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**Directive 2010/65/EU on Reporting Formalities**

**National Single Window  
Data Mapping Report**

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## Document History

Version	Date	Approval	Description
1.0	15-11-2013	Draft	First draft version submitted by the Data Mapping and Functionalities sub group to 10 <sup>th</sup> meeting eMS
1.1	27-03-2014	Draft	Document submitted to Data Mapping and Functionalities sub group on 9 of April 2014
1.2	14-04-2014	Draft	Revision of the Data Mapping and Functionalities sub group on 9 of April 2014
1.3	30-04-2014	Draft	Document submitted to 11 <sup>th</sup> meeting eMS
1.4	28-05-2014	Draft	Revision done by MS Task Force
1.5	31-07-2014	eMS 12	Revision following comments sent after 12 <sup>th</sup> meeting eMS
1.6	25-02-2015	eMS 14	Insertion of FAL form 2 data elements Corrections to some data elements to align with SSN v3.
1.7	27-07-2017	HLSG 02	Revision to address: - Revised waste business rules v1.02 of 20 September 2016, approved by HLSG DM01 on 12 October 2016, - Technical amendments proposed by the Hazmat Working Group and approved by HLSG 13 on 5 June 2015 (HLSG 13.3.2), - New business rules for reporting of bunkers in SSN v1.0 of 11 May 2016, approved by HLSG 15 on 6-7 July 2016, - Comments received from the SW and SSN HLSG sub-groups.
1.8	04-12-2018	SWG 05	Alignment to revised FAL forms approved by FAL 40.
1.9	17-06-2019	SWG 07	Alignment to revised PAX legislation.

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## Annex 1: Definitions of data elements

This annex provides the definition of the maximum set of data elements which may be required by the National Single Window for the fulfilment of the reporting formalities from parts A and B of the annex to Directive 2010/65/EU and of the notifications required in terms of articles 9 and 24 of Directive 2009/16/EC on Port State Control (as part C data elements).

The first column indicates the changes compared to the previous version of this report (version 1.8). Possible values are:

- ADD: Element was added
- MOVED: Element was moved
- NAME: Element was renamed
- DELETED: Element was deleted
- DEF: Element's definition was modified
- TECH: Element's technical definition was modified (see technical definition in Annex 3)
- BR: Business rule applicable to the element was modified
- OCC: Occurrence applicable to the element was modified
- SSN: A new element to be exchanged via SSN

The cells where changes were applied are coloured in pink.

Changes from report 1.8	Group/ Element Name	Label for user interface (if different from Name)	Definition	Notes
	<b>Ship identification</b>			
	Ship name	Name of ship	Given name of the ship in the ship registry	
	Call sign		Call sign for the ship. Sequence of letters and numbers, unique to each ship by which ships can be identified usually in radio communications.	
	IMO number		Unique ship identification number assigned by Lloyd's Register – Fairplay in accordance with IMO resolution A.600(15).	
	MMSI number		Identifier used by maritime digital selective calling (DSC), automatic identification systems (AIS) and certain other equipment to uniquely identify a ship or a coast radio station.	
	Comment	Any other information related to ship identity	Any other information related to ship identity	
	<b>Ship particulars</b>			
	Flag state of ship		The ISO code for the country subdivision in which the means of transport is registered	
	Certificate of registry - Port		Port where the certificate of registry was issued	

Changes from report 1.8	Group/ Element Name	Label for user interface (if different from Name)	Definition	Notes
	Locode			
	Location name			
	Certificate of registry - Date		Date of issue of certificate of registry	
	Certificate of registry - Number		Number of the certification of registry	
	Inmarsat call number		Number indicating the location of the ship by satellite services of Inmarsat	
	Gross tonnage		The measure of the overall size of a ship determined in accordance with the provisions of the International Convention on Tonnage Measurement of Ships, 1969	
	Net tonnage		The measure of the useful capacity of a ship determined in accordance with the provisions of the International Convention on Tonnage Measurement of Ships, 1969	
	Ship type		Code specifying the type of means of transport.	
	Name of company		Name of ship's operating company, as defined in the ISM code	
	IMO company identification number		IMO company identification number	
	<b>Port call</b>			
	Port of call		When referring to a voyage leg, this is the port at the end of that leg. This is normally the case when this element is used in pre-arrival notifications. When referring to a port stay, this is the port where the ship is. In case when this element is used in departure notifications, this is the port that the ship leaves.	
	ETA port of call	ETA	Estimated time and date of arrival at the port of call	
	ETD port of call	ETD	Estimated time and date of departure from the port of call	
	Port facility	Port Facility of arrival (if known)	Facility as defined in ISPS	Port facility is split in 2 sub-elements: locode and number
	Port facility locode		Five characters LOCODE of the port facility as in the IMO GISIS maritime security database	
	Port facility number		4 digits facility code as in the IMO GISIS maritime security database	
	Name of agent		Name of the organisation representing the ship in the context of the call in the port. This may be the Company or an agent, dependent on circumstances	
	Contact details of agent		Contact details of agent at port of call	
	Phone			
	Fax			
	Email			
	Purpose of call		Primary purpose of the call	
	Brief description of onboard cargo	General description of the cargo aboard the ship	This is a short text giving an overview of what cargo the ship carries. This shall also contain brief details of any harmful substances and gases that could endanger persons or the environment.	
	<b>Pre-arrival 72 hrs notification</b>			

Changes from report 1.8	Group/ Element Name	Label for user interface (if different from Name)	Definition	Notes
	Possible anchorage	Call at anchorage	Whether ship is bound for an anchorage	
	Planned operations		Planned operations at the port of call or anchorage of destination (loading, unloading, other)	
	Planned works	Planned statutory survey inspections and substantial maintenance and repair work to be carried out	Planned statutory survey inspection and substantial maintenance and repair work to be carried out whilst in the port of destination	
	Tanker hull configuration	For tankers: Configuration	Configuration: single hull, single hull with SBT, double hull	
	Volume and nature of cargo	For tankers: Volume and nature of cargo	volume and nature of the cargo on board the tanker	
	Condition of cargo and ballast tanks	For tankers: Condition of cargo and ballast tanks	Condition of the cargo and ballast tanks: full, empty, inerted	
	<b>Arrival</b>			
	ATA port of call	ATA	Actual date and time that ship arrived at port of call or anchorage	
	Anchorage	Call at anchorage	Whether the call is at an anchorage	
	<b>Departure</b>			
	ATD port of call	ATD	Actual date and time that ship departed from port of call or anchorage	
	<b>Voyage</b>			
	Voyage Number		This is a carrier-assigned reference code for a voyage	Inclusion is left to the discretion of each MS
	Next port		When referring to a specific leg of a voyage, the next port is the next port to be visited after the leg's arrival port (i.e. after the port of call). When referring to a port stay, the next port of call is the arrival port for the next leg leading from this port.	
	ETA to next port		Estimated time and date of arrival at the next port	
	Last port		When referring to a leg of a voyage, this is the departure port for that leg. When referring to a port stay, it is the departure port of the leg that led to this port.	
	ETD from last port		Estimated time and date of departure from the from Last port	
	Itinerary of cruise ship		List of ports where the ship is expected to call from the initial departure port to the final arrival port of the cruise, with the corresponding dates and times of expected arrivals.	
	Port			
	Expected date and time of arrival			
	Last calls at port facilities		Last calls at port facilities	
	Port		Port of call	
	Port facility		Port facility identified by its IMO port facility number as in GISIS database	Port facility is split in 2 sub-elements: locode and number

Changes from report 1.8	Group/ Element Name	Label for user interface (if different from Name)	Definition	Notes
	Port facility locode		Five characters LOCODE of the port facility as in the IMO GISIS maritime security database	
	Port facility number		4 digits facility code as in the IMO GISIS maritime security database	
	Date of arrival		Actual date of arrival	
	Date of departure		Actual date of departure	
	Security level		The security level at which the ship operated in the port facility	
	Special or additional security measures		Special or additional security measures taken by the ship during call	
	<b>Dangerous and polluting goods</b>			
	INF ship class		Class of the ship needed for INF cargoes as defined in Regulation VII/14.2 / Code for the license of the vessel ship according to the INF Code	
	Confirm DPG list on board	Do you confirm that a list or manifest or appropriate loading plan giving details of the DPG and their location on the ship is on board?	Confirmation that a list or manifest or appropriate loading plan giving details of the dangerous or polluting goods carried and of their location on the ship is on board. This is a yes/no data element.  To be included in NSW	
	DPG contact details	Contact from which detailed information on the polluting and dangerous cargo may be obtained	Address from which detailed information on the polluting and dangerous cargo may be obtained	
	Given name			
	Family name			
	Location			
	Phone			
	Fax			
	Email			
	<b>Consignment</b>			
	Port of loading		Identity of the port where the cargo was loaded on board the ship	
	Port of discharge		Identity of the port where the cargo will be discharged from the ship	
	Transport document ID	Transport document / Booking / Reference number	Identifies the Transport document, e.g., Bill of Lading, identity code	
	<b>Cargo item</b>			

Changes from report 1.8	Group/ Element Name	Label for user interface (if different from Name)	Definition	Notes
	Number of Packages		This is the number of packages covered by this cargo item in a specific location on board or in a cargo unit.	
	Package type	Kind of packages	This is a description of the outer package of the cargo item	
	Gross quantity		The weight (mass) or volume of the goods contained in a package including the weight (mass) or volume of any packaging material for each cargo item.	
	Value		Gross quantity value	
	Unit		Gross quantity unit	Units aligned to FAL form 7.
	Net quantity		Net mass or volume of the goods excluding respectively their packing, and without the equipment used by the carrier for their transport.	Weight replaced by mass in the definition. Mapping with DPG Notification (Article 13 of Directive 2002/59/EC) added to reflect actual implementation in SSN.
	Value		Net quantity value	Weight replaced by mass in the definition
	Unit		Net quantity unit	Weight replaced by mass in the definition. Units aligned to FAL form 7.
	Stowage position		The position or place where goods are stored on board the vessel. This is used in case of cargo which is not in a container or on a trailer.	
DEF	Transport Unit ID		Identification of the transport equipment: marks and numbers, or freight container Identification code as defined in ISO 6346, or vehicle registration number	Corresponds to marks and numbers in FAL form 2. Definition clarified.
<b>Cargo item - Cargo details</b>				
	Description of goods		Textual description of the goods	
	HS Code		Harmonized Commodity Description and Coding System developed and maintained by the World Customs Organization	Technical definition copied from below and clarified
	Measurement		The physical size of the cargo item, where applicable. This should be omitted, e.g., for bulk cargo.	
<b>Cargo item - DPG details</b>				
	Textual reference		This is the proper shipping name, completed with the technical name where appropriate, for goods under IMDG Code, or the product name for goods under IBC Code and IGC Code, or the bulk cargo shipping name for goods under IMSBC Code, or the name of oil for goods under Annex I to the MARPOL Convention.	
	DG classification		Indication of the classification used (IMDG, IGC, IBC, IMSBC, MARPOL)	
	IMO hazard class		IMO Hazard class as defined in IMDG, IBC and IMSBC codes. It specifies the hazard code for the actual substance. Subsidiary hazard codes may be added where applicable in the "Subsidiary Risks" data items.	
	UN number		United Nations Dangerous Goods Identifier (UNDG), unique serial number assigned within the United Nations to substances and articles contained in a list of the dangerous goods most commonly carried.	
	Packing group		Where applicable: Packing danger group code as appropriate and as defined in IMDG. The packing group for a chemical indicates the degree of hazard associated with its transportation. The highest group is Group I (great danger); Group II is next (medium danger), while Group III	



Changes from report 1.8	Group/ Element Name	Label for user interface (if different from Name)	Definition	Notes
			chemicals present the lowest hazard (minor danger). Packing groups are often shown on MSDS data sheets for chemicals under the heading "Transport Information".	
	Subsidiary risks		Any risks in addition to the class to which dangerous goods are assigned; and which is determined by a requirement to have a subsidiary risk.	
	Flashpoint	Flashpoint (in °C.c.c.)	The temperature in degrees Celsius at which a liquid will give off enough flammable vapour to be ignited.	
	MARPOL pollution code		This code applies to pollution hazards as defined in MARPOL Annex II in case of bulk (e.g. X, Y, Z, OS) and Annex III in case of packaged goods (e.g. P)	
	EmS		Classification of the Procedures for Emergency Preparedness and Response for ships carrying dangerous goods according to the IMO EmS Guide	
	<b>Ship's Stores</b>			
	Name of article		Description of the dutiable store item that the ship carries	
	Quantity		Quantity of the ship's store item: amount and unit	
	Value		Quantity value	
	Unit		Quantity unit	
	Location on board		This is the on board location of the ship's stores item	
	<b>Waste</b>			
	Last port delivered	Last port when ship-generated waste was delivered	Last port where ship-generated waste was delivered	For example if a ship is calling in the port of Hamburg, after travelling from Lisbon to Antwerp, and delivering waste in both ports, then only the waste landed in Antwerp should be reported. The waste delivered in Lisbon would have been reported before entry into Antwerp.
	Last port delivered date	Date when ship-generated waste was delivered	Last date when ship-generated waste was delivered	
	Waste delivery type	Are you delivering all, some or none of your waste?	If ship delivers all, some or none of its waste in the port it reports to	
	Accurate and correct details	Do you confirm that the above details are accurate and correct?	Confirmation that the above details are accurate and correct. This is a yes/no data element.	
	Sufficient onboard capacity	Do you confirm that there is sufficient dedicated onboard capacity?	Confirmation that there is sufficient dedicated onboard capacity. This is a yes/no data element.	
	<b>Waste disposal information</b>			
	Waste type		Type of waste	

Changes from report 1.8	Group/ Element Name	Label for user interface (if different from Name)	Definition	Notes
	Waste type code		Code of waste type	
	Waste type description		Free text description of waste type	
	Amount to be delivered	Waste to be delivered (m3)	Quantity in cubic metres (m3) of waste to be delivered in the port of call. This can be an estimate. For the main waste types, zero ('0') should be used if there is no quantity to be reported.	
	Maximum dedicated storage capacity	Maximum dedicated storage capacity (m3)	Maximum dedicated storage capacity for this type of waste in cubic metres (m3).	Unless changes are made to the way waste is stored on board a ship, these figures should remain constant for every port of call.
	Amount retained on board	Amount of waste retained on board (m3)	Quantity in cubic metres (m3) of waste to be retained on board. For the main waste types, zero ('0') should be used if there is no quantity to be reported.	
	Port of delivery of remaining waste	Port at which remaining waste will be delivered	Name of port where remaining waste will be disposed of. This should be understood as the 'next port of call' as it is the authorities of the next port of call to evaluate if the ship in question may proceed further to another port taking into account the available storage capacity.	
	Estimated amount of waste to be generated	Estimated amount of waste to be generated (m3)	Estimate amount of waste to be generated between port of call and next port of call in cubic metres (m3).	
	Amount of waste delivered at last port of delivery	Amount of waste delivered at last port of delivery (m3)	Actual amount of waste (per type) delivered in the last port of delivery in cubic meters (m3). For the main waste types, zero ('0') should be used if there is no quantity to be reported.	
	<b>Security</b>			
	CSO name		Full name of the Company Security Officer	
	Given name			
	Family name			
	CSO contact details		Company Security Officer's 24 hour contact details: phone, fax, e-mail	
	Phone			
	Fax			
	Email			
	Valid ISSC	Does the ship have a valid ISSC?	Does the ship have a valid International Ship Security Certificate (ISSC)? This is a yes/no data element.	
	Reason for no valid ISSC	If no, why not?	The reasons why the ship has no valid ISSC	
	ISSC			
	ISSC Type		To indicate if the ship is provided with an International Ship Security Certificate or an Interim International Ship Security Certificate	
	ISSC issuer type	Type of ISSC issuing authority	Type of organization (Administration or Recognized Security Organization)	
	ISSC issuer	Name of ISSC issuing authority	Name of the issuing body.	
	ISSC expiry date		Date indicating when the ISSC will be expired	

Changes from report 1.8	Group/ Element Name	Label for user interface (if different from Name)	Definition	Notes
	Approved security plan on board	Does the ship have an approved SSP on board?	This is a yes/no data element. Indicates if the ship has an approved security plan on board	
	Current ship security level	Security level at which the ship is currently operating	Ship's current security level according to the ISPS provisions	
	Ship-to-ship activities	Ship-to-ship activities, in chronological order (most recent first), which were carried out during the last 10 calls at port facilities	Ship-to-ship activities, in chronological order (most recent first), which were carried out during the last 10 calls at port facilities	
	Location		Location as a port, a geographic position and/or a named location	
	Locode			
	Latitude			
	Longitude			
	Location name			
	Date from			
	Date to			
	Activity		Description of ship-to-ship activity performed	
	Security measures	Security measures applied in lieu	Security measures applied in lieu	
	Security related matter to report	Any security-related matter to report	Security related matter to report, if any	
	<b>Number of persons on board</b>			
	Number of persons on board		Total number of persons on board the ship	
	Number of passengers		Total number of passengers on board the ship	
	Number of crew		Total number of crew on board the ship	
	Stowaways	Have any stowaways been found on board?	Have any stowaways been found on board? This is yes/no data element	
	<b>Passengers</b>			
	Number	No.	Number of the passenger in the list	Was missing in previous version of report
SSN	Family name		Family name or surname as in passport or valid ID Document	
SSN	Given name		Given name or first name as in passport or valid ID Document	
	Nationality		The stated or factual country of citizenship shown on the crew's passenger's identification document.	
SSN	Date of birth		Date of birth	

Changes from report 1.8	Group/ Element Name	Label for user interface (if different from Name)	Definition	Notes
SSN	Place of birth		Place of birth, city name or similar	
	Country of birth		Country of birth	
SSN	Gender		Gender of the referenced passenger.	Moved from MDH attachment. Possible values added in technical definition.
	Nature of identity document		The types of documents are muster book, passport or other legal identity card with picture. If none of this is available, other shall be used.	
	Number of identity document		Registration number of the specified document	
	Issuing State of identity document		A code representing the nation issuing the referenced person's presented identity or travel document.	
	Expiry date of identity document		The expiry date shown on the referenced person's identity document.	
	Port of embarkation		Port where the passenger embarked the ship	
	Port of disembarkation		Port where the passenger disembarked the ship	
	Transit	Transit passenger or not	If the passenger is a transit passenger in this port call, i.e., if the passenger enters the ship again before departure. This is a yes/no data element	
	Visa/Residence Permit number		Visa number or Residence Permit number, as applicable	
ADD	Special care or assistance	Information concerning special care or assistance	Description of special care or assistance that the person needs in case of emergency	
ADD	Emergency contact number	Contact number in case of an emergency	Contact number in case of an emergency	
	<b>Crew</b>			
	Number	No.	Number of the crew member in the list	Was missing in previous version of report
SSN	Family name		Family name, name	To be also used to report the name of Master
SSN	Given name		Given name, first name, surname	To be also used to report the name of Master
	Duty of crew	Rank or Rating	Crew duty or rank	Issue of coding: no existing standard.
SSN	Nationality		The stated or factual country of citizenship shown on the crew's identification document.	
SSN	Date of birth		Date of birth	
	Place of birth		Place of birth, city name or similar	
	Country of birth		Country of birth	
SSN	Gender		Gender of the referenced crew member.	Moved from MDH attachment. Possible values added in technical definition.
	Nature of identity document		The types of documents are muster book, passport or other legal identity card with picture. If none of this is available, other shall be used.	
	Number of identity document		Registration number of the specified document	
	Issuing State of identity document		A code representing the nation issuing the referenced person's presented identity or travel document.	

Changes from report 1.8	Group/ Element Name	Label for user interface (if different from Name)	Definition	Notes
	Expiry date of identity document		The expiry date shown on the referenced person's identity document.	
	Visa/Residence Permit number		Visa number or Residence Permit number, as applicable	
ADD	Special care or assistance	Information concerning special care or assistance	Description of special care or assistance that the person needs in case of emergency	
ADD	Emergency contact number	Contact number in case of an emergency	Contact number in case of an emergency	
<b>Crew's Effects</b>				
	Number	No.	Number of the crew member in the list	Was missing in previous version of report
	Crew's effects	Effects ineligible for relief from customs duties and taxes or subject to prohibitions or restrictions	Effects ineligible for relief from customs duties and taxes or subject to prohibitions or restrictions (e.g. wines, spirits, cigarettes, tobacco, etc.).	
<b>Health</b>				
	Valid Sanitation Control Exemption or Control Certificate	Valid Sanitation Control Exemption/Control Certificate carried on board?	Valid Sanitation Control Exemption or Control Certificate carried on board? It is either "No", or "Sanitary Control Exemption" or "Sanitary Control Certificate"	
	Place of issue	Issued at	Location where the Sanitation Control Exemption or Control Certificate was issued.	
	Date of Issue		Date when the Sanitation Control Exemption or Control Certificate was issued.	
	Re-inspection required	Re-inspection required?	Whether re-inspection is required. It is a yes/no data element	
	Visited infected area	Has the ship visited an infected area identified by the World Health Organisation?	Has ship/vessel visited an infected area identified by the World Health Organization? It is a yes/no data element	
	Port of call in infected area		If ship visited an infected area identified by WHO, this is the port of call in that infected area	
	Date of call in infected area		If ship visited an infected area identified by WHO, this is the date of the call in that infected area	
	Any person died	Has any person died on board during the voyage otherwise than as a result of an accident?	Has any person died on board during the voyage otherwise than as a result of accident? This is a yes/no data element	

Changes from report 1.8	Group/ Element Name	Label for user interface (if different from Name)	Definition	Notes
		If YES, state particulars in MDH Attachment.		
	Number of deaths	Total number of deaths	Total number of deaths	
	Disease on board	Is there on board or has there been during the international voyage any case of disease which you suspect to be of an infectious nature?	Is there on board or has there been during the international voyage any case of disease which you suspect to be of an infectious nature? This is a yes/no data element	
	Ill persons greater than expected	Has the total number of ill persons during the voyage been greater than normal / expected?	Has the total number of ill passengers during the voyage been greater than normal/expected? This is a yes/no data element	
	Number of ill persons	How many ill persons?	Number of ill persons during the voyage	
	Ill persons now	Is there any sick person on board now? If YES, state particulars in MDH Attachment.	Is there any ill person on board now? This is a yes/no data element	
	Medical consulted	Was a medical practitioner consulted? If YES, state particulars of medical treatment or advice provided in MDH Attachment.	Was a medical practitioner consulted? This is a yes/no data element	
	Infection condition on board	Are you aware of any condition on board which may lead to infection or the spread of disease?	Are you aware of any condition on board which may lead to infection or spread of disease? This is a yes/no data element	
	Sanitary measure applied	Has any sanitary measure (e.g. quarantine, isolation, disinfection or decontamination)	Has any sanitary measure (e.g. quarantine, isolation, disinfection or decontamination) been applied on board? This is a yes/no data element	

Changes from report 1.8	Group/ Element Name	Label for user interface (if different from Name)	Definition	Notes
		been applied on board?		
	Sanitary measure	Has any sanitary measure (e.g. quarantine, isolation, disinfection or decontamination) been applied on board?	Sanitary measure	
	Type of sanitary measure		Type of sanitary measure	
	Place of sanitary measure		Place of sanitary measure	
	Date of sanitary measure		Date of sanitary measure	
	Location stowaways joined ship	Where did stowaways join the ship (if any and if known)?	Location where the stowaways is assumed to have joined the ship, if any.	
	Sick animal	Is there a sick animal or pet on board?	Is there a sick animal or pet on board? This is yes/no data element	
<b>Health - MDH Attachment</b>				
	Embarkation date	Date joined ship	Date when the person embarked the ship	
	Illness	Nature of Illness	Nature of illness	
	Symptoms date	Date of onset of symptoms	Date of onset of symptoms	
	Reported to port medical	Reported to a port medical officer?	Reported to a port medical officer? This is a yes/no data element	
	State	Whether the person recovered, is still ill or died	Whether the person recovered, is still ill or died	
	Case Disposal	Whether the person is still on board, was evacuated, or was buried at sea	Whether the person is still on board, was evacuated, or was buried at sea	
	Location of evacuation	Name of the port or airport where person was evacuated	Name of the port or airport where person was evacuated	
	Treatment	Drugs, medicines or other treatment given to patient	Drugs, medicines or other treatment given to patient	
	Comments		Comments on the specific case in the MDH attachment	
<b>Bunkers</b>				
	Bunker type		Characteristics of the bunkers carried on board	

Changes from report 1.8	Group/ Element Name	Label for user interface (if different from Name)	Definition	Notes
	Bunker description		Free text description of bunkers	
	Quantity		Estimated quantity of bunkers per type in metric tons	
	Value		Value of quantity	
	Unit		Unit of quantity	
	<b>Remarks</b>			
	General remarks		This is a human-readable general remark to be optionally made by the master should the latter consider it appropriate to do so.	



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## Annex 2: Data mapping

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The table below identifies the data elements from each of the formalities from parts A and B of the annex of Directive 2010/65/EU and the notifications required in terms of Directive 2009/16/EC (as part C data elements).

Each formality is indicated by the number used in the annex of Directive 2010/65/EU. Some elements may be required at arrival or departure only (respectively marked with "A" and "D"). In addition, notifications required by Directive 2009/16/EC on Port State Control (PSC) were added as part C elements. These part C elements may be implemented as reporting formalities under the National Single Window depending on national legislation.

- A1 – Port:** Notification for ships arriving in and departing from ports of the Member States (Article 4 of Directive 2002/59/EC establishing a Community vessel traffic monitoring and information system)
- A2 – Border:** Border checks on persons (Article 7 of Regulation (EC) No 562/2006 - Schengen Borders Code)
- A3 – DPG:** Notification of dangerous or polluting goods carried on board (Article 13 of Directive 2002/59/EC establishing a Community vessel traffic monitoring and information system)
- A4 – Waste:** Notification of waste and residues (Article 6 of Directive 2000/59/EC on port reception facilities for ship-generated waste and cargo residues)
- A5 – Security:** Notification of security information (Article 6 of Regulation (EC) No 725/2004 on enhancing ship and port facility security)
- A6 – PAX:** Information stemming from the amended PAX legislation (Directive (EU) 2017/2109 amending Directive 98/41/EC)
- B1 – FAL1:** FAL form 1: General Declaration
- B2 – FAL2:** FAL form 2: Cargo Declaration
- B3 – FAL3:** FAL form 3: Ship's Stores Declaration
- B4 – FAL4:** FAL form 4: Crew's Effects Declaration
- B5 – FAL5:** FAL form 5: Crew List
- B6 – FAL6:** FAL form 6: Passenger List
- B7 – FAL7:** FAL form 7: Dangerous Goods
- B8 – MDH:** Maritime Declaration of Health
- C1 – PSC Arrival:** Actual arrival notification (article 24 of directive 2009/16/EC)
- C2 – PSC Departure:** Actual departure notification (article 24 of directive 2009/16/EC)
- C3 – PSC 72h pre-arrival:** 72h pre-arrival notification for ships eligible to expanded inspections (article 9 of directive 2009/16/EC on Port State Control)

The column "In all NSW" indicates data elements which are required by EU legal acts (part A of annex of Directive 2010/65/EU) which will therefore be supported by all NSW as reporting formality. Other data elements (parts B and C of annex of Directive 2010/65/EU) are to be implemented in the NSW in accordance with the national legislation of each MS. If supported by the NSW, their implementation should follow the harmonisation defined in this document (name, business and technical definition). In the case of data submission through a system interface, the NSW shall accept the submission of part B data elements which are required by EU legal Acts (Part A of annex of Directive 2010/65/EU) provided by the Ship Data Provider.

The column "Arrival" indicates data elements which are reported before or at arrival of the ship in port.

The column "Departure" indicates data elements which are reported before or at departure of the ship.

The column "Via SSN" indicates data elements which are made available by the National SSN system to other MS through SSN (as required by article 6 of directive 2010/65/EU and other EU legal acts). "O" means that the data element may be made available through SSN optionally (this depends if the data element is supported by the NSW).

The column "PortPlus" indicates data elements which shall be provided to the Central SSN System in the PortPlus message (MS2SSN\_PortPlus\_Not)

The column "On request" indicates data elements which are stored at national level (in the national SSN systems) and provided when requested by the central SSN system (messages SSN2MS\_ShipCall\_Req and MS2SSN\_ShipCall\_Res).

The first column indicates the changes compared to the previous version of this report (version 1.8). The values used in this column are explained in Annex 1. The cells where changes were applied are coloured in pink.

Changes from report 1.8	Group/ Element Name	A1 - Port	A2-Border	A3 - DPG	A4 - Waste	A5 - Security	A6 - PAX	B1 - FAL1	B2 - FAL2	B3 - FAL3	B4 - FAL4	B5 - FAL5	B6 - FAL6	B7 - FAL7	B8 - MDH	C1 - PSC Arrival	C2 - PSC Departure	C2 - PSC 72h pre-arrival	In all NSW	Arrival	Departure	Via SSN	PortPlus	On request
	<b>Ship identification</b>																							
	Ship name	X		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	A	D	X	X	
	Call sign	X		X	X	X	X	X		X	X	X	X	X		X	X	X	X	A	D	X	X	
	IMO number	X		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	A	D	X	X	
	MMSI number	X		X			X									X	X	X	X	A	D	X	X	
	Comment														X					A				
	<b>Ship particulars</b>																							
	Flag state of ship				X	X		X	X	X	X	X	X	X	X				X	A	D	X	X	
	Certificate of registry - Port					X		X											X	A	D	X	X	
	Locode																		X			X	X	
	Location name																		X			X	X	
	Certificate of registry - Date							X												A	D	O	X	
	Certificate of registry - Number							X												A	D	O	X	
	Inmarsat call number					X													X	A		X	X	
	Gross tonnage					X		X							X				X	A	D	X	X	
	Net tonnage							X												A	D			
	Ship type					X		X											X	A	D	X	X	
	Name of company					X													X	A		X	X	
	IMO company identification number					X													X	A		X	X	

Changes from report 1.8	Group/ Element Name	A1 - Port	A2-Border	A3 - DPG	A4 - Waste	A5 - Security	A6 - PAX	B1 - FAL1	B2 - FAL2	B3 - FAL3	B4 - FAL4	B5 - FAL5	B6 - FAL6	B7 - FAL7	B8 - MDH	C1 - PSC Arrival	C2 - PSC Departure	C2 - PSC 72h pre-arrival	In all NSW	Arrival	Departure	Via SSN	PortPlus	On request
	<b>Port call</b>																							
	Port of call	X		A	X	X	X	X		X		X	X		X	X		X	A	D	X	X		
	ETA port of call	X		A	X	X	A	A		A		A	A		X		X	X	A		X	X		
	ETD port of call	X		D	X		D	D		D		D	D				X	X	A	D	X	X		
	Port facility					X												X	A		X	X		
	Port facility locode																	X	A		X	X		
	Port facility number																	X	A		X	X		
	Name of agent					X		X						X				X	A		X	X		
	Contact details of agent					X		X										X	A		X	X		
	Phone																	X	A		X	X		
	Fax																	X	A		X	X		
	Email																	X	A		X	X		
	Purpose of call					X												X	A		X	X		
	Brief description of onboard cargo					X		X										X	A	D	X	X		
	<b>Pre-arrival 72 hrs notification</b>																							
	Possible anchorage																X		A		O	X		
	Planned operations																X		A		O	X		
	Planned works																X		A		O	X		
	Tanker hull configuration																X		A		O	X		
	Volume and nature of cargo																X		A		O	X		
	Condition of cargo and ballast tanks																X		A		O	X		
	<b>Arrival</b>																							
	ATA port of call															X			A	D	X	X		
	Anchorage															X			A		X	X		
	<b>Departure</b>																							
	ATD port of call						D										X			D	X	X		
	<b>Voyage</b>																							
	Voyage Number							X	X	X	X	X	X	X						A	D			
	Next port			D	X		D	D		D					X			X		D	X	X		
	ETA to next port			D			D											X		D	X	X		
	Last port				X		A	A		A		X			X			X	A		X	X		
	ETD from last port						A												A		X	X		
	Itinerary of cruise ship		X															X	A					

Changes from report 1.8	Group/ Element Name	A1 - Port	A2-Border	A3 - DPG	A4 - Waste	A5 - Security	A6 - PAX	B1 - FAL1	B2 - FAL2	B3 - FAL3	B4 - FAL4	B5 - FAL5	B6 - FAL6	B7 - FAL7	B8 - MDH	C1 - PSC Arrival	C2 - PSC Departure	C2 - PSC 72h pre-arrival	In all NSW	Arrival	Departure	Via SSN	PortPlus	On request
	Port		X																X	A				
	Expected date and time of arrival		X																X	A				
	Last calls at port facilities					X									X				X			X		R
	Port					X									X				X	A		X		R
	Port facility					X													X	A		X		R
	Port facility locode					X													X	A		X		R
	Port facility number					X													X	A		X		R
	Date of arrival					X													X	A		X		R
	Date of departure					X									X				X	A		X		R
	Security level					X													X	A		X		R
	Special or additional security measures					X													X	A		X		R
	<b>Dangerous and polluting goods</b>																							
	INF ship class			X															X	A	D	X	X	
	Confirm DPG list on board			X															X	A	D			
	DPG contact details			X															X	A	D	X	X	
	Given name																		X	A	D	X	X	
	Family name																		X	A	D	X	X	
	Location																		X	A	D	X	X	
	Phone																		X	A	D	X	X	
	Fax																		X	A	D	X	X	
	Email																		X	A	D	X	X	
	<b>Consignment</b>																							
	Port of loading								X						X					A	D	O		R
	Port of discharge								X						X					A	D	O		R
	Transport document ID								X						X					A	D	O		R
	<b>Cargo item</b>																							
	Number of Packages								X						X					A	D	O		R
	Package type								X						X					A	D	O		R
	Gross quantity			X					X						X			X	A	D	X	-	R	
	Value			X					X						X			X	A	D	X	-	R	
	Unit			X					X						X			X	A	D	X	-	R	
	Net quantity			X											X				A	D	X	-	R	

Changes from report 1.8	Group/ Element Name	A1 - Port	A2-Border	A3 - DPG	A4 - Waste	A5 - Security	A6 - PAX	B1 - FAL1	B2 - FAL2	B3 - FAL3	B4 - FAL4	B5 - FAL5	B6 - FAL6	B7 - FAL7	B8 - MDH	C1 - PSC Arrival	C2 - PSC Departure	C2 - PSC 72h pre-arrival	In all NSW	Arrival	Departure	Via SSN	PortPlus	On request
	Value			X										X						A	D	X	-	R
	Unit			X										X						A	D	X	-	R
	Stowage position			X										X					X	A	D	X	-	R
	Transport Unit ID			X					X					X					X	A	D	X	-	R
	<b>Cargo item - Cargo details</b>																							
	Description of goods								X										X	A				
	HS Code								X										X	A				
	Measurement								X										X	A				
	<b>Cargo item - DPG details</b>																							
	Textual reference			X										X					X	A	D	X	-	R
	DG classification			X										X					X	A	D	X	X	R
	IMO hazard class			X										X					X	A	D	X	-	R
	UN number			X										X					X	A	D	X	-	R
	Packing group													X						A	D	O		R
	Subsidiary risks													X						A	D	O		R
	Flashpoint													X						A	D	O		R
	MARPOL pollution code													X						A	D	O		R
	EmS													X						A	D	O		R
	<b>Ship's Stores</b>																							
	Name of article									X										A				
	Quantity									X										A				
	Value									X										A				
	Unit									X										A				
	Location on board									X										A				
	<b>Waste</b>																							
	Last port delivered				X														X	A		X	X	
	Last port delivered date				X														X	A		X	X	
	Waste delivery type				X														X	A		X	X	
	Accurate and correct details				X														X	A		-		
	Sufficient onboard capacity				X														X	A		-		
	<b>Waste disposal information</b>																							
	Waste type				X														X	A		X	X	
	Waste type code				X														X	A		X	X	
	Waste type description				X														X	A		X	X	

Changes from report 1.8	Group/ Element Name	A1 - Port	A2-Border	A3 - DPG	A4 - Waste	A5 - Security	A6 - PAX	B1 - FAL1	B2 - FAL2	B3 - FAL3	B4 - FAL4	B5 - FAL5	B6 - FAL6	B7 - FAL7	B8 - MDH	C1 - PSC Arrival	C2 - PSC Departure	C2 - PSC 72h pre-arrival	In all NSW	Arrival	Departure	Via SSN	PortPlus	On request
	Amount to be delivered				X														X	A		X	X	
	Maximum dedicated storage capacity				X														X	A		X	X	
	Amount retained on board				X														X	A		X	X	
	Port of delivery of remaining waste				X														X	A		X	X	
	Estimated amount of waste to be generated				X														X	A		X	X	
	Amount of waste delivered at last port of delivery				X														X	A		X	X	
	<b>Security</b>																							
	CSO name					X													X	A		X		R
	Given name																		X	A		X		R
	Family name																		X	A		X		R
	CSO contact details					X													X	A		X		R
	Phone																		X	A		X		R
	Fax																		X	A		X		R
	Email																		X	A		X		R
	Valid ISSC					X													X	A		X		R
	Reason for no valid ISSC					X													X	A		X		R
	ISSC					X													X	A		X		
	ISSC Type					X													X	A		X		
	ISSC issuer type					X													X	A		X		R
	ISSC issuer					X													X	A		X		R
	ISSC expiry date					X													X	A		X		R
	Approved security plan on board					X													X	A		X		R
	Current ship security level					X													X	A		X	X	
	Ship-to-ship activities					X													X	A		X		R
	Location					X													X	A		X		R
	Locode					X													X	A		X		R
	Latitude					X													X	A		X		R
	Longitude					X													X	A		X		R
	Location name					X													X	A		X		R
	Date from					X													X	A		X		R
	Date to					X													X	A		X		R

Changes from report 1.8	Group/ Element Name	A1 - Port	A2-Border	A3 - DPG	A4 - Waste	A5 - Security	A6 - PAX	B1 - FAL1	B2 - FAL2	B3 - FAL3	B4 - FAL4	B5 - FAL5	B6 - FAL6	B7 - FAL7	B8 - MDH	C1 - PSC Arrival	C2 - PSC Departure	C2 - PSC 72h pre-arrival	In all NSW	Arrival	Departure	Via SSN	PortPlus	On request
	Activity					X													X	A		X		R
	Security measures					X													X	A		X		R
	Security related matter to report					X													X	A		X		R
	<b>Number of persons on board</b>																							
	Number of persons on board	X		X			X			X									X	A	D	X	X	
	Number of passengers							X							X					A	D			
	Number of crew							X							X					A	D			
	Stowaways		X												X				X	A				
	<b>Passengers</b>																							
	Number												X						X	A	D			
SSN	Family name		X				X						X		X				X	A	D	X		X
SSN	Given name		X				X						X						X	A	D	X		X
SSN	Nationality		X				X						X						X	A	D	X		X
SSN	Date of birth		X				X						X						X	A	D	X		X
	Place of birth		X										X						X	A	D			
	Country of birth		X										X						X	A	D			
SSN	Gender						X						X		X				X	A	D	X		X
	Nature of identity document		X										X						X	A	D			
	Number of identity document		X										X						X	A	D			
	Issuing State of identity document												X						X	A	D			
	Expiry date of identity document												X						X	A	D			
	Port of embarkation		X										X		X				X	A	D			
	Port of disembarkation		X										X						X	A	D			
	Transit		X										X						X	A	D			
	Visa/Residence Permit number		X										X						X	A	D			
ADD	Special care or assistance						X												X	A	D	X		X
ADD	Emergency contact number						X													A	D	X		X
	<b>Crew</b>																							
	Number											X							X	A	D			
SSN	Family name		X				X				X	X			X				X	A	D	X		X
SSN	Given name		X				X				X	X			X				X	A	D	X		X
	Duty of crew		X								X	X							X	A	D			

Changes from report 1.8	Group/ Element Name	A1 - Port	A2-Border	A3 - DPG	A4 - Waste	A5 - Security	A6 - PAX	B1 - FAL1	B2 - FAL2	B3 - FAL3	B4 - FAL4	B5 - FAL5	B6 - FAL6	B7 - FAL7	B8 - MDH	C1 - PSC Arrival	C2 - PSC Departure	C2 - PSC 72h pre-arrival	In all NSW	Arrival	Departure	Via SSN	PortPlus	On request
SSN	Nationality		X				X					X							X	A	D	X		X
SSN	Date of birth		X				X					X							X	A	D	X		X
	Place of birth		X									X							X	A	D			
	Country of birth		X									X							X	A	D			
	Gender											X			X				X	A	D			
	Nature of identity document		X									X							X	A	D			
	Number of identity document		X									X							X	A	D			
	Issuing State of identity document											X							X	A	D			
	Expiry date of identity document											X							X	A	D			
	Visa/Residence Permit number		X																X	A	D			
ADD	Special care or assistance						X												X	A	D	X		X
ADD	Emergency contact number						X													A	D	X		X
<b>Crew's Effects</b>																								
	Number										X								X	A	D			
	Crew's effects									X										A				
<b>Health</b>																								
	Valid Sanitation Control Exemption or Control Certificate														X					A				
	Place of issue														X					A				
	Date of Issue														X					A				
	Re-inspection required														X					A				
	Visited infected area														X					A				
	Port of call in infected area														X					A				
	Date of call in infected area														X					A				
	Any person died														X					A				
	Number of deaths														X					A				
	Disease on board														X					A				
	Ill persons greater than expected														X					A				
	Number of ill persons														X					A				
	Ill persons now														X					A				
	Medical consulted														X					A				
	Infection condition on board														X					A				



Changes from report 1.8	Group/ Element Name	A1 - Port	A2-Border	A3 - DPG	A4 - Waste	A5 - Security	A6 - PAX	B1 - FAL1	B2 - FAL2	B3 - FAL3	B4 - FAL4	B5 - FAL5	B6 - FAL6	B7 - FAL7	B8 - MDH	C1 - PSC Arrival	C2 - PSC Departure	C2 - PSC 72h pre-arrival	In all NSW	Arrival	Departure	Via SSN	PortPlus	On request
	Sanitary measure applied														X					A				
	Sanitary measure														X					A				
	Type of sanitary measure														X					A				
	Place of sanitary measure														X					A				
	Date of sanitary measure														X					A				
	Location stowaways joined ship														X					A				
	Sick animal														X					A				
	<b>Health - MDH Attachment</b>																							
	Embarkation date														X					A				
	Illness														X					A				
	Symptoms date														X					A				
	Reported to port medical														X					A				
	State														X					A				
	Case Disposal														X					A				
	Location of evacuation														X					A				
	Treatment														X					A				
	Comments														X					A				
	<b>Bunkers</b>																							
	Bunker type									X										A	D	O		R
	Bunker description									X										A	D	O		R
	Quantity									X										A	D	O		R
	Value									X										A	D	O		R
	Unit									X										A	D	O		R
	<b>Remarks</b>																							
	General remarks							X												A	D			

### Annex 3: Technical definition of data elements and business rules

In addition to information already introduced in annex 1 and 2, the table below provides for each element:

- Its cardinality (column "occ"),
- Its type (Text, Enumerate, Date Time, Date, Decimal, Integer),
- Its length,
- The codification to be used if relevant,
- The business rules applicable to the element.

The first column indicates the changes compared to the previous version of this report (version 1.8). The values used in this column are explained in Annex 1. The cells where changes were applied are coloured in pink.

Changes from report 1.8	Group/ Element Name	Occ	Type	Length	Code (if relevant)	Business rules
	<b>Ship identification</b>	1				
	Ship name	0-1	Text	0-35	Upon SOLAS, chapter I, part B, regulation 15 "Form Certificates", "the particulars inserted in the certificates shall be in Roman characters and Arabic figures". (From "A" to "Z" and from 0 to 9). Additional characters allowed are dots ".", dashes "-" and single apostrophe "'".	
	Call sign	0-1	Text	0-7		
	IMO number	0-1	Text	7	IMO number – IMO Res A.600 (15)	Data cannot be exchanged through SSN if ship does not have an IMO or MMSI number
	MMSI number	0-1	Text	9	Length of the MMSI number must always be 9. Maritime Identification Digits (MID first 3 digits) according to the code allocated to a country (ITU regulation)	Data cannot be exchanged through SSN if ship does not have an IMO or MMSI number
	Comment	0-1	Text	0-256	Possibility to provide information (e.g. registration number) on vessels without IMO or MMSI (e.g. pleasure craft, fishing vessels...)	
	<b>Ship particulars</b>	0-1				Ship particulars may not be required if relevant reference information is already available to the NSW
	Flag state of ship	0-1	Enum	2	The Alpha-2 code (two-digits flag code) in accordance with the standard ISO 3166-1.	If the MMSI is included in the notification and the MID digits included in the reported MMSI refer to a different country from the one reported with the flag attribute, the notification will not be rejected but a warning message will be sent to the data provider.
	Certificate of registry - Port	0-1				May be either locode or location name
	Locode	0-1	Text	5	The port is identified by its 5-digit LOCODE	
	Location name	0-1	Text	0-256		

	Certificate of registry - Date	0-1	Date			
	Certificate of registry - Number	0-1	Text	1-35		
	Inmarsat call number	0-5	Text	1-50		
	Gross tonnage	0-1	Decimal			
	Net tonnage	0-1	Decimal			
	Ship type	0-1	Enum	2-3	codes the ship type according to UNECE R28. The actual codes shall be taken from and constructed according to the above reference. The code is a two- or three-digit number without any inserted space.	
	Name of company	0-1	Text	1-70		
	IMO company identification number	0-1	Text	7		
	<b>Port call</b>	<b>1</b>				
	Port of call	1	Text	5	The "port of call" attribute must only be the LOCODE of the specific port of call or its dependent port's LOCODE	
	ETA port of call	0-1	DT			Required unless ATA is provided. In case time is not reported, use 00:00 (early submissions)
	ETD port of call	0-1	DT			Required unless ATD is provided. In case time is not reported, use 00:00 (early submissions)
	Port facility	0-1				
	Port facility locode	1	Text	5		
	Port facility number	1	Text	4		Generic code "0000" to be used in case port facility is: - not ISPS-approved - recently approved but still not included in the GISIS database
	Name of agent	0-1	Text	1-50		
	Contact details of agent	0-1				
	Phone	0-1	Text	1-20	with an international prefix code	
	Fax	0-1	Text	1-20	with an international prefix code	
	Email	0-1	Text	0-50		
	Purpose of call	0-9	Enum		EDIFACT codes (8025)	
	Brief description of onboard cargo	0-1	Text	1-256	Type of cargo	
	<b>Pre-arrival 72 hrs notification</b>	<b>0-1</b>				
	Possible anchorage	0-1	Enum		Yes/ No status code	
	Planned operations	0-1	Text	0-256		
	Planned works	0-1	Text	0-256		
	Tanker hull configuration	0-1	Enum		Possible values: SHT - indicating a single hull tanker; SHT-SBT - indicating a single hull with segregated ballast tanks (SBT); DHT - indicating a double hull tanker	Should be provided in the case of tankers
	Volume and nature of cargo	0-1	Text	0-256		Should be provided in the case of tankers
	Condition of cargo and ballast tanks	0-1	Text	0-256		Should be provided in the case of tankers

<b>Arrival</b>		0-1				
ATA port of call		1	DT			ATA cannot be older than 1 year from the moment when the notification is received
Anchorage		0-1	Enum		Yes/ No status code	
<b>Departure</b>		0-1				
ATD port of call		1	DT			
<b>Voyage</b>		0-1				
Voyage Number		0-1	Text	0-256		May be used to link notifications provided by the ship data providers. Value provided is under the responsibility of the ship data provider
Next port		0-1	Text	5	The port is identified by its 5-digit LOCODE	Mandatory when ship reports dangerous and polluting goods on departure
ETA to next port		0-1	DT			Mandatory when ship reports dangerous and polluting goods on departure
Last port		0-1	Text	5	The port is identified by its 5-digit LOCODE	Retrieved from "Last calls at port facilities" element if provided
ETD from last port		0-1	DT			
Itinerary of cruise ship		0-n				Mandatory only in the case of cruise ships with passengers on board. The itinerary is not required when a cruise ship does not have passengers on board and is calling in a port for other purposes (repairs, inspections, bunkering etc).
Port		1	Text			
Expected date and time of arrival		1	DT			
Last calls at port facilities		0-n				10 port calls to be provided as required for security. MS may, in compliance with the International Health Regulations, request for additional ports of call, if the ship called additional ports since the commencement of the voyage or within the last thirty days. For additional ports, only Port and Date of departure to be provided.
Port		1	Text	5	The port is identified by its 5-digit LOCODE	
Port facility		0-1	Text			
Port facility locode		1	Text	5		
Port facility number		1	Text	4		Generic code "0000" to be used in case port facility is: - not ISPS-approved - recently approved but still not included in the GISIS database
Date of arrival		0-1	Date			
Date of departure		0-1	Date			
Security level		0-1	Enum		The security levels according to the ISPS code: "SL1", "SL2" and "SL3"	
Special or additional security measures		0-1	Text	0-256		
<b>Dangerous and polluting goods</b>		0-1				To be provided along with Consignment if the ship carries DPG cargo

	INF ship class	0-1	Enum		Code for the license of the vessel according to the INF Code. Possible values: "INF1", "INF2" and "INF3"	This is to be provided only if ship carries class 7 cargo (eMS sub-group meeting of 17/04)
	Confirm DPG list on board	1	Enum		Yes/ No status code	
	DPG contact details	0-1			Cargo Information ContactDetails	
	Given name	0-1	Text	0-50		
	Family name	0-1	Text	0-50		
	Location	0-1	Text	5	LOCODE	
	Phone	1	Text	1-20	with an international prefix code	
	Fax	0-1	Text	1-20	with an international prefix code	
	Email	0-1	Text	0-50		
	<b>Consignment</b>	0-n				
	Port of loading	0-1	Text	5	The port is identified by its 5-digit LOCODE	
	Port of discharge	0-1	Text	5	The port is identified by its 5-digit LOCODE	
	Transport document ID	0-1	Text	1-35		
	<b>Cargo item</b>	0-n				
	Number of Packages	0-1	Int			
	Package type	0-1	Enum	2	Two-letter alphabetic code of annex VI of UNECE R21 EDIFACT codes (7065)	
	Gross quantity	0-1				In case of DPG, mandatory if Net quantity not present
	Value	1	Decimal			
	Unit	1	Enum	3	Values: KGM, L	
	Net quantity	0-1				In case of DPG, mandatory if Gross quantity not present
	Value	1	Decimal			
	Unit	1	Enum	3	Values: KGM, L	
	Stowage position	1	Text	1-25		
	Transport Unit ID	0-1	Text	1-17		
	<b>Cargo item - Cargo details</b>	0-1				To be provided along with group cargo item
	Description of goods	0-1	Text	1-256		
DEF	HS Code	0-1	Text	1-18	At least six-digit Harmonised System nomenclature code	
	Measurement	0-1				
	<b>Cargo item - DPG details</b>	0-1				To be provided along with group cargo item
	Textual reference	1	Text	1-350		
	DG classification	1	Enum		Values: "IMDG", "IGC", "IBC", "MARPOL_ANNEX1", "IMSBC"	
	IMO hazard class	0-1	Text	1-7	As in IMDG, IBC and IMSBC codes	Mandatory if DG classification="IMDG" or "IBC" or "IMSBC"
	UN number	0-1	Text	4		Mandatory if DG classification="IMDG"

	Packing group	0-1	Enum		Code as appropriate and as defined in IMDG: "I", "II" and "III"	
	Subsidiary risks	0-5	Text	1-17		May be applicable for some IMDG, IGC and IMSBC goods. Not applicable for IBC and MARPOL Annex I goods. Possible values refer to IMDG and IMO Hazard Class. More than one value is possible.
	Flashpoint	0-1	Decimal		To be provided in degrees Celsius	
	MARPOL pollution code	0-1	Enum		The code values are "'X", "Y", "Z", "OS" and "P"	
	EmS	0-5	Text	1-50	Possible values: S-A to S-Z for spillage and F-A to F-Z for fire	May be applicable for some IMDG, IGC and IMSB goods. Not applicable for IBC and MARPOL Annex I goods.
	<b>Ship's Stores</b>	0-n				
	Name of article	0-1	Text	1-35		
	Quantity	0-1				
	Value	1	Decimal			
	Unit	1	Enum			
	Location on board	0-1	Text			
	<b>Waste</b>	0-1				
	Last port delivered	0-1	Text	5	The port is identified by its 5-digit LOCODE	
	Last port delivered date	0-1	Date			
	Waste delivery type	1	Enum		Possible values: "All", "Some" or "None"	
	Accurate and correct details	1	Enum		Yes/ No status code	
	Sufficient onboard capacity	1	Enum		Yes/ No status code	
	<b>Waste disposal information</b>	0-n				To be provided along with group Waste
	Waste type	1	Enum			
	Waste type code	1	Enum		Code as defined in Waste Business Rules	
	Waste type description	0-1	Text	1-256		To be provided depending on Waste type code value
	Amount to be delivered	1	Decimal		To be provided in cubic meters.	
	Maximum dedicated storage capacity	0-1	Decimal		To be provided in cubic meters.	Has to be provided if delivering some or no waste (refer to element Waste delivery type)
	Amount retained on board	0-1	Decimal		To be provided in cubic meters.	Has to be provided if delivering some or no waste (refer to element Waste delivery type)
	Port of delivery of remaining waste	0-1	Text	5	The port is identified by its 5-digit LOCODE	Has to be provided if delivering some or no waste (refer to element Waste delivery type)
	Estimated amount of waste to be generated	0-1	Decimal		To be provided in cubic meters.	Has to be provided if delivering some or no waste (refer to element Waste delivery type)
	Amount of waste delivered at last port of delivery	1	Decimal		To be provided in cubic meters.	
	<b>Security</b>	0-1				
	CSO name	1				
	Given name	0-1	Text	0-50		
	Family name	1	Text	0-50		

	CSO contact details	1				At least one of "Phone", "Fax" or "Email" must be provided
	Phone	0-1	Text	1-20	with an international prefix code	
	Fax	0-1	Text	1-20	with an international prefix code	
	Email	0-1	Text	0-50		
	Valid ISSC	1	Enum		Yes/ No status code	
	Reason for no valid ISSC	0-1	Text	1-256		To be provided if "Valid ISSC" is "No"
	ISSC	0-1				
	ISSC Type	1	Enum		Possible values: "Full" or "Interim"	
	ISSC issuer type	0-1	Enum		Possible values: "GVT" or "RSO"	
	ISSC issuer	1	Text	1-256		
	ISSC expiry date	1	Date			
	Approved security plan on board	1	Enum		Yes/ No status code	
	Current ship security level	1	Enum		The security levels according to the ISPS code: "SL1", "SL2" and "SL3"	
	Ship-to-ship activities	0-n				
	Location	1				May be either locode, latitude and longitude, or location name
	Locode	0-1	Text	5	LOCODE	
	Latitude	0-1	Decimal		minInclusive value="-90" and maxInclusive value="90"	Latitude and Longitude are required if a Locode is not available as when there are ship to ship activities at sea.
	Longitude	0-1	Decimal		minInclusive value="-180" and maxInclusive value="180"	Latitude and Longitude are required if a Locode is not available as when there are ship to ship activities at sea.
	Location name	0-1	Text	0-256		Location name is required if a Locode is not available.
	Date from	1	Date			
	Date to	1	Date			
	Activity	1	Enum		EDIFACT codes (8025)	
	Security measures	0-1	Text	0-256		
	Security related matter to report	0-1	Text	0-256		
	<b>Number of persons on board</b>	0-1				
	Number of persons on board	1	Int		The value 0 (Zero) is not allowed. Note that the type "INT" prohibits the use of dots and commas	
	Number of passengers	0-1	Int			No to be reported if passenger list is reported
	Number of crew	0-1	Int			No to be reported if crew list is reported
	Stowaways	1	Enum		Yes/ No status code	
	<b>Passengers</b>	0-n				
	Number	1	Int			
SSN	Family name	1	Text	70		
SSN	Given name	1	Text	70		

SSN	Nationality	1	Enum		The Alpha-2 code (two-digits flag code) in accordance with the standard ISO 3166-1.
SSN	Date of birth	1	Date		
	Place of birth	1	Text	35	
	Country of birth	1	Enum	35	The Alpha-2 code (two-digits flag code) in accordance with the standard ISO 3166-1.
SSN	Gender	1	Enum		The four codes specified in ISO/IEC 5218: 0 = not known, 1 = male, 2 = female, 9 = not applicable.
	Nature of identity document	1	Enum		Possible values: "MusterBook", "Passport", "ResidentialPermit", "PictureId", "Other"
	Number of identity document	1	Text	35	
	Issuing State of identity document	1	Enum		The Alpha-2 code (two-digits flag code) in accordance with the standard ISO 3166-1.
	Expiry date of identity document	1	Date		
	Port of embarkation	1	Text	5	The port is identified by its 5-digit LOCODE
	Port of disembarkation	1	Text	5	The port is identified by its 5-digit LOCODE
	Transit	1	Enum		Yes/ No status code
	Visa/Residence Permit number	0-1	Text	35	
ADD	Special care or assistance	0-1	Text	256	
ADD	Emergency contact number	0-1	Text	256	
	<b>Crew</b>	0-n			
	Number	1	Int		
	Family name	1	Text	70	
	Given name	1	Text	70	
	Duty of crew	1	Enum	??	?? Issue of coding: no standard list
	Nationality	1	Enum		The Alpha-2 code (two-digits flag code) in accordance with the standard ISO 3166-1.
	Date of birth	1	Date		
	Place of birth	1	Text	35	
	Country of birth	1	Enum	35	The Alpha-2 code (two-digits flag code) in accordance with the standard ISO 3166-1.
	Gender	1	Enum		The four codes specified in ISO/IEC 5218: 0 = not known, 1 = male, 2 = female, 9 = not applicable.
	Nature of identity document	1	Enum		Possible values: "MusterBook", "Passport", "ResidentialPermit", "PictureId", "Other"
	Number of identity document	1	Text	35	
	Issuing State of identity document	1	Enum		The Alpha-2 code (two-digits flag code) in accordance with the standard ISO 3166-1.
	Expiry date of identity document	1	Date		
	Visa/Residence Permit number	0-1	Text	35	
ADD	Special care or assistance	0-1	Text	256	
ADD	Emergency contact number	0-1	Text	256	



<b>Crew's Effects</b>						
Number	0-1	Int				
Crew's effects	0-1	Text	1-512			Linked to Crew list using reference number generated automatically by the NSW system.
<b>Health</b>						
Valid Sanitation Control Exemption or Control Certificate	0-1	Enum			Yes/ No status code	
Place of issue	0-1	Text				To be used if "Valid Sanitation Control Exemption or Control Certificate" is Yes
Date of Issue	0-1	Date				To be used if "Valid Sanitation Control Exemption or Control Certificate" is Yes
Re-inspection required	0-1	Enum			Yes/ No status code	
Visited infected area	0-1	Enum			Yes/ No status code	
Port of call in infected area	0-1	Text	5		If No to previous question, provide details The port is identified by its 5-digit LOCODE	To be used if "Visited infected are" is Yes
Date of call in infected area	0-1	Date				To be used if "Visited infected are" is Yes
Any person died	0-1	Enum			Yes/ No status code	
Number of deaths	0-1	Int			If Yes to previous question, provide number	To be used if "Any person died" is Yes
Disease on board	0-1	Enum			Yes/ No status code	
Ill persons greater than expected	0-1	Enum			Yes/ No status code	
Number of ill persons	0-1	Int				To be used if "Ill persons greater than expected" is Yes
Ill persons now	0-1	Int				
Medical consulted	0-1	Enum			Yes/ No status code	
Infection condition on board	0-1	Enum			Yes/ No status code	
Sanitary measure applied	0-1	Enum			Yes/ No status code	
Sanitary measure	0-n					
Type of sanitary measure	0-1	Text				To be used if "Sanitary measure" is Yes
Place of sanitary measure	0-1	Text				To be used if "Sanitary measure" is Yes
Date of sanitary measure	0-1	Date				To be used if "Sanitary measure" is Yes
Location stowaways joined ship	0-1	Text				To be used if "Stowaways" in group "Persons of board" is Yes
Sick animal	0-1	Enum			Yes/ No status code	
<b>Health - MDH Attachment</b>						
Embarkation date	0-1	Date				
Illness	0-1	Text				
Symptoms date	0-1	Date				
Reported to port medical	0-1	Text				
State	0-1	Text				
Case Disposal	0-1	Text				
Location of evacuation	0-1	Text				

	Treatment	0-1	Text		
	Comments	0-1	Text		
	<b>Bunkers</b>	0-n			
	Bunker type	0-1	Enum	MGO (marine gas oil), MDO (marine diesel oil), IFO (intermediate fuel oil), MFO (marine fuel oil), HFO (heavy fuel oil), LPG (liquefied petroleum gas), LNG (liquefied natural gas), LO (lubrication oil), Other (other types of bunker)	
	Bunker description	0-1	Text		Must be provided if Bunker type = "Other"
	Quantity	0-1			
	Value	1	Decimal		
	Unit	1	Enum	Values: TNE, M3	
	<b>Remarks</b>	0-1			
	General remarks	0-1	Text		

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## Annex 4: Reference to message standards

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This annex provides the mapping of data elements with message standards:

- Corresponding element or attribute from the SSN XML Messaging Reference Guide,
- Corresponding element from ISO 28005 standards,
- Corresponding elements from UN/EDIFACT messages as defined in the IMO FAL Compendium on facilitation and electronic business: CUSREP, CUSCAR, INVRPT, PAXLST, IFTDGN and BERMAN.

Please refer to the Excel file attached.