Organisation
IMO-FAL	Convention on the Facilitation of International Maritime Traffic, 1965, with amendments
ISO	International Standardisation Organisation
ISPS	International ship and port facility security (code)
LOCODE	UNECE location code for ports and freight stations
NST 2007	Standard goods classification for transport statistics (to be used from 2007 onwards)
PAXLST	Passenger list (message)
PROTECT	International Organisation of North Europeans Ports dealing with dangerous goods message implementation
RID	Regulations Concerning the International Carriage of Dangerous Goods by Rail (RID)
RIS	River information services
SOLAS	Safety of Lives at Sea IMO Convention
TARIC	Integrated Tariff of the European Communities
UN/CEFACT	UN Centre for Trade Facilitation and Electronic Business
UNECE	United Nations Economic Commission for Europe
UN/EDIFACT	Electronic data interchange for administration, commerce and transport
UN/LOCODE	United Nations location code
UNDG	United Nations dangerous goods (number)
UNTDID	United Nations trade data interchange directory

Abbreviations	Description
URL	Uniform resource allocator (Internet address)
VTM	Vessel traffic management
WCO	World Customs Organisation
XML	Extended markup language

*Appendix 1***(Dangerous) Goods Reporting (IFTDGN) — ERINOT****1. ERI NOTIFICATION MESSAGE**

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. The ERINOT message is based on EDIFACT directory 98.B and Protect version 1.0.

The segment table of ERINOT message is depicted in chapter 1.4. The branching diagram of the ERINOT message is depicted in chapter 1.5

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

1.1 Field of application

The ERI notification message (ERINOT) shall be used by skippers and on behalf of skippers by transport operators and agents for the reporting of dangerous and non-dangerous cargo carried by inland waterway vessels.

The message supports the implementation — by means of EDI — of the following reporting needs:

- applicable police regulations either on Member States level or locally (eg. specific requirements in specific ports);
- reporting requirements set by river commissions (eg. on the Rhine set by CCNR);
- goods reporting for statistics purposes (Member States level or Eurostat).

1.2 Principles

The ERINOT message is a specific standard implementation and use of the UN/EDIFACT 'International Forwarding and Transport Dangerous Goods Notification (IFTDGN)' message such as has been developed within the PROTECT seaports organisation.

This standard message implementation guideline has been accepted by the IMO for the reporting of dangerous goods to authorities. It has been designated as the message from the party responsible to report 'dangerous' goods to the authority performing the control and checks on conformance with the legal requirements. The message is conveying information on the 'dangerous' goods being loaded, discharged or in transit relating to a means of transport.

Where reporting is mandatory and if technically feasible, an ERI notification message is to be composed and sent to the competent authority for each inland waterway transport.

However all vessels are invited to report electronically to the competent authorities whenever possible. Where available, this may be done through a Single Window ⁽¹⁾ to come to the envisioned reduction of procedures.

The notification message based on this standard message can be depicted as follows:

'ERI (Electronic Reporting International) Notification Message' with the following types:

- transport notification from vessel to authority from ship to shore;
- transport notification from carrier to authority from shore to shore;
- passage notification from authority to authority.

1.3 Segment index (alphabetical sequence by tag)

BGM Beginning of message

CNI Consignment information

COM Communication contact

CTA Contact information

⁽¹⁾ UN/CEFACT Recommendation No 33, Recommendation and Guidelines on establishing a Single Window

DGS Dangerous goods
 DTM Date/time/period
 EQD Equipment details
 FTX Free text
 GID Goods item details
 HAN Handling instructions
 LOC Place/location identification
 MEA Measurements
 NAD Name and address
 RFF Reference
 SGP Split goods placement
 TDT Details of transport
 UNH Message header
 UNT Message trailer

1.4 Segment table

[S] Status, [R] Recurrence, [M] Mandatory, [C] Conditional, [D] Dependent on business rules

Pos	Tag	Name	S	R
0010	UNH	Message header	M	1
0020	BGM	Beginning of message	M	1
0040	FTX	Free text	C	3
0050	HAN	Handling instructions	D [1]	1
0060		Segment Group 1	C	3
0070	REF	Reference	M	1
0090		Segment Group 2	M	1
0100	TDT	Details of transport	M	1
0110	RFF	Reference	M	9
0120	LOC	Place/location identification	M	9
0130	DTM	Date/time/period	M	2
0140		Segment Group 3	M	2
0150	NAD	Name and address	M	1
0160		Segment Group 4	C	1
0170	CTA	Contact information	M	1
0180	COM	Communication contact	C	4
0190		Segment Group 5	M	99

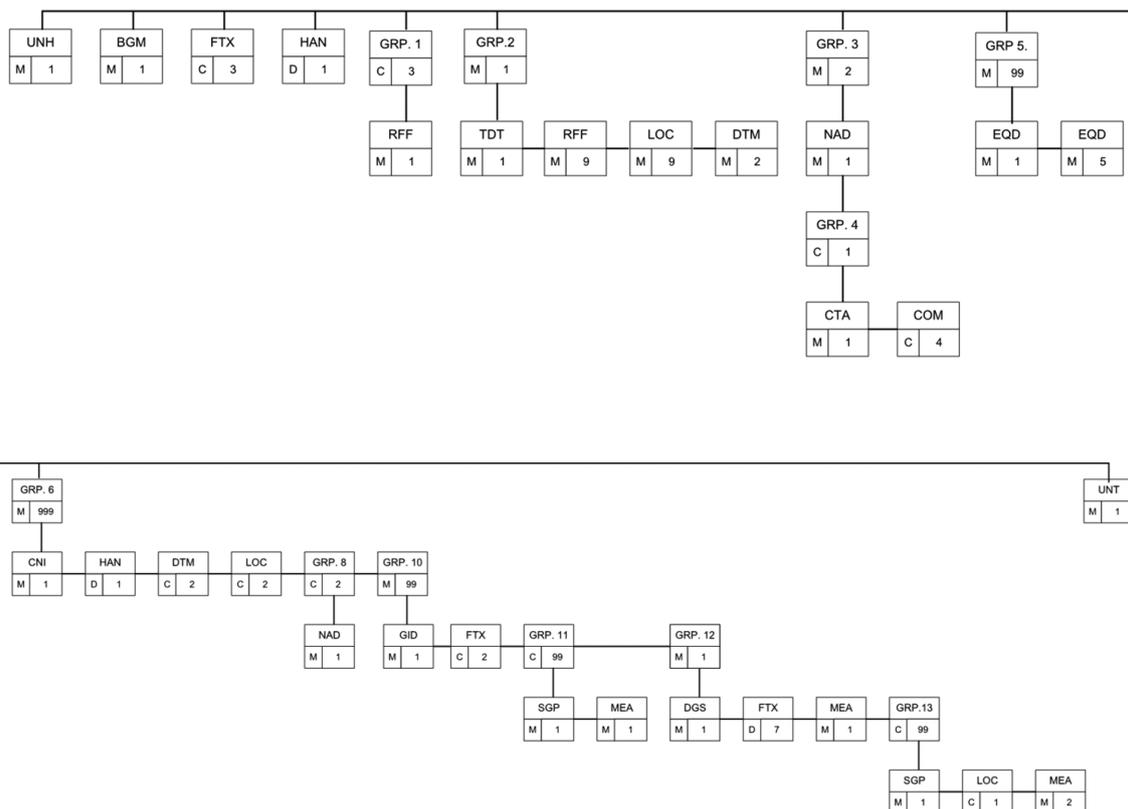
Pos	Tag	Name	S	R
0200	EQD	Equipment details	M	1
0210	MEA	Measurements	M	5
0220		Segment Group 6	M	999
0230	CNI	Consignment information	M	1
0240	HAN	Handling instructions	D [1]	1
0250	DTM	Date/time/period	C	2
0260	LOC	Place/location identification	C	2
0300		Segment Group 8	C	2
0310	NAD	Name and address	M	1
0360		Segment Group 10	M	99
0370	GID	Goods item details	M	1
0380	FTX	Free text	C	2
0400		Segment Group 11	C	99
0410	SGP	Split goods placement	M	1
0420	MEA	Measurements	M	1
0430		Segment Group 12	M	1
0440	DGS	Dangerous goods	M	1
0450	FTX	Free text	D[5]	7
4600	MEA	Measurements	M	1
4700	LOC	Place/location identification	C	0
0480	RFF	Reference	C	0
0490		Segment Group 13	C	99
0500	SGP	Split goods placement	M	1
0510	LOC	Place/location identification	C	1
0520	MEA	Measurements	D[6]	2
0530	UNT	Message trailer	M	1

Business rules

D[1]	The HAN-segment has to appear once, either in the vessel voyage details, on message level, or in the cargo details
D[5]	If mandatory by the applicable police regulations, this data shall be given in compliance with police regulations and then in accordance with the ADN

Business rules	
D[6]	The message shall contain at least one MEA-segment For the transport of liquid cargo the MEA with the measurement purpose qualifier 'VOL' shall be used For container transport the MEA with the measurement purpose qualifier 'WT' shall be used In case of a tank container both measurement purpose qualifiers are required
D[USE 1]	If the code is XXXXX, then this data-element shall be completed
D[USE 2]	If containers are carried, then this data shall be given
D[USE 3]	HS-code has preference
D[USE 4]	If the container type is known, then this data shall be given
D[USE 5]	If mandatory by the applicable police regulations, this data shall be given in compliance with police regulations and then in accordance with the ADN
D[USE 6]	The HAN-segment shall be present at least once
D[USE 7]	The transport equipment verified gross mass or estimated gross weight shall be given

1.5. Branching diagram (ERI notification message)



2. 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	Status	Format	Name	Description Qualifiers in quotation 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 or the unique identifier of a RIS-centre or traffic post
	0007		C	an..4	Partner identification code qualifier	n.a.
	0008		C	an..14	Address for reverse routing	n.a.
	S003		M		INTERCHANGE RECIPIENT	

1	2	3	4	5	6	7
	0010		M	an..35 (an25)	Recipient identification	Mailbox number or unique name or the unique identifier of a RIS-centre or traffic post
	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				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.

1	2	3	4	5	6	7
	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
	UNH	0	M		<i>MESSAGE HEADER</i>	Identification, specification and heading of a message
	0062		M	an..14	Message reference number	First 14 positions of the message reference number
	S009		M		<i>MESSAGE IDENTIFIER</i>	
		0065	M	an..6	Message type	'I'FTDGN', 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	'ERI13', ERI Version 1.3

1	2	3	4	5	6	7
	0068		O	an..35	Common access reference	This unique reference code is meant 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		<i>BEGINNING OF MESSAGE</i>	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 (also see section 0)
	1131			an..3	Code list qualifier	n.a.
	3055			an..3	Code list responsible agency	n.a.

1	2	3	4	5	6	7
	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 shall 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 shall be used. The transitional system shall 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	<i>Function of message:</i> '1' = cancellation message '9' = new message, (original) '5' = modification message '22' = Final transmission (End of voyage) '150' = Interruption of voyage '151' = Restart of voyage

1	2	3	4	5	6	7
	4343		C	an..3	Response type code	AQ
	FTX (1)	0	C		<i>FREE TEXT</i>	To notify the number of <i>persons on board</i> and the number of <i>blue cones</i>
	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 (If the total number of persons is not known or indicated, this field shall be filled with '9999')

1	2	3	4	5	6	7
	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 special permit Note: Number of cones '0' will indicate that this is the result of the system which calculated zero blue cones, if the field is left blank this will indicate that no data is available.
	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)	0	C		<i>FREE TEXT</i>	<i>To indicate whether the information in the message may be forwarded by the receiver to other authorities</i>
	4451		M	an..3	Text subject code qualifier	'ACK' for 'Privacy statement' or 'Confidential nature'

1	2	3	4	5	6	7
	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
	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.

1	2	3	4	5	6	7
	4447			an..3	Text formatting, coded	n.a.
	FTX(3)	0	C		FREE TEXT	<i>Reason for cancellation</i>
	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

1	2	3	4	5	6	7
	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			an..3	Language, coded	n.a.
	4447			an..3	Text formatting, coded	n.a.
	HAN(1)	0	D[6]			
	C524		M		HANDLING INSTRUCTIONS	
	4079		M	an..3	Handling instructions, coded	Default 'T' T = Transit LLO = Loading LDI = Unloading TSP = Transit in the same port
	1131				Code list qualifier	n.a.
	3055				Code list responsible agency, coded	n.a.

1	2	3	4	5	6	7
	4078				Handling instructions	n.a.
	C218				HAZARDOUS MATERIAL	n.a.
	7419				Hazardous material class code, identification	n.a.
	1131				Code list qualifier	n.a.
	3055				Code list responsible agency, coded	n.a.
	7418				Hazardous material class	n.a.
GRP 1	RFF (1)	1	C		REFERENCE	Reference to the message for which the current message is a <i>replacement</i> . 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.
GRP 1	RFF (2)	1	C		REFERENCE	Reference to <i>transport document</i>

1	2	3	4	5	6	7
	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.
GRP 1	RFF (3)	1	C		REFERENCE	Reference to a <i>test scenario</i>
	C506		M		REFERENCE	
	1153		M	an..3	Reference qualifier	'ADD' for test number
	1154		M	an..35	Reference number	Test scenario identification, which shall 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.
GRP 2	TDT	1	M		DETAILS OF TRANSPORT	Specification of the means of transport, the <i>naming vessel within a convoy</i> (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

1	2	3	4	5	6	7
	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 UNECE 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, <i>convoy type</i>	Code for ship and convoy types of means of transport from UN/CEFACT Rec. 28, see Annex Part II, Chapter 2.3.1
	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.

1	2	3	4	5	6	7
	7130			an..17	Customer authorisation number	n.a.
	C222		M		TRANSPORT IDENTIFICATION	
	8213		M	an..9 (an7..8)	ID. of means of transport identification	Vessel <i>number</i> : 7 digits for IMO indication or unique European vessel identification number (ENI)
	1131		M	an..3	Code list qualifier	'IMO' for an IMO-number, see Annex Part II, Chapter 2.3.2 'ENI' for a unique European vessel identification number, see Annex Part II, Chapter 2.3.3
	3055			an..3	Code list responsible agency	n.a.
	8212		M	an..35	Id. of the means of transport	<i>Name of the ship</i> ; 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 Part II, Chapter 2.3.8. 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 shall be used.
	8281			an..3	Transport ownership	n.a.
TDT	RFF (1)	1	M		REFERENCE	Dimensions of the transport, <i>length</i>
	C506		M		REFERENCE	
	1153		M	an..3	Reference qualifier	'LEN' = Length

1	2	3	4	5	6	7
	1154		M	an..35 (n..5)	Reference number	Total length 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 (2)	1	M		REFERENCE	Dimensions of the transport, <i>width</i>
	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.
TDT	RFF (3)	1	M		REFERENCE	Dimensions of the transport, <i>draught</i>
	C506		M		REFERENCE	
	1153		M	an..3	Reference qualifier	'DRA'

1	2	3	4	5	6	7
	1154		M	an..35 (n..4)	Reference number	Draught of the convoy in centimetres (If due to legal restriction this data cannot be submitted, the value of this field shall be '9999')
	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)	1	C		REFERENCE	Dimensions of the transport, <i>height</i>
	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)	1	M		REFERENCE	Dimensions of the transport, <i>tonnage</i>
	C506		M		REFERENCE	Reference

1	2	3	4	5	6	7
	1153		M	an..3	Reference qualifier	'TON'
	1154		M	an..35 (n..6)	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)	1	C		REFERENCE	<i>National voyage reference, Belgium, France, Germany</i>
	C506		M		REFERENCE	Reference
	1153		M	an..3	Reference qualifier	'GNB' = Belgium 'GNF' = France 'GNG' = Germany 'GNI' = reserved
	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.

1	2	3	4	5	6	7
TDT	RFF (7)	1	C		REFERENCE	LNG installation indicator
	C506		M		REFERENCE	Reference
	1153		M	an..3	Reference qualifier	'LNG'
	1154		M	an..35 (an1)	Reference number	'Y' = Yes
	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)	1	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	UNECE location code (Rec. 16), see Annex Part II, Chapter 2.3.9
	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

1	2	3	4	5	6	7
	C519		C		RELATED LOCATION ONE IDENTIFICATION	
	3223		M	an..25 (an..5)	Related place/location one identification	Terminal code, see Annex Part II, Chapter 2.3.11
	1131			an..3	Code list qualifier	n.a.
	3055			an..3	Code list responsible agency	n.a.
	3222		D [Use 1]	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 Part II, Chapter 2.3.10
	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.
TDT	LOC (2)	1	C		<i>PLACE/LOCATION IDENTIFICATION</i>	<i>Passage point that has already been passed by the ship. This segment and the TDT/DTM(2) segment with qualifier 186 are mandatory for passage reports.</i>

1	2	3	4	5	6	7
	3227		M	an..3	Place/location qualifier	'172' for passage point
	C517		M		LOCATION IDENTIFICATION	
	3225		M	an..25 (an5)	Place/location identification	UNECE location code (Rec. 16) of the passage point (lock, bridge, traffic centre), see Annex Part II, Chapter 2.3.9
	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 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 Part II, Chapter 2.3.10

1	2	3	4	5	6	7
	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.
TDT	LOC (3)	1	C		<i>PLACE/LOCATION IDENTIFICATION</i>	<i>Next passage point</i>
	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	UNECE location code (Rec. 16) of the passage point (lock, bridge, VTS centre), see Annex Part II, Chapter 2.3.9
	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

1	2	3	4	5	6	7
	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 Part II, Chapter 2.3.10
	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.
TDT	LOC (4..8)	1	C		<i>PLACE/LOCATION IDENTIFICATION</i>	<i>Further future passage points (information on intended route). At most five intermediate points on the route may be given. The order of passage shall be the order within the message.</i>
	3227		M	an..3	Place/location qualifier	'92' for routing
	C517		M		LOCATION IDENTIFICATION	

1	2	3	4	5	6	7
	3225		M	an..25 (an5)	Place/location identification	UNECE location code (Rec. 16) of the passage point (lock, bridge, traffic centre), see Annex Part II, Chapter 2.3.9
	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		C	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 Part II, Chapter 2.3.10
	1131			an..3	Code list qualifier	n.a.
	3055			an..3	Code list responsible agency	n.a.

1	2	3	4	5	6	7
	3232		C	an..70 (an..5)	Related place/location two	Fairway section hectometre
	5479			an..3	Relation	n.a.
TDT	LOC (9)	1	M		<i>PLACE/LOCATION IDENTIFICATION</i>	<i>Port of destination.</i> 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	UNECE location code (Rec. 16) of the port, see Annex Part II, Chapter 2.3.9
	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
	C519		C		RELATED LOCATION ONE IDENTIFICATION	
	3223		M	an..25 (an..5)	Related place/location one identification	Terminal code, see Annex Part II, Chapter 2.3.11
	1131			an..3	Code list qualifier	n.a.
	3055			an..3	Code list responsible agency	n.a.
	3222		D [Use 1]	an..70	Related place/location one	Full name of the terminal

1	2	3	4	5	6	7
	C553		C		RELATED LOCATION TWO IDENTIFICATION	
	3233		M	an..25 (an5)	Related place/location two identification	Fairway section code, see Annex Part II, Chapter 2.3.10
	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.
TDT/LOC(1)	DTM (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/LOC(2)	DTM (2)	2	C		DATE/TIME/PERIOD	Passage time, as recorded by the traffic centre
	C507		M		DATE/TIME/PERIOD	

1	2	3	4	5	6	7
	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/LOC(9)	DTM (3)	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
	2379		M	an..3	Date or time or period format code	'201' for YYMMDDHHMM
GRP 3	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 DETAILS	
	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.

1	2	3	4	5	6	7
	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/PO box	Street and number or post office box
	3042			an..35	Street and number/PO box	n.a.
	3042			an..35	Street and number/PO box	n.a.

1	2	3	4	5	6	7
	3042			an..35	Street and number/PO 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 identification code
	3207		C	an..3	Country	ISO 3166-1 two alpha country code, see Annex Part II, Chapter 2.3.8
GRP 4 NAD	CTA	2	C		<i>CONTACT INFORMATION</i>	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	2	C		<i>COMMUNICATION CONTACT</i>	Sender communication contact details (maximum 4 times)
	C076		M		COMMUNICATION CONTACT	
	3148		M	an..70	Communication number	Communication number

1	2	3	4	5	6	7
	3155		M	an..3	Communication channel qualifier	'TE' for telephone number 'FX' for fax number 'EM' for email address 'EI' for EDI mailbox number (EDI number <i>or</i> email 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 email address is not to be used).
NAD	NAD (2)	1	C		NAME and ADDRESS	Name and address of <i>agent/invoicee</i>
	3035		M	an..3	Party function code qualifier	'CG' for agent/invoice address (for VNF this segment is mandatory)
	C082		C		PARTY IDENTIFICATION DETAILS	
	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.

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.
	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/PO box	Address (street name + number or post office box number)
	3042			an..35	Street and number/PO box	n.a.
	3042			an..35	Street and number/PO box	n.a.
	3042			an..35	Street and number/PO 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

1	2	3	4	5	6	7
	3207		C	an..3	Country	ISO 3166-1 two alpha country code, see Annex Part II, Chapter 2.3.8
GRP 5	EQD (1)	1	M		<i>EQUIPMENT DETAILS</i>	Specification of the <i>VESSELS</i> within the convoy (for each vessel 1 segment, also the main vessel), <i>propulsed vessel</i>
	8053		M	an..3	Equipment type code qualifier	'BRY' for vessel participating in the propulsion
	C237		M		<i>EQUIPMENT IDENTIFICATION</i>	
	8260		M	an..17 (an7..8)	Equipment identification number	Vessel number: 7 digits for IMO indication or 8 digits for unique European vessel identification number (ENI)
	1131		M	an..3	Code list qualifier	'IMO' for an IMO number, see Annex Part II, Chapter 2.3.2 'ENI' for a unique European vessel identification number, see Annex Part II, Chapter 2.3.3
	3055			an..3	Code list responsible agency	n.a.
	3207			an..3	Country	n.a.
	C224		M		<i>EQUIPMENT SIZE AND TYPE</i>	
	8155		M	an..10 (an..4)	Equipment size and type identification, <i>vessel type</i>	Code for ship and convoy types of means of transport from UN/CEFACT Rec. 28, see Annex Part II, Chapter 2.3.1
	1131			an..3	Code list qualifier	n.a.
	3055			an..3	Code list responsible agency	n.a.

1	2	3	4	5	6	7
	8154		M	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		<i>EQUIPMENT DETAILS</i>	Specification of the <i>VESSELS</i> within the convoy (for each vessel 1 segment, also the main vessel) <i>not propelled vessels</i>
	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 IMO indication, 8 digits for unique European vessel identification number
	1131		M	an..3	Code list qualifier	'IMO' for an IMO number, see Annex Part II, Chapter 2.3.2 'ENI' for a unique European vessel identification number, see Annex Part II, Chapter 2.3.3
	3055			an..3	Code list responsible agency	n.a.
	3207			an..3	Country	n.a.
	C224		M		EQUIPMENT SIZE AND TYPE	

1	2	3	4	5	6	7
	8155		M	an..10 (an..4)	Equipment size and type identification, <i>vessel type</i>	Code for ship and convoy types of means of transport from UN/CEFACT Rec. 28, see Annex Part II, Chapter 2.3.1
	1131			an..3	Code list qualifier	n.a.
	3055			an..3	Code list responsible agency	n.a.
	8154		M	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)	1	M		MEASUREMENTS	<i>Vessel length</i>
	6311		M	an..3	Measurement purpose qualifier	'DIM' for dimension
	C502				MEASUREMENT DETAILS	
	6313		M	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	

1	2	3	4	5	6	7
	6411		M	an..3	Measurement unit qualifier	'CMT' for centimetre (UNECE 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)	1	M		MEASUREMENTS	<i>Vessel width</i>
	6311		M	an..3	Measurement purpose code qualifier	'DIM' for dimension
	C502				MEASUREMENT DETAILS	
	6313		M	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	

1	2	3	4	5	6	7
	6411		M	an..3	Measurement unit qualifier	'CMT' for centimetre (UNECE 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)	1	M		MEASUREMENTS	<i>Vessel draught</i>
	6311		M	an..3	Measurement purpose code qualifier	'DIM' for dimension
	C502		M		MEASUREMENT DETAILS	Size details
	6313		M	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	

1	2	3	4	5	6	7
	6411		M	an..3	Measurement unit qualifier	'CMT' for centimetre (UNECE Rec. 20, Common code)
	6314		M	an..18 (n4)	Measurement value	Draught of the vessel in centimetres (If due to legal restriction this data cannot be submitted, the value of this field shall be '9999')
	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	<i>Vessel tonnage</i>
	6311		M	an..3	Measurement purpose code qualifier	'VOL' for volume
	C502		M		MEASUREMENT DETAILS	Size details
	6313		M	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	

1	2	3	4	5	6	7
	6411		M	an..3	Measurement unit qualifier	'TNE' for metric ton (UNECE 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.
GRP 5	EQD (1..15)	1	D[Use 2]		<i>EQUIPMENT DETAILS</i>	Specification of the number of <i>CONTAINERS</i>
	8053		M	an..3	Equipment type code qualifier	'CN' for container
	C237				<i>EQUIPMENT IDENTIFICATION</i>	
	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		<i>EQUIPMENT SIZE AND TYPE</i>	

1	2	3	4	5	6	7
	8155		M	an..10 (an5)	Equipment size and type identification	Container <i>range</i> : '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 <i>status</i> : '5' for loaded, '4' for empty, '6' for no volume available
EQD	MEA (5)	1	M	EQD(2)	MEASUREMENTS	Specification of the <i>number of containers</i>
	6311		M	an..3 (an2)	Measurement purpose qualifier	'NR' for number
	C502				MEASUREMENT DETAILS	n.a.

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 UNECE 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.
GRP 6	CNI	1	M		<i>CONSIGNMENT INFORMATION</i>	<i>Consignment</i> (similar source/destination) specification of the transported <i>cargo</i>
	1490		M	n..4	Consolidation item number	Sequence number of the consignment. For modifications, the same sequence number is to be used
	C503				<i>DOCUMENT/MESSAGE DETAILS</i>	n.a.

1	2	3	4	5	6	7
	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.
CNI	HAN(1)	1	D[1]			
	C524		M		HANDLING INSTRUCTIONS	
	4079		M		Handling instructions, coded	Default 'T' T = Transit LLO = Loading LDI = Unloading TSP = Transit in the same port
	1131				Code list qualifier	n.a.
	3055				Code list responsible agency, coded	n.a.
	4078				Handling instructions	n.a.

1	2	3	4	5	6	7
	C218				HAZARDOUS MATERIAL	n.a.
	7419				Hazardous material class code, identification	n.a.
	1131				Code list qualifier	n.a.
	3055				Code list responsible agency, coded	n.a.
	7418				Hazardous material class	n.a.
CNI	DTM (1)	1	C		DATE/TIME/PERIOD	Estimated <i>arrival time</i> 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)	1	C		DATE/TIME/PERIOD	Estimated <i>departure time</i> 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

1	2	3	4	5	6	7
	2379		M	an..3	Date or time or period format code	'201'
CNI	LOC (1)	1	C		PLACE/LOCATION IDENTIFICATION	Specification of the <i>loading place</i> 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	UNECE location code (Rec. 16), of the loading place, see Annex Part II, Chapter 2.3.9
	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
	C519		C		RELATED LOCATION ONE IDENTIFICATION	
	3223		M	an..25 (an..5)	Related place/location one identification	Terminal code, see Annex Part II, Chapter 2.3.11
	1131			an..3	Code list qualifier	n.a.
	3055			an..3	Code list responsible agency	n.a.

1	2	3	4	5	6	7
	3222		D [Use 1]	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 Part II, Chapter 2.3.10
	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)	1	C		<i>PLACE/LOCATION IDENTIFICATION</i>	Specification of the <i>discharge place</i> 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	UNECE location code (Rec. 16), see Annex Part II, Chapter 2.3.9
	1131			an..3	Code list qualifier	n.a.

1	2	3	4	5	6	7
	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 Part II, Chapter 2.3.11
	1131			an..3	Code list qualifier	n.a.
	3055			an..3	Code list responsible agency	n.a.
	3222		D [1]	an..70 (an..17)	Related place/location one	Full name of terminal
	C553		C		RELATED LOCATION TWO IDENTIFICATION	
	3233		M	an..25 (an5)	Related place/location two identification	Fairway section code, see Annex Part II, Chapter 2.3.10
	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

1	2	3	4	5	6	7
	5479			an..3	Relation	n.a.
GRP 8 CNI/NAD	NAD (1)	2	C		NAME AND ADDRESS	<i>Cargo sender name</i>
	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		M		NAME AND ADDRESS	
	3124		M	an..35	Name and address line	Name of the Sender
	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

1	2	3	4	5	6	7
	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		O		STREET	Street
	3042			an..35	Street and number or post office box	Address (street name and number or post office box number)
	3042			an..35	Street and number/PO box	n.a.
	3042			an..35	Street and number/PO box	n.a.
	3042			an..35	Street and number/PO 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 Part II, Chapter 2.3.8
CNI/NAD	NAD (2)	2	C		NAME AND ADDRESS	<i>Cargo receiver name</i>

1	2	3	4	5	6	7
	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		M		NAME AND ADDRESS	
	3124		M	an..35	Name and address line	Name of the recipient.
	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.

1	2	3	4	5	6	7
	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/PO box	Address (street name and number or post office box number)
	3042			an..35	Street and number/PO box	n.a.
	3042			an..35	Street and number/PO box	n.a.
	3042			an..35	Street and number/PO box	n.a.
	3164		M	an..35	City name	City
	3229			an..9	Country sub-entity identification	n.a.
	3251			an..9	Postcode identification	Postal Code
	3207			an..3	Country	ISO 3166-1 two alpha country code, see Annex Part II, Chapter 2.3.8
CNI	GID (1..99)	2	M		<i>GOODS ITEM DETAILS</i>	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 group
	C213		C		NUMBER AND TYPE OF PACKAGES	
	7224		C	n..8	Number of packages	For containers and tanks the default value is '1'

1	2	3	4	5	6	7
	7065		C	an..17	Type of packages identification	see Annex Part II, Chapter 2.3.14
	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 <i>packages</i>
	7065		M	an..17 (a2)	Type of packages identification	UNECE recommendation No 21, see Annex Part II, Chapter 2.3.14
	1131			an..3	Code list qualifier	n.a.

1	2	3	4	5	6	7
	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.
GRP 10 CNI/GID	FTX (1)	2	C		FREE TEXT	<i>Extra goods information</i>
	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	<i>type of good:</i> 'D' for Dangerous 'N' for Non-dangerous
	4440		C	an..70 (n6..10)	Free text	<i>HS code, may be left blank if unknown and/good is dangerous, see chapter 2.6 of this Appendix</i>

1	2	3	4	5	6	7
	4440		C	an..70 (a..4)	Free text	Customs status: 'C' = Union goods 'F' = Union goods from non-fiscal area 'N' = All other goods
	4440		C	an..70 (an..35)	Free text	Customs document reference <i>number</i> if any
	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	<i>Goods description of non-dangerous cargo</i>
	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.

1	2	3	4	5	6	7
	3055			an..3	Code list responsible agency	n.a.
	C108		M		TEXT LITERAL	
	4440		M	an..70	Free text	Goods <i>name</i> of the non-dangerous cargo
	4440					n.a.
	4440		D [Use 3]	an..70 (n6..10)	Free text	<i>HS code</i> of the non-dangerous cargo, see Annex Part II, Chapter 2.3.4
	4440		D [Use 3]	an..70 (n4)	Free text	NST code of the non-dangerous cargo, see Annex Part II, Chapter 2.3.5
	4440			an..70	Free text	n.a.
	3453			an..3	Language, coded	n.a.
	4447			an..3	Text formatting	n.a.
GRP 11 CNI/GID	SGP (1..99)	3	C		SPLIT GOODS PLACEMENT	<i>Specification of the location of the non-dangerous cargo within the means of transport</i>
	C237		M		EQUIPMENT IDENTIFICATION	
	8260		M	an..17 (an7..8)	Equipment identification number	<i>Ship number: 7 digits for IMO indication, 8 digits for unique European vessel identification number (ENI)</i>

1	2	3	4	5	6	7
	1131		M	an..3	Code list qualifier	'IMO' for an IMO number, see Annex Part II, Chapter 2.3.2 'ENI' for a unique European vessel identification number, see Annex Part II, Chapter 2.3.3
	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	3	M		MEASUREMENTS	<i>Specification of the weight of a non-dangerous good on board the vessel</i>
	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 (UNECE Rec. 20)

1	2	3	4	5	6	7
	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	3	C		MEASUREMENTS	<i>Specification of the tonnage of a non-dangerous good on board the vessel</i>
	6311		M	an..3	Measurement purpose qualifier	'VOL' for volume
	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 (UNECE Rec. 20)

1	2	3	4	5	6	7
	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.
GRP 12 CNI/GID	DGS	3	M		DANGEROUS GOODS	<i>Dangerous goods identification</i>
	8273		M	an..3	Dangerous goods regulations	'ADN' for inland vessels (UNECE ADN Code) 'IMD' for sea going vessels (IMO IMDG code)
	C205		M		HAZARD CODE	
	8351		D[USE 5]	an..7	Hazard code identification	ADN Classification (Column 3a), or IMDG code, see Annex Part II, Chapter 2.3.7 or 2.3.6
	8078		D[USE 5]	an..7	Additional hazard classification identifier	ADN Classification (Column 3b), see Annex Part II, Chapter 2.3.7
	8092			an..10	Hazard code version number	n.a.
	C234		M		UNDG INFORMATION	
	7124		M	n4	UNDG number	UN number or identification number (Column 1) (UNNR code), see Annex Part II, Chapter 2.3.7, or IMDG number, see Chapter 2.3.6

1	2	3	4	5	6	7
	7088			an..8	Dangerous goods flashpoint	n.a.
	C223		C		DANGEROUS GOODS SHIPMENT FLASHPOINT	
	7106		M	n..3	Shipment flashpoint	<i>Flashpoint</i> of the good transported
	6411		M	an..3	Measure unit qualifier	'CEL' for Celsius 'FAH' for Fahrenheit
	8339		C	an..3	Packing group	Packing group (column 4) '1' for great danger '2' for medium danger '3' for minor danger Empty if not available
	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	<i>Placards</i> mandatory for dangerous goods on dry cargo vessels
	8158		M	an..4	Hazard identification number, upper part	see ADN
	8186		M	an..4	Substance identification number, lower part	see ADN
	C236		D[USE 5]		DANGEROUS GOODS LABEL	Dangerous labels.

1	2	3	4	5	6	7
	8246		M	an..4	Dangerous goods label marking	ADN Labels, (Column 5)
	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)	3	M		FREE TEXT	<i>Dangerous good description</i>
	4451		M	an..3	Text subject code qualifier	'AAD' for dangerous goods, proper shipping name and <i>technical</i> name
	4453			an..3	Free text function code	n.a.
	C107		D[USE 5]		TEXT REFERENCE	<i>GOODS HAZARD LIMITED QUANTITIES INDICATOR</i>
	4441		M	an..17	Free text identification	<i>'TLQ' Transport of dangerous goods in limited quantities</i>
	1131			an..3	Code list qualifier	n.a.
	3055			an..3	Code list responsible agency	n.a.
	C108		M		TEXT LITERAL	

1	2	3	4	5	6	7
	4440		M	an..70	Free text	Name of dangerous good (<i>proper shipping name</i>) <i>Proper shipping name, supplemented as necessary with the correct technical name, by which a dangerous substance or article may be correctly identified or which is sufficiently informative to permit identification by reference to generally available literature.</i>
	4440		D[USE 5]	an..70	Free text value	Correct Technical Name
	4440			an..70	Free text	n.a.
	4440			an..70	Free text	n.a.
	4440			an..70	Free text	n.a.
	3453		M	an..3	Language	as specified in ISO 639-1
	4447			an..3	Text formatting	n.a.
CNI/GID/DGS						
CNI/GID/DGS	MEA	3	M		MEASUREMENTS	<i>Total weight of the dangerous good within a transport</i>
	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.

1	2	3	4	5	6	7
	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 (UNECE Rec. 20)
	6314		M	an..18 (n9)	Measurement value	Weight of the dangerous good in the consignment
	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	MEA	3	M		MEASUREMENTS	<i>Total volume of the dangerous good within a transport</i>
	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.

1	2	3	4	5	6	7
	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			n..2	Significant digits	n.a.
	7383			an..3	Surface/layer indicator	n.a.
GRP 13 CNI/GID/DGS	SGP (1..99)	4	M		<i>SPLIT GOODS PLACEMENT</i>	<i>Specification of the location of the goods.</i> For the transported cargo, this segment shall contain the identification of the vessel (barge) the cargo is stowed on. Remark: Cargo means, in this context, container, liquid cargo and general cargo
			M		EQUIPMENT IDENTIFICATION	
	C237		M	an..17 (an7..8)	Equipment identification number	Ship number: 7 digits for IMO indication, 8 digits for unique European vessel identification number (ENI)

1	2	3	4	5	6	7
	8260		M	an..3	Code list qualifier	'IMO' for an IMO-number, see Annex Part II, Chapter 2.3.2 'ENI' for a unique European vessel identification number, see Annex Part II, Chapter 2.3.3
	1131			an..3	Code list responsible agency	n.a.
	3055			an..3	Country	n.a.
	3207			n..8	Number of packages	n.a.
	7224					
CNI/GID/DGS/SGP	MEA	5	M		MEASUREMENTS	<i>Total of the goods within the vessel</i>
	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 (UNECE Rec. 20)
	6314		M	an..18 (n9)	Measurement value	Weight of the goods in the vessel

1	2	3	4	5	6	7
	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	<i>Total tonnage of the goods within the vessel</i>
	6311		M	an..3	Measurement purpose qualifier	'VOL' for volume
	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 (UNECE Rec. 20)
	6314		M	an..18 (n9)	Measurement value	Tonnage
	6162			n..18	Range minimum	n.a.

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.
CNI/GID/DGS	SGP	4	C		SPLIT GOODS PLACEMENT	<i>The location of the goods if in containers or tanks. If the goods are transported in containers or tanks at least one SGP combination specifying the ship on which the cargo is stowed shall be specified.</i>
	C237		M		EQUIPMENT IDENTIFICATION	Identification
	8260		M	an..17	Equipment identification number	<i>For containers the Container identification code shall be used(owner code, identifier, serial number. check digit), see Annex Part II, Chapter 2.3.13 For the transport of liquid cargo the code 'NA' shall be used.</i>
	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	4	C		PLACE/LOCATION IDENTIFICATION	<i>Stowage location</i>

1	2	3	4	5	6	7
	3227		M	an..3	Place/location qualifier	For containers: '147' for stowage cell For tanks and other cargo: 'ZZZ' Mutually defined
	C517		M		LOCATION IDENTIFICATION	
	3225		M	an..25	Place/location identification	For containers 'BBBRRTT' for bay/row/tier (In accordance with ISO 9711-1 (1990)) For tanks: LLnn where — LL describes the location of the tank (PS for port side, SB for starboard, CC for Center side, CP for Center portside, CS for Center starboard (in case of 4-width configuration)) — nn describes the sequence number of the tank, starting with 01 from front to nn to the back.
	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.

1	2	3	4	5	6	7
	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.
CNI/GID/DGS/SGP	MEA	4	D[6]		MEASUREMENTS	<i>Specification of the weight of the good in the container</i>
	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		D[Use 4]	an..70	Measurement attribute	Container type (ISO 6346 chapter 4 and annexes D and E)

1	2	3	4	5	6	7
	C174		M		VALUE/RANGE	
	6411		M	an..3	Measurement unit qualifier	'KGM' for kilogram (UNECE Rec. 20)
	6314		M	an..18 (n9)	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	4	D[6]		MEASUREMENTS	<i>Total tonnage of the goods within the vessel</i>
	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	

1	2	3	4	5	6	7
	6411		M	an..3	Measurement unit qualifier	'TNE' for metric ton (UNECE 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			n..2	Significant digits	n.a.
	7383			an..3	Surface/layer indicator	n.a.
CNI/GID/DGS	SGP	4	C		SPLIT GOODS PLACEMENT	<i>The total weight of the container.</i>
	C237		M		EQUIPMENT IDENTIFICATION	Identification
	8260		M	an..17	Equipment identification number	<i>For containers the Container identification code shall be used (owner code, identifier, serial number, check digit), see Annex Part II, Chapter 2.3.13 For the transport of liquid cargo the code 'NA' shall be used.</i>
	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.

1	2	3	4	5	6	7
CNI/GID/DGS/SGP	MEA	4	D[USE 7]		MEASUREMENTS	<i>Specification of the verified gross mass of this container</i>
	6311		M	an..3	Measurement purpose qualifier	'WT' for weights
	C502		M		MEASUREMENT DETAILS	
	6313		M	an..3	Property measured	'VGM' Transport equipment verified gross mass
	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 (UNECE Rec. 20)
	6314		M	an..18 (n9)	Measurement value	Verified gross mass (Weight) of 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	4	D[USE 7]		MEASUREMENTS	<i>Specification of the Estimated gross weight of this container</i>

1	2	3	4	5	6	7
	6311		M	an..3	Measurement purpose qualifier	'WT' for weights
	C502		M		MEASUREMENT DETAILS	
	6313		M	an..3	Property measured	'ACN' Estimated gross weight
	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 (UNECE Rec. 20)
	6314		M	an..18 (n9)	Measurement value	Estimated gross weight of 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.
	UNT	0	M		MESSAGE TRAILER	<i>End and control of completeness of the message</i>

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		<i>INTERCHANGE TRAILER</i>	<i>End and control of the interchange</i>
	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

2.1 Clarification regarding the use of the CNI and GID segments

Segment Group	Segment Composite data element (C) Data element TAG	Level	Status	Format	Name	Description Qualifiers in quotation marks
CNI	GID (1..99)	2	M		GOODS ITEM DETAILS	per <i>vessel</i> and per <i>good</i> a new GID segment
	1496		M	n..5	Goods item number	Sequence number of the good within a consignment. Unique within the CNI group

Clarification:

- Each item shall be separately identified by means of the line (goods) item number and particulars.
- Goods item number: The sequence number of the good within a consignment. This means, if a consignment consists of several goods items, all the goods items shall be represented as unique goods items (GID). If the consignment only consists of one line (goods) item, the shipper (cargo sender) shall represent this in one line. It is important that commercial information remains unchanged in the respective messages and does not disappear.
- The division of an ERINOT message can be explained as follows:
 - A means of transport may contain in its cargo one or more consignments. Each consignment may contain one or more goods items, each with its own particulars. Consignments, including the goods within this respective consignment, may be divided over one or more vessels (e.g. in a convoy in one voyage).
 - Each container in itself is represented in the ERINOT message as separate consignment information group; as a result, the number of consignments will increase with each container.

2.2. Dummy segments

In some cases, amongst others in the passage message *ERINOT(PAS)*, 'dummy' segments shall 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 or unknown previous cargo:

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 (in the case previous dangerous cargo were reported):

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 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
 - 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 are entered. Due to compatibility reasons with previous versions, the vessel details are entered twice.

2.5. Stowage encoding for 30' and 45' containers

If for a 30' container the front of the container falls between two 20' slots, the highest bay number is used for the encoding of the 30' container.

The 45' container is used in similar manner as a 40' container (even bay slot number). The container type will be used to uniquely determine that the slot contains a 45' container.

2.6. 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 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 shall be used:

	HS code	
Containers 20 ft empty	8609000002	
Containers 30 ft empty	8609000004	
Containers 40 ft empty	8609000003	
Containers 20 ft loaded	8609000007	
Containers 30 ft loaded	8609000008	
Containers 40 ft loaded	8609000009	

2.7. Exchanging information between RIS authorities

When exchanging information between RIS authorities, a passage message type shall be used by specifying 'PAS' in the BGM segment (element 1001).

In this PAS message the following information regarding the voyage shall be included:

- BGM element 1001 = 'PAS'.
- TDT group:
 - LOC(1), type '5' = Place of departure.
 - LOC(2), type '172' = Passage point.
 - LOC(9), type '153' = Place of destination (first port where transport is bound).
 - DTM(2), type '186' = Passage time of LOC(2).
 - DTM(3), type '132' = ETA of LOC(9) only if available.
- CNI groups with all the (known) cargo onboard.

The CNI group may be empty only if it is a passage message notifying another (local) party of the last position/passage point of that vessel.

2.8. Cancelling a notification or notifying an interruption/a restart of a voyage

When cancelling a notification or when notifying an interruption/a restart of a voyage, the following information shall be specified:

- BGM element 1225 = '1' or '150' or '151' (according to message function).
- RFF(ACW) element 1154 refers to the last message sent.
- All other segments (TDT, CNI, etc.) contain the same information as specified in the last notification message sent.

*Appendix 2***Passenger and crew list — (PAXLST)****1. UN/EDIFACT STANDARD MESSAGE PAXLST**

The passenger respectively crew list notification is based on the UN/EDIFACT message PAXLST.

1.1. Functional definition

The passenger/crew list message (PAXLST) permits the transfer of passenger or crew data, or both. The message shall be used for the exchange of data in inland navigation between the captain/skipper or carrier and designated authorities such as ISPS terminals, customs, immigration, police.

The message shall be also used to transfer passenger/crew data from a designated authority in the country of departure to the appropriate authorities in the country of arrival of the means of transport.

1.2. Field of application

The passenger list message can be used for both national and international applications. It is based on general practice in administration, commerce and transport, and it is not dependent on the type of business or industry, neither on the mode of transport. The basic concept of the PAXLST message is that there is one message for all crew members for a specified ship on a specified voyage, and another message for the passengers on that voyage whilst also possible stowaways can be reported through a separate message. The messages can be transmitted separately or combined into one transmission.

The message supports the implementation — by means of EDI — of the following reporting needs:

- national reporting requirements with respect to crew/passengers and stowaway
- Regulation (EC) No 725/2004 on enhancing ship and port facility security also has provisions related to crew and passenger lists.

Moreover, in accordance with recommended practice set out in the Convention on the Facilitation of International Maritime Traffic, maritime authorities are not to require more than the following information in the crew list:

- Name and nationality of ship (country/area of registration)
- Family name
- Given names
- Nationality
- Rank or rating
- Date and place of birth
- Nature and number of identity document
- Port and date of arrival
- Arriving from

In addition, in accordance with the requirements of the competent authorities in inland shipping, the following information might be required:

- Names of visitors to a vessel
- Licence plates of the vehicles

- Exact place and time of boarding and going ashore
- Required services such as deliveries, stores and spares
- Names of repair people together with company name
- Changes of crew
- Children of the crew.

All these details can be exchanged through the PAXLST message.

2. MESSAGE STRUCTURE

The structure for implementation of the crew or passenger list notification message is as follows:

2.1 Segment index (alphabetical sequence by tag)

UNH Message header

BGM Beginning of message

ATT Attribute

DOC Document/message details

DTM Date/time/period

FTX Free text

LOC Place/location identification

NAD Name and address

RFF Reference

TDT Details of transport

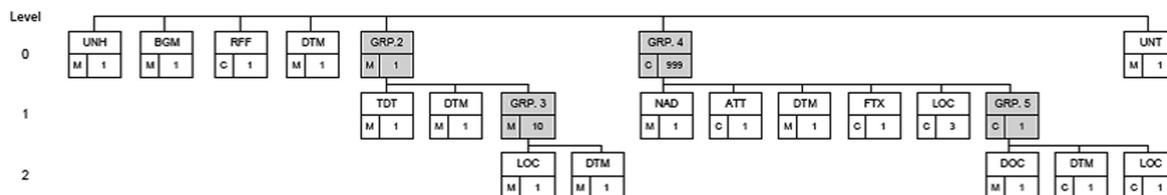
UNT Message trailer

2.2. Segment table

Pos	Tag	Name	S	R
	UNA		C	1
	UNB		M	1
0010	UNH	Message header	M	1
0020	BGM	Beginning of message	M	1
0030	RFF	Reference	C	1
0040	DTM	Date/time/period	M	1
0090		Segment group 2	M	1

Pos	Tag	Name	S	R
0100	TDT	Details of transport	M	1
0110	DTM	Date/time/period	M	1
0120		Segment group 3	M	4
0130	LOC	Place/location identification	M	1
0140	DTM	Date/time/period	M	1
0150		Segment group 4	C	999
0160	NAD	Name and address	M	1
0170	ATT	Attribute	C	1
0180	DTM	Date/time/period	M	1
0210	FTX	Free text	C	1
0220	LOC	Place/location identification	C	3
0270		Segment group 5	C	1
0280	DOC	Document/message details	M	1
0290	DTM	Date/time/period	C	1
0320	LOC	Place/location identification	C	1
0440	UNT	Message trailer	M	1

2.3. Branching diagram



2.4. Passenger/Crew list message format

Segment Group	Segment Composite data element(C) Data element TAG	Level	Status	Format	Names	Description Qualifiers in quotation marks
1	2	3	4	5	6	7
	UNA	0	C		Service String Advice	
			M	an1	Component data element separator	:
			M	an1	Segment Tag and Data element separator	+
			M	an1	Decimal notation	.
			M	an1	Release indicator	?
			M	an1	Reserved future use	space
			M	an1	Segment terminator	'
					<i>Advised string: UNA:+.?'</i>	6 characters
	UNB	0	M		Interchange header	
	S001		M		SYNTAX IDENTIFIER	
	0001		M	a4	Syntax identifier	'UNOC' 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 or the unique identifier of a RIS-centre or traffic post

1	2	3	4	5	6	7
	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 or the unique identifier of a RIS-centre or traffic post
	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 reference identification.	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

1	2	3	4	5	6	7
	UNH		M		MESSAGE HEADER	Identification, specification and heading of a message
	0062		M	an..14	Message reference number	First 14 positions of the message number
	S009		M		MESSAGE IDENTIFIER	Message identification
		0065	M	an..6	Message type	'PAXLST', message type
		0052	M	an..3	Message version number	'D', message version number
		0054	M	an..3	Message release number	'05A', message release number
		0051	M	an..2	Controlling agency	'UN', controlling agency
		0057	M	an..6	Association assigned code	'ERI13', ERI Version 1.3
	0068		M	an..35	Common access reference	Common access reference Reference to all messages related to one common file
	S010				STATUS OF THE TRANSFER	Transfer status
		0070		n..2	Sequence of transfers	n.a.
		0073		a1	First and last transfer	n.a.
	BGM	0	M		BEGINNING OF MESSAGE	<i>Identification of the type and function of the message</i>
	C002				Document/message name	Message name
		1001	M	an..3	Document name code	Message type: '250' crew list '745' passenger list '10' stowaway list

1	2	3	4	5	6	7
	1131			an..17	Code list identification code	n.a.
	3055			an..3	Code list responsible agency code	n.a.
	1000		M	an..35	Document name	Document name: 'CREW LIST' 'PASSENGER LIST' 'STOWAWAY LIST' <i>(one PAXLST message contains one document)</i>
	C106		M		Document/message identification	
	1004		M	an..35 an(15)	Document identifier	message reference number
	1056		C	an..9	Version identifier	version identifier
	1060		C	an..6	Revision identifier	revision identifier
	1225		M	an..3	MESSAGE FUNCTION CODE	Function of message '1' = cancellation message '9' = new message (original) '5' = modification message '22' = Final transmission (End of voyage) '150' = Interruption of voyage '151' = Restart of voyage
	4343			an..3	RESPONSE TYPE CODE	QA

1	2	3	4	5	6	7
	RFF	0	C		REFERENCE	Reference to the message which is changed, mandatory if the message is a modification message
	C506		M		REFERENCE	Reference
	1153		M	an..3	Reference qualifier	'ACW'
	1154		M	an..35	Reference number	(an14) message reference number of the BGM, tag 1004 of the message the current message refers to
	1156			an..6	Line number	n.a.
	4000			an..35	Reference version number	n.a.
	1060			an..35	Revision number	n.a.
	DTM	0	M		DATE/TIME/PERIOD	
	C507		M		DATE/TIME/PERIOD	Date/time/period
	2005		M	an..3	Date or time or period function code qualifier	'184' Notification date
	2380		M	an..35	Date or time period value	Time: CCYYMMDD
	2379		M	an..3	Date or time or period format code	'102'
	TDT	1	M		Specification of the means 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	'20' (main transport)	Transport stage code qualifier
	8028		C	an..17	Conveyance reference number	Voyage number, defined by sender of the message
	C220		M		Transport modality	n.a.

1	2	3	4	5	6	7
	8067		M	an..3	Mode of transport, coded	'8' for inland water transport, '1' for maritime transport (see UNECE Rec. 19)
	8066			an..17	Transport mode name	n.a.
	C001		M		Type of means of transport identification, <i>convoy type</i>	Code for ship and convoy types of means of transport from UNCEFACT Rec. 28, see Annex Part II, Chapter 2.3.1
	8179			an..8	Transport means description code	n.a.
	1131			an..17	Code list identification code	n.a.
	3055			an..3	Code list responsible agency code	n.a.
	8178			an..17	Transport means description	n.a.
	C040				Carrier	
	3127			an..17	Carrier identifier	n.a.
	1131			an..17	Code list identification code	n.a.
	3055			an..3	Code list responsible agency code	n.a.
	3128			an..35	Carrier name	n.a.
	8101			an..3	Transit direction indicator code	n.a.
	C401				Excess transportation information	n.a.
	8457			an..3	Excess transportation reason code	n.a.
	8459			an..3	Excess transportation responsibility code.	n.a.
	7130			an..17	Customer shipment autorisation identifier	n.a.
	C222		M		Transport identification	

1	2	3	4	5	6	7
	8213		M	an..9 (an7..8)	ID. of means of transport identification	Vessel number: 7 digits for IMO indication, 8 digits for unique European vessel identification number (ENI)
	1131		M	an..17	Code list qualifier	'IMO' for an IMO number, see Annex Part II, Chapter 2.3.2 'ENI' for a unique European vessel identification number, see Annex Part II, Chapter 2.3.3
	3055			an..3	Code list responsible agency code	n.a.
	8212		M	an..35	Name of the vessel	<i>Name of the ship.</i> If the name results in more than 35 positions, the name of the vessel is shortened.
	8453		M	an..3	(an2) Nationality, ISO 3166 country code	ISO two-alpha country code 3166-1, see Annex Part II, Chapter 2.3.8 Dependency note. If the nationality of the inland vessel is not available the code for the country or area of registration shall be stated here in line with the ENI number specifications.
	8281			an..3	Transport means ownership indicator code.	n.a.
TDT	DTM	1	M	TDT(20)	Estimated time of arrival/departure	
	C507				Date/time/period	
	2005		M	an..3	Date or time or period function code qualifier	'132' for arrival '133' for departure
	2380		M	an..35	Date or time period value	Given in the local time of the place of arrival
	2379		M	an..3	Date or time or period format code	'203' for CCYYMMDDHHMM

1	2	3	4	5	6	7
TDT	LOC(1)	1	M		PLACE/LOCATION IDENTIFICATION	<i>Port of departure</i> , the port where the transport starts
	3227		M	an..3	Place/location qualifier	'5' place of departure
	C517		M		LOCATION IDENTIFICATION	
	3225		M	an..35 (an5)	Place/location identification	UNECE location code (Rec. 16), see Annex Part II, Chapter 2.3.9
	1131			an..17	Code list qualifier	n.a.
	3055			an..3	Code list responsible agency	n.a.
	3224		D[Use 1]	an..256 (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, Annex Part II, Chapter 2.3.11
	1131			an..17	Code list qualifier	n.a.
	3055			an..3	Code list responsible agency	n.a.
	3222		D[Use 1]	an..70	Related place/location one	Full name of the terminal
	C553		C		RELATED LOCATION TWO IDENTIFICATION	

1	2	3	4	5	6	7
	3233		M	an..25 (an5)	Related place/location two identification	Fairway section code, see Annex Part II, Chapter 2.3.10
	1131			an..17	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.
TDT/LOC1	DTM	1	M		Estimated time of departure	
	C507				Date/time/period	
	2005		M	an..3	Date or time or period function code qualifier	'133' for departure
	2380		M	an..35	Date or time period value	Given in the local time of the place of arrival
	2379		M	an..3	Date or time or period format code	'203' for CCYYMMDDHHMM
TDT	LOC(2)	1	M		PLACE/LOCATION IDENTIFICATION	First port of call
	3227		M	an..3	Place/location qualifier	'87'
	C517		M		LOCATION IDENTIFICATION	
	3225		M	an..35 (an5)	Place/location identification	UNECE location code (Rec. 16), see Annex Part II, Chapter 2.3.9
	1131			an..17	Code list qualifier	n.a.
	3055			an..3	Code list responsible agency	n.a.
	3224		D[Use 1]	an..256 (an..17)	Place/location	Full name of the port location

1	2	3	4	5	6	7
	C519		C		RELATED LOCATION ONE IDENTIFICATION	
	3223		M	an..25 (an..5)	Related place/location one identification	Terminal code, see Annex Part II, Chapter 2.3.11
	1131			an..17	Code list qualifier	n.a.
	3055			an..3	Code list responsible agency	n.a.
	3222		D[Use 1]	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 Part II, Chapter 2.3.10
	1131			an..17	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.
TDT/LOC 2	DTM	1	M		Estimated time of first port of call	
	C507				Date/time/period	
	2005		M	an..3	Date or time or period function code qualifier	'252' Arrival date/time at initial port
	2380		M	an..35	Date or time period value	Given in the local time of the place of arrival

1	2	3	4	5	6	7
	2379		M	an..3	Date or time or period format code	'203' for CCYYMMDDHHMM
TDT	LOC(3)	1	M		PLACE/LOCATION IDENTIFICATION	Last port of call
	3227		M	an..3	Place/location qualifier	'125'
	C517		M		LOCATION IDENTIFICATION	
	3225		M	an..35 (an5)	Place/location identification	UNECE location code (Rec. 16), see Annex Part II, Chapter 2.3.9
	1131			an..17	Code list qualifier	n.a.
	3055			an..3	Code list responsible agency	n.a.
	3224		D[Use 1]	an..256 (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 Part II, Chapter 2.3.11
	1131			an..17	Code list qualifier	n.a.
	3055			an..3	Code list responsible agency	n.a.
	3222		D[Use 1]	an..70	Related place/location one	Full name of the terminal
	C553		C		RELATED LOCATION TWO IDENTIFICATION	

1	2	3	4	5	6	7
	3233		M	an..25 (an5)	Related place/location two identification	Fairway section code, see Annex Part II, Chapter 2.3.10
	1131			an..17	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.
TDT/LOC 3	DTM	1	M		Estimated time of arrival/departure	
	C507				Date/time/period	
	2005		M	an..3	Date or time or period function code qualifier	'253' Departure date/time from last port of call
	2380		M	an..35	Date or time period value	Given in the local time of the place of arrival
	2379		M	an..3	Date or time or period format code	'203' for CCYYMMDDHHMM
TDT	LOC(4)	1	M		PLACE/LOCATION IDENTIFICATION	Port of arrival
	3227		M	an..3	Place/location qualifier	'60'
	C517		M		LOCATION IDENTIFICATION	
	3225		M	an..35 (an5)	Place/location identification	UNECE location code (Rec. 16), see Annex Part II, Chapter 2.3.9

1	2	3	4	5	6	7
	1131			an..17	Code list qualifier	n.a.
	3055			an..3	Code list responsible agency	n.a.
	3224		D[Use 1]	an..256 (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 Part II, Chapter 2.3.11
	1131			an..17	Code list qualifier	n.a.
	3055			an..3	Code list responsible agency	n.a.
	3222		D[Use 1]	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 Part II, Chapter 2.3.10
	1131			an..17	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.
TDT/LOC 4	DTM	1	M		Estimated time of arrival/departure	

1	2	3	4	5	6	7
	C507				Date/time/period	
	2005		M	an..3	Date or time or period function code qualifier	'132' for arrival
	2380		M	an..35	Date or time period value	Given in the local time of the place of arrival
	2379		M	an..3	Date or time or period format code	'203' for CCYYMMDDHHMM
GRP 4	NAD	0	M		NAME and ADDRESS	Name and address details of person
	3035		M	an..3	Party function code qualifier	Name type: 'FM' for crew member 'FL' for passenger 'BV' for stowaway persons
	C082		C		PARTY IDENTIFICATION DETAILS	Name identification
	3039			an..35	Party identification	Code or textual description of the relation
	1131			an..17	Code list qualifier	n.a.
	3055			an..3	Code list responsible agency	n.a.
	C058		M		NAME AND ADDRESS	n.a.
	3124		M	an..35	Name and address line	Family name
	3124		M	an..35	Name and address line	Given names
	3124		C	an..35	Name and address line	Prefix (gender)
	3124			an..35	Name and address line	n.a.
	3124			an..35	Name and address line	n.a.

1	2	3	4	5	6	7
	C080		C		PARTY 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.
	3036			an..35	Party name	n.a.
	3045			an..3	Party name format, coded	n.a.
	C059		C		STREET	
	3042		C	an..35	Street and number/PO box	Street and number or post office box
	3042			an..35	Street and number/PO box	n.a.
	3042			an..35	Street and number/PO box	n.a.
	3042			an..35	Street and number/PO box	n.a.
	3164		C	an..35	City name	City
	C819		C		Country sub-entity identification	n.a.
	3229		C	an..9	Country sub-entity name code	Postal identification code
	1131		C	an..17	Code list identification code	n.a.
	3055			an..3	Code list responsible agency code	n.a.
	3228			an..70	Country sub-entity name	n.a.
	3251		C	an..17	postal code	

1	2	3	4	5	6	7
	3207		M	an..3	(an2) nationality, ISO3166 country code	ISO 3166-1 two alpha country code, see Annex Part II, Chapter 2.3.8
GRP 4	ATT	1	C		Rank/title	Rank/title
	9017		M	an..3	Attribute function qualifier	'5' Professional title '1' Crew member
	C955		C		Attribute type	
	9021			an..17	Attribute type, coded	
	1131			an..17	Code list identification code	n.a.
	3055			an..3	Code list responsible agency code	n.a.
	9020			an..70	Attribute type description	n.a.
	C956		C		Attribute detail	
	9019			an..17	Attribute description code	n.a.
	1131			an..17	Code list identification code	n.a.
	3055			an..3	Code list responsible agency code	n.a.
	9018		M	an..256	Attribute description	Rank/title name e.g. Chief officer
NAD	DTM	1	M		DATE/TIME/PERIOD	Date of birth
	C507				Date/time/period	Date/time/period
	2005		M	an..3	Date or time or period function code qualifier	'329'
	2380		M	an..35	Date or time period value	Date: CCYYMMDD

1	2	3	4	5	6	7
	2379		M	an..3	Date or time or period format code	'102'
NAD	FTX	1	C		Free text	General information
	4451		M	an..3	Text subject qualifier	Text subject type 'AAI' General Information
	4453			an..3	Text function, coded	
	C107		C		Text reference	
	4441		M	an..17	Free text, coded	Call information related to boarding of persons. General information on the call of the vessel.
	1131			an..17	Code list qualifier	n.a.
	3055			an..3	Code list responsible agency, coded	n.a.
	C108		C		Text literal	
	4440		C	an..512	Free text	License number vehicle
	4440		C	an..512	Free text	Visitor
	4440		C	an..512	Free text	Company name of service provider and other details
	4440		C	an..512	Free text	Names and duration of visit of the visiting children
	4440		D[Use 2]	an..512	Free text	Health Status
	3453			an..3	Language, coded.	
	4447			an..3	Text formatting, coded	

1	2	3	4	5	6	7
NAD	LOC(1)		M		PLACE/LOCATION IDENTIFICATION	Place of birth
	3227		M	an..3	Place/location qualifier	'180'
	C517		M		LOCATION IDENTIFICATION	
	3225		C	an..35 (an5)	Place/location identification	ISO 3166-1 two alpha country code, see Annex Part II, Chapter 2.3.8
	1131			an..17	Code list qualifier	n.a.
	3055			an..3	Code list responsible agency	n.a.
	3224		M	an..256 (an..35)	Place/location	Place of birth
	C519		C		RELATED LOCATION ONE IDENTIFICATION	n.a.
	3223			an..35	Related place/location one identification	n.a.
	1131			an..17	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..17	Code list qualifier	n.a.
	3055			an..3	Code list responsible agency	n.a.
	3232			an..70	Related place/location two	n.a.

1	2	3	4	5	6	7
	5479			an..3	Relation	n.a.
NAD	LOC(2)		M		PLACE/LOCATION IDENTIFICATION	Place of Embarkation
	3227		M	an..3	Place/location qualifier	'178' for place of Embarkation
	C517		M		LOCATION IDENTIFICATION	
	3225		C	an..35 (an5)	Place/location identification	UNECE location code (Rec. 16) of the port, see Annex Part II, Chapter 2.3.9
	1131			an..17	Code list qualifier	n.a.
	3055			an..3	Code list responsible agency	n.a.
	3224		D[Use 1]	an..256	Place/location	Full name of the port location
	C519		C		RELATED LOCATION ONE IDENTIFICATION	
	3223		M	an..35 (an5)	Related place/location one identification	Terminal code, see Annex Part II, Chapter 2.3.11
	1131			an..17	Code list qualifier	n.a.
	3055			an..3	Code list responsible agency	n.a.
	3222		D[Use 1]	an..70	Related place/location one	Full name of the terminal
	C553		C		RELATED LOCATION TWO IDENTIFICATION	
	3233		M	an..35 (an5)	Related place/location two identification	Fairway section code, see Annex Part II, Chapter 2.3.10
	1131			an..17	Code list qualifier	

1	2	3	4	5	6	7
	3055			an..3	Code list responsible agency	n.a.
	3232		C	an..70 (an5)	Related place/location two	Fairway section hectometre
	5479			an..3	Relation	n.a.
NAD	LOC(3)		M		PLACE/LOCATION IDENTIFICATION	Place of Disembarkation
	3227		M	an..3	Place/location qualifier	'179' for place of disembarkation
	C517		M		LOCATION IDENTIFICATION	
	3225		C	an..35 (an5)	Place/location identification	UNECE location code (Rec. 16) of the port, see Annex Part II, Chapter 2.3.9
	1131			an..17	Code list qualifier	n.a.
	3055			an..3	Code list responsible agency	n.a.
	3224		D[Use 1]	an..256	Place/location	Full name of the port location
	C519		C		RELATED LOCATION ONE IDENTIFICATION	
	3223		M	an..25 (an5)	Related place/location one identification	Terminal code, see Annex Part II, Chapter 2.3.11
	1131			an..17	Code list qualifier	n.a.
	3055			an..3	Code list responsible agency	n.a.
	3222		D[Use 1]	an..70	Related place/location one	Full name of the terminal
	C553		C		RELATED LOCATION TWO IDENTIFICATION	

1	2	3	4	5	6	7
	3233		M	an..25 (an5)	Related place/location two identification	Fairway section code, see Annex Part II, Chapter 2.3.10
	1131			an..17	Code list qualifier	
	3055			an..3	Code list responsible agency	n.a.
	3232		C	an..70 (an5)	Related place/location two	Fairway section hectometre
	5479			an..3	Relation	n.a.
NAD	DOC	1	M		Travel document details	Travel document details
	C002		M		Document/message name	Document/message name
	1001		M	n..3	Document/message name, coded	Document type: '39' Passport '36' Identity card 'SMB' Seaman's book '40' Driving licence (national) '41' Driving licence (international) '483' Visa
	1131			an..17	Code list qualifier	n.a.
	3055			an..3	Code list responsible agency, coded	n.a.
	1000		C	an..35	Document name	Type of Visa
	C503		M		Document/message details	

1	2	3	4	5	6	7
	1004		M	an..35	Document/message number	Document identifier
	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.
	3153			an..3	Communication channel identifier, coded	n.a.
	1220			n..2	Number of copies of document required	n.a.
	1218			n..2	Number of originals of document required	n.a.
DOC	DTM	2	C		DATE/TIME/PERIOD	Expiration date
	C507				Date/time/period	Date/time/period
	2005		M	an..3	Date or time or period function code qualifier	'192'

1	2	3	4	5	6	7
	2380		M	an..35	Date or time period value	Date: CCYYMMDD
	2379		M	an..3	Date or time or period format code	'102'
TDT	LOC(1)	1	M		PLACE/LOCATION IDENTIFICATION	Place of issue of document
	3227		M	an..3	Place/location qualifier	'44'
	C517		M		LOCATION IDENTIFICATION	
	3225		C	an..35 (an5)	Place/location identification	UNECE location code (Rec. 16), see Annex Part II, Chapter 2.3.9
	1131			an..17	Code list qualifier	n.a.
	3055			an..3	Code list responsible agency	n.a.
	3224			an..256	Place/location	n.a.
	C519				RELATED LOCATION ONE IDENTIFICATION	n.a.
	3223			an..25	Related place/location one identification	n.a.
	1131			an..17	Code list qualifier	n.a.
	3055			an..3	Code list responsible agency	n.a.

1	2	3	4	5	6	7
	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..17	Code list qualifier	n.a.
	3055			an..3	Code list responsible agency	n.a.
	3232			an..70 (an..5)	Related place/location two	n.a.
	5479			an..3	Relation	n.a.
	UNT	0	M		MESSAGE TRAILER	End and control of completeness of the message
	0074		M	n..6	Number of segments in the message	
	0062		M	an..14	First 14 positions of the 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

Business Rules

D[USE 1]	If the code is XXXXX, then this data-element shall be completed.
D[USE 2]	This data-element is mandatory if person requires additional support

*Appendix 3***ERINOT response and receipt message (APERAK) — ERIRSP****1. APERAK GENERAL RESPONSE AND RECEIPT MESSAGE**

This message shall be used to provide where required answering and response functions to sent messages.

The function of this message is:

- (a) to inform a message issuer that his message has been received by the addressee's application and has been rejected due to errors encountered during its processing in the application;
- (b) to acknowledge to a message issuer the receipt of his message by the addressee's application.

1.1. Field of application

The application error and acknowledgement message can be used for both national and international applications. It is not dependent on the type of business or industry, neither it is a legal requirement: it is based on business practices related to administration and transport.

1.2. Principles

A message can first be controlled at system level (e.g. the CONTRL message) to detect syntax errors and to acknowledge its receipt. It shall be then transmitted to the application process to be processed.

When an acknowledgement is necessary an APERAK message shall be sent specifying the reasons of acknowledgement. If an error is detected at the application level, which prevents its complete processing, an APERAK message shall be sent to the original message issuer providing details of the error(s) encountered. In case of application error, the APERAK message shall be transmitted manually.

In case of acknowledgement the APERAK message shall be processed automatically or manually, at recipient's discretion.

2. ERI RESPONSE MESSAGE ERIRSP

The ERIRSP message is derived from the UN/EDIFACT APERAK message. The response messages to the functions (new, modification or cancellation) of the notification message ERINOT have all the same structure. The response to 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 email address where the response is to be returned to.

2.1 Segment index (alphabetical sequence by tag)

BGM Beginning of message

COM Communication contact

DTM Date/time/period

ERC Application error information

FTX Free text

NAD Name and address

RFF Reference

UNH Message header

UNT Message trailer

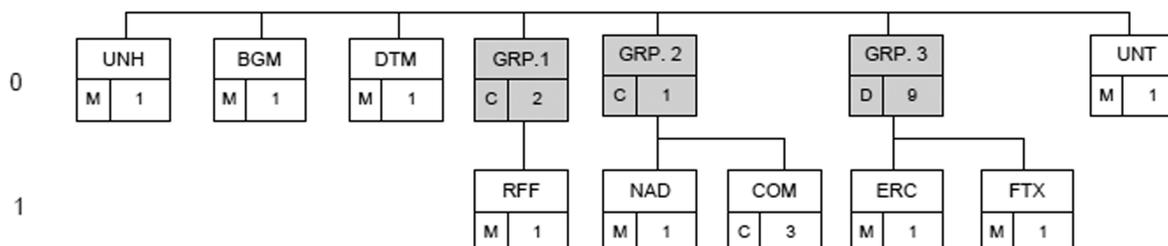
2.2. Segment table

Pos	Tag	Name	S	R
	UNB		M	1
0010	UNH	Message header	M	1
0020	BGM	Beginning of message	M	1
0030	DTM	Date/time/period	M	1
0060		Segment group 1	C	2
0070	RFF	Reference	M	1
0090		Segment group 2	C	1
0100	NAD	Name and address	M	1
0120	COM	Communication contact	C	3
0130		Segment group 3	D[1]	9
0140	ERC	Application error information	M	1
0150	FTX	Free text	M	1
0190	UNT	Message trailer	M	1

Business rules

D[1]	This segment-group is to be used if any application error(s) occur.
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2.3 Branching Diagram



2.4 ERIRSP message structure

Table 2 defines the segments of the ERI response messages.

Table 2: ERI response message ERIRSP

Segment Group	Segment Composite data element (C) Data element TAG	Level	Status	Format	Name	Description Qualifiers in quotation 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 or the unique identifier of a RIS-centre or traffic post
	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 or the unique identifier of a RIS-centre or traffic post
	0007			an..4	Partner identification code qualifier	n.a.
	0014			an..14	Routing address	n.a.

1	2	3	4	5	6	7
	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.
	0025			an2	Recipient's reference, password qualifier	n.a.
	0026			an..14	Application reference	n.a.
	0029			a1	Processing priority code	n.a.
	0031			n1	Acknowledgement request	n.a.
	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'

1	2	3	4	5	6	7
	0057		M	an..6	Association assigned code	'ERI13', ERI Version 1.3
	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	
	1004		M	an..35 (an15)	Document identifier	Message reference number. This number shall 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 shall be used. The transitional system shall in this case not generate another message reference number.

1	2	3	4	5	6	7
	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 (original)
	4343		M	an..3	Response type code	'AP' accepted 'RE' rejected. The notification is rejected if the transport is already arrived at its destination.
	DTM	1	M		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
GRP 1	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			an..6	Line number	n.a.
	4000			an..35	Reference version number	n.a.

1	2	3	4	5	6	7
	1060			an..6	Revision number	n.a.
GRP 1	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 shall start with the UN country code followed by three positions for the assigning system. The final part is the actual reference number.
	1156			an..6	Line number	n.a.
	4000			an..35	Reference version number	n.a.
	1060			an..6	Revision number	n.a.
GRP 2	NAD	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 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.

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.
	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.
	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/PO box	Street and number or post office box
	3042			an..35	Street and number/PO box	n.a.
	3042			an..35	Street and number/PO box	n.a.
	3042			an..35	Street and number/PO 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 identification code
	3207		C	an..3	Country	ISO 3166-1 two alpha country code, see Annex, Chapter 2.3.8

1	2	3	4	5	6	7
NAD	COM	2	C		COMMUNICATION CONTACT	Sender communication contact details (maximum 3 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 Email address
GRP 3	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	M		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.

1	2	3	4	5	6	7
	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.
	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

3. ERROR CODES

For data attribute: *MESSAGE REFERENCE ANSWERED TO ERROR DESCR CODE*, the error codes available electronically in the European Reference Data Management System (ERDMS) operated by the European Commission shall be used in in segment ERC, data element 9321.

*Appendix 4***Berth management port notification (BERMAN)****1. NECESSARY DATA IN ACCORDANCE WITH THE FAL CONVENTION**

In the FAL General Declaration ⁽¹⁾, public authorities shall not require more than the following information:

1. name and description of the ship
2. nationality of ship
3. particulars regarding registry
4. particulars regarding tonnage
5. name of master
6. name and address of ship's agent
7. brief description of cargo
8. number of crew
9. number of passengers
10. brief particulars of voyage
11. date and time of arrival, date of departure
12. port of arrival or departure
13. position of the ship in the port
14. the ships requirements in terms of waste and residue reception facilities
15. purpose of call

In addition the following particulars are to be included for ISPS ⁽²⁾ purposes:

16. name of the ships security officer
17. security certificate (ISSC) number and authority
18. security level at which ship is operating level 1, 2 or 3
19. information on number of persons and vehicles

2. MESSAGE FUNCTION**2.1. Functional definition**

The BERMAN message is a message from a carrier, its agent or a vessel to the responsible port authority, requesting a berth, giving details of the call, ship, berth requirements and expected operations ⁽³⁾. It is based on the EDIFACT BERMAN message as published in the UN/EDIFACT D 04B directory.

⁽¹⁾ IMO Compendium on facilitation and electronic business, FAL.5/Cic.35, 9 September 2011; referred to in the Annex to Directive 2010/65/EU of the European Parliament and of the Council of 20 October 2010 on reporting formalities for ships arriving in and/or departing from ports of the Member States and repealing Directive 2002/6/EC (OJ L 283, 29.10.2010, p. 1).

⁽²⁾ The International Ship and Port Facility Security Code (ISPS code) was adopted by the IMO in 2002; it is mandatory under the SOLAS Convention entering in force on 1 July 2004.

⁽³⁾ In accordance with the IMO Compendium, the BERMAN message can be used as a substitute for the IMO General Declaration (CUS-REP) for the purpose of the announcement of the expected arrival of a ship in a certain port.

2.2. Field of application

The message is based on and supports the implementation by means of EDI of the following international and European legislation:

- (a) the *IMO FAL Form 1* (as also contained in the IMO Compendium on Facilitation and electronic business, document FAL.5/Circ.15, dated 19 February 2001 and also contained in Directive 2010/65/EU of the European Parliament and of the Council^(*));
- (b) *International ship and port facility security (ISPS) code*, adopted by the Conference of Contracting Governments of the International Maritime Organisation (IMO) on 12 December 2002, in the amendments to the annex to the International Convention of Safety of Life at Sea (SOLAS), 1974 and *Regulation (EC) No 725/2004*.

2.3. Message principles

The following principles shall apply to the BERMAN message as defined in these technical specifications for the purpose of electronic ship reporting in inland navigation:

1. A message shall contain information on only one means of transport/conveyance.
2. One message shall relate to one visit of a ship to one port of call.
3. The visit of the vessel shall be identified by a unique call reference number that is issued by or on behalf of the authority in the port (e.g. the port authority or the customs authority).
4. The message shall incorporate the information related to applicable requirements regarding the notification of a ship to a port. It shall support one request for the ship — be it for entering the port, berthing on arrival of the ship, leaving the berth on departure of the ship or shifting of berths for the ship within the port or for only transiting through the port area.
5. The arrival notification shall contain all details regarding the movement of the ship from outside the port area to the first berth in the port area. The additional services to be arranged for arrival at the first berth (e.g. arrangement of pilots, VTS, tugboats, and linesmen) may be specified. The ETA (estimated time of arrival) at the entry point and previous port of call of the ship shall be given.
6. A shift berthing request shall contain all details as to the movement from one berth to the next berth in the same port area. The additional services to be arranged (e.g. arrangement of tugboats, pilots or linesman) may be specified for each berth separately. The ETD (estimated time of departure) for the first berth is mandatory. The shift berthing request shall further contain the other berths that are planned to be visited during the ship's call, including the ETA at those berths.
7. A departure request shall contain all details related to the departure of the ship from the (last) berth in the port area. Additional services to be arranged for departure from the berth (e.g. arrangement of tugboats, pilots or linesman) may be specified. The ETD from the berth and the next port of call of the ship shall be given upon departure.
8. The message shall cater for the provision of sending a replacement or a cancellation of a previously sent original message.
9. The message content shall be uniquely identified by means of the message reference (in BGM 1004) and the message sender identification (in NAD(MS) 3039). All other identifying data, such as the unique ship ID of the ship or the voyage number, are secondary references. The sending of replacements and updates also makes use of this principle.

3. MESSAGE STRUCTURE

3.1 Segment index (alphabetical sequence by tag)

BGM Beginning of message

COM Communication contact

CTA Contact information

DTM Date/time/period

FTX Free text

GDS Nature of cargo

^(*) Directive 2010/65/EU of the European Parliament and of the Council of 20 October 2010 on reporting formalities for ships arriving in and/or departing from ports of the Member States and repealing Directive 2002/6/EC (OJ L 283, 29.10.2010, p. 1).

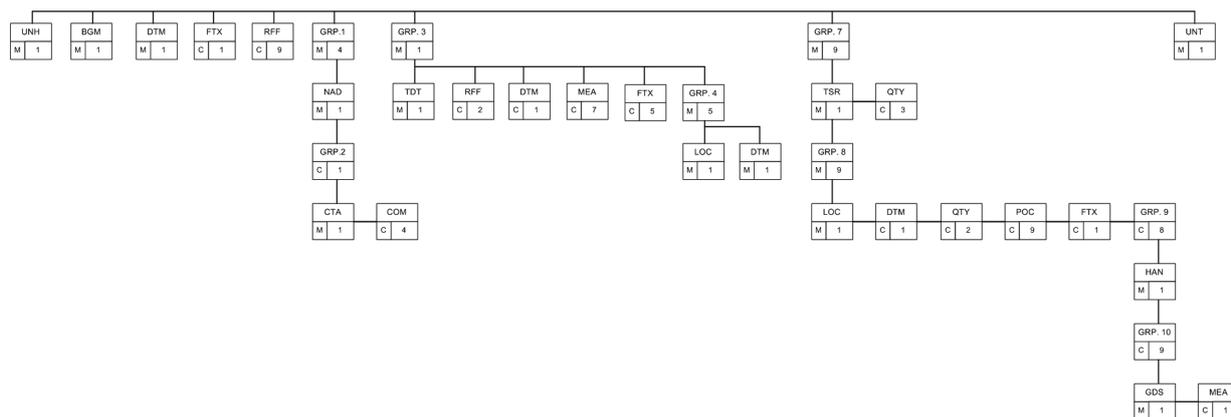
HAN Handling instructions
 LOC Place/location identification
 MEA Measurements
 NAD Name and address
 POC Purpose of call
 QTY Quantity
 RFF Reference
 TDT Transport information
 TSR Transport service requirements
 UNH Message header
 UNT Message Trailer

3.2 Segment table

Pos	Tag	Name	S	R
	UNA		C	1
	UNB		M	1
0010	UNH	Message header	M	1
0020	BGM	Beginning of message	M	1
0030	DTM	Date/time/period	M	1
0040	FTX	Free text	C	1
0050	RFF	Reference	C	9
0070		Segment Group 1	M	4
0080	NAD	Name and address	M	1
0090		Segment Group 2	C	1
0100	CTA	Contact information	M	1
0110	COM	Communication contact	C	4
0120		Segment Group 3	M	1
0130	TDT	Transport information	M	1
0140	RFF	Reference	C	2
0150	DTM	Date/time/period	C	1
0160	MEA	Measurements	C	7

Pos	Tag	Name	S	R
0170	FTX	Free text	C	9
0190		Segment Group 4	M	5
0200	LOC	Place/location identification	M	1
0210	DTM	Date/time/period	M	1
0300		Segment Group 7	M	9
0310	TSR	Transport service requirements	M	1
0320	QTY	Quantity	C	3
0340		Segment Group 8	M	9
0350	LOC	Place/location identification	M	1
0370	DTM	Date/time/period	C	1
0380	QTY	Quantity	C	2
0390	POC	Purpose of call	C	9
0400	FTX	Free text	C	1
0410		Segment Group 9: HAN	C	8
0420	HAN	Handling instructions	M	1
0440		Segment Group 10: GDS	C	9
0450	GDS	Nature of cargo	M	1
0470	MEA	Measurements	C	1
0500	UNT	Message Trailer	M	1

3.3 Branching Diagram



The pre-arrival notification message format for the berth management message is as follows:

Segment Group	Segment Composite data element (C) Data element TAG	Level	Status	Format	Description segments/fields	Description of qualifiers and used codes, general remarks on usage of data elements, Usage notes
1	2	3	4	5	6	7
	UNA		C		SERVICE STRING ADVICE	
			M	an1	Component data element separator	:
			M	an1	Segment tag and data element separator	+
			M	an1	Decimal notation	.
			M	an1	Release indicator	?
			M	an1	Reserved future use	<i>Space</i>
			M	an1	Segment terminator	'
					Advised string: UNA:+.? '	<i>6 characters</i>
	UNB		M		INTERCHANGE HEADER	
	S001		M		SYNTAX IDENTIFIER	
	0001		M	a4	Syntax identifier	'UNOC' Controlling agency
	0002		M	n1	Syntax version number	'2'
	S002		M		INTERCHANGE SENDER	

1	2	3	4	5	6	7
	0004		M	an..35 (an25)	Sender identification	Mailbox number or unique name or the unique identifier of a RIS-centre or traffic post
	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 or the unique identifier of a RIS-centre or traffic post
	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 reference identification	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

1	2	3	4	5	6	7
	0032			an..35	Communications agreement id	n.a.
	0035			C	Test indicator	Test indicator '1' = the interchange relates to a test message
	UNH		M		IDENTIFICATION, SPECIFICATION AND HEADING OF A MESSAGE	
	0062		M	an..14	Message reference number	First 14 positions of the message number
	S009		M		MESSAGE IDENTIFIER	Message identification
		0065	M	an..6	Message type	'BERMAN', message type
		0052	M	an..3	Message version number	'D', message version number
		0054	M	an..3	Message release number	'05B', message release number
		0051	M	an..2	Controlling agency	'UN', controlling agency
		0057	M	an..6	Association assigned code	'ERI13', ERI version 1.3
		0068	C	an..35	Common access reference	Reference to all messages related to one common file
	S010				STATUS OF THE TRANSFER	
		0070		n..2	Sequence of transfers	n.a.
		0073		a1	First and last transfer	n.a.
	BGM		M		BEGINNING OF MESSAGE	Identification of the type and function of the message
	C002				DOCUMENT/MESSAGE NAME	

1	2	3	4	5	6	7
	1001		M	an..3	Document/message name code	<p>Message Type:</p> <p>'22' = Final transmission (End of voyage)</p> <p>23 Status information Information regarding the status of a related message.</p> <p>185 Conveyance declaration (arrival) Declaration to the public authority upon arrival of the conveyance.</p> <p>186 Conveyance declaration (departure) Declaration to the public authority upon departure of the conveyance.</p> <p>187 Conveyance declaration (combined) Combined declaration of arrival and departure to the public authority.</p> <p>318 Application for shifting from the designated place in port Document to apply for shifting from the designated place in port.</p> <p>282 Modification of existing message Requesting a change to an existing message.</p> <p><i>Note: 187 to be used as continued voyage indicator</i></p>
	1131			an..17	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	Document identifier	Use max. (an15) for message reference number
	1056			an..9	Version	
	1060			an..6	Revision number	

1	2	3	4	5	6	7
	1225		M	an..3	Message function code	Function of message: '9' = new message, original '5' = modification message by replacement '1' = cancellation '22' = Final transmission (End of voyage) '150' = Interruption of voyage' '151' = Restart of voyage
	4343			an..3	Response type code	'QA'
	DTM		M		DATE/TIME/PERIOD	
	C507		M		DATE/TIME/PERIOD	
	2005		M	an..3	Date or time or period function code qualifier	'137' Date of preparation
	2380		M	an..35	Date or time period value	Date: CCYYMMDD
	2379		M	an..3	Date or time or period format code	'102' For CCYYMMDDHHMM use '203'
	FTX		C		FREE TEXT	
	4451		M	an..3	Text subject code qualifier	'CHG' = Change information
	4453			an..3	Free text function code	n.a.
	C107				TEXT REFERENCE	

1	2	3	4	5	6	7
	4441		C	an..17	Free text identification	General information on the call of the vessel CAM = mistakes in previous message CAN = cancelled because of cargo change GIV = General info vessel
	1131			an..17	Code list qualifier	n.a.
	3055			an..3	Code list responsible agency	n.a.
	C108		C			
	4440		C	an..512	Free text	Free text: Vessel defects info (vessel, nautical equipment, cargo handling, protruding parts, fire, overheating, smoke)
	4440			an..512	Free text	n.a.
	4440			an..512	Free text	n.a.
	4440			an..512	Free text	n.a.
	4440			an..512	Free text	n.a.
	3453			an..3	Language, coded	n.a.
	4447			an..3	Text formatting, coded	n.a.
	RFF		C		REFERENCE	Reference to the message which is changed, mandatory if the message is a modification message
	C506		M		REFERENCE	

1	2	3	4	5	6	7
	1153		M	an..3	Reference qualifier	'ACW' Reference to previous message
	1154		M	an..70	Reference number	Use (an15) message reference number of the BGM, tag 1004 of the message this current message refers to
	1156			an..6	Line number	n.a.
	4000			an..35	Reference version number	n.a.
	1060			an..6	Revision number	n.a.
	RFF		C		REFERENCE	Reference information
	C506		M		REFERENCE	Only if known
	1153		M	an..3	Reference qualifier	'ATZ' Ship's stay reference number 'GDN' General Declaration number 'AAE' Goods declaration number
	1154		M	an..70	Reference identifier	Reference number or declaration number
	1156			an..6	Line number	n.a.
	4000			an..35	Reference version number	n.a.
	1060			an..6	Revision number	n.a.
	RFF		C		REFERENCE	REFERENCE INFORMATION
	C506		M		REFERENCE	

1	2	3	4	5	6	7
	1153		M	an..3	Reference qualifier	EPC = Electronic port clearance (single window) 'ACE' Related document number 'EPC' Referenced document is sent via EDI and an EPC application 'ROB' Referenced document is available but remains on board
	1154		M	an..70	Reference identifier	'799' Ship's stores declaration '797' Maritime declaration of health '745' Passenger list '744' Crew's effects declaration '250' Crew list declaration '85' Cargo declaration
	1156			an..6	Line number	n.a.
	4000			an..35	Reference version number	n.a.
	1060			an..6	Revision number	n.a.
NAD Gr 1	NAD		M		Name and address	
	3035		M	an..3	Party function code qualifier	Sender, carrier's agent and/or vessel master are mandatory Name type: 'MS' Message sender 'CG' Carrier's agent 'CPE' Vessel captain (master) 'AM' Authorised official (security officer)

1	2	3	4	5	6	7
	C082		C		PARTY IDENTIFICATION DETAILS	Code if known at receiver, otherwise other fields
	3039		M	an..35	Party identification	EAN number
	1131			an..17	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				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.
	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	n.a.
	3042			an..35	Street and number/PO box	n.a.
	3042			an..35	Street and number/PO box	n.a.

1	2	3	4	5	6	7
	3042			an..35	Street and number/PO box	n.a.
	3042			an..35	Street and number/PO box	n.a.
	3164			an..35	City Name	n.a.
	C819				Country sub-entity details	n.a.
	3229			an..9	n.a.	n.a.
	1132			an..17	n.a.	n.a.
	3055			an..3	n.a.	n.a.
	3228			an..70	n.a.	n.a.
	3251		C	an..17	Postcode identification	Postal identification code
	3207		C	an..3	Country	ISO 3166-1 two digit alpha country code, see Annex Part II, Chapter 2.3.8
<i>NAD Gr 2</i>	CTA		M	NAD	CONTACT INFORMATION	Sender contact details
	3139		M	an..3	Contact function	'IC' = Information contact
	C056				DEPARTMENT OR EMPLOYEE DETAILS	
	3413			an..17	Department or employee identification	n.a.
	3412		C	an..35	Department or employee	Contact person, name or function
<i>CTA</i>	COM		C	NAD/CTA	COMMUNICATION CONTACT	Sender communication contact details
	C076				COMMUNICATION CONTACT	

1	2	3	4	5	6	7
	3148		M	an..512	Communication number	Communication number
	3155		M	an..3	Communication channel qualifier	'TE' for telephone number 'FX' for fax number 'EM' for email address 'EI' for EDI mailbox number (EDI number or email address for NAD 1 is mandatory if a response in the form of an APERAK message is requested for. If no response is requested, the EDI number and email address is not to be used).
<i>TDT Gr 3</i>	TDT		M		TRANSPORT INFORMATION	Specification of the means of transport, the <i>naming vessel within a convoy</i> (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		M	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 UNECE Rec. 19
	8066			an..17	Mode of transport	n.a.
	C228		M		TRANSPORT MEANS	
	8179		M	an..8	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 Part II, Chapter 2.3.1
	8178			an..17	Type of means of transport	n.a.

1	2	3	4	5	6	7
	C040				CARRIER	n.a.
	3127			an..17	Carrier identification	n.a.
	1131			an..17	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 IMO indication, 8 digits for unique European vessel identification number (ENI)
	1131			an..17	Code list qualifier	'IMO' for an IMO number, see Annex Part II, Chapter 2.3.2 'ENI' for a unique European vessel identification number, see Annex Part II, Chapter 2.3.3
	3055			an..3	Code list responsible agency	n.a.
	8212		M	an..35	ID of the means of transport	<i>Name of the ship.</i> If the name results in more than 35 positions, the name of the vessel is shortened.

1	2	3	4	5	6	7
	8453		M	an..3	Nationality of means of transport	ISO two-alpha country code 3166-1, see Annex Part II, Chapter 2.3.8. 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 shall be used.
	8281			an..3	Transport ownership	n.a.
<i>TDT</i>	RFF		C	TDT	REFERENCE	
	C506		M		REFERENCE	
	1153		M	an..3	Reference qualifier	'VM' Vessel identification 'PEX' Pilotage exemption number
	1154		M	an..70	Reference number	Radio call sign if applicable or the identity of each barge/ vessel in a combination (ERI ID) Number of exemption
	1156			an..6	Line number	n.a.
	4000			an..35	Reference version number	n.a.
	1060			an..6	Revision number	n.a.
<i>TDT</i>	DTM		C	TDT	DATE/TIME/PERIOD	
	C507		M		DATE/TIME/PERIOD	
	2005		M	an..3	Date or time or period function code qualifier	Local time at the place of arrival Code '132' = ETA
	2380		M	an..35	Date or time period value	Date/time: CCYYMMDDHHMM

1	2	3	4	5	6	7
	2379		M	an..3	Date or time or period format code	'203'
TDT	MEA		C	TDT	MEASUREMENTS	
	6311		M	an..3	Measurement purpose qualifier	Measurement application qualifier: 'AAE' Measurement
	C502		M		MEASUREMENT DETAILS	
	6313		M	an..3	Property measured	Measurement dimension: 'AAM' Gross tonnage of vessel, BT 'AAN' Net tonnage of vessel 'ACS' Length overall, 'ADS' Length bow to bridge 'WM' Width, maximum 'DP' Draft, maximum (depth) 'HM' Height maximum above the water (air draft)
	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	

1	2	3	4	5	6	7
	6411		M	an..3	Measurement unit qualifier	Measure unit qualifier: 'TNE' Metric tons 'CMT' Centimetre 'MTR' Metre
	6314		M	n..18	Measurement value	
	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.
TDT	FTX		C	TDT	FREE TEXT	
	4451		M	an..3	Text subject code qualifier	General subject indicator Text subject type 'ACB' Additional information 'AFJ' Defect description 'HAZ' Hazardous 'AAA' General goods description 'WAS' Waste reporting 'VES' vessel particulars

1	2	3	4	5	6	7
	4453		C	an..3	Free text function code	If text subject is ACB, WAS, AAA or AFJ, here the dangerous goods can be indicated through: 'DGN' = No dangerous goods 'DGY' = Dangerous goods on board
	C107		C		TEXT REFERENCE	
	4441		C	an..17	Free text identification	'WEX' = Waste report exempt for 'WAS' 'CGS' = Cargo is gassed for 'ACB' For 'HAZ': Co0 = 0 Cone Co1 = 1 Cones Co2 = 2 Cones Co3 = 3 Cones 'B' = Red Flag (B) for IMO 'V' special permit
	1131			an..17	Code list qualifier	n.a.
	3055			an..3	Code list responsible agency	n.a.
	C108		M			
	4440		C	an..512	Free text	Text description of defects such as AIS, Navigation equipment radar, engine, rudder, etc.
	4440			an..512	Free text	n.a.
	4440			an..512	Free text	n.a.
	4440			an..512	Free text	n.a.
	4440			an..512	Free text	n.a.

1	2	3	4	5	6	7
	3453			an..3	Language, coded	n.a.
	4447			an..3	Text formatting, coded	n.a.
TDT GR 4	LOC		M	TDT	PLACE/LOCATION IDENTIFICATION	Port.
	3227		M	an..3	Place/location qualifier	Place/location qualifier: '5' Place of departure '94' Previous of port of call '61' Next port of call '89' Place of registration '153' Port of call
	C517		M		LOCATION IDENTIFICATION	
	3225		M	an..25 (an5)	Place/location identification	UNECE location code (Rec. 16) of the port, see Annex Part II, Chapter 2.3.9
	1131			an..17	Code list qualifier	n.a.
	3055			an..3	Code list responsible agency	n.a.
	3224		C	an..256	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 Part II, Chapter 2.3.11
	1131			an..17	Code list qualifier	n.a.

1	2	3	4	5	6	7
	3055			an..3	Code list responsible agency	n.a.
	3222		D[Use 1]	an..70 (an..17)	Related place/location one	Full name of the terminal
	C553		C		RELATED LOCATION TWO IDENTIFICATION	
	3233		C	an..25 (an..5)	Related place/location two identification	Fairway section code, see Annex Part II, Chapter 2.3.10
	1131			an..17	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.
	DTM		C	TDT/LOC	DATE/TIME/PERIOD	Required if place of registration is given
	C507		M		DATE/TIME/PERIOD	
	2005		M	an..3	Date or time or period function code qualifier	'259' Registration date
	2380		M	an..35	Date or time period value	Date: CCYYMMDD
	2379		M	an..3	Date or time or period format code	'102' date format
TSR Gr 7	TSR		M		Transport service requirements	
	C536				Contract and carriage condition	n.a.

1	2	3	4	5	6	7
	4065			an..3	Contract and carriage condition code	n.a.
	1131			an..17	Code list identification code	n.a.
	3055			an..3	Code list responsible agency code	n.a.
	C233		M		Service	
	7273		M	an..3	Service requirement code	Service requirement: 'BER' Request for mooring service at a berth 'PIL' Request for pilot service 'VTS' Request for Vessel Traffic Services 'TUG' Request for tugboat service 'MAR' Planned handling of MARPOL substances 'SEC' Security services
	1131			an..17	Code list identification code	n.a.
	3055			an..3	Code list responsible agency code	n.a.
	7273			an..3	Service requirement code	n.a.
	1131			an..17	Code list identification code	n.a.
	3055			an..3	Code list responsible agency code	n.a.
	C537				Transport priority	
	4219			an..3	Transport service priority code	n.a.
	1131			an..17	Code list identification code	n.a.
	3055			an..3	Code list responsible agency code	n.a.
	C703				Nature of cargo	

1	2	3	4	5	6	7
	7085			an..3	Cargo type classification code	n.a.
	1131			an..17	Code list identification code	n.a.
	3055			an..3	Code list responsible agency code	n.a.
TSR	QTY		C	TSR/QTY	QUANTITY	To indicate the number of crew, passengers and others such as pets or other animals
	C186		M		Quantity details	
	6063		M	an..3	Quantity type code qualifier	'115' = Total number of crew on board including the master '114' = Total number of people on board '14' = Total number of animals on board
	6060		M	an...35	Quantity	Number e.g. 4
	6411		C	an..8	Measure unit code	n.a.
TSR Gr 8	LOC		M	TSR	PLACE/LOCATION IDENTIFICATION	Port
	3227		M	an..3	Place/location qualifier	Place/location qualifier: '5' Place of departure '94' Previous of port of call '61' Next port of call '89' Place of registration '153' Port of call
	C517		M		LOCATION IDENTIFICATION	

1	2	3	4	5	6	7
	3225		M	an..25 (an5)	Place/location identification	UNECE location code (Rec. 16) of the port, see Annex Part II, Chapter 2.3.9
	1131			an..17	Code list qualifier	n.a.
	3055			an..3	Code list responsible agency	n.a.
	3224		C	an..256 (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 Part II, Chapter 2.3.11
	1131			an..17	Code list qualifier	n.a.
	3055			an..3	Code list responsible agency	n.a.
	3222		D[Use 1]	an..70 (an..35)	Related place/location one	Full name of the terminal
	C553		C		RELATED LOCATION TWO IDENTIFICATION	
	3233		M	an..25 (an..5)	Related place/location two identification	Fairway section code, see Annex Part II, Chapter 2.3.10
	1131			an..17	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

1	2	3	4	5	6	7
	5479			an..3	Relation	n.a.
Gr 8	DTM		C	TSR/LOC	DATE/TIME/PERIOD	Date and time of the start of the transport service requirement
	C507		M		DATE/TIME/PERIOD	
		2005	M	an..3	Date or time or period function code qualifier	'132' Arrival date/time, estimated
		2380	M	an..35	Date or time period value	Time: CCYYMMDDHHMM
		2379	M	an..3	Date or time or period format code	'203'
Gr 8	QTY		C	TSR/LOC	QUANTITY	
	C186		M		Quantity details	Quantity details
		6063	M	an..3	Quantity type code qualifier:	Quantity type code qualifier: '1' Discrete quantity
		6060	M	an..35	Quantity	Number of tugboats required Number of linesman
		6411		an..3	Measurement unit code	n.a.
Gr 8	POC		M	TSR	PURPOSE OF CALL	
	C525		M		Purpose of conveyance call	Purpose of conveyance call

1	2	3	4	5	6	7
	8025		M	an..3	Conveyance call purpose description code	'1' Cargo operation '2' Passenger movement '3' Taking bunkers '4' Changing crew '5' Goodwill visit '6' Taking supplies '7' Repair '8' Laid-up '9' Awaiting orders '10' Miscellaneous '11' Crew movement '12' Cruise, leisure and recreation '13' This is a visit to a port which has been ordered by government '14' Quarantine inspection '15' Refuge '16' Tank cleaning '17' Waste disposal
	1131			an..17	Code list identification code	n.a.
	3055			an..3	Code list responsible agency code	n.a.
	8024			an..35	Conveyance call purpose description	n.a.

1	2	3	4	5	6	7
Gr 8	FTX		C	TSR/LOC	FREE TEXT	<i>Only to be used for security information</i>
	4451		M	an..3	Text subject code qualifier	The security information may be given in 4441 'SEC' Current security information
	4453			an..3	Free text function code	n.a.
	C107		M		TEXT REFERENCE	
	4441		M	an..17	Free text identification	Level of security S1 Security level 1 S2 Security level 2 S3 Security level 3
	1131			an..17	Code list qualifier	n.a.
	3055			an..3	Code list responsible agency	n.a.
	C108		M			
	4440		M	an..512	Free text	Further remarks 'PER' followed by the number of persons on board.
	4440		C	an..512	Free text	ISSC information 'SCN' Security certificate not available 'SCY' Security certificate on board
	4440		C	an..512	Free text	Here the brand of the car and licence plate number can be given 'CAR' licence number
	4440		C	an..512	Free text	Free text: Name of the service provider requested for in the TSR segment

1	2	3	4	5	6	7
	4440			an..512	Free text	n.a.
	3453			an..3	Language, coded	n.a.
	4447			an..3	Text formatting, coded	n.a.
LOC Gr 9	HAN		C	TSR/LOC	HANDLING INSTRUCTIONS	
	C524		M		HANDLING INSTRUCTIONS	Handling instructions
	4079		M	an..3	Handling instructions, coded	Handling instructions coded: 'LLO' 'LOA' = Loading 'LDI' 'DIS' = Discharge 'RES' 'RES' = Re-stow 'T' 'TRA' = Transit 'TSP' 'CTC' = Cargo tank cleaning 'BUN' 'BUN' = Bunkering only 'DRY' 'RED' = Repairs in dry-dock 'WET' 'REW' = Repairs in wet-dock 'NCO' = No cargo operation
	1131			an..17	Code list qualifier	n.a.
	3055			an..3	Code list responsible agency, coded	n.a.
	4078		C	an..70	Handling instructions	Bolder numbers, preferred side for berthing, pilot embarkation point, MFO, MDF, fresh water, etc.
	C218				HAZARDOUS MATERIAL	
	7419			an..7	Hazardous material class code, identification	n.a.
	1131			an..17	Code list qualifier	n.a.

1	2	3	4	5	6	7
	3055			an..3	Code list responsible agency, coded	n.a.
	7418			an..35	Hazardous material class	n.a.
<i>HAN Gr 10</i>	GDS		M	TSR/LOC/ HAN	NATURE OF CARGO	
	C703		M		Nature of cargo	
	7085		M	an..3	Cargo type classification code	Nature of cargo coded '5' Other non-containerised '6' Vehicles '7' Roll-on roll-off '8' Palletised '9' Containerised '10' Break bulk '11' Hazardous cargo '12' General cargo '13' Liquid cargo '14' Temperature controlled cargo '15' Environmental pollutant cargo '16' Not-hazardous cargo '17' Diplomatic '18' Military '19' Obnoxious '21' Household goods '22' Frozen cargo '30' Cargo in bulk (sand, gravel, ore, etc.)

1	2	3	4	5	6	7
	1131			an..17	Code list identification code.	n.a.
	3055			an..3	n.a.	n.a.
	MEA		C	TSR/LOC/ HAN/GDS	MEASUREMENTS	
	6311		M	an..3	Measurement purpose qualifier	Measurement application qualifier: 'AAE' Measurement
	C502		M		MEASUREMENT DETAILS	Measurement details
	6313		M	an..3	Property measured	Measurement dimension: 'G' Gross weight
	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	

1	2	3	4	5	6	7
	6411		M	an..3	Measurement unit qualifier	Measure unit qualifier: 'KGM' Kilogram 'TNE' Metric tons
	6314		M	n..18	Measurement value	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	
	UNT		M		MESSAGE TRAILER	End and control of completeness of the message
	0074		M	n..10	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

Business Rules

D[USE 1]	If the code is XXXXX, then this data-element shall be completed.
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