



ERI Guide Part III

Annex V

Berman 2.0
Message Implementation Guideline
Bert Management Message
Port Services Request

Version 2.0

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1. Necessary data in accordance with the FAL Convention

In the General Declaration, public authorities should not require more than the following information:

2.2.2 Recommended Practice

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 ISPS¹ 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 nr. of persons and vehicles

* In most cases only the number of persons on board (19) should be sufficient otherwise total number of passengers and crew can be given separately

¹ 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 July 1st 2004



2. Message function

2.1 Functional definition

The functional definition of the BERMAN message is as follows:

The Berth management message is a message from a carrier, its agent or a ship to the responsible authority of the Port, requesting a berth, giving details of the call, ship, berth requirements and expected operations.

Note: In accordance with the IMO Compendium the Berman message can be used as a substitute for the IMO General declaration (CUSREP) for the purpose of the announcement of the expected arrival of a ship in a certain port.

2.2 Message principles

The following principles are applicable to the BERMAN message:

1. A message will contain information on only one means of transport/conveyance.
2. One message relates to one visit of a ship to one port of call.
3. The visit of the ship is 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 incorporates the (legal) requirements regarding the notification of a ship to a port. It supports 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 contains 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 at the entry point and previous port of call of the ship are mandatory.
6. A SHIFT berthing request contains 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 for the first berth is mandatory. The Shift berthing request may further contain the other berths that are planned to be visited during this Ship's call, including the ETA at these berths.
7. A departure request will 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 is mandatory information upon departure.
8. The message is based on and supports the implementation by means of EDI of the following international and European legislation:
 - the **IMO FAL Form 1** (as also contained in the IMO Compendium on Facilitation and electronic business, document FAL.5/Circ.15, dated February 19, 2001 and



also contained in the European Directive “on reporting formalities for ships arriving in and/or departing from ports of the Member States of the Community”, Directive 2002/6/EC, dated 18 February 2002).

- **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 as may be amended under agreed provisions and also contained in a proposal of the European Commission to The European Parliament and of the Council for a regulation on enhancing ship and port facility security, dated May 2, 2003, ref. COM(2003) 229 final, 2003/0089 (COD).
9. The message caters for the provision of sending a Replacement or a Cancellation of a previously sent Original message.
 10. The message content is uniquely identified by means of the message reference (in BGM 1004) and the message sender identification (in NAD(MS) 3039). All other identifying data, such as 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.

BERMAN Edifact notification

The pre-arrival notification is based on the EDIFACT Berman message as published in the UN/EDIFACT D 04B directory.

It is strongly advised that for all implementations of this message independent of the syntax being used the data elements, codes and references mentioned in this message are followed.



3. Message structure

Page	Pos.	Seg.		Base	User		Group	Notes and
No.	No.	ID	Name	Status	Status	Max.Use	Repeat	Comments
		UNA		C	C	1		
		UNB		M	M	1		
	0010	UNH	Message Header	M	M	1		
	0020	BGM	Beginning of Message	M	M	1		
	0030	DTM	Date/Time/Period	C	R	1		
	0040	FTX	Free Text	C	D	1		
	0050	RFF	Reference	C	D	3		Message Ship
	0070		Segment Group 1: NAD-SG2	M	M		9	
	0080	NAD	Name and Address	M	M	1		Sender Recipient ,Agent, Captain, Security officer
	0090		Segment Group 2: CTA-COM	C	O		1	
	0100	CTA	Contact Information	M	M	1		
	0110	COM	Communication Contact	C	O	3		
	0120		Segment Group 3: TDT-RFF-MEA- FTX-SG4	M	M		1	
	0130	TDT	Transport Information	M	M	1		Ship ID
	0140	RFF	Reference	C	D	1	6	
	0160	MEA	Measurements	C	R	1	9	LOA Draft, GRT
	0170	FTX	Free Text	C	O	1	3	DGS Cargo Desc Indicator
	0190		Segment Group 4: LOC-DTM	C	R		9	
	0200	LOC	Place/Location Identification	M	M	1		Port Arr. Prev. Port Next port, Final Dest
	0210	DTM	Date/Time/Period	C	M	1	2	ETA ETD
	0300		Segment Group 7: TSR-QTY-SG8	C	O		4	
	0310	TSR	Transport Service Requirements	M	M	1		Request
	0320	QTY	Quantity	C	D	1	2	persons
	0330	FTX	Free Text	C	R	1	9	ISSC, Security level, Capable CAR
	0340		Segment Group 8: LOC-DTM-POC- SG9	C	C		4	
	0350	LOC	Place/Location Identification	M	M	1		Activity Loc
	0370	DTM	Date/Time/Period	C	D	1	2	
	0380	QTY	Quantity	C	D	1	2	
	0390	POC	Purpose of Call	C	O	9		
	0400	FTX	Free Text	C	R	1		
	0410		Segment Group 9: HAN-NAD	C	O		4	
	0420	HAN	Handling Instructions	M	M	1		Port Services
	0430	NAD	Name and Address	C	D	1	4	



0500 UNT Message Trailer M M 1
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	Mandatory Conditional	Format	Description segments/ fields	Description of qualifiers and used codes, general remarks on usage of data elements, Usage notes



Segment Group	Segment Composite data element (C) Data element TAG	Level	Mandatory Conditional	Format	Description segments/ fields	Description of qualifiers and used codes, general remarks on usage of data elements, Usage notes
	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	Space
			M	an1	Segment terminator	'
					Advised string: UNA:+.? '	6 characters
	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	
	0004		M	an..35 (an25)	Sender identification	Mailbox number or unique name
	0007			an..4	Partner identification code qualifier	n.a.
	0008			an..14	Address for reverse routing	n.a.
	S003		M		INTERCHANGE RECIPIENT	
	0010		M	an..35 (an25)	Recipient identification	Mailbox number or unique name
	0007		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.



Segment Group	Segment Composite data element (C) Data element TAG	Level	Mandatory Conditional	Format	Description segments/ fields	Description of qualifiers and used codes, general remarks on usage of data elements, Usage notes
	0026				an..14	Application reference
	0029				a1	Processing priority code
	0031		C	C	n1	Acknowledgement request
	0032				an..35	n.a.
	0035			C	n1	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	"ERI20", association assigned code /ERI / Protect version 2.0
	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.



Segment Group	Segment Composite data element (C) Data element TAG	Level	Mandatory Conditional	Format	Description segments/ fields	Description of qualifiers and used codes, general remarks on usage of data elements, Usage notes
	BGM		M		Identification of the type and function of the message	
	C002				Message name	
	1001		M	an..3	Document / message name code	Message Type: "185" Arrival "186" Departure "187" Combination, shift "318" Application for shifting "23" Status information,... Change of original 187 Note: 187 to be used as continued voyage indicator
	1131			an..17	Code list qualifier	
	3055			an..3	Code list responsible agency	
	1000			an..35	Document / message name	
	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	
	1225		M	an..3	Message function code	Function of message: "9" = new message, original "5" = modification message by replacement "1" = cancellation
	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"



Segment Group	Segment Composite data element (C) Data element TAG	Level	Mandatory Conditional	Format	Description segments/ fields	Description of qualifiers and used codes, general remarks on usage of data elements, Usage notes
	FTX		C		Free text	
	4451		M	an..3	Text subject code qualifier	
	4453			an..3	Free text function code	
	C107				TEXT REFERENCE	
	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	
	3055			an..3	Code list responsible agency	
	C108		C			
	4440		C	an..512	Free text	Free text: Vessel Defects info (Vessel, Nautical equipment, Cargo handling, Protruding parts, Fire, Overheating, Smoke
	4440		C	an..512	Free text	
	4440			an..512	Free text	
	4440			an..512	Free text	
	3453			an..3	Language, coded	
	4447			an..3	Text formatting, coded	



Segment Group	Segment Composite data element (C) Data element TAG	Level	Mandatory Conditional	Format	Description segments/ fields	Description of qualifiers and used codes, general remarks on usage of data elements, Usage notes
	RFF		C		REFERENCE	Reference to the message which is changed, mandatory if the message is a modification message
	C506		M		REFERENCE	
	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	
	4000			an..35	Reference version number	
	1060			an..6	Revision number	
	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.



Segment Group	Segment Composite data element (C) Data element TAG	Level	Mandatory Conditional	Format	Description segments/ fields	Description of qualifiers and used codes, general remarks on usage of data elements, Usage notes
	RFF		C		REFERENCE	
	C506		M		REFERENCE	
	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" Customs manifest
	1156			an..6	Line number	n.a.
	4000			an..35	Reference version number	n.a.
	1060			an..6	Revision number	n.a.



Segment Group	Segment Composite data element (C) Data element TAG	Level	Mandatory Conditional	Format	Description segments/ fields	Description of qualifiers and used codes, general remarks on usage of data elements, Usage notes
NAD Gr 1	NAD		M		Name and address	
	3035		M	an..3	NAME and ADDRESS	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)
	C082		C		Party function code qualifier	Code if known at receiver, otherwise other fields
	3039		M	an..35	PARTY IDENTIFICATION DETAILS	
	1131			an..17	Party identification	
	3055			an..3	Code list qualifier	
	C058				Code list responsible agency	
	3124			an..35	NAME AND ADDRESS	
	3124			an..35	Name and address line	
	3124			an..35	Name and address line	
	3124			an..35	Name and address line	
	3124			an..35	Name and address line	
	C080		C		Name and address line	
	3036		M	an..35	PARTY NAME	
	3036			an..35	Party name	
	3036			an..35	Party name	
	3036			an..35	Party name	
	3036			an..35	Party name	
	3045			an..3	Party name	
	C059		C		Party name format, coded	
	3042		M	an..35	STREET	
	3042			an..35	Street and number / p.o. box	
	3042			an..35	Street and number / p.o. box	
	3042			an..35	Street and number / p.o. box	
	3164		C	an..35	Street and number / p.o. box	
	C819				Country sub-entity details	
	3229			an..9	n.a.	
	1132			an..17	n.a.	
	3055			an..3	n.a.	



Segment Group	Segment Composite data element (C) Data element TAG	Level	Mandatory Conditional	Format	Description segments/ fields	Description of qualifiers and used codes, general remarks on usage of data elements, Usage notes
	3228			an..70	n.a.	
	3251		C	an..17	postcode identification	Postal identification code
	3207		C	an..3	country	ISO 3166-1 two alpha country code, see Part 4, Section 5, No.12
					XXXXXXX	
NAD Gr 2	CTA		C	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
CTA	COM		C	NAD/CT A	COMMUNICATION CONTACT	Sender communication contact details
	C076				COMMUNICATION CONTACT	
	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 E-mail address "EI" for EDI mailbox number (EDI number or E-mail address for NAD 1 is mandatory if a response in the form of an APERAK message is requested for. If no response is requested, the EDI number and E-mail address is not to be used).



Segment Group	Segment Composite data element (C) Data element TAG	Level	Mandatory Conditional	Format	Description segments/ fields	Description of qualifiers and used codes, general remarks on usage of data elements, Usage notes
TDT Gr 3	TDT		M		TRANSPORT Information	Specification of the means of transport, the naming vessel within a convoy (a single vessel without barge is also a convoy in this context)
	8051		M	an..3	Transport stage code qualifier	"20" for main carriage transport
	8028		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 UN/ECE 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 Part 4, Section 5, Section 5 No. 1
	8178			an..17	Type of means of transport	n.a.
	C040		C		CARRIER	n.a.
	3127		C	an..17	Carrier identification	n.a.
	1131			an..17	Code list qualifier	n.a.
	3055			an..3	Code list responsible agency	n.a.
	3128		C	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	ID. of means of transport identification	Vessel number : 7 digits for OFS or IMO indication, 8



Segment Group	Segment Composite data element (C) Data element TAG	Level	Mandatory Conditional	Format	Description segments/ fields	Description of qualifiers and used codes, general remarks on usage of data elements, Usage notes
						digits for ERN indication and unique European vessel identification number
	1131			an..17	Code list qualifier	<p>“OFS” for a Official Ship Number of CCNR system, see Part 4, Section 5, Section 5, No. 2</p> <p>“IMO” for an IMO-number, see Part 4, Section 5, No. 3</p> <p>“ERN” for all other ships (Electronic Reporting International Number), see Part 4, Section 5, , No. 4</p> <p>“ENI” for a unique European vessel identification number, see Part 4, Section 5, , no 5</p>
	3055			an..3	Code list responsible agency	n.a.
	8212		M	an..35	Id. Of the means of transport	Name of the ship; If the name results in more than 35 positions, the name of the vessel is shortened
	8453		M	an..3	Nationality of means of transport	ISO two-alpha country code 3166-1, see Part 4, Section 5, No. 12 If the nationality of the means of transport is not known the 3 digit code of the competent authority which issued the European Vessel Identification Number should be used.
	8281			an..3	Transport ownership	n.a.



Segment Group	Segment Composite data element (C) Data element TAG	Level	Mandatory Conditional	Format	Description segments/ fields	Description of qualifiers and used codes, general remarks on usage of data elements, Usage notes
TDT	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 (OFS / ERI ID Number of exemption
	1156			an..6	Line number	
	4000			an..35	Reference version number	
	1060			an..6	Revision number	
TDT	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	Datetime: CCYYMMDDHHMM
	2379		M	an..3	Date or time or period format code	“203”



Segment Group	Segment Composite data element (C) Data element TAG	Level	Mandatory Conditional	Format	Description segments/ fields	Description of qualifiers and used codes, general remarks on usage of data elements, Usage notes
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	
	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.



Segment Group	Segment Composite data element (C) Data element TAG	Level	Mandatory Conditional	Format	Description segments/ fields	Description of qualifiers and used codes, general remarks on usage of data elements, Usage notes
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" Gen Goods description "WAS" Waste reporting "VES" Vessel particulars
	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	
	3055			an..3	Code list responsible agency	
	C108		M			
	4440		C	an..512	Free text	Text description of defects such as AIS, Navigation equipment Radar, engine,



Segment Group	Segment Composite data element (C) Data element TAG	Level	Mandatory Conditional	Format	Description segments/ fields	Description of qualifiers and used codes, general remarks on usage of data elements, Usage notes
						rudder etc
	4440		C	an..512	Free text	n.a.
	4440		D	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.



Segment Group	Segment Composite data element (C) Data element TAG	Level	Mandatory Conditional	Format	Description segments/ fields	Description of qualifiers and used codes, general remarks on usage of data elements, Usage notes
TDT GR 4	LOC		C	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	Place / location identification	UN/ECE Location code (Rec. 16) of the port, see Part 4, Section 5, No. 13
	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				RELATED LOCATION ONE IDENTIFICATION	
	3223			an..25	Related place / location one identification	Terminal code, see Part 4, Section 5, No. 15
	1131			an..17	Code list qualifier	n.a.
	3055			an..3	Code list responsible agency	n.a.
	3222			an..70	Related place / location one	Full name of the terminal.
	C553				RELATED LOCATION TWO IDENTIFICATION	
	3233			an..25	Related place / location two identification	Fairway section code, see Part 4, Section 5, No. 14
	1131			an..17	Code list qualifier	
	3055			an..3	Code list responsible agency	n.a.
	3232			an..70	Related place / location two	Fairway section hectometre
	5479			an..3	Relation	n.a.



Segment Group	Segment Composite data element (C) Data element TAG	Level	Mandatory Conditional	Format	Description segments/ fields	Description of qualifiers and used codes, general remarks on usage of data elements, Usage notes
	DTM		C	TDT/LO C	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



Segment Group	Segment Composite data element (C) Data element TAG	Level	Mandatory Conditional	Format	Description segments/ fields	Description of qualifiers and used codes, general remarks on usage of data elements, Usage notes
TSR Gr 7	TSR		C		Transport service requirements	
	C536		C		Contract & Carriage condition	n.a.
	4065		M	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	n.a.
	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	
	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.



Segment Group	Segment Composite data element (C) Data element TAG	Level	Mandatory Conditional	Format	Description segments/ fields	Description of qualifiers and used codes, general remarks on usage of data elements, Usage notes



Segment Group	Segment Composite data element (C) Data element TAG	Level	Mandatory Conditional	Format	Description segments/ fields	Description of qualifiers and used codes, general remarks on usage of data elements, Usage notes
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	
TSR Gr 8	LOC		C	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	
	3225		M	an..25	Place / location identification	UN/ECE Location code (Rec. 16) of the port, see Part 4, Section 5, No. 13
	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 location
	C519		C		RELATED LOCATION ONE IDENTIFICATION	
	3223		M	an..25	Related place / location one identification	Terminal code, see Part 4, Section 5, No. 15



Segment Group	Segment Composite data element (C) Data element TAG	Level	Mandatory Conditional	Format	Description segments/ fields	Description of qualifiers and used codes, general remarks on usage of data elements, Usage notes
	1131			an..17	Code list qualifier	n.a.
	3055			an..3	Code list responsible agency	n.a.
	3222		C	an..70	Related place / location one	Full name of the terminal.
	C553		C		RELATED LOCATION TWO IDENTIFICATION	
	3233		M	an..25	Related place / location two identification	Fairway section code, see Part 4, Section 5, No. 14
	1131			an..17	Code list qualifier	
	3055			an..3	Code list responsible agency	n.a.
	3232		C	an..70	Related place / location two	Fairway section hectometre
	5479			an..3	Relation	n.a.
Gr 8	DTM		C	TSR/LO C	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/LO C	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.



Segment Group	Segment Composite data element (C) Data element TAG	Level	Mandatory Conditional	Format	Description segments/ fields	Description of qualifiers and used codes, general remarks on usage of data elements, Usage notes
Gr 8	POC		M	TSR	Purpose of call	
	C525		M		Purpose of conveyance call	Purpose of conveyance call
	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.



Segment Group	Segment Composite data element (C) Data element TAG	Level	Mandatory Conditional	Format	Description segments/ fields	Description of qualifiers and used codes, general remarks on usage of data elements, Usage notes
Gr 8	FTX		C	TSR/LO C	Free text	Only to be used for security information
	4451		M	an..3	Text subject code qualifier	The security information can be given in 4441 "SEC" Current security information
	4453			an..3	Free text function code	
	C107				TEXT REFERENCE	
	4441			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	
	3055			an..3	Code list responsible agency	
	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			an..512	Free text	Here the brand of the car and licence plate number can be given "CAR" license nr
	4440			an..512	Free text	Free text: Name of the service provider requested for in the TSR segment
	4440			an..512	Free text	
	3453			an..3	Language, coded	
	4447			an..3	Text formatting, coded	



Segment Group	Segment Composite data element (C) Data element TAG	Level	Mandatory Conditional	Format	Description segments/ fields	Description of qualifiers and used codes, general remarks on usage of data elements, Usage notes
LOC Gr 9	HAN		C	TSR/LO C	Handling instructions	
	C524		M		HANDLING INSTRUCTIONS	Handling instructions
	4079		M	an..3	Handling instructions, coded	Handling instructions coded: "LOA" = Loading "DIS" = Discharge "RES" = Re-stow "TRA" = Transit "CTC" = Cargo tank cleaning "CUS" = Customs declaration only "BUN" = Bunkering only "RED" = Repairs in dry-dock "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			an..70	Handling intructions	Bolder numbers, preferred side for berthing, pilot embarkation point, MFO, MDF, Fresh waterr etc
	C218				HAZERDOUS MATERIAL	
	7419			an..7	Hazardous material class code, indentification	n.a.
	1131			an..17	Code list qualifier	n.a.
	3055			an..3	Code list responsible agency, coded	n.a.
	7418			an..35	Hazardous material class	n.a.



Segment Group	Segment Composite data element (C) Data element TAG	Level	Mandatory Conditional	Format	Description segments/ fields	Description of qualifiers and used codes, general remarks on usage of data elements, Usage notes
HAN Gr 10	GDS		C	TSR/LO C/HAN	Nature of cargo	
	C703		M		Nature of cargo	
	7085		M	an..3	Cargo type classification code	Nature of cargo coded ² : "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)
	1131			an..17	Code list identification code.	n.a.
	3055			an..3	n.a.	n.a.

² For common maintenance and usage this code table will be added to Part IV of the ERI guide as annex 20 "Nature of Cargo"



Segment Group	Segment Composite data element (C) Data element TAG	Level	Mandatory Conditional	Format	Description segments/ fields	Description of qualifiers and used codes, general remarks on usage of data elements, Usage notes
	MEA		C	TSR/LO C/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	
	6155			an..17	Measurement attribute identification	
	6154			an..70	Measurement attribute	
	C174		M		VALUE/RANGE	
	6411		M	an..3	Measurement unit qualifier	Measure unit qualifier: "KGM" Kilogram "TNE" Metric Tons
	6314		M	n..18	Measurement value	
	6162			n..18	Range minimum	
	6152			n..18	Range maximum	
	6432			n..2	Significant digits	
	7383			an..3	Surface / layer indicator	
	UNT		M		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		End and control of the interchange	
	0036		M	n..6	Interchange control count	"1" for number of messages contained in the interchange
	0020		M	an..14	Interchange control reference	First 14 positions of the message reference number



4. Data attributes

Legend : M=mandatory, C=conditional, O=Optional, indication that attribute is mentioned in *IMO FAL Form 1 and/or SOLAS/ISPS Code*

Entity	Data attribute	BER MAN	IMO FAL	SOLA S /ISPS	Mapping	• Definition	• Condition
Header info:							
	MESSAGE TYPE REQUEST BERTH CODE	M	M =Arr/ Dep		BGM.1001	Code identifying the request type of the message (e.g. request for arrival at, departure from berth in port, shift to other berth in port or request for transit through port area) as specified by the sender.	
	MESSAGE REFERENCE	M			BGM.1004	Reference number of the message assigned by the sender this must be unique for the sender within the message type and business application area.	
	MESSAGE FUNCTION INDICATOR	M			BGM.1225	Indication whether the message is an original, a replacement or a cancellation.	



Entity	Data attribute	BER MAN	IMO FAL	SOLA S /ISPS	Mapping	• Definition	• Condition
	MESSAGE DATE TIME	M	M		DTM(137).2380	Date and time at which the information supplied in the message has been created (local time). (This is not (necessarily) the time the message is processed, converted or sent. It is the date/time of the 'letter' and not the date/time of the 'postal stamp' on the envelop (which is in UNB).)	
	MESSAGE CHANGE REFERENCE PREVIOUS MESSAGE	C			RFF(ACW).1154	Reference number assigned by the sender of the previously sent message instance to which the replacement (or other change(s)) apply.	To be completed in case message is other than Original.
	MESSAGE CHANGE REMARKS CODED	C			FTX(CHG).4441	Coded indication of the (kind of) change(s) contained in this message with respect to the previously sent message.	May only be completed in case message is other than Original.
	MESSAGE SENDER ID and NAD	M			NAD(MS).3039 and 3124	Identification code of the party sending the message.	
	MESSAGE SENDER CONTACT PERSON	O			CTA(IC).3412 in NAD(MS) group	Name of the contact person of the message sender.	
	MESSAGE SENDER CONTACT	O			COM.3148(TE/FX/E	Phone number / fax number / email	



Entity	Data attribute	BER MAN	IMO FAL	SOLA S /ISPS	Mapping	• Definition	• Condition
	PHONE/FAX/E-MAIL				M) in NAD(MS).CTA(IC)	address of the contact person of the party sending the message.	
	MESSAGE RECIPIENT ID	M			NAD(MR).3039	Identification code of the message recipient.	
Parties info:							
-Agents		M5					
	CARRIER AGENT ID and NAD	M	M		NAD(CG).3039 and 3124	Identification code of the party acting on behalf of the carrier (cargo-agent)	
	CARRIER AGENT CONTACT NAME	M			CTA(IC).3412 in NAD(CG) group	Name of the contact person of the carrier's agent.	
	CARRIER AGENT CONTACT PHONE/FAX/EMAIL	O			COM.3148(TE/FX/E M) in NAD(CG).CTA(IC)	Phone number / fax number / email address of the contact person of the carrier's agent.	
	SHIP OWNER AGENT NAD	C			NAD(DQ).3124	Name and address of the party acting on behalf of the owner of the ship (synonym: Ship's operator).	In case of chartered Ships
	SHIP OWNER AGENT CONTACT NAME	C			CTA(IC).3412 in NAD(DQ) group	Name of the contact person of the owner's agent.	In case of chartered Ships



Entity	Data attribute	BER MAN	IMO FAL	SOLA S /ISPS	Mapping	• Definition	• Condition
	SHIP OWNER AGENT CONTACT PHONE/FAX/EMAIL	O			COM.3148(TE/FX/E M) in NAD(DQ).CTA(IC)	Phone number / fax number / email address of the contact person of the owner's agent.	
	NAME OF CAPTAIN	M	M		NAD(CPE).3124	Name of the Captain of the ship.	
	NAME SHIPS SECURITY OFFICER	O		-	NAD(AM).3124	Name of the person who is assigned the role of ship Security Officer in the context of the ISPS Code.	
	ISSC ISSUING AUTHORITY CODE or NAD	C		M	NAD(FO).3039 or 3124	Code or name and address of the Authority who has issued the International SHIP Security Certificate (ISSC).	Either the code or the name is to be completed if required by ISPS Code (dependant on the type of SHIP and voyage
SHIP info:							
	SHIP ID RADIO CALL SIGN	O			RFF(VM).1154 in TDT group	Radio Call Sign of the ship according the ITU. Note: Should be completed without spaces or hyphens.	Only for sea going Ships if required.
	SHIPS IDENTITY NUMBER	M	M		TDT(20).8213	Identification of the ship (IMO number or the unique ships identity number)	
	SHIP NAME	M	M		TDT.8212	Name of the vessel.	



Entity	Data attribute	BER MAN	IMO FAL	SOLA S /ISPS	Mapping	• Definition	• Condition
	SHIP NATIONALITY	M	M		TDT.8453	Code for nationality of the ship according to UN Country code.	
	CARRIER ID	O			TDT.3127	Identification of the carrier/ship's owner of the vessel e.g. from the SCAC code list (Standard Carrier Alpha Code USA).	This is the US code for Carriers.
	CARRIER NAD	O			NAD(CA).3124	Name and address of the carrier/owner of the ship.	
	SHIP TYPE CODE	M	M		TDT.8179	Code for vessel type according to UN/Recommendation 28	
	SHIP LENGTH	M			MEA(AAE).(ACS).(MTR).6314 in TDT group	Length of vessel overall in accordance with the Certificate of Registry	
	SHIP WIDTH MAXIMUM	O			MEA(AAE).(WM).(MTR).6314 in TDT group	Maximum distance from side to side of the ship.	
	SHIP DEADWEIGHT	O			MEA(AAE)(ABY).(TNE).6314	Registered summer dead weight total tonnage of the ship.	



Entity	Data attribute	BER MAN	IMO FAL	SOLA S /ISPS	Mapping	• Definition	• Condition
	SHIP TONNAGE GROSS	O	M		MEA(AAE).(AAM).(T NE).6314 in TDT group	Gross Tonnage in accordance with the certificate of registry	
	SHIP HELISPOT PRESENT INDICATOR	X			FTX.(TDT).4441 in TDT group	Indication that the vessel is equipped with a helispot (a place where an helicopter can land and take off.	Not used in inland waterway transportation
	SHIP PILOTAGE EXEMPTION NUMBER	O			RFF.(PEX).1154	The number of the declaration granting exemption with respect to the requirement to use piloting services for the ship to enter or leave the port.	
	SHIP WASTE REPORTING EXEMPTION INDICATOR	O			FTX.(WAS).4441 in TDT group	Indication that the ship is exempted to file a waste report for the Ship's call in the port.	
	SHIP REGISTRY CERTIFICATE PLACE CODE and NAME	O	O		LOC(89).3225 in TDT group	Name/code of the place where the ship was officially registered.	UN/LOCODE
	SHIP REGISTRY DATE	O	O		DTM(597).2380(102) . In TDT.LOC group	Date that the ship was officially registered.	
	SHIP REGISTRY NUMBER	C	O		TDT (20). 8213	Number assigned by the registration authority in the place where the ship was officially registered. For inland shipping this is the official number	If the number is known it should be submitted for control purposes, see also identity number



Entity	Data attribute	BER MAN	IMO FAL	SOLA S /ISPS	Mapping	• Definition	• Condition
Voyage info:							
	PORT OF ARRIVAL / DEPARTURE	M	M		LOC(153).3225 in TDT group	Voyage particulars Code according to un/locode	UN/LOCODE
	ENTRY POINT AT THE PORT	C			LOC(153).C519.3223 in TDT group	Code / name for the point of entry where the ship will enter the port area (VTS area). e.g. pilot station.	For Arrival
	EXIT POINT OF THE PORT	C			LOC(153).C553.3223 in TDT group	Code/name for the point of exit where the ship will leave the port area (VTS area). e.g. Pilot Station	For Departure
	PREVIOUS PORTS of CALL CODED	C	O		LOC(94).3225 in TDT group	Code for the previous port of call of the ship. Code according to un/locode.	To be completed in case Berth request type is Arrival or Transit. UN/LOCODE
	NEXT PORT OF CALL CODED	C			LOC(61).3225 in TDT group	Code for the next port of call of the SHIP. Code according UN/LOCODE - Note: Add code XXXXX for 'Unknown'. -	To be completed in case Berth request type is Departure or Transit. UN/LOCODE



Entity	Data attribute	BER MAN	IMO FAL	SOLA S /ISPS	Mapping	• Definition	• Condition
	PORT OF CALL NEXT TEXT	C			LOC(61).3224 in TDT group	Textual description for the next port of call, including e.g. additional details such as: at anchor, waiting for orders.	May be completed in case Berth request type is Departure or Transit.
	PORT OF ORIGIN CODE	O			LOC(5).3225 in TDT group	Code for the port where the voyage of the ship started.	
	PORT/ORIGIN TEXT	O			LOC(5).3224 in TDT group	Name of the port where the voyage of the ship started.	
	PORT OF DESTINATION CODE	O			LOC(8).3225 in TDT group	Code for the port where the voyage of the ship will end.	UN/LOCODE
	PORT OF FINAL DESTINATION TEXT	O			LOC(8).3224 in TDT group	Name of the port where the voyage of the ship ends.	
	HAZARDOUS GOODS YES/NO	M			FTX(HAZ).DGY 4453 in TDT group	Indication whether ship carries dangerous goods during voyage or not.	
	HAZARDOES CLASS AND CONES	D			FTX(HAZ)4441 in TDT group	Indication that the Cones are carried and for what ADNR class these are applicable	
	DANGEROUS GOODS DATA ON BOARD AVAILABLE INDICATOR	O			FTX(HAZ).DGM in TDT group	Confirmation that a listing of the data or manifest or appropriate bay plan / loading plan giving details of the dangerous or polluting goods carried and	If required for control purposes a computer listing should be sufficient to ensure that the



Entity	Data attribute	BER MAN	IMO FAL	SOLA S /ISPS	Mapping	• Definition	• Condition
						of their location on the ship is on board or has been made available through an electronic means.	information is available.
	CARGO GASED INDICATOR	O			FTX (CGS) 4441	Indication that Cargo has been gassed	
	CARGO DESCRIPTION TEXT	O	C		FTX(AAA).4440 in TDT group	General or brief description of the cargo on board the ship.	If available the HS code should be used
	WASTE REPORTING	O		O	FTX (WAS) 4451 4441 (WEX) is waste reporting exemption	Indicator that waste is on board or that the ship has an exemption on reporting of waste	
	REPORTED DEFECTS TEXT	O			FTX(AFJ).4440 in TDT group	Text describing the relevant defects to the equipment or cargo (e.g. to radars, GPS equipment, gyro or other compass, radio equipment, any defects or damage to the ship or engines,	
	VOYAGE DETAILS TEXT	O	O		FTX(TDT).4440 several lines	Textual remarks regarding any events about the ship or her voyage such as safety aspects e.g. ship was involved in accident, run aground, suffered damage	



Entity	Data attribute	BER MAN	IMO FAL	SOLA S /ISPS	Mapping	• Definition	• Condition
	VOYAGE NUMBER	C			TDT.8028		If this number is available
	SHIP'S STAY REFERENCE	C			RFF(ATZ).1154 in TDT group	A visit number for the Ship's stay in the port, assigned by the Authority (e.g. PA, Customs or PCS)	To be completed in case message is other than Original
	DRAFT DEEPEST	M			MEA(AAE).(DP). (MTR).6311 in TDT group	Depth of the ship in the water measured at the draft mark	
	DRAFT ACTUAL FORWARD	C			MEA(AAE).(AEQ). (MTR).6311 in TDT group		
	DRAUGHT ACTUAL AFT	C			MEA(AAE).(AER). (MTR).6311 in TDT group	Depth of the ship in the water measured at the draft mark of the stern.	
	MANOEUVRING SPEED	O			MEA(ABS).(NMH new code).6314 in TDT group	The manoeuvring speed of the ship at the pilot station location or port area entrance.	
	ETA AT PORT	M	M		DTM(132).2380 in TDT.LOC group	Expected date/time of arrival of the ship at the entry point or the port area of the port of call, expressed in local time.	To be completed in case Berth request type is Arrival



Entity	Data attribute	BER MAN	IMO FAL	SOLA S /ISPS	Mapping	• Definition	• Condition
	ETD FROM PORT	C	C		DTM(133).2380 in TDT.LOC group	Expected date/time of departure of the ship in the port of call (where this notification message is issued), expressed in local time.	To be completed in case Berth request type is Departure.
Berth planning:		C,9			TSR(BPL= Planning) group	Berth that is planned to be visited by the ship during the call in port.	Is not to be completed in case Berth request type is Departure or Transit.
	BERTH CODE	C			LOC(164).3225 in TSR group	Code for the berth for the ship in port of call, at which the SHIP will moor in the port.	Code or text for the berth is to be completed.
	BERTH TEXT	C			LOC(164).3224 in TSR group	Description for the berth for the ship in the port of call, at which the ship will moor in the port, including e.g. additional details such as: jetty number or moorage pile/buoy	Code or text for the berth is to be completed.
Berth request:		C,9			TSR(BER) group		To be completed in case Berth request type is other than Transit.



Entity	Data attribute	BER MAN	IMO FAL	SOLA S /ISPS	Mapping	• Definition	• Condition
	NUMBER/CREW ON BOARD	C	O		QTY(115).6060 in TSR group	Total number of crew on board the ship, including the master.	To be completed in case Berth request type is Arrival or Departure.
	NUMBER/PEOPLE ON BOARD	M	M		QTY(114).6060 in TSR	Total number of people on board the ship, crew, passengers and stowaways included	To be completed in case Berth request type is Arrival or Departure.
	NUMBER OF PASSENGERS ON BOARD	O	C		QTY(115).6060 in TSR group	Total number of passengers on board the ship	To be completed in case of passenger vessels
	NUMBER OF ANIMALS ON BOARD	O			QTY(14).6060 in TSR group	Number of animals kept on board	To be completed in case Berth request type is Arrival or Departure.
	PRIORITY INDICATOR FOR PASSING LOCKS	O			TSR.4219	Indication that priority is requested for passing the locks.	
	-Berth	M,1			LOC(164) group in TSR group	Information on the berth at which the ship will moor in the port of call.	
	BERTH CODE	C			LOC(164).3225 in TSR group	Code for the berth for the ship in the port of call,	Code or text for the berth is to be completed.



Entity	Data attribute	BER MAN	IMO FAL	SOLA S /ISPS	Mapping	• Definition	• Condition
	BERTH TEXT	C			LOC(164).3224 in TSR group	Name of the berth in port of call, at which the ship will moor in the port, including e.g. additional details such as: jetty number or moorage pile/buoy 20-36.	Code or text for the berth is to be completed.
	BERTH MOORING INFO CODE	O			LOC(164).3223 in TSR group	Code for the mooring information for the ship at the berth in port of call. The first 2 characters specify the Mooring side info (such as portside mooring) of the ship, and these may be followed by 2 characters specifying the Berth extension info (such as mooring north to buoy). Format: XX or XX--; where XX is Mooring Side Info and -- is Berth Extension Info.	
	BERTH RANGE TO CODE	O			LOC(164).3233 in TSR group	Code for the up to berth in a range of berths in case the ship occupies a range of berths in the port.	
	ETA AT BERTH	C			DTM (132).2380 in TSR.LOC group	Expected date/time of arrival of the SHIP at the berth in the port of call, expressed in local time.	To be completed in case Berth request type is Arrival.



Entity	Data attribute	BER MAN	IMO FAL	SOLA S /ISPS	Mapping	• Definition	• Condition
	ETD AT BERTH	C			DTM(133).2380 in TSR.LOC group	Expected date/time of departure of the ship from the berth in the port of call, expressed in local time.	To be completed in case Berth request type is Departure or Shift.
	Requested services at Berth:	O, 4			HAN in TSR.LOC group		
	PORT SERVICE REQUESTED CODE	O			HAN.4079 in TSR.LOC group	Code for the service that is requested to be arranged for the arrival/departure/transit of the ship in the port of call or for shifting berths in the port (e.g. Arrange Pilotage, Arrange Linesman, Arrange Tugs, Arrange Disposal of Waste).	
	PORT SERVICE REMARKS TEXT	O			HAN.4078 in TSR.LOC group	Text for the special services that are requested to be arranged for the arrival/departure/transit of the ship in the port of call in the port e.g. number of Linesman, pilots or tugs to be decided in consultation with captain.	
	NUMBER/PILOTS REQUIRED	D			QTY(321).6060 in TSR.LOC group	Including VTS / VTM services	Only to be completed in case Port service is Pilotage.



Entity	Data attribute	BERMAN	IMOFAL	SOLAS / ISPS	Mapping	Definition	Condition
	NUMBER/TUGBOATS REQUIRED	C			QTY(459).6060 in TSR.LOC group		Only to be completed in case port service is tugs
	LINESMAN COMPANY ID and NAD	O			NAD(BOA).3039 and 3124 in TSR.LOC.HAN group	Name of the party responsible for mooring the ship at the berth in the port.	
	PILOT COMPANY ID and NAD	O,2			NAD(PIL).3039 and 3124 in TSR.LOC.HAN group	Name of the party responsible for the Pilotage of the ship in the port area and the harbour approach.	
	TUG COMPANY ID and NAD	O,2			NAD(TOW).3039 and 3124 in TSR.LOC.HAN group	Name of the party responsible for the delivery of tug services to the ship.	
	TYPE OF CALL AT BERTH CODED	O			POC.8025 in TSR.LOC group	Code for the type of action at the berth, (e.g. Cargo operation, Bunkering, Repair, Disposal of waste, bunkering, tank cleaning, de-gassing, changing crew).	



Entity	Data attribute	BER MAN	IMO FAL	SOLA S /ISPS	Mapping	• Definition	• Condition
	TYPE OF CALL AT BERTH TEXT	O			POC.8024 in TSR.LOC group	Description for the type of action at the berth.	
	-Berth to (Next berth)	C,1			LOC(217=Next berth) group in TSR group	Information on the next berth to which the ship will shift in the port of call.	Only to be completed in case Berth request type is Shift.
	BERTH CODE	C			LOC(217).3225 in TSR group	Code for the berth for the ship in port of call, at which the ship will moor in the port.	Code or text for the berth is to be completed.
	BERTH TEXT	O			LOC(217).3224 in TSR group	Description for the berth for the ship in port of call, at which the ship will moor in the port, including e.g. additional details such as: jetty number or moorage pile/buoy.	Code or text for the berth is to be completed.
	BERTH MOORING INFO OF SHIP CODED	O			LOC(164).3223 in TSR group	Code for the mooring information for the ship at the berth in port of call. The first 2 characters specify the Mooring side info (such as portside mooring) of the ship, and these may be followed by 2 characters specifying the Berth extension info (such as mooring north to	



Entity	Data attribute	BER MAN	IMO FAL	SOLA S /ISPS	Mapping	• Definition	• Condition
						buoy). Format: XX or XX--; where XX is Mooring Side Info and -- is Berth Extension Info.	
	BERTH RANGE TO CODE	O			LOC(164).3233 in TSR group	Code for the up to berth in a range of berths in case the ship occupies a range of berths in the port.	
	ETA AT BERTH	O			DTM (132).2380 in TSR.LOC group	Expected date/time of arrival of the ship at the berth in the port of call, expressed in local time.	
	--Port services at Next Berth:	O, 4			HAN in TSR.LOC group		
	PORT SERVICE REQUESTED CODE	D			HAN.4079 in TSR.LOC group	Code for the service that is requested to be arranged for the arrival/departure/transit of the ship in the port of call or for shifting berths in the port (e.g. Arrange Pilotage, Arrange Linesman, Arrange Tugs, Arrange Disposal of Waste).	Only to be used in case services are requested and / or obligatory port services



Entity	Data attribute	BER MAN	IMO FAL	SOLA S /ISPS	Mapping	• Definition	• Condition
	PORT SERVICE REMARKS TEXT	O			HAN.4078 in TSR.LOC group	Text for the special services that are requested to be arranged for the arrival/departure/transit of the ship in the port of call in the port e.g. number of Linesman, pilots or tugs to be decided in consultation with captain.	
	NUMBER/PILOTS REQUIRED	O			QTY(321).6060 in TSR.LOC group		May only be completed in case Port service is Pilotage.
	NUMBER/TUGBOATS REQUIRED	O			QTY(459).6060 in TSR.LOC group		May only be completed in case Port service is tug
	LINESMAN COMPANY ID and NAD	O			NAD(BOA).3039 and 3124 in TSR.LOC.HAN group	Name of the party responsible for the handling of the lines in the port.	
	PILOT COMPANY ID and NAD	O,2			NAD(PIL).3039 and 3124 in TSR.LOC.HAN group	Name of the party responsible for the provision of pilots in the port area and the harbour approach.	
	TUG COMPANY ID and NAD	O,2			NAD(TOW).3039 and 3124 in	Name of the party responsible for the provision of tugs.	



Entity	Data attribute	BER MAN	IMO FAL	SOLA S /ISPS	Mapping	• Definition	• Condition
					TSR.LOC.HAN group		
	TYPE OF CALL AT BERTH CODE	O			POC.8025 in TSR.LOC group	Code for the type of action at the berth, (e.g. Cargo operation, Bunkering, Repair, Disposal of waste, bunkering, tank cleaning, de-gassing, changing crew).	
	TYPE OF CALL AT BERTH TEXT	O			POC.8024 in TSR.LOC group	Description in text for the handling action for the ship at the berth.	
	Transit request:	C,1			TSR group		To be completed in case the request type is Transit.
	SHIP OUTBOUND/INBOUND INDICATOR	C			TSR.7273	Code to indicate whether the ship's voyage through the port area is outbound or inbound without requesting berth in the port area.	Only for ships in transit through the seaport area. Outbound is towards the sea, Inbound is upstream
	NUMBER/CREW ON BOARD	C	C		QTY(115).6060 in TSR group	Total number of crew on board the SHIP, including the master.	



Entity	Data attribute	BER MAN	IMO FAL	SOLA S /ISPS	Mapping	• Definition	• Condition
	NUMBER/PEOPLE ON BOARD	M	M		QTY(114).6060 in TSR	Total number of people on board the SHIP, crew and passengers included, irrespective of their age.	
	REQUESTED PRIORITY FOR PASSING LOCK	O			TSR.4219	Indication of the requested priority for passing the locks.	
	-Activity location:	O,1			LOC(175) group in TSR group		
	ACTIVITY LOCATION CODE	C			LOC(164).3225 in TSR group	Code for the location where a certain activity takes place e.g. the place where pilot will embark./ disembark	Code or text for the activity location is to be completed.
	ACTIVITY LOCATION TEXT	C			LOC(164).3224 in TSR group	Description for the place where a certain activity takes place e.g. where pilot will embark/disembark	Code or text for the activity location is to be completed.
	ETA AT ACTIVITY LOCATION	O			DTM (132).2380 in TSR.LOC group	Expected date/time of arrival of the ship at the berth in the port of call, expressed in local time.	



Entity	Data attribute	BER MAN	IMO FAL	SOLA S /ISPS	Mapping	• Definition	• Condition
	--Port services at Activity location:	M,2			HAN in TSR.LOC group		
	PORT SERVICE REQUESTED CODE	C			HAN.4079 in TSR.LOC group	Code for the service that is requested to be arranged for the arrival/departure/transit of the ship in the port of call or for shifting berths in the port (e.g. Arrange Pilotage, Arrange Linesman, Arrange Tugs, Arrange Disposal of Waste).	
	PORT SERVICE REMARKS TEXT	O			HAN.4078 in TSR.LOC group	Text for the special services that are requested to be arranged for the arrival/departure/transit of the ship in the port of call in the port e.g. number of Linesman, pilots or tugs to be decided in consultation with captain.	
	SHIP NUMBER/PILOTS REQUIRED	C			QTY(321).6060 in TSR.LOC group		May only be completed in case Port service is Pilotage.
	SHIP NUMBER/TUGBOATS REQUIRED	C			QTY(459).6060 in TSR.LOC group		May only be completed in case Port service is Towage.



Entity	Data attribute	BER MAN	IMO FAL	SOLA S /ISPS	Mapping	• Definition	• Condition
	PILOT COMPANY ID and NAD	O			NAD(PIL).3039 and 3124 in TSR.LOC.HAN group	Name of the party responsible for the provision of pilots for the ship in the port area and the harbour approach.	
	TOWAGE COMPANY ID and NAD	O			NAD(TOW).3039 and 3124 in TSR.LOC.HAN group	Name of the party responsible for the provision of tugs in the port.	
Ship security services:		C			TSR(SEC) group		To be completed in case required by ISPS Code (e.g. depending on type of ship, ship is engaged in international voyage and Ship's gross tonnage).



Entity	Data attribute	BER MAN	IMO FAL	SOLA S /ISPS	Mapping	• Definition	• Condition
	ISSC ON BOARD YES/NO	D		M	FTX(SEC new code).4441	Confirmation that a valid (Interim) International ship Security Certificate (ISSC) - as issued under the provisions of part A of the International ship and Port facility Security (ISPS) Code, adopted by the Conference of Contracting Governments on 12 December 2002, in the amendments to the annex to the International Convention of Safety of Life at Sea (SOLAS), 1974 and as may be amended under agreed provisions - is available on board or not.	
	SECURITY LEVEL CURRENT CODE	D		M	FTX(SEC new code).4441	Indication of the security level (as defined in the ISPS Code) at which the ship is currently operating (i.e. at the date/time of this message). Values: 1,2,3.	



Entity	Data attribute	BER MAN	IMO FAL	SOLA S /ISPS	Mapping	• Definition	• Condition
	SECURITY RELATED INFO TEXT	O		O	FTX(SEC new code).4440	Text describing other practical security related information (but not details of the SHIP security plan), taking into account the guidance given in part B of the ISPS Code (e.g. security measures currently in force on the ship).	
	CAPABLE TO EXECUTE ISPS CODE YES/NO	D		-	FTX(SEC).4441	Indication whether or not the Ship's crew is capable of executing the ISPS Code (i.e. maintaining security of the whole ship at all possible security levels according to ISPS Code).	
	SECURITY MEASURES REQUESTED	O		-	FTX(SER).4440	Text describing any special or additional security measures that are requested to be executed by the port facility concerning the SHIP/port interface to be conducted (e.g. access controls, supervision of Ship's stores).	



Entity	Data attribute	BER MAN	IMO FAL	SOLA S /ISPS	Mapping	• Definition	• Condition
	SECURITY PROCEDURES FOLLOWED YES/NO	O		M	FTX(SEH Security history).4441	Indication whether or not appropriate ship security procedures were maintained during the 10 last calls at port facilities including ship to ship operations at sea during a certain time frame).	
	-Previous ports security info	D,10		M		To be completed at least once and to occur maximum 10 times for the last 10 calls at port facilities in previous ports of call of the ship (so, where a ship/port interface was conducted).	
	SECURITY LEVEL AT PREVIOUS PORT FACILITY	D		M	FTX(SEH Security history).4441	Indication of the Security level at which the SHIP operated in a previous port where it has conducted a ship/port interface. Values: 1,2, 3.	
	PORT OF CALL PREVIOUS CODE	D		-	LOC(94).3225 in TSR group	Code for the previous port of call of the ship where the ship/port interface was conducted.	UN/LOCODE



Entity	Data attribute	BER MAN	IMO FAL	SOLA S /ISPS	Mapping	• Definition	• Condition
	D/T ATA-ATD PERIOD PORT/CALL PREVIOUS	O		-	DTM(512).2380(711)	Period between actual date/time of arrival and the actual time of departure of the ship in previous port of call, expressed in local time.	
	SECURITY MEASURES AT PREVIOUS PORT FACILITY TEXT	O		O	FTX(SEH).4440	Text describing any special or additional security measures that were taken by the ship in the previous port where it had conducted a ship/port interface.	