

# **EMCIP**

## **Glossary of reporting attributes**

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Version	Date	Changes	Prepared	Approved
1.0	01/01/2016	---	Ignatios N. Nikolaou	
1.1	04/05/2016	Added id, value type and description for all attributes	Ignatios N. Nikolaou	

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*European Marine Casualty Investigation Platform (EMCIP) – taxonomy version 10.2.0.4*

*Data Definition Standard, Edition Nov. 2015 (v.0.1)*

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## 1. Foreword

The European Marine Casualty Information Platform (EMCIP) was established based on the provisions of article 17 of the European Directive 2009/18/EC, to serve the Member States and the Commission as an electronic database to store and provide data for analysis and interface amongst them. Thus, EMCIP can be accessed by the Commission and EMSA as well as the entitled by the Member States' investigative bodies and entitled authorities.

## 2. Data and taxonomy

EU and EFTA Member States have an obligation to store all data on marine casualties and incidents in EMCIP. To achieve this, a number of specific information has to be inserted in the platform. The occurrences inserted are categorized in two main groups according to the occurrence type: notifications and investigations.

The minimum data stored on EMCIP per occurrence, provide the requested information according to the mandatory notification data requested in Annex II of the Directive and the definitions provided by Resolution MSC.255 (84) of the IMO and MSC-MEPC.3 Circular 3, as amended. Moreover, a complementary taxonomy of data has been created by EMSA to facilitate the depictionary layout and analytical ergonomics of each occurrence inserted in the platform. The taxonomy comprises a series of values that provide a certain standard of details available for use and analysis, in terms of safety investigations and safety reports or case studies, based on the input of the investigative bodies or other entitled authorities of the Member States involved in the reporting of marine casualties.

In order to better understand this taxonomy, the present document compiles the different values that can be used to describe an occurrence. Main available categories can be found in **Annex I** and the main values within each category in **Annex II**.

The types of data inserted vary from manually inserted to selectable ones from a predefined list. However such lists may sometimes be quite extensive, especially for specific values such as states and ports, without offering any added value in technical terms, thus they were not included in the present document. A relative reference is however made under those specific attributes.

Attributes in Annex II that have to be manually inserted by the user don't have any predefined values, they are then included in the document without a list of value subcategories.

However, the absence of subcategories of values is not a sufficient condition to determine whether an attribute is manual insertion; some attributes that have no subcategories may be selected from a predefined list, with simple possible values (e.g. Yes, No, N/A or Unknown). The values of such attributes are omitted in Annex II. Moreover, some attributes may take values from a predefined list that is common among more than one attributes. Such lists are not repeated, but a relative reference for the list of values is made.

It is to be noted that the way the information was arranged in the document is based on a "grouped by subject" approach, similarly to the Annex I of the Directive 2009/18/EC. In some cases, it doesn't reflect the existing layout in EMCIP environment.

Finally, the attributes related to the administrative module and the metadata (workflow, users, etc.) are not included in this document, as they are not related to the accident investigation purposes.

## Appendix A List of Annexes

Annex 1	Categories of EMCIP Taxonomy
Annex 2	Values of each category of data

## ANNEX I – Categories of EMCIP Taxonomy

A. GENERIC INFORMATION	
1	<a href="#">Occurrence basic data</a>
2	<a href="#">Casualty data of occurrence</a>
3	<a href="#">External environmental data</a>

B. FACTUAL INFORMATION	
1	<a href="#">Ship particulars</a>
2	<a href="#">Recreational craft particulars</a>
3	<a href="#">Voyage particulars</a>
4	<a href="#">Ship casualty data</a>
5	<a href="#">Consequences</a>
	5.1 <a href="#">Loss/damage to ship</a>
	5.2 <a href="#">Marine pollution</a>
	5.3 <a href="#">Consequences on people</a>
	5.4 <a href="#">Third party consequences</a>
	5.5 <a href="#">Air pollution</a>
6	<a href="#">Total injuries and fatalities</a>
7	<a href="#">Environmental impact data</a>

C. ADDITIONAL INFO	
1	<a href="#">SAR and GMDSS information</a>
2	<a href="#">Fire casualty record</a>
3	<a href="#">Intact stability</a>
4	<a href="#">Damage card</a>
5	<a href="#">Other</a>

D. CASUALTY ANALYSIS	
1	<a href="#">Casualty events</a>
2	<a href="#">Accidental events</a>
	2.1 <a href="#">Environmental effect</a>
	2.2 <a href="#">Equipment failure</a>
	2.3 <a href="#">Hazardous material</a>
	2.4 <a href="#">Human erroneous action</a>
	2.5 <a href="#">Other agent or vessel</a>
	2.6 <a href="#">Unknown</a>
3	<a href="#">Contributing factors</a>
4	<a href="#">Early alert</a>
5	<a href="#">Safety recommendations data</a>
6	<a href="#">Action taken</a>
7	<a href="#">Consultation with interested parties</a>
	7.1 <a href="#">Consultation with Other Interested States</a>
	7.2 <a href="#">Consultation with Other Interested Parties</a>

## ANNEX II – Values of each category of data

### A. GENERIC INFORMATION

#### A.1 – Occurrence basic data

Id	Occurrence basic data	Value type	Description
1	Assistance from Member States or other States	Value list	Member States that provide human resources or technical assistance to the lead investigating State.
2	State(s) cooperating with the lead investigating state <sup>1</sup>	Value list	Countries that cooperated actively with the lead investigating state.
3	Delegation of the investigation	Value list	State to which the investigation task was delegated. Even though the Member States that delegate have to assure that the investigation is carried out properly, on time and reported.
4	The end of the investigation	Manual	Date of the investigation report, in the absence of a published report is the date established by the national competent authority stating the end of the investigation.
5	Relevant external resources used in the investigation	Manual	Brief description of the external resources used in the casualty investigation.
6	Number of people involved in the investigation	Manual	Number of investigators and experts directly involved in the investigation.
7	Occurrence national number	Manual	Occurrence national number is the alphanumeric identification assigned to the occurrence by a national competent authority
4257	Under the scope of the Directive 2009/18/EC	Value list	The scope of the Directive 2009/18/EC is stipulated in article 2. It applies to marine casualties and incidents that: (a) involve ships flying the flag of one of the Member States; (b) occur within Member States' territorial sea and internal waters as defined in UNCLOS; or (c) involve other substantial interests of the Member States. It does not apply to marine casualties and incidents involving only: (a) ships of war and troop ships and other ships owned or operated by a Member State and used only on government non-commercial service;

<sup>1,2,3</sup> Values for this attribute comprise a full list of countries of the world

			(b) ships not propelled by mechanical means, wooden ships of primitive build, pleasure yachts and pleasure craft not engaged in trade, unless they are or will be crewed and carrying more than 12 passengers for commercial purposes; (c) inland waterway vessels operating in inland waterways; (d) fishing vessels with a length of less than 15 metres; (e) fixed offshore drilling units.
4259	Delegated to	Manual	Username(s) of the delegated person(s) who can edit and input data to the occurrence. Delegated user(s) cannot submit or transfer occurrences. To set delegations, use 'Add-ins> Workflow> Delegate.
8	The start of the investigation	Manual	It is the starting date of the accident investigation. It can be when the investigator or a team of investigators are nominated or the date of other relevant initiating event of the investigative process.
9	Type of assistance	Manual	Brief description of the type of assistance received.
343	Air pollution	Value list	Answer to the question if there was atmospheric pollution as a consequence of the casualty or accident. N/A will be the case of a marine incident.
345	Coastal state affected <sup>1</sup>	Value list	Coastal state affected means a State: a) which is the coastal State involved in a marine casualty or incident; or b) whose environment was severely or significantly damaged by a marine casualty (including the environment of its waters and territories recognized under international law); or c) where the consequences of a marine casualty or marine incident caused, or threatened, serious harm to that State or to artificial islands, installations, or structures over which it is entitled to exercise jurisdiction.
347	Date of the notification to a national authority	Manual	It is the date when a national competent authority involved in the investigation process is informed or becomes aware of an occurrence by a notification entity.
4249	Report Date	Manual	Date in which the final report (full or simplified) was made available to the public and especially to the maritime sector.
4250	Report Type <b>Simplified report</b> <b>Final report</b>	Value list	Full Report: published final report, different than a Simplified Report, presented in a format defined by the competent investigative body and in accordance with the relevant sections of Annex I of Directive 2009/18/EC -- Simplified Report:



			Investigative bodies may decide that a safety investigation which does not concern a very serious or, as the case may be, a serious marine casualty and the findings of which do not have the potential to lead to the prevention of future casualties and incidents shall result in a simplified report to be published.
4251	Interim Report	Manual	If it is not possible to produce the final report within 12 months of the date of the casualty, an interim report shall be published within the same period.
4252	Interim Report Date	Manual	Date in which the interim report was made available to the public.
4253	Investigation Status <b>Not Applicable</b> <b>To be started</b> <b>Ongoing</b> <b>Finished</b>	Value list	It indicates the current situation of the investigation process. The value "Not applicable" is used only for notifications.
348	Date Report Created	Manual	Date given by the system when a document or a report is attached for the first time to the occurrence
349	Date Report Last Modification	Manual	Date given by the system of the latest modification of the occurrence
352	Investigating state <sup>1</sup>	Value list	Investigating state is the State of the investigative body leading the marine safety investigation.
353	Is EU Investigation state	Value list	Occurrence- Is EU Investigation state
355	State Reporting <sup>2</sup>	Value list	Name of the Member State given automatically by the system taking into account the repository of the investigator in charge.
356	MS role <b>MS role: EU lead investigating state (EU lead investigating state)</b> <b>MS role: Lead investigating state (Lead investigating state)</b> <b>MS role: Reporter (Reporter)</b> <b>n.a. (n.a.)</b>	Value list	The role of the Member State that conducts or reports the safety investigation.
357	National competent authority <sup>3</sup>	Value list	Name of the National competent authority given automatically by the system taking into account the repository of the investigator in charge.

<sup>2</sup> Values for this attribute comprise a full list of countries of EU and EFTA

<sup>3</sup> Values for this attribute comprise a full list of competent authorities of EU and EFTA MS

359	Nature of the occurrence <b>Casualty with a ship</b> <b>Occupational accident</b>	Value list	Classification of the marine casualty according to the nature of the events: casualty with a ship (casualty event) and occupational accident (accident to a person) not as a consequence of a casualty involving a ship or its emergency response
360	Notification entity <b>Ship - Any crewmember on board within his competences</b> <b>Company - Company or owner</b> <b>Classification Society</b> <b>Shore authority</b> <b>Public - Direct or indirect information</b> <b>Other</b>	Value list	Notification entity is the entity code group responsible for the communication of the occurrence to a national competent authority involved in the investigation process.
361	Casualty Report Number	Manual	A sequential number per year given by the system when the user saves a new occurrence for the first time.
362	Number of ships involved	Manual	Number of ships involved in a marine casualty
369	Search and Rescue (SAR) intervention	Value list	Answer to the question if there was the intervention of the Search and Rescue unit (SAR).
370	Other substantially interested States	Value list	Other substantially interested states means a State which is not the flag State of the ships involved in a marine casualty or incident and also not including in the coastal States affected, but the states: a) where, as a result of a marine casualty, nationals of that State lost their lives or received serious injuries; or b) that has important information at its disposal that the marine safety investigating State(s) consider useful to the investigation; or c) that for some other reason establishes an interest that is considered significant by the marine safety investigating State(s).
371	Third party/other damage	Value list	Answer to the question if there was material damage or personal injury/death caused outside of the ship as a consequence of the casualty or accident.
373	Time of the notification to a national authority (hh:mm)	Manual	It is the time when a national competent authority involved in the investigation process is informed or becomes aware of an occurrence by a notification entity.
374	Title of the occurrence	Manual	Comprehensive sentence referring to the occurrence – marine casualty, in general, it could be the investigation report title.

376	User (Us)	Manual	Occurrence- User (Us)
516	Lock status	Value list	Occurrence- Lock status
517	Locked/released by	Manual	Occurrence- Locked/released by
518	Locked/released since	Manual	Locked/released since
519	Date entered	Manual	Date given by the system when an occurrence is saved for the first time.
526	Interested authorities (List is same as National Authorities)	Value list	Interested authorities is a national competent authority for accident investigation of a Member State (coastal or flag or others) cooperating actively in the safety investigation determined by the reporting state/authority.
531	Occurrence Type Investigation Notification	Value list	It is the type of the report, notification or investigation. A report initiates always with a notification.
532	Occurrence Status Report Status: Draft (Draft) Report Status: Proposed (Proposed) Report Status: Accepted (Accepted) Report Status: To be reviewed (To be reviewed) Report Status: Withdrawn (Withdrawn) Report Status: ToReOpen (ToReOpen) Report Status: Reopened (Reopened) Report Status: RejReopen (RejReopen) Report Status: ToDelete (ToDelete) Report Status: Deleted (Deleted) Report Status: RejDelete (RejDelete) Report Status: AcceptPostponed (AcceptPostponed) Report Status: AnticipatedDraft (AnticipatedDraft) Report Status: ProposedAnticipated (ProposedAnticipated) Report Status: TobeRevAnticipated (TobeRevAnticipated) Report Status: WithdrawnAnticipated (WithdrawnAnticipated)	Value list	Attribute which represents the situation of the current notification or investigation based on the messages launch by EMSA and Member States and taking into account the workflow.

	<b>Evaluating (Evaluating)</b>		
543	Last Message	Value list	Last message
544	Investigator in Charge	Manual	Username of the person that is responsible for the submission and transfer of the occurrence, and for the delegation to other users.
594	Created By Organisation	Manual	Created By Organisation
595	Owned By Organisation	Manual	Owned By Organisation
596	Delegated to Users	Manual	Delegated to Users
597	Operation type <b>Occurrence creation (Occurrence creation)</b> <b>Change owner organisation (Change owner organisation)</b> <b>Change owner user (Change owner user)</b> <b>Workflow operation (Workflow operation)</b>	Value list	Operation type
598	Owned By Organisation	Manual	Owned By Organisation
599	Investigator in charge	Manual	Investigator in charge
4201	Other Attachments	Manual	
4202	Reasons for not undertaking a safety investigation	Manual	
4209	Port of accident <sup>1</sup>	Value list	
4233	Final Report	Manual	Safety investigations carried out under Directive 2009/18 shall result in a published report.
4248	Publish report	Value list	

<sup>1</sup> Values for this attribute comprise a full list of ports around the world

**A.2 – Casualty data of occurrence**

Id	Casualty Data - Occurrence	Value type	Description
38	Angle of encounter	Manual	Angle of encounter of two ships in a collision.
341	Language <sup>1</sup>	Value list	Language in English.
342	Description	Manual	Brief description of the occurrence/casualty. It is a short narrative of the occurrence also called summary or synopsis.
346	Date of the casualty	Manual	Date of the casualty is the local date when the occurrence happened. If it is not known it should be the same date of the notification to the competent authorities or any other date considered appropriated. If the ship is missing could be the last date that the ship communicated or was monitored, or any other date considered appropriated
350	<p>EMCIP Keywords</p> <p><b>Boiler and feed water system/steam generation (Boiler and feed water system/steam generation)</b></p> <ul style="list-style-type: none"> <li><b>Air ejector (Air ejector)</b></li> <li><b>Air heaters (Air heaters)</b></li> <li><b>Attemperators (Attemperators)</b></li> <li><b>Auxiliary condenser (Auxiliary condenser)</b></li> <li><b>Bearings (Bearings)</b></li> <li><b>Boiler drum (Boiler drum)</b></li> <li><b>Boiler mountings (Boiler mountings)</b> <ul style="list-style-type: none"> <li><b>Air release cock (Air release cock)</b></li> <li><b>Automatic feed water regulator (Automatic feed water regulator)</b></li> <li><b>Auxiliary steam stop valve (Auxiliary steam stop valve)</b></li> <li><b>Blow down valve (Blow down valve)</b></li> <li><b>Feed check or control valve (Feed check or control valve)</b></li> <li><b>Low level alarm (Low level alarm)</b></li> </ul> </li> </ul>	Value list	A list of words used to emphasize relevant features of the accident.

<sup>1</sup> Values for this attribute comprise a full list of languages of the world

<p> <b>Main steam stop valves (Main steam stop valves)</b>  <b>Pressure gauge connection (Pressure gauge connection)</b>  <b>Remote water-level indicator (Remote water-level indicator)</b>  <b>Safety valves (Safety valves)</b>  <b>Sampling connection (Sampling connection)</b>  <b>Scum valve (Scum valve)</b>  <b>Soot blowers (Soot blowers)</b>  <b>Superheater circulating valves (Superheater circulating valves)</b>  <b>Water level gauge (Water level gauge)</b>  <b>Whistle stop valve (Whistle stop valve)</b> </p> <p> <b>Condenser (Condenser)</b>  <b>Couplings (Couplings)</b>  <b>Desuperheater (Desuperheater)</b>  <b>Economiser (Economiser)</b>  <b>Evaporators (Evaporators)</b>  <b>Extraction pump (Extraction pump)</b>  <b>Feed pumps (Feed pumps)</b>  <b>Feed water (Feed water)</b>  <b>Feed water treatment (Feed water treatment)</b>  <b>Furnace explosion (Furnace explosion)</b>  <b>Glands (Glands)</b>  <b>Hydrogen fire (Hydrogen fire)</b>  <b>Raising steam (Raising steam)</b>  <b>Recirculating valve (Recirculating valve)</b>  <b>Rotary air pumps (Rotary air pumps)</b>  <b>Soot fire (Soot fire)</b>  <b>Superheater (Superheater)</b> </p>		
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	<p><b>Thrust bearings (Thrust bearings)</b></p> <p><b>Tube failure (Tube failure)</b></p> <p><b>Turbine (Turbine)</b></p> <p style="padding-left: 20px;"><b>Turbine blading and diaphragms (Turbine blading and diaphragms)</b></p> <p style="padding-left: 20px;"><b>Turbine casing (Turbine casing)</b></p> <p style="padding-left: 20px;"><b>Turbine casing joint (Turbine casing joint)</b></p> <p style="padding-left: 20px;"><b>Turbine rotor (Turbine rotor)</b></p> <p><b>Turbine control (Turbine control)</b></p> <p><b>Turbine gearing (Turbine gearing)</b></p> <p><b>Books and logs (Books and logs)</b></p> <p style="padding-left: 20px;"><b>Accident prevention - warning notices (Accident prevention - warning notices)</b></p> <p style="padding-left: 20px;"><b>Charts (Charts)</b></p> <p style="padding-left: 20px;"><b>Compass correction log (Compass correction log)</b></p> <p style="padding-left: 20px;"><b>Condition Assessment Scheme (CAS) (Condition Assessment Scheme (CAS))</b></p> <p style="padding-left: 20px;"><b>DG - booklet for bulk cargo loading/unloading/stowage (DG - booklet for bulk cargo loading/unloading/stowage)</b></p> <p style="padding-left: 20px;"><b>Doors/ramp log book (Doors/ramp log book)</b></p> <p style="padding-left: 20px;"><b>International code of signals (International code of signals)</b></p> <p style="padding-left: 20px;"><b>Lifeboat inventory (Lifeboat inventory)</b></p> <p style="padding-left: 20px;"><b>LSA - maintenance and inspections register (LSA - maintenance and inspections register)</b></p> <p style="padding-left: 20px;"><b>LSA - on board training and instructions (LSA - on board training and instructions)</b></p> <p style="padding-left: 20px;"><b>Manuals, instructions, documentation, etc. (Manuals, instructions, documentation, etc.)</b></p> <p style="padding-left: 20px;"><b>Nautical publications (Nautical publications)</b></p> <p style="padding-left: 20px;"><b>Navigation bridge visibility (Navigation bridge visibility)</b></p>		
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	<p><b>Navigation records (Navigation records)</b></p> <p><b>Distress messages: obligations and procedures (Obligations and procedures)</b></p> <p><b>Other (Other)</b></p> <p><b>Performance standards for radio equipment (Performance standards for radio equipment)</b></p> <p><b>Pollution report (Pollution report)</b></p> <p><b>Radio log (diary) (Radio log (diary))</b></p> <p><b>Sewage treatment plan (Sewage treatment plan)</b></p> <p><b>Type approval equipment (Type approval equipment)</b></p> <p><b>Bulk carrier (Bulk carrier)</b></p> <p><b>Bulk carrier safety equipment (Bulk carrier safety equipment)</b></p> <p><b>    Loading instrument (Loading instrument)</b></p> <p><b>    Water level detectors (Water level detectors)</b></p> <p><b>Report on TM2-BC (Report on TM2-BC)</b></p> <p><b>    01 - Strenght deck plating (01 - Strenght deck plating)</b></p> <p><b>    02 - Stringer plate (02 - Stringer plate)</b></p> <p><b>    03 - Sheer strake (03 - Sheer strake)</b></p> <p><b>    04 - Side shell plating (04 - Side shell plating)</b></p> <p><b>    05 - Bilge plating (05 - Bilge plating)</b></p> <p><b>    06 - Bottom shell plating (06 - Bottom shell plating)</b></p> <p><b>    07 - Keel plating (07 - Keel plating)</b></p> <p><b>    08 - Deck longitudinals (08 - Deck longitudinals)</b></p> <p><b>Report on TM3-BC (Report on TM3-BC)</b></p> <p><b>    09 - Deck girders (09 - Deck girders)</b></p> <p><b>    10 - Sheer strake longitudinals (10 - Sheer strake longitudinals)</b></p> <p><b>    11 - Topside tank sloping plating (11 - Topside tank sloping plating)</b></p> <p><b>    12 - Topside tank sloping plating longitudinals (12 - Topside tank</b></p>		
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	<p><b>sloping plating longitudinals)</b></p> <p><b>13 - Bottom longitudinals (13 - Bottom longitudinals)</b></p> <p><b>14 - Bottom girders (14 - Bottom girders)</b></p> <p><b>15 - Bilge longitudinals (15 - Bilge longitudinals)</b></p> <p><b>16 - Side shell longitudinals (16 - Side shell longitudinals)</b></p> <p><b>17 - Inner bottom longitudinals (17 - Inner bottom longitudinals)</b></p> <p><b>18 - Inner bottom girders (18 - Inner bottom girders)</b></p> <p><b>19 - Hopper side plating (19 - Hopper side plating)</b></p> <p><b>20 - Hopper side longitudinals (20 - Hopper side longitudinals)</b></p> <p><b>21 - (TBD) (21 - (TBD))</b></p> <p><b>22 - (TBD) (22 - (TBD))</b></p> <p><b>Report on TM4-BC (Report on TM4-BC)</b></p> <p><b>23 - Double-bottom tank floors (23 - Double-bottom tank floors)</b></p> <p><b>24 - Topside tank transverses (24 - Topside tank transverses)</b></p> <p><b>25 - Hopper side tank transverses (25 - Hopper side tank transverses)</b></p> <p><b>26 - (TBD) (26 - (TBD))</b></p> <p><b>27 - (TBD) (27 - (TBD))</b></p> <p><b>Report on TM6-BC (Report on TM6-BC)</b></p> <p><b>28 - Hatch coornings (28 - Hatch coornings)</b></p> <p><b>29 - Deck plating between hatches (29 - Deck plating between hatches)</b></p> <p><b>30 - Hatch covers (30 - Hatch covers)</b></p> <p><b>31 - Inner bulkhead plating (31 - Inner bulkhead plating)</b></p> <p><b>32 - (TBD) (32 - (TBD))</b></p> <p><b>33 - (TBD) (33 - (TBD))</b></p> <p><b>Report on TM7-BC (Report on TM7-BC)</b></p> <p><b>34 - Hold Frames or diaphragms (34 - Hold Frames or diaphragms)</b></p>		
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	<p><b>Certificates and Documents required to be carried on Board Ships (Certificates and Documents required to be carried on Board Ships)</b></p> <p><b>1. All ships to which the referenced convention applies: (1. All ships to which the referenced convention applies:)</b></p> <p><b>International Tonnage (1969) (International Tonnage (1969))</b></p> <p><b>International Load Line Certificate (International Load Line Certificate)</b></p> <p><b>International Load Line Exemption Certificate (International Load Line Exemption Certificate)</b></p> <p><b>Coating Technical File (Coating Technical File)</b></p> <p><b>Construction drawings (Construction drawings)</b></p> <p><b>Ship Construction File (Ship Construction File)</b></p> <p><b>Intact stability booklet (Intact stability booklet)</b></p> <p><b>Damage control plans and booklets (Damage control plans and booklets)</b></p> <p><b>Minimum safe manning document (Minimum safe manning document)</b></p> <p><b>Fire safety training manual (Fire safety training manual)</b></p> <p><b>Fire Control plan/booklet (Fire Control plan/booklet)</b></p> <p><b>On board training and drills record (On board training and drills record)</b></p> <p><b>Fire safety operational booklet (Fire safety operational booklet)</b></p> <p><b>Maintenance Plans (Maintenance Plans)</b></p> <p><b>Training manual (Training manual)</b></p> <p><b>Nautical charts and nautical publications (Nautical charts and nautical publications)</b></p> <p><b>International Code of Signals and a copy of Volume III of IAMSAR Manual (International Code of Signals and a copy of Volume III of IAMSAR Manual)</b></p> <p><b>Records of navigational activities (Records of navigational activities)</b></p>		
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	<p><b>Manoeuvring booklet (Manoeuvring booklet)</b></p> <p><b>Certificates for masters, officers or ratings (Certificates for masters, officers or ratings)</b></p> <p><b>Records of hours of rest (Records of hours of rest)</b></p> <p><b>International Oil Pollution Prevention Certificate (International Oil Pollution Prevention Certificate)</b></p> <p><b>Oil Record Book (Oil Record Book)</b></p> <p><b>Shipboard Oil Pollution Emergency Plan (Shipboard Oil Pollution Emergency Plan)</b></p> <p><b>International Sewage Pollution Prevention Certificate (International Sewage Pollution Prevention Certificate)</b></p> <p><b>Garbage Management Plan (Garbage Management Plan)</b></p> <p><b>Garbage Record Book (Garbage Record Book)</b></p> <p><b>Voyage data recorder system-certificate of compliance (Voyage data recorder system-certificate of compliance)</b></p> <p><b>Cargo Securing Manual (Cargo Securing Manual)</b></p> <p><b>Document of Compliance (Document of Compliance)</b></p> <p><b>Safety Management Certificate (Safety Management Certificate)</b></p> <p><b>International Ship Security Certificate (ISSC) or Interim (International Ship Security Certificate (ISSC) or Interim)</b></p> <p><b>Ship Security Plan and associated records (Ship Security Plan and associated records)</b></p> <p><b>Continuous Synopsis Record (CSR) (Continuous Synopsis Record (CSR))</b></p> <p><b>International Anti-fouling System Certificate (International Anti-fouling System Certificate)</b></p> <p><b>Declaration on Anti-fouling System (Declaration on Anti-fouling System)</b></p> <p><b>International Air Pollution Prevention Certificate (International Air Pollution Prevention Certificate)</b></p>		
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	<p><b>Ozone Depleting Substances Record Book (Ozone Depleting Substances Record Book)</b></p> <p><b>Fuel Oil Changeover Procedure and Log-Book (record of fuel changeover) (Fuel Oil Changeover Procedure and Log-Book (record of fuel changeover))</b></p> <p><b>Manufacturer's Operating Manual for Incinerators (Manufacturer's Operating Manual for Incinerators)</b></p> <p><b>Bunker Delivery Note and Representative Sample (Bunker Delivery Note and Representative Sample)</b></p> <p><b>Technical File (NOx) (Technical File (NOx))</b></p> <p><b>Record Book of Engine Parameters (Record Book of Engine Parameters)</b></p> <p><b>Exemption Certificate (Exemption Certificate)</b></p> <p><b>LRIT conformance test report (LRIT conformance test report)</b></p> <p><b>2. In addition to the certificates listed in section 1 above, passenger ships shall carry: (2. In addition to the certificates listed in section 1 above, passenger ships shall carry:)</b></p> <p><b>Passenger Ship Safety Certificate (Passenger Ship Safety Certificate)</b></p> <p><b>Special Trade Passenger Ship Safety Certificate, Special Trade Passenger Ship Space Certificate (Special Trade Passenger Ship Safety Certificate, Special Trade Passenger Ship Space Certificate)</b></p> <p><b>Search and rescue cooperation plan (Search and rescue cooperation plan)</b></p> <p><b>List of operational limitations (List of operational limitations)</b></p> <p><b>Decision support system for masters (Decision support system for masters)</b></p> <p><b>3. In addition to the certificates listed in section 1 above, cargo ships shall carry: (3. In addition to the certificates listed in section 1 above, cargo ships shall carry:)</b></p> <p><b>Cargo Ship Safety Construction Certificate (Cargo Ship Safety Construction Certificate)</b></p>		
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	<p><b>Cargo Ship Safety Equipment Certificate (Cargo Ship Safety Equipment Certificate)</b></p> <p><b>Cargo Ship Safety Radio Certificate (Cargo Ship Safety Radio Certificate)</b></p> <p><b>Cargo Ship Safety Certificate (Cargo Ship Safety Certificate)</b></p> <p><b>Document of authorization for the carriage of grain (Document of authorization for the carriage of grain)</b></p> <p><b>Certificate of insurance or other financial security in respect of civil liability for oil pollution damage (Certificate of insurance or other financial security in respect of civil liability for oil pollution damage)</b></p> <p><b>Certificate of insurance or other financial security in respect of civil liability for bunker oil pollution damage (Certificate of insurance or other financial security in respect of civil liability for bunker oil pollution damage)</b></p> <p><b>Certificate of insurance or other financial security in respect of civil liability for oil pollution damage (Certificate of insurance or other financial security in respect of civil liability for oil pollution damage)</b></p> <p><b>Enhanced survey report file (Enhanced survey report file)</b></p> <p><b>Record of oil discharge monitoring and control system for the last ballast voyage (Record of oil discharge monitoring and control system for the last ballast voyage)</b></p> <p><b>Oil Discharge Monitoring and Control (ODMC) Operational Manual (Oil Discharge Monitoring and Control (ODMC) Operational Manual)</b></p> <p><b>Cargo Information (Cargo Information)</b></p> <p><b>Ship Structure Access Manual (Ship Structure Access Manual)</b></p> <p><b>Bulk Carrier Booklet (Bulk Carrier Booklet)</b></p> <p><b>Crude Oil Washing Operation and Equipment Manual (COW Manual) (Crude Oil Washing Operation and Equipment Manual (COW Manual))</b></p> <p><b>Condition Assessment Scheme (CAS) Statement of Compliance, CAS Final Report and Review Record (Condition Assessment</b></p>		
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	<p><b>Scheme (CAS) Statement of Compliance, CAS Final Report and Review Record)</b></p> <p><b>Subdivision and stability information (Subdivision and stability information)</b></p> <p><b>VOC Management Plan (VOC Management Plan)</b></p> <p><b>4. In addition to the certificates listed in sections 1 and 3 above, where appropriate, any ship carrying noxious liquid chemical substances in bulk shall carry: (4. In addition to the certificates listed in sections 1 and 3 above, where appropriate, any ship carrying noxious liquid chemical substances in bulk shall carry:)</b></p> <p><b>International Pollution Prevention Certificate for the Carriage of Noxious Liquid Substances in Bulk (NLS Certificate) (International Pollution Prevention Certificate for the Carriage of Noxious Liquid Substances in Bulk (NLS Certificate))</b></p> <p><b>Cargo record book (Cargo record book)</b></p> <p><b>Procedures and Arrangements Manual (P &amp; A Manual) (Procedures and Arrangements Manual (P &amp; A Manual))</b></p> <p><b>Shipboard Marine Pollution Emergency Plan for Noxious Liquid Substances (Shipboard Marine Pollution Emergency Plan for Noxious Liquid Substances)</b></p> <p><b>5. In addition to the certificates listed in sections 1 and 3 above, where applicable, any chemical tanker shall carry: (5. In addition to the certificates listed in sections 1 and 3 above, where applicable, any chemical tanker shall carry:)</b></p> <p><b>Certificate of Fitness for the Carriage of Dangerous Chemicals in Bulk (Certificate of Fitness for the Carriage of Dangerous Chemicals in Bulk)</b></p> <p><b>International Certificate of Fitness for the Carriage of Dangerous Chemicals in Bulk (International Certificate of Fitness for the Carriage of Dangerous Chemicals in Bulk)</b></p> <p><b>6. In addition to the certificates listed in sections 1 and 3 above, where applicable, any gas carrier shall carry: (6. In addition to the certificates</b></p>		
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	<p>listed in sections 1 and 3 above, where applicable, any gas carrier shall carry:)</p> <p><b>Certificate of Fitness for the Carriage of Liquefied Gases in Bulk (Certificate of Fitness for the Carriage of Liquefied Gases in Bulk)</b></p> <p><b>International Certificate of Fitness for the Carriage of Liquefied Gases in Bulk (International Certificate of Fitness for the Carriage of Liquefied Gases in Bulk)</b></p> <p>7. In addition to the certificates listed in sections 1, and 2 or 3 above, where applicable, any high-speed craft shall carry: (7. In addition to the certificates listed in sections 1, and 2 or 3 above, where applicable, any high-speed craft shall carry:)</p> <p><b>High-Speed Craft Safety Certificate (High-Speed Craft Safety Certificate)</b></p> <p><b>Permit to Operate High-Speed Craft (Permit to Operate High-Speed Craft)</b></p> <p>8. In addition to the certificates listed in sections 1, and 2 or 3 above, where applicable, any ship carrying dangerous goods shall carry: (8. In addition to the certificates listed in sections 1, and 2 or 3 above, where applicable, any ship carrying dangerous goods shall carry:)</p> <p><b>Document of compliance with the special requirements for ships carrying dangerous goods (Document of compliance with the special requirements for ships carrying dangerous goods)</b></p> <p>9. In addition to the certificates listed in sections 1, and 2 or 3 above, where applicable, any ship carrying dangerous goods in packaged form shall carry: (9. In addition to the certificates listed in sections 1, and 2 or 3 above, where applicable, any ship carrying dangerous goods in packaged form shall carry:)</p> <p><b>Dangerous goods manifest or stowage plan (Dangerous goods manifest or stowage plan)</b></p> <p>10. In addition to the certificates listed in sections 1, and 2 or 3 above, where applicable, any ship carrying INF cargo shall carry: (10. In addition to the certificates listed in sections 1, and 2 or 3 above, where applicable, any ship carrying INF cargo shall carry:)</p>		
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	<p><b>International Certificate of Fitness for the Carriage of INF Cargo (International Certificate of Fitness for the Carriage of INF Cargo)</b></p> <p><b>11. In addition to the certificates listed in sections 1, and 2 or 3 above, where applicable, any Nuclear Ship shall carry: (11. In addition to the certificates listed in sections 1, and 2 or 3 above, where applicable, any Nuclear Ship shall carry:)</b></p> <p><b>A Nuclear Cargo Ship Safety Certificate or Nuclear Passenger Ship Safety Certificate, in place of the Cargo Ship Safety Certificate or Passenger Ship Safety Certificate, as appropriate (A Nuclear Cargo Ship Safety Certificate or Nuclear Passenger Ship Safety Certificate, in place of the Cargo Ship Safety Certificate or Passenger Ship Safety Certificate, as appropriate)</b></p> <p><b>12. Other certificates and documents which are not mandatory (12. Other certificates and documents which are not mandatory)</b></p> <p><b>Special purpose ships - Special Purpose Ship Safety Certificate (Special purpose ships - Special Purpose Ship Safety Certificate)</b></p> <p><b>Offshore support vessels - Offshore Supply Vessel Document of Compliance (Offshore support vessels - Offshore Supply Vessel Document of Compliance)</b></p> <p><b>Offshore support vessels - Certificate of Fitness for Offshore Support Vessels (Offshore support vessels - Certificate of Fitness for Offshore Support Vessels)</b></p> <p><b>Diving systems - Diving System Safety Certificate (Diving systems - Diving System Safety Certificate)</b></p> <p><b>Dynamically supported craft - Dynamically Supported Craft Construction and Equipment Certificate (Dynamically supported craft - Dynamically Supported Craft Construction and Equipment Certificate)</b></p> <p><b>Mobile offshore drilling units - Mobile Offshore Drilling Unit Safety Certificate (Mobile offshore drilling units - Mobile Offshore Drilling Unit Safety Certificate)</b></p> <p><b>Wing-In-Ground (WIG) Craft - Wing-in-ground Craft Safety Certificate (Wing-In-Ground (WIG) Craft - Wing-in-ground Craft</b></p>		
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	<p><b>Safety Certificate)</b></p> <p><b>Wing-In-Ground (WIG) Craft - Permit to Operate WIG Craft (Wing-In-Ground (WIG) Craft - Permit to Operate WIG Craft)</b></p> <p><b>Noise levels - Noise Survey Report (Noise levels - Noise Survey Report)</b></p> <p><b>Deck machinery/equipment (Deck machinery/equipment)</b></p> <p><b>Crane (Crane)</b></p> <p><b>Derrick (Derrick)</b></p> <p><b>Derricks Fitting (Derricks Fitting)</b></p> <p><b>Derricks Rigging (Derricks Rigging)</b></p> <p><b>Fishing Derricks (Fishing Derricks)</b></p> <p><b>Fishing Derricks Rigging (Fishing Derricks Rigging)</b></p> <p><b>Fishing Derricks wire (Fishing Derricks wire)</b></p> <p><b>Gallows (Gallows)</b></p> <p><b>Gilson (Gilson)</b></p> <p><b>Hauler Net/Line (Hauler Net/Line)</b></p> <p><b>Net Drum (Net Drum)</b></p> <p><b>Power block (Power block)</b></p> <p><b>Rope Reel (Rope Reel)</b></p> <p><b>Trawl winch (Trawl winch)</b></p> <p><b>Winch (Winch)</b></p> <p><b>Windlass (Windlass)</b></p> <p><b>Doors (Doors)</b></p> <p><b>Automatic latch door (Automatic latch door)</b></p> <p><b>Bow door (visor) (Bow door (visor))</b></p> <p><b>Cabin/public space door (Cabin/public space door)</b></p> <p><b>Door (Door)</b></p> <p><b>Door leakage detection (Door leakage detection)</b></p>		
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	<p>Door/hatch cover indicator (open/close) (Door/hatch cover indicator (open/close))</p> <p>Doors remote control (Doors remote control)</p> <p>Doors television surveillance (Doors television surveillance)</p> <p>Emergency escape door (Emergency escape door)</p> <p>Fire door (Fire door)</p> <p>Flush scuttle (Flush scuttle)</p> <p>Hatch cover (Hatch cover)</p> <p>Inner door (Inner door)</p> <p>Local power accumulators (Local power accumulators)</p> <p>Master mode switch door (Master mode switch door)</p> <p>Portable plates on bulkheads (Portable plates on bulkheads)</p> <p>Porthole (Porthole)</p> <p>Scupper (Scupper)</p> <p>Scupper closing mechanism (Scupper closing mechanism)</p> <p>Self-closing doors (Self-closing doors)</p> <p>Semi-watertight door (Semi-watertight door)</p> <p>Side shell door (Side shell door)</p> <p>Sidescuttle (Sidescuttle)</p> <p>Skylight (Skylight)</p> <p>Stern door (ramp) (Stern door (ramp))</p> <p>Watertight bunker door (Watertight bunker door)</p> <p>Watertight door (Watertight door)</p> <p>Watertight door local control (Watertight door local control)</p> <p>Weathertigh door (Weathertigh door)</p> <p>Weathertight ramp (Weathertight ramp)</p> <p>Electrical equipment (Electrical equipment)</p> <p>AC generators (AC generators)</p>		
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	<p><b>Excitation system (Excitation system)</b></p> <p><b>Rotor (Rotor)</b></p> <p><b>Stator (Stator)</b></p> <p><b>Three-phase system (Three-phase system)</b></p> <p><b>AC motor (AC motor)</b></p> <p><b>Auto-transforming starting (Auto-transforming starting)</b></p> <p><b>Direct on-line starting (Direct on-line starting)</b></p> <p><b>Double cage rotor (Double cage rotor)</b></p> <p><b>Low-current starting (Low-current starting)</b></p> <p><b>Motor protection (Motor protection)</b></p> <p><b>Single-phasing (Single-phasing)</b></p> <p><b>Speed variation (Speed variation)</b></p> <p><b>Squirrel-cage induction motor (Squirrel-cage induction motor)</b></p> <p><b>Star-delta starting (Star-delta starting)</b></p> <p><b>Synchronous motor (Synchronous motor)</b></p> <p><b>AC switchboard and distribution systems (AC switchboard and distribution systems)</b></p> <p><b>Alternator and system protection (Alternator and system protection)</b></p> <p><b>Synchronisation (Synchronisation)</b></p> <p><b>Transformers (Transformers)</b></p> <p><b>Batteries and emergency systems (Batteries and emergency systems)</b></p> <p><b>Battery charging (Battery charging)</b></p> <p><b>Emergency generator (Emergency generator)</b></p> <p><b>Lead-acid batteries (Lead-acid batteries)</b></p> <p><b>Nickel-cadmium batteries (Nickel-cadmium batteries)</b></p> <p><b>Standby emergency batteries (Standby emergency batteries)</b></p> <p><b>Electric propulsion (Electric propulsion)</b></p> <p><b>Safe electrical equipment for hazardous areas (Safe electrical equipment</b></p>		
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	<p>for hazardous areas)</p> <p>Flameproof (Ex d) equipment (Flameproof (Ex d) equipment)</p> <p>Increased safety (Ex e) equipment (Increased safety (Ex e) equipment)</p> <p>Intrinsic safety (Ex i) (Intrinsic safety (Ex i))</p> <p>Non-incendive (Ex n or N) equipment (Non-incendive (Ex n or N) equipment)</p> <p>Pressurised (Ex p) equipment (Pressurised (Ex p) equipment)</p> <p>Shaft-driven generators (Shaft-driven generators)</p> <p>Engine-room – bilge / ballast system (Engine-room – bilge / ballast system)</p> <p>Ballast pump (Ballast pump)</p> <p>Bilge injection SDNR (Bilge injection SDNR)</p> <p>Bilge pump (Bilge pump)</p> <p>Central priming system (Central priming system)</p> <p>General service pump (General service pump)</p> <p>Main injection valve (Main injection valve)</p> <p>Oily water separator (Oily water separator)</p> <p>Sea-chest (Sea-chest)</p> <p>Strainer (Strainer)</p> <p>Valve chest (Valve chest)</p> <p>Engine-room – fresh water / sea water cooling system (Engine-room – fresh water / sea water cooling system)</p> <p>Air vents (Air vents)</p> <p>Central cooling system (Central cooling system)</p> <p>Fresh water cooler (Fresh water cooler)</p> <p>Fresh water expansion tank (Fresh water expansion tank)</p> <p>Harbour seawater pump (Harbour seawater pump)</p> <p>High sea chest suction (High sea chest suction)</p>		
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<p><b>Jacket water cooler (Jacket water cooler)</b></p> <p><b>Low sea chest suction (Low sea chest suction)</b></p> <p><b>Main fresh water pump (Main fresh water pump)</b></p> <p><b>Main seawater pump (Main seawater pump)</b></p> <p><b>Piston cooling pumps (Piston cooling pumps)</b></p> <p><b>Piston water cooler (Piston water cooler)</b></p> <p><b>Pre-Heater (Pre-Heater)</b></p> <p><b>Thermostatically controlled valve (Thermostatically controlled valve)</b></p> <p><b>Engine-room – shafting (Engine-room – shafting)</b></p> <p><b>Coupling, clutches, gearbox (Coupling, clutches, gearbox)</b></p> <p><b>Line shaft bearing (Line shaft bearing)</b></p> <p><b>Stern tube (Stern tube)</b></p> <p><b>Stern tube header tank (Stern tube header tank)</b></p> <p><b>Thrust block (Thrust block)</b></p> <p><b>Engine-room – steering gear (Engine-room – steering gear)</b></p> <p><b>Automatic system (Automatic system)</b></p> <p><b>Follow up system (Follow up system)</b></p> <p><b>Hele-shaw pump (Hele-shaw pump)</b></p> <p><b>Hunting gear (Hunting gear)</b></p> <p><b>Non follow up system (Non follow up system)</b></p> <p><b>Ram type hydraulic steering gear (Ram type hydraulic steering gear)</b></p> <p><b>Rotary vane steering gear (Rotary vane steering gear)</b></p> <p><b>Rudder (Rudder)</b></p> <p><b>Rudder carries bearing (Rudder carries bearing)</b></p> <p><b>Rudder stock (Rudder stock)</b></p> <p><b>Steering gear motor (Steering gear motor)</b></p> <p><b>Telemotor system (Telemotor system)</b></p>		
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	<p><b>Variable speed gear (Variable speed gear)</b></p> <p><b>Exhausts (Exhausts)</b></p> <p><b>Centrifugal fan (Centrifugal fan)</b></p> <p><b>Portable axial fan (Portable axial fan)</b></p> <p><b>Ventilation fan (Ventilation fan)</b></p> <p><b>Fire protection equipment (Fire protection equipment)</b></p> <p><b>'A' and 'B' Class divisions fire integrity ('A' and 'B' Class divisions fire integrity)</b></p> <p><b>'A' and 'B' class fire proof windows and side scuttles ('A' and 'B' class fire proof windows and side scuttles)</b></p> <p><b>Alarm devices (Alarm devices)</b></p> <p><b>Bedding components (Bedding components)</b></p> <p><b>Compressed air line breathing apparatus (Compressed air line breathing apparatus)</b></p> <p><b>Concentrate for Fixed High Expansion Foam Fire Extinguishing Systems for Machinery (Concentrate for Fixed High Expansion Foam Fire Extinguishing Systems for Machinery)</b></p> <p><b>Devices to prevent the passage of flame into the cargo tanks in tankers (Devices to prevent the passage of flame into the cargo tanks in tankers)</b></p> <p><b>Draperies, curtains and other suspended textile materials and films (Draperies, curtains and other suspended textile materials and films)</b></p> <p><b>Dual purpose type nozzles (spray/jet type) (Dual purpose type nozzles (spray/jet type))</b></p> <p><b>Electric Cable Transits through 'A' class divisions (Electric Cable Transits through 'A' class divisions)</b></p> <p><b>Emergency escape breathing devices (EEBD) (Emergency escape breathing devices (EEBD))</b></p> <p><b>Equivalent fixed gas fire extinguishing systems components (extinguishing medium, head valves and nozzles) for machinery spaces and cargo pump rooms (Equivalent fixed gas fire extinguishing systems components</b></p>		
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	<p>(extinguishing medium, head valves and nozzles) for machinery spaces and cargo pump rooms)</p> <p>Expansion Foam for Fixed Fire Extinguishing Systems for Chemical Tanker (Expansion Foam for Fixed Fire Extinguishing Systems for Chemical Tanker)</p> <p>Fire dampers (Fire dampers)</p> <p>Fire dampers on high speed craft (Fire dampers on high speed craft)</p> <p>Fire door control systems components (Fire door control systems components)</p> <p>Fire doors (Fire doors)</p> <p>Fire doors on high speed craft (Fire doors on high speed craft)</p> <p>Fire hoses (Fire hoses)</p> <p>Fire hoses (reel type) (Fire hoses (reel type))</p> <p>Fire resisting divisions for high speed craft (Fire resisting divisions for high speed craft)</p> <p>Fire restricting materials (except furniture) for high speed craft (Fire restricting materials (except furniture) for high speed craft)</p> <p>Fire restricting materials for furniture for high speed craft (Fire restricting materials for furniture for high speed craft)</p> <p>Fire-fighter's outfit: boots (Fire-fighter's outfit: boots)</p> <p>Fire-fighter's outfit: gloves (Fire-fighter's outfit: gloves)</p> <p>Fire-fighter's outfit: helmet (Fire-fighter's outfit: helmet)</p> <p>Fire-fighter's outfit: lifeline (Fire-fighter's outfit: lifeline)</p> <p>&lt;New Value&gt; (Fire-fighter's outfit: protective clothing (close proximity clothing))</p> <p>Fixed fire detection and fire alarm systems components for control stations, service spaces, accommodation spaces, cabin balconies, machinery spaces and unattended machinery spaces (Fixed fire detection and fire alarm systems components for control stations, service spaces, accommodation spaces, cabin balconies, machinery spaces and</p>		
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	<p><b>unattended machinery spaces)</b></p> <p><b>Fixed Low Expansion Foam Fire Extinguishing Systems components for Machinery Spaces and Tanker Deck Protection (Fixed Low Expansion Foam Fire Extinguishing Systems components for Machinery Spaces and Tanker Deck Protection)</b></p> <p><b>Fixed oxygen analysis and gas detection equipment (Fixed oxygen analysis and gas detection equipment)</b></p> <p><b>Fixed water based local application fire fighting systems components for use in category 'A' machinery spaces (Fixed water based local application fire fighting systems components for use in category 'A' machinery spaces)</b></p> <p><b>Inert gas systems components (Inert gas systems components)</b></p> <p><b>Inside air high expansion foam systems for the protection of machinery spaces and cargo pump rooms (Inside air high expansion foam systems for the protection of machinery spaces and cargo pump rooms)</b></p> <p><b>Low-location lighting systems (components only) (Low-location lighting systems (components only))</b></p> <p><b>Materials other than steel for pipes conveying oil or fuel oil - flexible pipe assemblies (Materials other than steel for pipes conveying oil or fuel oil - flexible pipe assemblies)</b></p> <p><b>Materials other than steel for pipes conveying oil or fuel oil - pipes and fittings (Materials other than steel for pipes conveying oil or fuel oil - pipes and fittings)</b></p> <p><b>Materials other than steel for pipes conveying oil or fuel oil - valves (Materials other than steel for pipes conveying oil or fuel oil - valves)</b></p> <p><b>Materials other than steel for pipes penetrating 'A' or 'B' Class division (Materials other than steel for pipes penetrating 'A' or 'B' Class division)</b></p> <p><b>Medium Expansion Foam Fire Extinguishing Systems components - Fixed Deck Foam for Tankers (Medium Expansion Foam Fire Extinguishing Systems components - Fixed Deck Foam for Tankers)</b></p> <p><b>Non-combustible duct penetrations through 'A' class divisions (Non-combustible duct penetrations through 'A' class divisions)</b></p>		
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	<p><b>Non-combustible materials (Non-combustible materials)</b></p> <p><b>Non-portable and transportable fire extinguishers (Non-portable and transportable fire extinguishers)</b></p> <p><b>Nozzles for deep fat cooking equipment fire extinguishing systems (automatic or manual type) (Nozzles for deep fat cooking equipment fire extinguishing systems (automatic or manual type))</b></p> <p><b>Nozzles for equivalent water-mist fire extinguishing systems for machinery spaces and cargo pump rooms (Nozzles for equivalent water-mist fire extinguishing systems for machinery spaces and cargo pump rooms)</b></p> <p><b>Nozzles for fixed pressure water spraying fire extinguishing systems for machinery spaces and cargo pump-rooms (Nozzles for fixed pressure water spraying fire extinguishing systems for machinery spaces and cargo pump-rooms)</b></p> <p><b>Nozzles for fixed pressure water-spraying fire-extinguishing systems for cabin balconies (Nozzles for fixed pressure water-spraying fire-extinguishing systems for cabin balconies)</b></p> <p><b>Nozzles for fixed sprinkler systems, for high speed craft (HSC) (Nozzles for fixed sprinkler systems, for high speed craft (HSC))</b></p> <p><b>Nozzles for fixed water-based fire-fighting systems for ro-ro spaces and special category spaces (Nozzles for fixed water-based fire-fighting systems for ro-ro spaces and special category spaces)</b></p> <p><b>Penetrations through 'A' class divisions - electric cable transits (Penetrations through 'A' class divisions - electric cable transits)</b></p> <p><b>Penetrations through 'A' class divisions - pipe, duct, trunk, etc penetrations (Penetrations through 'A' class divisions - pipe, duct, trunk, etc penetrations)</b></p> <p><b>Penetrations through 'B' class - electric cable transits (Penetrations through 'B' class - electric cable transits)</b></p> <p><b>Penetrations through 'B' class - pipe, duct, trunk, etc penetrations (Penetrations through 'B' class - pipe, duct, trunk, etc penetrations)</b></p> <p><b>Penetrations through fire resisting divisions on high speed craft - electric cable transits (Penetrations through fire resisting divisions on high speed</b></p>		
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	<p><b>craft - electric cable transits)</b></p> <p><b>Penetrations through fire resisting divisions on high speed craft - pipe, duct, trunk etc penetrations (Penetrations through fire resisting divisions on high speed craft - pipe, duct, trunk etc penetrations)</b></p> <p><b>Portable fire extinguishers (Portable fire extinguishers)</b></p> <p><b>Portable fire-extinguishing equipment for lifeboats and rescue boats (Portable fire-extinguishing equipment for lifeboats and rescue boats)</b></p> <p><b>Portable oxygen analysis and gas detection equipment (Portable oxygen analysis and gas detection equipment)</b></p> <p><b>Primary decks covering (Primary decks covering)</b></p> <p><b>Protective clothing resistant to chemical attack (Protective clothing resistant to chemical attack)</b></p> <p><b>Self-contained compressed-air-operated breathing apparatus (Self-contained compressed-air-operated breathing apparatus)</b></p> <p><b>Spaces and Cargo Pump Rooms (Spaces and Cargo Pump Rooms)</b></p> <p><b>Sprinkler systems (limited to sprinkler heads) (Sprinkler systems (limited to sprinkler heads))</b></p> <p><b>Sprinkler systems components for accommodation spaces, service spaces and control stations equivalent to that referred to in SOLAS 74 Reg. II-2/12 (limited to nozzles and their performance) (Sprinkler systems components for accommodation spaces, service spaces and control stations equivalent to that referred to in SOLAS 74 Reg. II-2/12 (limited to nozzles and their performance))</b></p> <p><b>Surface materials and floor coverings with low flame-spread characteristics - adhesives used in the construction of 'A', 'B' &amp; 'C' class divisions (Surface materials and floor coverings with low flame-spread characteristics - adhesives used in the construction of 'A', 'B' &amp; 'C' class divisions)</b></p> <p><b>Surface materials and floor coverings with low flame-spread characteristics - combustible ducts (Surface materials and floor coverings with low flame-spread characteristics - combustible ducts)</b></p> <p><b>Surface materials and floor coverings with low flame-spread characteristics</b></p>		
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	<p>- decorative veneers (Surface materials and floor coverings with low flame-spread characteristics - decorative veneers)</p> <p>Surface materials and floor coverings with low flame-spread characteristics</p> <p>- floor coverings (Surface materials and floor coverings with low flame-spread characteristics - floor coverings)</p> <p>Surface materials and floor coverings with low flame-spread characteristics</p> <p>- paint systems (Surface materials and floor coverings with low flame-spread characteristics - paint systems)</p> <p>Surface materials and floor coverings with low flame-spread characteristics</p> <p>- pipe insulation covers (Surface materials and floor coverings with low flame-spread characteristics - pipe insulation covers)</p> <p>Upholstered furniture (Upholstered furniture)</p> <p>Galley and laundry equipment (Galley and laundry equipment)</p> <p>Dishwashing (Dishwashing)</p> <p>Electric cooker (Electric cooker)</p> <p>Freezer (Freezer)</p> <p>Frying pan (Frying pan)</p> <p>Gas-stove (Gas-stove)</p> <p>Laundry equipment (Laundry equipment)</p> <p>Oven (Oven)</p> <p>Refrigerator (Refrigerator)</p> <p>Steamer (Steamer)</p> <p>Steam-Jacketed Kettles (Steam-Jacketed Kettles)</p> <p>Stove (Stove)</p> <p>Instrumentation and control (Instrumentation and control)</p> <p>Control valve (Control valve)</p> <p>Flow measuring device (Flow measuring device)</p> <p>Level measuring device (Level measuring device)</p> <p>Pressure measuring device (Pressure measuring device)</p>		
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	<p>Signal transmitting device (Signal transmitting device)</p> <p>Temperature measuring device (Temperature measuring device)</p> <p>Other (Other)</p> <p>LSA (Life Saving Appliances) (LSA (Life Saving Appliances))</p> <p>9GHz SAR transponder (SART) (9GHz SAR transponder (SART))</p> <p>Automatically self-righting liferafts (Automatically self-righting liferafts)</p> <p>Buoyant apparatus (Buoyant apparatus)</p> <p>Buoyant smoke signals (pyrotechnics) (Buoyant smoke signals (pyrotechnics))</p> <p>Canopied reversible liferafts (Canopied reversible liferafts)</p> <p>Compass for lifeboats and rescue boats (Compass for lifeboats and rescue boats)</p> <p>Embarkation ladders (Embarkation ladders)</p> <p>Fast rescue boat launching appliances (Fast rescue boat launching appliances)</p> <p>Fast rescue boats (Fast rescue boats)</p> <p>Float-free arrangements for liferafts (hydrostatic release units) (Float-free arrangements for liferafts (hydrostatic release units))</p> <p>Float-free launching appliances for survival craft (Float-free launching appliances for survival craft)</p> <p>Hand flares (pyrotechnics) (Hand flares (pyrotechnics))</p> <p>Helicopter landing and pick-up area (Helicopter landing and pick-up area)</p> <p>Immersion suits and anti-exposure suits classified as lifejackets (Immersion suits and anti-exposure suits classified as lifejackets)</p> <p>Immersion suits and anti-exposure suits insulated or not insulated (Immersion suits and anti-exposure suits insulated or not insulated)</p> <p>Launching appliances for free-fall lifeboats (Launching appliances for free-fall lifeboats)</p> <p>Launching appliances using fall and winch (davits) (Launching appliances</p>		
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	<p>using fall and winch (davits))</p> <p>Life jackets (Life jackets)</p> <p>Lifeboat inventory (Lifeboat inventory)</p> <p>Lifeboat/rescue boat propulsion engine (Lifeboat/rescue boat propulsion engine)</p> <p>Lifeboats (Lifeboats)</p> <p>Lifeboats - stowage (Lifeboats - stowage)</p> <p>Lifebuoys (Lifebuoys)</p> <p>Lifebuoys self-activating smoke signals (Lifebuoys self-activating smoke signals)</p> <p>Liferaft - stowage (Liferaft - stowage)</p> <p>Liferaft launching appliances (Liferaft launching appliances)</p> <p>Liferafts – inflatable (Liferafts – inflatable)</p> <p>Liferafts - rigid (Liferafts - rigid)</p> <p>Line-throwing appliances (pyrotechnics) (Line-throwing appliances (pyrotechnics))</p> <p>Marine evacuation systems (Marine evacuation systems)</p> <p>Means of rescue (Means of rescue)</p> <p>Mechanical pilot hoist (Mechanical pilot hoist)</p> <p>Open reversible liferafts (Open reversible liferafts)</p> <p>Other (Other)</p> <p>Portable fire-extinguishing equipment for lifeboats and rescue boats (Portable fire-extinguishing equipment for lifeboats and rescue boats)</p> <p>Position indicating lights for lifebuoys (Position indicating lights for lifebuoys)</p> <p>Position indicating lights for lifejackets (Position indicating lights for lifejackets)</p> <p>Position indicating lights for survival craft and rescue boats (Position indicating lights for survival craft and rescue boats)</p>		
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	<p><b>Radar reflector for lifeboats and rescue boats (Radar reflector for lifeboats and rescue boats)</b></p> <p><b>Radar reflector for liferafts (*) (Radar reflector for liferafts (*))</b></p> <p><b>Radio lifesaving appliances (Radio lifesaving appliances)</b></p> <p><b>Release mechanism for lifeboats and rescue boats launched by a fall or falls (Release mechanism for lifeboats and rescue boats launched by a fall or falls)</b></p> <p><b>Release mechanism for liferafts launched by a fall or falls (Release mechanism for liferafts launched by a fall or falls)</b></p> <p><b>Rescue boat propulsion engine-outboard motor (Rescue boat propulsion engine-outboard motor)</b></p> <p><b>Rescue boats - inflated (Rescue boats - inflated)</b></p> <p><b>Rescue boats - rigid (Rescue boats - rigid)</b></p> <p><b>Rescue boats - stowage (Rescue boats - stowage)</b></p> <p><b>Retro-reflective materials (Retro-reflective materials)</b></p> <p><b>Rocket parachute flares (pyrotechnics) (Rocket parachute flares (pyrotechnics))</b></p> <p><b>Searchlights for use in lifeboats and rescue boats (Searchlights for use in lifeboats and rescue boats)</b></p> <p><b>Survival craft two-way VHF radio telephone apparatus (Survival craft two-way VHF radio telephone apparatus)</b></p> <p><b>Thermal protective aids (Thermal protective aids)</b></p> <p><b>Marine pollution prevention (Marine pollution prevention)</b></p> <p><b>Dry chemical powder extinguishing systems (Dry chemical powder extinguishing systems)</b></p> <p><b>Fixed Gas Fire Extinguishing Systems (CO2) components (Fixed Gas Fire Extinguishing Systems (CO2) components)</b></p> <p><b>Gaseous Fuel Systems Used for Domestic Purposes (components) (Gaseous Fuel Systems Used for Domestic Purposes (components))</b></p> <p><b>Oil discharge monitoring and control system for oil tankers (Oil discharge</b></p>		
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	<p>monitoring and control system for oil tankers)</p> <p>Oil/water interface detectors (Oil/water interface detectors)</p> <p>Oil-content meters (Oil-content meters)</p> <p>Oil-filtering equipment (oil content of the effluent &lt; 15 p.p.m.) (Oil-filtering equipment (oil content of the effluent &lt; 15 p.p.m.))</p> <p>On board exhaust gas cleaning systems (On board exhaust gas cleaning systems)</p> <p>On board NOx monitoring and recording devices (On board NOx monitoring and recording devices)</p> <p>Other equivalent methods to reduce on board NOx emissions (Other equivalent methods to reduce on board NOx emissions)</p> <p>Other technological methods to limit SOx emissions (Other technological methods to limit SOx emissions)</p> <p>Process units intended for attachment to existing oily water separating equipment (oil content of the effluent &lt; 15 p.p.m.) (Process units intended for attachment to existing oily water separating equipment (oil content of the effluent &lt; 15 p.p.m.))</p> <p>Sewage systems (Sewage systems)</p> <p>Shipboard incinerators (Shipboard incinerators)</p> <p>Water Spraying Hand Operated System (Water Spraying Hand Operated System)</p> <p>Propeller/main shafting (Propeller/main shafting)</p> <p>Blade (Blade)</p> <p>Blade root (Blade root)</p> <p>Blade seal (Blade seal)</p> <p>Blade tip (Blade tip)</p> <p>Flange (Flange)</p> <p>Main shaft (Main shaft)</p> <p>Oil Distribution Box (ODB) (Oil Distribution Box (ODB))</p>		
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	<p>Pitch Control (Pitch Control)</p> <p>Propeller - controllable pitch (Propeller - controllable pitch)</p> <p>Propeller - fixed pitch (Propeller - fixed pitch)</p> <p>Propeller hub (Propeller hub)</p> <p>Spring bearing (Spring bearing)</p> <p>Stern tube bearing (Stern tube bearing)</p> <p>Strut (Strut)</p> <p>Strut bearing (Strut bearing)</p> <p>Thrust bearing (Thrust bearing)</p> <p>Propulsion System – diesel electric (Propulsion System – diesel electric)</p> <p>Arcing (Arcing)</p> <p>Asynchronous motors (Asynchronous motors)</p> <p>Bus bars (Bus bars)</p> <p>Bus tie interconnecting breaker (Bus tie interconnecting breaker)</p> <p>Capacitors (Capacitors)</p> <p>Circuit breaker (Circuit breaker)</p> <p>Current imbalance detection system (Current imbalance detection system)</p> <p>Delta connection (Delta connection)</p> <p>Dielectric (Dielectric)</p> <p>Electro magnetic interference (Electro magnetic interference)</p> <p>Harmonic distortion of voltage (Harmonic distortion of voltage)</p> <p>Harmonic filter (Harmonic filter)</p> <p>Main switchboard (Main switchboard)</p> <p>Power convertor (Power convertor)</p> <p>Power management system (Power management system)</p> <p>Propulsion motors (Propulsion motors)</p> <p>Section switchboard (Section switchboard)</p>		
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<p><b>Star connection (Star connection)</b></p> <p><b>Starters (Starters)</b></p> <p><b>Synchronous motor (Synchronous motor)</b></p> <p><b>Thyristor (Thyristor)</b></p> <p><b>Transformer (Transformer)</b></p> <p><b>Propulsion System – diesel engines (Propulsion System – diesel engines)</b></p> <p><b>Bedplate (Bedplate)</b></p> <p><b>Bottom end bearing (big end) (Bottom end bearing (big end))</b></p> <p><b>Camshaft and valve gear (Camshaft and valve gear)</b></p> <p><b>Charge air cooler (Charge air cooler)</b></p> <p><b>Connecting rod (Connecting rod)</b></p> <p><b>Crankcase oil mist detector (Crankcase oil mist detector)</b></p> <p><b>Crankcase relief valve (Crankcase relief valve)</b></p> <p><b>Crankshaft (Crankshaft)</b></p> <p><b>Crosshead (Crosshead)</b></p> <p><b>Cylinder head (Cylinder head)</b></p> <p><b>Cylinder indicator cock (Cylinder indicator cock)</b></p> <p><b>Cylinder jacket (Cylinder jacket)</b></p> <p><b>Cylinder liner (Cylinder liner)</b></p> <p><b>Cylinder lubrication (Cylinder lubrication)</b></p> <p><b>Cylinder safety valve (Cylinder safety valve)</b></p> <p><b>Diaphragm gland (Diaphragm gland)</b></p> <p><b>Engine foundation (Engine foundation)</b></p> <p><b>Engine guides (crosshead engines) (Engine guides (crosshead engines))</b></p> <p><b>Exhaust high temperature (Exhaust high temperature)</b></p> <p><b>Exhaust ports (Exhaust ports)</b></p> <p><b>Exhaust pyrometer (Exhaust pyrometer)</b></p>		
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	<p><b>Exhaust valves (Exhaust valves)</b></p> <p><b>Four-stroke engine (Four-stroke engine)</b></p> <p><b>Gudgeon pin (Gudgeon pin)</b></p> <p><b>High speed engine (High speed engine)</b></p> <p><b>Holding-down bolts / studs (Holding-down bolts / studs)</b></p> <p><b>Inlet ports (Inlet ports)</b></p> <p><b>Inlet valves (Inlet valves)</b></p> <p><b>Main bearings (Main bearings)</b></p> <p><b>Medium speed engine (Medium speed engine)</b></p> <p><b>Piston crown (Piston crown)</b></p> <p><b>Piston rings (Piston rings)</b></p> <p><b>Piston rod gland (Piston rod gland)</b></p> <p><b>Piston skirt (Piston skirt)</b></p> <p><b>Scavenge space relief valve (Scavenge space relief valve)</b></p> <p><b>Slow speed engine (Slow speed engine)</b></p> <p><b>Timing chain / belts (Timing chain / belts)</b></p> <p><b>Top end bearing (small end) (Top end bearing (small end))</b></p> <p><b>Turbocharger (Turbocharger)</b></p> <p><b>Turning gear / barring motor (Turning gear / barring motor)</b></p> <p><b>Two-stroke engine (Two-stroke engine)</b></p> <p><b>V-engine (V-engine)</b></p> <p><b>Propulsion System – fuel / diesel oil system (Propulsion System – fuel / diesel oil system)</b></p> <p><b>Booster pump – FO (Booster pump – FO)</b></p> <p><b>Booster pump – GO (Booster pump – GO)</b></p> <p><b>Bunker tank (Bunker tank)</b></p> <p><b>Cold filter (Cold filter)</b></p> <p><b>Flowmeter (Flowmeter)</b></p>		
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<p>Fuel injector (Fuel injector)</p> <p>Fuel oil high temperature (Fuel oil high temperature)</p> <p>Fuel oil low pressure (Fuel oil low pressure)</p> <p>Fuel oil spill tank (Fuel oil spill tank)</p> <p>Fuel pipe double jacket (Fuel pipe double jacket)</p> <p>Fuel pipes (Fuel pipes)</p> <p>Fuel pumps (high pressure) (Fuel pumps (high pressure))</p> <p>Fuel rack link (Fuel rack link)</p> <p>Heater (Heater)</p> <p>Hot filter (Hot filter)</p> <p>Injector timing mechanism (Injector timing mechanism)</p> <p>Main engine governor (Main engine governor)</p> <p>Mixing tank (Mixing tank)</p> <p>Separator – FO (Separator – FO)</p> <p>Separator – GO (Separator – GO)</p> <p>Service tank (day tank) – FO (Service tank (day tank) – FO)</p> <p>Service tank (day tank) – GO (Service tank (day tank) – GO)</p> <p>Settling tank – FO (Settling tank – FO)</p> <p>Settling tank – GO (Settling tank – GO)</p> <p>Supply pumps (Supply pumps)</p> <p>Transfer pump (Transfer pump)</p> <p>Viscosity regulator (Viscosity regulator)</p> <p>Propulsion System – lubricating oil system (Propulsion System – lubricating oil system)</p> <p>Crankcase (Crankcase)</p> <p>Cylinder oil lubrication (Cylinder oil lubrication)</p> <p>Lubricating oil cooler (Lubricating oil cooler)</p> <p>Lubricating oil drain tank (Lubricating oil drain tank)</p>		
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<p>Lubricating oil filters (Lubricating oil filters)</p> <p>Lubricating oil fine filters (auto clean) (Lubricating oil fine filters (auto clean))</p> <p>Lubricating oil heater (Lubricating oil heater)</p> <p>Lubricating oil pumps (Lubricating oil pumps)</p> <p>Lubricating oil separator (Lubricating oil separator)</p> <p>Propulsion System – starting air system (Propulsion System – starting air system)</p> <p>Control box / starting air lever (Control box / starting air lever)</p> <p>Cylinder starting air valve (Cylinder starting air valve)</p> <p>Flame trap (Flame trap)</p> <p>Main starting air valve (Main starting air valve)</p> <p>Pilot air (Pilot air)</p> <p>Slow turning valve (Slow turning valve)</p> <p>Starting air (Starting air)</p> <p>Starting air compressor (Starting air compressor)</p> <p>Starting air distributor (Starting air distributor)</p> <p>Starting air drains (Starting air drains)</p> <p>Starting air receiver (Starting air receiver)</p> <p>Starting air relief valve (Starting air relief valve)</p> <p>Starting air safety valve (Starting air safety valve)</p> <p>Working air compressor (Working air compressor)</p> <p>Pumps, valves and piping (Pumps, valves and piping)</p> <p>Ball valve (Ball valve)</p> <p>Bolted flange joints (Bolted flange joints)</p> <p>Butterfly valve (Butterfly valve)</p> <p>Centrifugal pump (Centrifugal pump)</p> <p>Centrifugal pump casing (Centrifugal pump casing)</p> <p>Centrifugal pump Impeller (Centrifugal pump Impeller)</p>		
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<p>Centrifugal pump Shaft (Centrifugal pump Shaft)</p> <p>Flange pipe (Flange pipe)</p> <p>Flange pipe joints (Flange pipe joints)</p> <p>Flange safety shields (Flange safety shields)</p> <p>Flared fittings (Flared fittings)</p> <p>Flareless fittings (Flareless fittings)</p> <p>Gate valve (Gate valve)</p> <p>Globe valve (Globe valve)</p> <p>Hosepipe (Hosepipe)</p> <p>Pipe (Pipe)</p> <p>Pipe fittings (Pipe fittings)</p> <p>Pipe hangers markings (Pipe hangers markings)</p> <p>Pipe markings (Pipe markings)</p> <p>Pipe threaded joints (Pipe threaded joints)</p> <p>Piping (Piping)</p> <p>Pressure-reducing valve (Pressure-reducing valve)</p> <p>Pump (Pump)</p> <p>Relief valve (Relief valve)</p> <p>Remote-operating valve (Remote-operating valve)</p> <p>Safety valve (Safety valve)</p> <p>Silver-brazed joints (Silver-brazed joints)</p> <p>Spring-loaded reducing valve (Spring-loaded reducing valve)</p> <p>Stop-check valve (Stop-check valve)</p> <p>Union fittings (Union fittings)</p> <p>Valve (Valve)</p> <p>Welded joints (Welded joints)</p> <p>Radio communications equipment (Radio communications equipment)</p>		
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	<p>2182 kHz watch receiver (2182 kHz watch receiver)</p> <p>406MHz EPIRB (COSPAS-SARSAT) (406MHz EPIRB (COSPAS-SARSAT))</p> <p>Aeronautical two way VHF radio telephone apparatus (Aeronautical two way VHF radio telephone apparatus)</p> <p>Daylight signalling lamp (Daylight signalling lamp)</p> <p>Distress alarm or alert panel (Distress alarm or alert panel)</p> <p>Distress panel (Distress panel)</p> <p>EGC receiver (EGC receiver)</p> <p>Facilities for reception of marine safety information (Facilities for reception of marine safety information)</p> <p>Fixed survival craft two-way VHF radiotelephone apparatus (Fixed survival craft two-way VHF radiotelephone apparatus)</p> <p>HF Marine safety information (MSI) equipment (HF NBDP receiver) (HF Marine safety information (MSI) equipment (HF NBDP receiver))</p> <p>Homing device (Homing device)</p> <p>INMARSAT ship earth station (INMARSAT ship earth station)</p> <p>Inmarsat-B SES (Inmarsat-B SES)</p> <p>Inmarsat-C SES (Inmarsat-C SES)</p> <p>Inmarsat-F SES (Inmarsat-F SES)</p> <p>L-band EPIRB (Inmarsat) (L-band EPIRB (Inmarsat))</p> <p>MF DSC watch-keeping receiver (MF DSC watch-keeping receiver)</p> <p>MF radio capable of transmitting and receiving DSC and radiotelephony (MF radio capable of transmitting and receiving DSC and radiotelephony)</p> <p>MF/HF DSC watch keeping receiver (MF/HF DSC watch keeping receiver)</p> <p>MF/HF radio capable of transmitting and receiving DSC, NBDP and radiotelephony (MF/HF radio capable of transmitting and receiving DSC, NBDP and radiotelephony)</p> <p>NAVTEX receiver (NAVTEX receiver)</p> <p>Other (Other)</p>		
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	<p>Portable survival craft two-way VHF radiotelephone apparatus (Portable survival craft two-way VHF radiotelephone apparatus)</p> <p>Radar transponder (Radar transponder)</p> <p>Radio reserve source of energy (Radio reserve source of energy)</p> <p>Reserve source of energy (Reserve source of energy)</p> <p>Ship security alert system (Ship security alert system)</p> <p>Two-tone alarm generator (Two-tone alarm generator)</p> <p>VHF DSC watch-keeping receiver (VHF DSC watch-keeping receiver)</p> <p>VHF EPIRB (VHF EPIRB)</p> <p>VHF radio capable of transmitting and receiving DSC and radiotelephony (VHF radio capable of transmitting and receiving DSC and radiotelephony)</p> <p>Safety Navigation equipment (Safety Navigation equipment)</p> <p>9 GHz SAR transponder (SART) (9 GHz SAR transponder (SART))</p> <p>AIS SART equipment (AIS SART equipment)</p> <p>Automatic Identification System (AIS) (Automatic Identification System (AIS))</p> <p>Automatic pilot (Automatic pilot)</p> <p>Automatic radar plotting aid (ARPA) (Automatic radar plotting aid (ARPA))</p> <p>Automatic radar plotting aid (ARPA) for high-speed craft (Automatic radar plotting aid (ARPA) for high-speed craft)</p> <p>Automatic tracking aid (ATA) (Automatic tracking aid (ATA))</p> <p>Automatic tracking aid (ATA) for high speed craft (Automatic tracking aid (ATA) for high speed craft)</p> <p>Bearing Device (Bearing Device)</p> <p>Bridge Navigational Watch Alarm System (BNWAS) (Bridge Navigational Watch Alarm System (BNWAS))</p> <p>Chart facilities for shipborne radar (Chart facilities for shipborne radar)</p> <p>Chayka equipment (Chayka equipment)</p> <p>Combined GPS/GLONASS equipment (Combined GPS/GLONASS)</p>		
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	<p><b>equipment)</b></p> <p><b>Compass for lifeboats and rescue boats (Compass for lifeboats and rescue boats)</b></p> <p><b>D GLONASS Equipment (D GLONASS Equipment)</b></p> <p><b>D GPS Equipment (D GPS Equipment)</b></p> <p><b>Decca navigator equipment (Decca navigator equipment)</b></p> <p><b>Differential beacon receiver for DGPS and DGLONASS Equipment (Differential beacon receiver for DGPS and DGLONASS Equipment)</b></p> <p><b>Direction finder (Direction finder)</b></p> <p><b>Echo sounding device (Echo sounding device)</b></p> <p><b>Electronic charts (ECDIS) (Electronic charts (ECDIS))</b></p> <p><b>Electronic plotting aid (EPA) (Electronic plotting aid (EPA))</b></p> <p><b>Emergency steering position communications/ compass reading (Emergency steering position communications/ compass reading)</b></p> <p><b>Equipment with Long Range Identification and Tracking (LRIT) capability (Equipment with Long Range Identification and Tracking (LRIT) capability)</b></p> <p><b>Galileo Receiver (Galileo Receiver)</b></p> <p><b>GLONASS equipment (GLONASS equipment)</b></p> <p><b>GNSS receiver (GNSS receiver)</b></p> <p><b>GPS equipment (GPS equipment)</b></p> <p><b>Gyro compass (Gyro compass)</b></p> <p><b>Gyro compass for high-speed craft (Gyro compass for high-speed craft)</b></p> <p><b>Heading control system (HCS) (Heading control system (HCS))</b></p> <p><b>Heading control system for high speed craft (Heading control system for high speed craft)</b></p> <p><b>Integrated bridge system (Integrated bridge system)</b></p> <p><b>Integrated navigation system (Integrated navigation system)</b></p> <p><b>Lateral thrust, pitch and mode indicators (Lateral thrust, pitch and mode indicators)</b></p>		
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	<p>Life-saving signals (Life-saving signals)</p> <p>Lights, shapes, sound-signals (Lights, shapes, sound-signals)</p> <p>Loran-C equipment (Loran-C equipment)</p> <p>Magnetic compass (Magnetic compass)</p> <p>Magnetic compass for high speed craft (Magnetic compass for high speed craft)</p> <p>Mechanical pilot hoist (Mechanical pilot hoist)</p> <p>Night vision equipment for high speed craft (Night vision equipment for high speed craft)</p> <p>Other (Other)</p> <p>Propeller revolution indicator (Propeller revolution indicator)</p> <p>Radar (Radar)</p> <p>Radar equipment approved with a chart option - CAT 1 for HSC with Chart option (Radar equipment approved with a chart option - CAT 1 for HSC with Chart option)</p> <p>Radar equipment approved with a chart option - CAT 1 with Chart option (Radar equipment approved with a chart option - CAT 1 with Chart option)</p> <p>Radar equipment approved with a chart option - CAT 2 for HSC with Chart option (Radar equipment approved with a chart option - CAT 2 for HSC with Chart option)</p> <p>Radar equipment approved with a chart option - CAT 2 with Chart option (Radar equipment approved with a chart option - CAT 2 with Chart option)</p> <p>Radar equipment CAT 1 (Radar equipment CAT 1)</p> <p>Radar equipment CAT 2 (Radar equipment CAT 2)</p> <p>Radar equipment CAT 3 (Radar equipment CAT 3)</p> <p>Radar equipment for high speed craft applications (CAT 1H, CAT 2H and CAT 3H) (Radar equipment for high speed craft applications (CAT 1H, CAT 2H and CAT 3H))</p> <p>Radar equipment for high-speed craft (Radar equipment for high-speed craft)</p>		
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	<p>Radar reflector (Radar reflector)</p> <p>Radar target enhancer (Radar target enhancer)</p> <p>Rate-of-turn indicator (Rate-of-turn indicator)</p> <p>Revolution counter (Revolution counter)</p> <p>Rudder angle indicator (Rudder angle indicator)</p> <p>Rudder angle, rpm, pitch indicator (Rudder angle, rpm, pitch indicator)</p> <p>Searchlight for high speed craft (Searchlight for high speed craft)</p> <p>Signalling lamp (Signalling lamp)</p> <p>Simplified voyage data recorder (S-VDR) (Simplified voyage data recorder (S-VDR))</p> <p>Sound reception system (Sound reception system)</p> <p>Speed and distance indicator (Speed and distance indicator)</p> <p>Thrust indicator (Thrust indicator)</p> <p>Track control system (at ship's speed from 30 knots and above) (Track control system (at ship's speed from 30 knots and above))</p> <p>Track control system (working at ship's speed from minimum manoeuvring speed up to 30 knots) (Track control system (working at ship's speed from minimum manoeuvring speed up to 30 knots))</p> <p>Track control system for - high-speed craft (Track control system for - high-speed craft)</p> <p>Transmitting heading device THD (GNSS method) (Transmitting heading device THD (GNSS method))</p> <p>Transmitting heading device THD (Gyroscopic method) (Transmitting heading device THD (Gyroscopic method))</p> <p>Transmitting heading device THD (Magnetic method) (Transmitting heading device THD (Magnetic method))</p> <p>Variable pitch indicator (Variable pitch indicator)</p> <p>Voyage data recorder (VDR) (Voyage data recorder (VDR))</p>		
354	Location of the occurrence	Value list	The geographic area or the place where the casualty or accident occurs.

	<p><b>Internal waters (Internal waters)</b></p> <p>Port area (Port area)</p> <p><b>Channel, river (Channel, river)</b></p> <p><b>Archipelago fairway (Archipelago fairway)</b></p> <p><b>Coastal waters &lt;= 12 nm (Coastal waters &lt;= 12 nm)</b></p> <p><b>Open sea (Open sea)</b></p> <p>N.A. (N.A.)</p> <p><b>Outside EEZ (Outside EEZ)</b></p> <p><b>Within EEZ (Within EEZ)</b></p> <p><b>Inland waters (Inland waters)</b></p> <p>River (River)</p> <p>Channel (Channel)</p> <p>Lake (Lake)</p> <p><b>Repair yard (Repair yard)</b></p> <p><b>Unknown (Unknown)</b></p>		
365	<p>Occurrence severity</p> <p><b>Very serious (Very serious)</b></p> <p><b>Serious (Serious)</b></p> <p><b>Less Serious (Less Serious)</b></p> <p><b>Marine incident (Marine incident)</b></p>	Value list	<p>Very serious casualty to ships is an unwanted event(s) which involves total loss of the ship, or a death or severe pollution.</p> <p>Loss of the ship can be actual or presumed and it includes the 'total loss' and the 'constructive total loss' of the ship. Total loss means that the ship is actually lost at sea or it is completely destroyed, or it is so damaged that the cost of repairs (plus the cost of salvage in case of constructive total loss) would clearly equal or exceed the value of the ship.</p> <p>Severe pollution is damage to the environment which, as evaluated by the coastal State(s) affected or the flag State, as appropriate, produces a major deleterious effect upon the environment, or which would have produced such an effect without preventive action.</p> <p>Very serious occupational accident means event(s) that has resulted in the death of a person within 30 days and as a consequence of the accident.</p>
366	<p>Oil pollution response</p> <p><b>Response to the spill: No action (No action)</b></p>	Value list	<p>Answer to the question if there was an oil pollution response to the casualty.</p>

	<b>Response to the spill: Deliberate no action (Deliberate no action)</b> <b>Response to the spill: Clean-up efforts (Clean-up efforts)</b>		
367	Latitude position (ddmm.mm)	Manual	Latitude is the angular distance on the earth measured in degrees, minutes and centesimal of minute, North or South of Equator, to where the occurrence happened. If the place is not known or the ship is missing could be its latest position known or any other appropriated position
368	Longitude position (ddmm.mm)	Manual	Longitude is the angular distance on the earth measured in degrees, minutes and centesimal of minute, West or East of Greenwich meridian, where the occurrence happened. If the place is not known or the ship is missing could be its latest position known or any other appropriated position
372	Time of casualty (hh:mm)	Manual	Time of the casualty is the local time when the occurrence happened. If it is not known it should be the same time of the notification to the competent authorities or any other time considered appropriated. If the ship is missing could be the last time that the ship communicated or was monitored, or any other time considered appropriated
375	Traffic density <b>Low (Low)</b> <b>Medium (Medium)</b> <b>High (High)</b> <b>Unknown (Unknown)</b>	Value list	Quality information of the number of ships that were in the area where the accident took place. As reference, number of vessels per grid of cell (4x4 miles) or 6-mile range.
377	VDR used	Value list	Answer to the question if the VDR data was used in the investigation.
524	Water under the keel	Manual	Depth of the water under the keel.
529	National Keywords	Manual	A list of words that can be written in the national language used to emphasize relevant features of the accident or to cover national needs.
545	Reminder	Manual	Attribute used as an agenda to control or monitor certain relevant events.
593	National location area <sup>1</sup>	Value list	National location is the geographic sea area or other areas where the casualty occurred according to the national classification

<sup>1</sup> Values for this attribute comprise a full list of sea areas of EU and EEA MS

**A.3 – External environment data**

Id	External Environment Data	Value type	Description
200	Air temperature	Manual	Measure of the heat content of the air when and where the accident takes place.
201	Interaction distance between a ship and a ship or wall	Manual	Interaction distance between a ship and another ship passing by or the walls of a canal, strait, etc, with impact on the accident
202	Speed of the Current or tide <b>0 kt (No current - 0 kt)</b> <b>0 – 3 kt (Low current - 0 - 3 kt)</b> <b>&gt;= 3 kt (Heavy current - &gt;= 3 kt)</b> <b>Unknown (Unknown)</b>	Value list	The speed of the horizontal water movements because of the winds, tides or gravity at the time of the accident.
203	Ice obstructions <b>Solid ice (Solid ice)</b> <b>Open ice (Open ice)</b> <b>Ice channel (Ice channel)</b> <b>Ridged ice (Ridged ice)</b>	Value list	If the navigation is restricted by ice obstructions at the time of the accident.
204	Natural light <b>Daylight (Daylight)</b> <b>Twilight (Twilight)</b> <b>Night (Night)</b> <b>Unknown (Unknown)</b>	Value list	Existence of sun light, as distinct from artificial light, on the Earth at the time of the accident.
205	Sea state <b>0 - Calm glassy - (0 m) (0 - Calm glassy - (0 m))</b> <b>1 - Calm rippled - (0 – 0.1 m) (1 - Calm rippled - (0 – 0.1 m))</b> <b>2 - Smooth - (0.1 – 0.5 m) (2 - Smooth - (0.1 – 0.5 m))</b> <b>3 - Slight - (0.5 – 1.25 m) (3 - Slight - (0.5 – 1.25 m))</b> <b>4 - Moderate - (1.25 – 2.5 m) (4 - Moderate - (1.25 – 2.5 m))</b> <b>5 - Rough - (2.5 – 4 m) (5 - Rough - (2.5 – 4 m))</b>	Value list	System for the classification of the average wave height where the marine casualty occurred.

	<p>6 - Very rough - (4.0 – 6.0 m) (6 - Very rough - (4.0 – 6.0 m))</p> <p>7 - High - (6.0 – 9.0 m) (7 - High - (6.0 – 9.0 m))</p> <p>8 - Very High - (9.0 – 14.0 m) (8 - Very High - (9.0 – 14.0 m))</p> <p>9 - Phenomenal - (+14 m) (9 - Phenomenal - (+14 m))</p> <p>Unknown (Unknown)</p>		
206	<p>Swell direction</p> <p>N – North</p> <p>NNE – North Northeast</p> <p>NE – Northeast</p> <p>ENE – East Northeast</p> <p>E – East</p> <p>ESE – East Southeast</p> <p>SE – Southeast</p> <p>SSE – South Southeast</p> <p>S – South</p> <p>SSW South Southwest</p> <p>SW – Southwest</p> <p>WSW – West Southwest</p> <p>W – West</p> <p>WNW – West Northwest</p> <p>NW – Northwest</p> <p>NNW – North Northwest</p>	Value list	Direction of the long wave on water that moves continuously without breaking at the time of the accident.
207	<p>Visibility</p> <p>Vis &lt; 0.5 nm (Very poor - Vis &lt; 0.5 nm)</p> <p>0.5 &lt;= Vis &lt; 2.0 nm (Poor - 0.5 &lt;=Vis &lt; 2.0 nm)</p> <p>2.0 &lt;= Vis &lt; 5.0 nm (Moderate - 2.0 &lt;=Vis &lt; 5.0 nm)</p> <p>5.0 &lt;= Vis &lt; 25.0 nm (Good - 5.0 &lt;= Vis &lt; 25.0 nm)</p>	Value list	Measure of the distance at which an object or light can be clearly discerned where the marine casualty occurs.

	<b>Vis &gt;= 25.0 nm (Very good - Vis &gt;= 25.0 nm)</b> <b>Unknown (Unknown)</b>		
208	Water temperature	Manual	Measure of the heat content of the water where at the time of the accident.
209	Weather conditions <b>Clear (Clear)</b> <b>Fog (Fog)</b> <b>Overcast (Overcast)</b> <b>Rain (Rain)</b> <b>Snow (Snow)</b> <b>Unknown (Unknown)</b>	Value list	The state of the atmosphere where the accident takes place.
210	Wind direction (cardinal point) <b>See values list for swell direction</b>	Value list	Cardinal direction of the wind at the time of the accident.
211	Wind direction (angle)	Manual	Angle of the direction of the wind at the time of the accident.
212	Wind force <b>0 - Calm - knot (0-1) m/s (0-1) (0 - Calm - knot (0-1) m/s (0-1))</b> <b>1 - Light air - knot (1-3) m/s (1-2) (1 - Light air - knot (1-3) m/s (1-2))</b> <b>2 - Light Breeze - knot (4-6) m/s (2-3) (2 - Light Breeze - knot (4-6) m/s (2-3))</b> <b>3 - Gentle Breeze - knot (7-10) m/s (4-5) (3 - Gentle Breeze - knot (7-10) m/s (4-5))</b> <b>4 - Moderate Breeze - knot (11-16) m/s (6-8) (4 - Moderate Breeze - knot (11-16) m/s (6-8))</b> <b>5 - Fresh Breeze - knot (17-21) m/s (9-11) (5 - Fresh Breeze - knot (17-21) m/s (9-11))</b> <b>6 - Strong Breeze - knot (22-27) m/s (11-14) (6 - Strong Breeze - knot (22-27) m/s (11-14))</b> <b>7 - Near Gale - knot (28-33) m/s (14-17) (7 - Near Gale - knot (28-33) m/s (14-17))</b> <b>8 - Gale - knot (34-40) m/s (17-21) (8 - Gale - knot (34-40) m/s (17-21))</b> <b>9 - Strong Gale - knot (41-47) m/s (21-24) (9 - Strong Gale - knot (41-47) m/s (21-24))</b>	Value list	An empirical measure for describing wind speed based mainly on observed sea conditions (Beaufort scale).

	<p>10 - Storm - knot (48-55) m/s (25-28) (10 - Storm - knot (48-55) m/s (25-28))</p> <p>11 - Violent Storm - knot (56-63) m/s (29-32) (11 - Violent Storm - knot (56-63) m/s (29-32))</p> <p>12 - Hurricane - knot (+64) m/s (+33) (12 - Hurricane - knot (+64) m/s (+33))</p> <p>Beaufort scale: Unknown (Beaufort scale: Unknown)</p>		
335	Wave length	Manual	It is the distance between repeating units of a propagating wave of a given frequency.
523	Swell direction (angle)	Manual	Angle of the swell direction at the time of the accident.
4199	Ice thickness	Manual	
4200	Warm climates	Value list	
4224	Wave height	Manual	



## B. FACTUAL INFORMATION

### B.1 – Ship particulars

Id	Ship Particulars	Value type	Description
425	Bollard pull	Manual	The static pull in metric tonnes that a tug is able to employ in operating conditions.
427	Breadth of the ship	Manual	The breadth is the maximum breadth of the ship, measured amidships to the moulded line of the frame in a ship with a metal shell and to the outer surface of the hull in a ship with a shell of any other material.
428	Name of the shipyard	Manual	The name of the yard where the ship was built or was submitted to a major conversion.
429	Vessel call sign	Manual	The International Radio Call Sign allocated to ships on the basis of their nationality.
430	Classification Society List of Classification Societies	Value list	The organization that establishes and applies technical standards in relation to the design, construction and survey of marine related facilities including ships and offshore structures on behalf of the flag state when the casualty occurred.
431	Classification Society (ISM) List of Classification Societies	Value list	Classification Society of the ship for ISM matters when the casualty occurred.
432	Company identification number	Manual	Company unique identification number of the ship when the casualty occurred.
433	Company name	Manual	The name of the owner of the ship or any other organization or person such as the manager, or the bareboat charterer, who has assumed the responsibility for operation of the ship from the owner of the ship and who on assuming such responsibility has agreed to take over all the duties and responsibilities imposed by the International Safety Management Code when the casualty occurred.
434	Date keel laid	Manual	It is the date when the keel was put down or is at a similar stage of construction for the purpose of the application of international legislation.
435	Deadweight (Dwt)	Manual	Deadweight is the difference in tonnes between the displacement of a ship in water of a specific gravity of 1.025 at the load waterline corresponding to the assigned summer freeboard and the lightweight of the ship. Note: lightweight is the displacement of a ship in tonnes without cargo, fuel, lubricating oil, ballast water, fresh water and feed water in tanks, consumable stores, and passengers and crew and their effects.
439	Displacement	Manual	The maximum displacement of the ship measured in metric tonnes. If International

			<p>Convention on Load Lines, 1966 applies it will be the displacement in salt water at summer load waterline.</p> <p>Note: in a ship with a metal shell, the volume of the moulded displacement of the ship, excludes appendages, and, in a ship with a shell of any other material is the volume of displacement to the outer surface of the hull, both cases taken at the moulded draught.</p>
440	Maximum draught of the ship	Manual	<p>The moulded draught is one of the following draughts:</p> <p>a) for ships to which the International Convention on Load Lines in force applies, the draught corresponding to the Summer Load Line (other than timber load lines) assigned in accordance with that Convention;</p> <p>b) for passenger ships, the draught corresponding to the deepest subdivision load line assigned in accordance with the International Convention for the Safety of Life at Sea in force or other international agreement where applicable;</p> <p>c) for ships to which the International Convention on Load Lines does not apply but which have been assigned a load line in compliance with national requirements, the draught corresponding to the summer load line so assigned;</p> <p>d) for ships to which no load line has been assigned but the draught of which is restricted in compliance with national requirements, the maximum permitted draught;</p> <p>For other ships, 75 per cent of the moulded depth amidships.</p>
441	Flag State List of countries of the world	Value list	The flag of the State that the ship is entitled to fly when the casualty occurred
442	Freeboard of the ship	Manual	It is the minimum freeboard assigned. It is the distance measured vertically downwards amidships from the upper edge of the deck line to the upper edge of the related summer load line, if LL 66 Convention applies, or related to the maximum load line in the other cases.
444	Gross tonnage (GT)	Manual	The measure of the overall size of a ship determined in accordance with the regulations of the Annex I of the International Convention on Tonnage Measurement of Ships, 1969, or if not applicable, according to other rules.
446	Hull construction Hull: Single hull (Single hull) Hull: Double hull (Double hull) Hull: Double bottom (Double bottom) Hull: Double sides (Double sides)	Value list	The classification of ship based on the protection degree of the cargo spaces according to the applicable legislation.

	<b>Hull: Mid deck (Mid deck)</b> <b>Hull: Other (Other)</b>		
448	Hull material of the vessel <b>Material: Aluminium alloy (Aluminium alloy)</b> <b>Material: Composite materials (Composite materials)</b> <b>Material: Ferro cement (Ferro cement)</b> <b>Material: GRP (GRP)</b> <b>Material: Steel (Steel)</b> <b>Material: Wood (Wood)</b> <b>Wooden ship of primitive construction (Wood - Primitive built)</b> <b>Material: Other (Other)</b>	Value list	The material used for the ship hull construction.
449	Hull number	Manual	Registry number given by the shipyard where the ship was built or submitted to a major conversion.
451	IMO number	Manual	Number with seven digits assigned according to the IMO ship identification number scheme.
452	Length between perpendiculars	Manual	<p>a) The length (L) shall be taken as 96% of the total length on a waterline at 85% of the least moulded depth measured from the top of the keel, or as the length from the fore side of the stem to the axis of the rudder stock on that waterline, if that be greater.</p> <p>b) For ships without a rudder stock, the length (L) is to be taken as 96% of the waterline at 85% of the least moulded depth.</p> <p>c) Where the stem contour is concave above the waterline at 85% of the least moulded depth, both the forward terminal of the total length and the fore-side of the stem respectively shall be taken at the vertical projection to that waterline of the aftermost point of the stem contour (above that waterline) (see figure 3.1).</p> <p>d) In ships designed with a rake of keel the waterline on which this length is measured shall be parallel to the designed waterline at 85% of the least moulded depth <math>D_{min}</math>, found by drawing a line parallel to the keel line of the vessel (including skeg) tangent to the moulded sheer line of the freeboard deck. The least moulded depth is the vertical distance measured from the top of the keel to the top of the freeboard deck beam at side at the point of tangency (see figure 3.2).</p>

454	Length overall	Manual	Length overall (Loa) of a vessel means the centreline longitudinal distance measured between the fore part of the uppermost end of the stem to the aft side of the aftermost permanent structure of the ship, not including guards or rubbing strakes, spars, platforms, outboard motors, Z-drives, jet drives, or transom-hung rudders, but including any additional enclosed hull volume that is to be added to the hull in the form of detachable or fixed volumes such as blisters, sponsons.
459	Maximum number people permitted	Manual	Maximum number of people (crew + passengers + others) permitted on board.
461	MMSI number	Manual	Maritime Mobile Service Identity MMSI, sometimes called a "DSC number", is a 9-digit code programmed into certain types of radio equipment. It's a standardized number to identify the vessel and provides a uniform way for authorities to get information about a vessel during a distress incident.
462	Moulded depth of the ship	Manual	<p>a) The moulded depth is the vertical distance measured from the top of the keel to the top of the freeboard deck beam at side. In wood and composite ships the distance is measured from the lower edge of the keel rabbet. Where the form at the lower part of the midship section is of a hollow character, or where thick garboards are fitted, the distance is measured from the point where the line of the flat of the bottom continued inwards cuts the side of the keel.</p> <p>b) In ships having rounded gunwales, the moulded depth shall be measured to the point of intersection of the moulded lines of deck and sides, the lines extending as though the gunwale were of angular design.</p> <p>Where the freeboard deck is stepped and the raised part of the deck extends over the point at which the moulded depth is to be determined, the moulded depth shall be measured to a line of reference extending from the lower part of the deck along a line parallel with the raised part.</p>
463	Name of the ship	Manual	It is the name of the ship when the casualty occurred. In case of not known or not existent use the word unnamed
465	Total number of main engines	Manual	The total number of main engines used to propel the ship.
466	Total number of propellers or jets	Manual	The total number of propellers or jets
	Type of propeller <b>Propeller – fixed pitch</b> <b>Propeller – variable pitch</b> <b>Propeller – self pitching</b> <b>Contra-rotating propeller</b>	Value list	The type of the propeller of the vessel

	<b>Voith Schneider propeller</b> <b>Folding sail-drive yacht propeller</b> <b>Azimuth thrusters</b> <b>Podded propeller</b> <b>Water Jet</b> <b>Air propeller</b>		
467	Number of crew	Manual	Number of crew members according to the manning certificate or other type of official document.
468	Number of hulls <b>Hull: Monohull - One hull (Monohull - One hull)</b> <b>Hull: Catamaran - 2 hulls (Catamaran - 2 hulls)</b> <b>Hull: Trimaran - 3 hulls (Trimaran - 3 hulls)</b> <b>Hull: Other - More than 3 (Other - More than 3)</b>	Value list	Total number of independent hulls or keels of a craft.
470	Number of passengers permitted	Manual	Maximum number of passengers permitted on board. A passenger is every person other than: (i) the master and the members of the crew or other persons employed or engaged in any capacity on board a ship on the business of that ship; and (ii) a child under one year of age.
471	Owner identification number	Manual	The registered owner's unique identification number of the ship when the casualty occurred.
472	Owner name	Manual	The name of the registered company, organisation or person listed as the ship owner in the certificate of registry or other official document of the ship when the casualty occurred.
473	Polar class <b>Class PC 1 - Year-round operation in all Arctic or Antarctic ice-covered waters (Class PC 1 - Year-round operation in all Arctic or Antarctic ice-covered waters)</b> <b>Class PC 2 - Year-round operation in moderate multi-year ice conditions (Class PC 2 - Year-round operation in moderate multi-year ice conditions)</b> <b>Class PC 3 - Year-round operation in second-year ice which may include multi-year ice inclusions (Class PC 3 - Year-round operation in second-year ice which may include multi-year ice inclusions)</b>	Value list	Class assigned to a ship based upon IACS Unified Requirements.

	<p><b>Class PC 4 - Year-round operation in thick first-year ice which may include old ice inclusions (Class PC 4 - Year-round operation in thick first-year ice which may include old ice inclusions)</b></p> <p><b>Class PC 5 - Year-round operation in medium first-year ice which may include old ice inclusion (Class PC 5 - Year-round operation in medium first-year ice which may include old ice inclusion)</b></p> <p><b>Class PC 6 - Summer/Autumn operation in medium first-year ice which may include old ice inclusions (Class PC 6 - Summer/Autumn operation in medium first-year ice which may include old ice inclusions)</b></p> <p><b>Class PC 7 - Summer/Autumn operation in thin first-year ice with which may include old ice inclusions (Class PC 7 - Summer/Autumn operation in thin first-year ice with which may include old ice inclusions)</b></p>		
474	Port of registry <sup>1</sup>	Manual	It is the port of a State where the ship is registered.
475	Previous CS List of Classification Societies	Value list	The former Classification Society of the ship for “safety matters”.
476	Previous flag List of countries of the world	Value list	The former flag State of the ship.
477	Previous name of ship	Manual	Her former name.
479	<p>Propulsion type</p> <p><b>Internal combustion engine</b></p> <p><b>Internal combustion/Electric engine</b></p> <p><b>Electrical engine</b></p> <p><b>Gas turbine</b></p> <p><b>Pump jet</b></p> <p><b>Sail</b></p> <p><b>Sail/Internal combustion engine</b></p> <p><b>Not propelled</b></p> <p><b>Oars/paddles</b></p>	Value list	The classification of ship according to the energy used by propulsion system to propel the ship through the water.

<sup>1</sup> Values for this attribute comprise a list of ports around the world

	<b>Others</b>		
	<p>Type of fuel</p> <p><b>Fuel oil</b></p> <p>    <b>MGO (Marine Gas Oil )</b></p> <p>    <b>MDO (Marine diesel oil)</b></p> <p>    <b>IFO (Intermediate Fuel Oil)</b></p> <p>    <b>MFO (Marine Fuel Oil)</b></p> <p>    <b>HFO (Heavy Fuel Oil )</b></p> <p><b>Gasoline</b></p> <p><b>Biodiesel</b></p> <p><b>Biogas</b></p> <p><b>CNG</b></p> <p><b>Di-Methyl Ether (DME)</b></p> <p><b>Electrical energy</b></p> <p><b>Ethanol</b></p> <p><b>Hydrogen</b></p> <p><b>LNG</b></p> <p><b>LPG</b></p> <p><b>Methanol</b></p> <p><b>Nuclear</b></p> <p><b>Wind</b></p>	Value list	The type of fuel used
480	National registry number	Manual	National distinctive letters/numbers that identifies the ship, e.g. the number of the national registry or national official number.
482	Service speed of the ship	Manual	The maximum ahead speed which the ship is designed to maintain in service at sea at the deepest seagoing draught.
483	State of the shipyard List of countries of the world	Value list	State of the shipyard where the ship was built or submitted to a major conversion.
484	TEU	Manual	TEU means "Twenty-foot Equivalent Unit" it is defined as a volume equivalent to that occupied by one ISO twenty-foot container. External Dimensions: Length 20' x Width 8' x Height 8'6" (6.1m x 2.4m x 2.6m) Note: The position of a container on a ship are expressed by three co-ordinates

			<p>indicating : Bay -- Row -- Tier</p> <p>Bays are numbered lengthwise from bow to stern with odd numbers for 20' containers and even numbers for 40' containers. The even number between two 20' containers is used to define 40' bays.</p> <p>Rows are numbered from centreline to portside with even numbers and from centreline to starboard with odd numbers. The container row stowed on the centreline is marked 00.</p> <p>Tiers, under deck containers are numbered vertically upwards with even numbers from bottom to top. The bottom row will be 02, except where as a result of the hull contour, the bottom of an adjacent row is at a higher level. In case of two half heights the bottom ones are to be numbered by an odd number.</p> <p>On deck, stowage is indicated by code key 8 followed by an even number sequence numbered from the deck upwards.</p>
485	Total propulsion power	Manual	The maximum continuous rated output power in kW of the ship's main propulsion machinery on board which appears on the ship's certificate of registry or other official document.
488	<p>Type of freeboard</p> <p>LL Convention (A)</p> <p>LL Convention (B)</p> <p>LL Convention* (B reduced)</p> <p>LL Convention (B increased)</p> <p>The assigned freeboard isn't under LL Convention (Other)</p>	Value list	The classification of ship according to the freeboard computation, mainly ships covered by LL 66 Convention.
489	<p>Type of the major conversion</p> <p>Substantially alters the dimensions or carrying capacity of the ship (Class 1)</p> <p>Changes the type of the ship (Class 2)</p> <p>In the opinion of the Administration is substantially to prolong its life of the ship (Class 3)</p> <p>Alters the ship that, if it were a new ship, it would become subject to relevant provisions of the International Conventions or national legislation, not applicable to it as an existing ship (Class 4)</p> <p>If the type a major conversion is unknown (Unknown)</p>	Value list	A conversion or an alteration or modification that changes substantially the characteristics of the ship.



<p>490</p>	<p>Type of the ship or craft</p> <p><b>Cargo ship (Cargo ship)</b></p> <p>    <b>Liquid Cargo (Liquid Cargo)</b></p> <p>        <b>Chemical tanker (Chemical tanker)</b></p> <p>            Type 1 (Type 1)</p> <p>            Type 2 (Type 2)</p> <p>            Type 3 (Type 3)</p> <p>        <b>Combination carrier (Combination carrier)</b></p> <p>        <b>Liquified gas tanker (Liquified gas tanker)</b></p> <p>            <b>LNG (LNG)</b></p> <p>                Type 1G (Type 1G)</p> <p>                Type 2G (Type 2G)</p> <p>                Type 2PG (Type 2PG)</p> <p>                Type 3G (Type 3G)</p> <p>            <b>LPG (LPG)</b></p> <p>                Type 1G (Type 1G)</p> <p>                Type 2G (Type 2G)</p> <p>                Type 2PG (Type 2PG)</p> <p>                Type 3G (Type 3G)</p> <p>        <b>Oil tanker (Oil tanker)</b></p> <p>            Crude oil (Crude oil)</p> <p>            Product carrier (Product carrier)</p> <p>        <b>Tanker (liquid non-flammable) (Tanker (liquid non-flammable))</b></p> <p>    <b>Solid Cargo (Solid Cargo)</b></p> <p>        Barge (Barge)</p> <p>        Bulk Carrier (Bulk Carrier)</p> <p>        Container Ship (Container Ship)</p> <p>        General Cargo (General Cargo)</p>	<p>Value list</p>	<p>It is the classification of the ship or craft according to ship main general activity.</p>
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	<p>Heavy load carrier (Heavy load carrier)</p> <p>Pontoon (Pontoon)</p> <p>Refrigerated Cargo (Refrigerated Cargo)</p> <p>Ro-Ro Cargo (Ro-Ro Cargo)</p> <p>Other (Other)</p> <p>Fishing vessel (Fishing vessel)</p> <p>Dredger (Dredger)</p> <p>Gillnetter (Gillnetter)</p> <p>Liner (Liner)</p> <p>Multipurpose (Multipurpose)</p> <p>    Seiner-Handliner (Seiner-Handliner)</p> <p>    Trawler-Purse seiner (Trawler-Purse seiner)</p> <p>    Other multipurpose (Other multipurpose)</p> <p>Potter (Potter)</p> <p>Seiner (Seiner)</p> <p>    Danish seiner (Danish seiner)</p> <p>    Purse seiner (Purse seiner)</p> <p>    Seiner netters (Seiner netters)</p> <p>    Tuna purse seiners (Tuna purse seiners)</p> <p>    Other seiner (Other seiner)</p> <p>Trawler (Trawler)</p> <p>    Beam (Beam)</p> <p>    Pair (Pair)</p> <p>    Side (Side)</p> <p>    Stern (Stern)</p> <p>    Other trawler (Other trawler)</p> <p>Other (Other)</p>		
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<p><b>Fixed offshore drilling units (Fixed offshore drilling units)</b></p> <p><b>Passenger ship (Passenger ship)</b></p> <p>    <b>Only passenger (Only passenger)</b></p> <p>        Class A (Class A)</p> <p>        Class B (Class B)</p> <p>        Class C (Class C)</p> <p>        Class D (Class D)</p> <p>        International (International)</p> <p>        Port or internal waters (Port or internal waters)</p> <p>    <b>Passenger and general cargo (Passenger and general cargo)</b></p> <p>        Class A (Class A)</p> <p>        Class B (Class B)</p> <p>        Class C (Class C)</p> <p>        Class D (Class D)</p> <p>        International (International)</p> <p>        Port or internal waters (Port or internal waters)</p> <p>    <b>Passenger and Ro-Ro cargo (Passenger and Ro-Ro cargo)</b></p> <p>        Class A (Class A)</p> <p>        Class B (Class B)</p> <p>        Class C (Class C)</p> <p>        Class D (Class D)</p> <p>        International (International)</p> <p>        Port or internal waters (Port or internal waters)</p> <p><b>Recreational craft (Recreational craft)</b></p> <p>    Gondolas / pedalos (Gondolas / pedalos)</p> <p>    Canoe/Kayak (Canoe/Kayak)</p> <p>    Rowboat (Rowboat)</p>		
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<p><b>Inflatable (Inflatable)</b></p> <p><b>Pontoon boat (Pontoon boat)</b></p> <p><b>Houseboat (Houseboat)</b></p> <p><b>Permanent installed inboard engine for secondary propulsion (Sailboat (aux. motor))</b></p> <p><b>Sailboat (sail only) (Sailboat (sail only))</b></p> <p><b>Motorboat (Motorboat)</b></p> <p><b>powered surfboards, personal watercraft and other similar powered craft (Personal watercraft)</b></p> <p><b>Sailing surfboards (Sailing surfboards)</b></p> <p><b>Original and individual replicas designed before 1950 (Historical craft)</b></p> <p><b>Other craft (Other craft)</b></p> <p><b>Service ship (Service ship)</b></p> <p><b>Dredger (Dredger)</b></p> <p><b>Factory ship (Factory ship)</b></p> <p><b>Floating platform (Floating platform)</b></p> <p><b>FPSO/FSU (FPSO/FSU)</b></p> <p><b>Ice breaker (Ice breaker)</b></p> <p><b>MODU (MODU)</b></p> <p><b>Multi-purpose (Multi-purpose)</b></p> <p><b>Offshore supply ship (Offshore supply ship)</b></p> <p><b>Other offshore ship (Other offshore ship)</b></p> <p><b>Research ship (Research ship)</b></p> <p><b>SAR craft (SAR craft)</b></p> <p><b>Special purpose ship (Special purpose ship)</b></p> <p><b>Tug (Towing/Pushing) (Tug (Towing/Pushing))</b></p> <p><b>Other (Other)</b></p> <p><b>Inland waterway vessel (Inland waterway vessel)</b></p>		
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	<b>Barge (Barge)</b> <b>Floating equipment (Floating equipment)</b> <b>Floating establishment (Floating establishment)</b> <b>Floating Installation (Floating Installation)</b> <b>Passenger (Passenger)</b> <b>Pusher (Pusher)</b> <b>Recreational craft (Recreational craft)</b> <b>Tanquer (Tanquer)</b> <b>Tug (Tug)</b> <b>Worksite craft (Worksite craft)</b> <b>Other (Other)</b> <b>Navy ship (Navy ship)</b> <b>Submersible (Submersible)</b> <b>Unknown (Unknown)</b> <b>WIG (WIG)</b> <b>Type A (Type A)</b> <b>Type B (Type B)</b> <b>Type C (Type C)</b>		
492	Unattended machinery space	Value list	Information if the propulsion machinery space is controlled and monitored from the bridge and engineers do not maintain surveillance watch duties in those spaces.
496	Year of major conversion	Manual	The year of completion of the major conversion.
525	<b>Additional type of ship</b> <b>Displacement (Displacement)</b> <b>HSC (HSC)</b> <b>ACV (ACV)</b> <b>Category A (Category A)</b> <b>Category B (Category B)</b>	Value list	Additional classification of the type of ship according to the displacement mode.

	<p><b>Other (Other)</b></p> <p><b>Hydrofoil (Hydrofoil)</b></p> <p><b>Category A (Category A)</b></p> <p><b>Category B (Category B)</b></p> <p><b>Other (Other)</b></p> <p><b>SES (SES)</b></p> <p><b>Category A (Category A)</b></p> <p><b>Category B (Category B)</b></p> <p><b>Other (Other)</b></p> <p><b>Other (Other)</b></p> <p><b>Category A (Category A)</b></p> <p><b>Category B (Category B)</b></p> <p><b>Other (Other)</b></p> <p><b>Unknown (Unknown)</b></p>		
546	Registered length	Manual	Length defined according the national rules for registry purposes.
4230	<p>Ship's boat</p> <p><b>Fast rescue</b></p> <p><b>Lifeboat</b></p> <p><b>Rescue</b></p> <p><b>Tender</b></p> <p><b>Other</b></p>	Value list	
4258	Owned or operated by a Member State and used only on government non-commercial service	Value list	Owned or operated by a Member State authority, organization or agency, and used only on government non-commercial service

**B.2 – Recreational craft particulars**

Id	Recreational craft	Value type	Description
23	Recreational craft activity <b>Recreational (Recreational)</b> Recreational fishing (Recreational fishing) Fishing tournament (Fishing tournament) Hunting (Hunting) Racing (Racing) Waterskiing or tubing (Waterskiing or tubing) White-water sports - Rafting, canyoning, etc (White-water sports - Rafting, canyoning, etc) Swimming or diving off boat (Swimming or diving off boat) Fueling (Fueling) Test/trial (Test/trial) Cooking (Cooking) Repair/maintenance (Repair/maintenance) Other (Other) Unknown (Unknown)	Value list	Several types of the activity of a recreational craft.
424	Auxiliary propulsion (see Primary means of propulsion)	Value list	Vessel- Auxiliary propulsion
426	Brand name of the craft	Manual	It is the name given to a product/recreational craft usually its trade name.
436	Deck <b>Decked (Decked)</b> Partly decked (Partly decked) Open (Open)	Value list	Information of how complete the deck of the recreational craft is. It can be decked (if it is complete over its length), partly decked and open.
437	Design category <b>A - Ocean (A - Ocean)</b>	Value list	The categories defined in the Directives 94/25 and 2003/44/EC of the European Parliament and of the Council.

	<b>B - Offshore (B - Offshore)</b> <b>C - Inshore (C - Inshore)</b> <b>D - Sheltered waters (D - Sheltered waters)</b> <b>Other (Other)</b>		
438	Directive 94/25 compliance	Value list	Attribute informing if the recreational craft is complying with the construction requirements of the Directive 94/25 and its amendments.
445	Hull breadth	Manual	The maximum breadth of the craft, measured to the moulded line of the frame in a craft with a metal shell and to the outer surface of the hull in a ship with a shell of any other non-metallic material.
447	Hull identification number	Manual	The distinctive letters and numbers (15 includes a hyphen) marked on the recreational craft hull with the following information: country of manufacture (2), manufacturer's identification code (3), unique serial number (5), year and month of manufacture (2) and model year (2).
450	Hull shape type <b>Flat bottom (Flat bottom)</b> <b>Vee bottom (Vee bottom)</b> <b>Round bottom (Round bottom)</b> <b>More than one shape (More than one shape)</b> <b>Unknown (Unknown)</b>	Value list	The hull or bottom shape of a recreational craft is the several different forms that influence the performance characteristics and its handling.
453	Length of the hull	Manual	The overall length from the foreside of the foremost fixed permanent structure to the aft side of the aftermost fixed permanent structure of the craft.
455	Manufacturer's name	Manual	The name of an enterprise or an entity or his authorized representative that manufacture the recreational craft being responsible for the compliance of applicable requirements.
456	Max. nr. of persons	Manual	Vessel- Max. nr. of persons
457	Maximum engine power	Manual	Vessel- Maximum engine power
458	Maximum load	Manual	Vessel- Maximum load
460	Maximum speed	Manual	Maximum speed of the recreational craft
469	Number of masts	Value list	It is the number of masts of a sailing recreational craft.



478	Primary means of propulsion <b>Propeller (Propeller)</b> <b>Sail (Sail)</b> <b>Water jet (Water jet)</b> <b>Kite (Kite)</b> <b>Air thrust (Air thrust)</b> <b>Manual (Manual)</b> <b>Oars (Oars)</b> <b>Paddles (Paddles)</b> <b>Other (Other)</b>	Value list	Vessel- Primary means of propulsion
481	Sail area	Manual	The maximum area of all sails that can be installed simultaneously on board of a recreational craft.
486	Type of displacement <b>Displacement (Displacement)</b> <b>Non-displacement mode (Non-displacement mode)</b> <b>Planing (Planing)</b> <b>SES (SES)</b> <b>ACV (ACV)</b> <b>Hydrof. Operation (Hydrof. Operation)</b> <b>Other (Other)</b> <b>Unknown (Unknown)</b>	Value list	Indicates if the recreational craft is designed to support its weight only by its buoyancy or for a certain speed it is able to lift out of the water and planing over the surface to a greater or lesser degree.
487	Type of engine <b>Outboard (Outboard)</b> <b>Inboard (Inboard)</b> <b>Z or sterndrive (lift) (Z or sterndrive (lift))</b> <b>Other (Other)</b>	Value list	Type of the engine of a recreational craft.
491	Number or type	Manual	Vessel- Number or type
493	Unlade craft weight	Manual	Light weight of the craft according to ISO 8666.

494	Waterline length	Manual	The maximum longitudinal distance measured at the recreational craft waterline.
495	Year of build	Manual	The year when the ship was delivered.

### B.3 – Voyage particulars

Id	Voyage particulars	Value type	Description
19	Number of days from departure	Manual	Number of days from departure until the date of the accident.
388	Crew number	Manual	Ranks/crew of Voyage Particulars- Crew number
389	Rank <b>Assistant/Cadet (Assistant/Cadet)</b> <b>Chief engineer officer (Chief engineer officer)</b> <b>Chief mate (Chief mate)</b> <b>Deck officer (Deck officer)</b> <b>Electro-technical officer (Electro-technical officer)</b> <b>Engineer officer (Engineer officer)</b> <b>Fishing vessel rating (Fishing vessel rating)</b> <b>Hotel service staff (Hotel service staff)</b> <b>Master (Master)</b> <b>Other crew member (Other crew member)</b> <b>Pilot (Pilot)</b> <b>Radio operator (Radio operator)</b> <b>Rating (Rating)</b> <b>Rating as able seafarer deck (Rating as able seafarer deck)</b> <b>Rating as able seafarer engine (Rating as able seafarer engine)</b> <b>Rating electro-technical (Rating electro-technical)</b> <b>Rating part of engine-room watch (Rating part of engine-room watch)</b> <b>Rating part of navigational watch (Rating part of navigational watch)</b> <b>Second engineer officer (Second engineer officer)</b> <b>Skipper (Skipper)</b> <b>Other non-crew member (Other non-crew member)</b> <b>Unknown (Unknown)</b>	Manual	Ranks/crew of Voyage Particulars- Rank

497	<p>Cargo information</p> <p><b>Solid cargo (Solid cargo)</b></p> <p>    <b>Containers (Containers)</b></p> <p>    <b>Dry bulk (Dry bulk)</b></p> <p>    <b>Fish in bulk (Fish in bulk)</b></p> <p>    <b>General cargo (General cargo)</b></p> <p>    <b>Roll-on/Roll-off (Roll-on/Roll-off)</b></p> <p><b>Liquid cargo (Liquid cargo)</b></p> <p>    <b>Chemicals (Chemicals)</b></p> <p>    <b>Liquefied gas (Liquefied gas)</b></p> <p>    <b>Oil (Oil)</b></p> <p>    <b>Other liquid (Other liquid)</b></p> <p><b>Other cargo (Other cargo)</b></p> <p><b>Unknown (Unknown)</b></p>	Value list	Voyage Particulars - Cargo information
498	Commercial voyage	Value list	Information if the ship was in a commercial voyage when the casualty occurred
499	Deadweight (voyage)	Manual	<p>Deadweight is the difference in tonnes between the displacement of the ship in water of a specific gravity of 1.025 at the waterline of the voyage and the lightweight of the ship.</p> <p>Note: lightweight is the displacement of a ship in tonnes without cargo, fuel, lubricating oil, ballast water, fresh water and feed water in tanks, consumable stores, and passengers and crew and their effects.</p>
500	Displacement (voyage)	Manual	Displacement of the ship in water of a specific gravity of 1.025 at the waterline of the voyage.
501	Draught (voyage)	Manual	It is the moulded draught of the ship for the voyage which means the vertical distance amidships between the waterline and the baseline.
502	<p>Last voyage type</p> <p><b>Voyage: Internal waters (Internal waters)</b></p> <p><b>Voyage: Coastal (Coastal)</b></p> <p><b>Voyage: International (International)</b></p>	Value list	The type of the last voyage before the one of the accident.

	<b>Voyage: Short international (Short international)</b> <b>Voyage: Inland waters (Inland waters)</b> <b>Voyage: Other (Other)</b> <b>Unknown (Unknown)</b>		
503	Undermanned	Value list	The crew is not adequate, in terms of size and qualifications, to ensure the safety and security of the ship and its personnel, under all operating conditions, in accordance with the minimum safe manning document or an equivalent issued by the competent authority, and to comply with the standards of this Convention.
504	Number of nationalities on board	Manual	The number of different nationalities on board when the accident occurred.
505	Number of crewmembers (voyage)	Manual	Number of crewmembers on board during the voyage.
506	Number of other people (voyage)	Manual	Number of other people during the voyage.
507	Number of passengers (voyage)	Manual	Number of passengers on board during the voyage.
508	Port of departure <sup>1</sup>	Value list	The last port of call visited by the ship before the ship casualty. The ports are organized by country.
509	Port of destination <sup>2</sup>	Value list	The port of call to which the ship had planned voyage before the casualty. The ports are organized by country.
510	Quantities per cargo	Manual	Voyage Particulars - Quantities per cargo
511	Train of craft <b>Train of craft: Rigid (Rigid)</b> <b>Rigid: Pushed train (Pushed train)</b> <b>Rigid: Breasted-up formation (Breasted-up formation)</b> <b>Train of craft: Towed (Towed)</b>	Value list	An assembly of one or more craft, floating establishments or floating installations towed by one or more self-propelled craft forming part of the train.
513	Voyage type <b>See list of values same as 'Last Voyage Type'</b>	Value list	Type of voyage for which the ship is engaged according with her statutory certificates.
514	Watch system <b>Watch system: 6 on 6 off (6 on 6 off)</b> <b>Watch system: 4 on 8 off (4 on 8 off)</b>	Value list	It is a watch schedule method of assigning regular periods of work duty aboard ships allowing the ship's crew to effectively operate the ship 24 hours a day for the duration of long voyages or operations.

<sup>1,2</sup> Values for this attribute comprise a list of ports around the world

	<b>Watch system: other (Other)</b>		
515	Working language See list of values for 'Language'	Value list	Language used on-board for communication and work, determined by the company or the master, as appropriate, and recorded in the ship's log-book.

## B.4 – Ship casualty data

Id	Casualty Data - Ship	Value type	Description
11	Casualty severity for the ship <b>Very serious (Very serious)</b> <b>Serious (Serious)</b> <b>Less Serious (Less Serious)</b> <b>Marine incident (Marine incident)</b>	Value list	The same as for the severity of the occurrence, in this case is the severity of the outcome for each of the ships involved in the accident.
12	Consequences	Value list	Casualty data- Consequences
13	Damage to the ship	Value list	Damage sustained by the ship or her equipment, including any kind of equipment breakdown. N/A will be the case of a marine incident.
14	Did the ship sink?	Value list	Information if the ship sink or not. The logical answer to the question does not imply the loss of the ship. Should be “Yes” even if the ship was recovered. Should be “N/A” in the case of a marine incident.
15	Draught after the casualty	Manual	Casualty data- Draught after the casualty
17	Marine pollution (bunkers, etc)	Value list	Marine pollution by the bunkers of the ship as a consequence of the casualty. N/A will be the case of a marine incident.
18	Pollution (cargo)	Value list	Marine caused by the cargo of the ship as a consequence of the accident.
20	Number of watch keepers on the bridge	Manual	Number of watch keepers on the bridge at the time of the accident
21	Was the pilot on board?	Value list	Answer to the question if the pilot was on board when the accident occurred. Not applicable will be when the pilot does not need to be on board.
22	Place on board <b>Accommodation (Accommodation)</b> <b>Bathroom, shower, toilet (Bathroom, shower, toilet)</b> <b>Cabin space - crew (Cabin space - crew)</b> <b>Cabin space - passengers (Cabin space - passengers)</b> <b>Casino (Casino)</b>	Value list	Place(s) or compartment(s) on board the ship affected by the casualty or accident.

<p>Corridor (Corridor)</p> <p>Elevator/Lift (Elevator/Lift)</p> <p>Galley spaces (Galley spaces)</p> <p>Gymnasium (Gymnasium)</p> <p>Hospital/Clinic (Hospital/Clinic)</p> <p>Laundry (Laundry)</p> <p>Mess room, dayroom (Mess room, dayroom)</p> <p>Provision room (Provision room)</p> <p>Restaurant/Bar (Restaurant/Bar)</p> <p>Stairway/Ladders (Stairway/Ladders)</p> <p>Swimming pool (Swimming pool)</p> <p>Theatre (Theatre)</p> <p>Other (Other)</p> <p>Bridge (Bridge)</p> <p>Wheelhouse (Wheelhouse)</p> <p>Other space (Other space)</p> <p>Cargo &amp; tank areas (Cargo &amp; tank areas)</p> <p>Aft peak tank (Aft peak tank)</p> <p>Other than fore and aft peak tanks (Ballast tank)</p> <p>Bunker tank (Bunker tank)</p> <p>Cargo control room (Cargo control room)</p> <p>Cargo hold (Cargo hold)</p> <p>Cargo tank (Cargo tank)</p> <p>Chain locker (Chain locker)</p> <p>Closed deck cargo space (Closed deck cargo space)</p> <p>Other than fore and aft peak spaces (Cofferdam/void space)</p> <p>Forepeak tank (Forepeak tank)</p>		
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	<p><b>Open deck cargo space (Open deck cargo space)</b></p> <p><b>Ro-Ro vehicle deck ramp (Ro-Ro vehicle deck ramp)</b></p> <p><b>Slop/residues tank (Slop/residues tank)</b></p> <p><b>Vehicle cargo space (Vehicle cargo space)</b></p> <p><b>Other (Other)</b></p> <p><b>Pump room (Pump room)</b></p> <p><b>Pump room (Pump room)</b></p> <p><b>Other (Other)</b></p> <p><b>Engine department (Engine department)</b></p> <p><b>Auxiliary engine room (Auxiliary engine room)</b></p> <p><b>Boiler room (Boiler room)</b></p> <p><b>Incl. air-conditioning, etc. (Compressor room)</b></p> <p><b>Control room (Control room)</b></p> <p><b>Engine room (Engine room)</b></p> <p><b>Reefer plant room (Reefer plant room)</b></p> <p><b>Steering gear room (Steering gear room)</b></p> <p><b>Tunnel / duct keel (Tunnel / duct keel)</b></p> <p><b>Workshop / stores (Workshop / stores)</b></p> <p><b>Other (Other)</b></p> <p><b>Ship (Ship)</b></p> <p><b>Aloft (Aloft)</b></p> <p><b>Ashore (Ashore)</b></p> <p><b>Bulbous (Bulbous)</b></p> <p><b>Boat deck (Boat deck)</b></p> <p><b>Bridge deck (Bridge deck)</b></p> <p><b>Include working deck (Freeboard deck)</b></p> <p><b>Forecastle (Forecastle)</b></p>		
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	<p><b>Forecastle deck (Forecastle deck)</b></p> <p><b>Gangway (Gangway)</b></p> <p><b>Poop deck (Poop deck)</b></p> <p><b>Propeller/rudder/thruster (Propeller/rudder/thruster)</b></p> <p><b>Other than forecastle and poop (Superstructure deck)</b></p> <p><b>Stairs/ladders (Stairs/ladders)</b></p> <p><b>Over side (Over side)</b></p> <p><b>Other (Other)</b></p> <p><b>Unknown (Unknown)</b></p> <p><b>n.a. (n.a.)</b></p>		
<p>24</p>	<p>The operation(s) of the ship</p> <p><b>Being towed (Being towed)</b></p> <p><b>During emergency (Emergency)</b></p> <p><b>Fishing (Fishing)</b></p> <p>    <b>Fishing (Fishing)</b></p> <p>    <b>Gutting/handling/stowing fish (Gutting/handling/stowing fish)</b></p> <p>    <b>Preparing/stowing fishing gear (Preparing/stowing fishing gear)</b></p> <p>    <b>Shooting/hauling fishing gear (Shooting/hauling fishing gear)</b></p> <p>    <b>Towing fishing gear (Towing fishing gear)</b></p> <p><b>Normal service (Normal service)</b></p> <p>    <b>Alongside/Moored (Alongside/Moored)</b></p> <p>    <b>Anchoring (Anchoring)</b></p> <p>    <b>Ballasting (Ballasting)</b></p> <p>    <b>Berthing (Berthing)</b></p> <p>    <b>Bunkering mode</b></p> <p>        <b>Ship-to-ship</b></p> <p>        <b>Shore-to-ship</b></p>	<p>Value list</p>	<p>The main activity (-ies) /operation(s) that the ship was performing when the occurrence happened.</p>

	<p><b>Truck-to-ship</b></p> <p><b>Bunkering operations</b></p> <p><b>Positioning</b></p> <p><b>Preparing</b></p> <p><b>Bunkering</b></p> <p><b>After bunkering</b></p> <p><b>Cleaning/washing (Cleaning/washing)</b></p> <p><b>Dropping/heaving up anchor (Dropping/heaving up anchor)</b></p> <p><b>Embarking/disembarking people (Embarking/disembarking people)</b></p> <p><b>In passage (In passage)</b></p> <p style="padding-left: 20px;"><b>Displacement mode (Displacement mode)</b></p> <p style="padding-left: 20px;"><b>Non-displacement mode (Non-displacement mode)</b></p> <p style="padding-left: 20px;"><b>Transitional mode (Transitional mode)</b></p> <p><b>Loading (Loading)</b></p> <p><b>Maintenance (Maintenance)</b></p> <p><b>Manoeuvring (Manoeuvring)</b></p> <p><b>Open/close door, hatches, etc. (Open/close door, hatches, etc.)</b></p> <p><b>Repairing (Repairing)</b></p> <p><b>Starting/stopping engine (Starting/stopping engine)</b></p> <p><b>Turning (Turning)</b></p> <p><b>Under pilotage (Under pilotage)</b></p> <p><b>Unloading (Unloading)</b></p> <p><b>Water ballast exchange (Water ballast exchange)</b></p> <p><b>Sailing (Sailing)</b></p> <p style="padding-left: 20px;"><b>Beam reaching (Beam reaching)</b></p> <p style="padding-left: 20px;"><b>Broad reaching (Broad reaching)</b></p> <p style="padding-left: 20px;"><b>Close reaching (Close reaching)</b></p>		
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	<p>Cruising using engine (Cruising using engine)</p> <p>Gybing</p> <p>Head to head</p> <p>Head to wind (Head to wind)</p> <p>On the port tack</p> <p>On the starboard tack</p> <p>Running (Running)</p> <p>Set and lower a sail (Set and lower a sail)</p> <p>Tacking (Tacking)</p> <p>Special service (Special service)</p> <p>Disposal of residues (Disposal of residues)</p> <p>Dredging (Dredging)</p> <p>Drifting (Drifting)</p> <p>Drilling (Drilling)</p> <p>Fuel change-over</p> <p>Hove-to/dodging (Hove-to/dodging)</p> <p>Ice breaking (Ice breaking)</p> <p>Idle, off-hire (Idle, off-hire)</p> <p>In icebreaker assistance (In icebreaker assistance)</p> <p>Inerting (Inerting)</p> <p>Normal (On Watch)</p> <p>Other than bunkering (Replenishment at sea operations)</p> <p>Purging</p> <p>Rowing/Paddling (Rowing/Paddling)</p> <p>Ship-to-ship gas freeing</p> <p>Stripping</p> <p>Towing/pushing (Towing/pushing)</p>		
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	<p><b>Internal transfer of cargo (Transfer of cargo)</b></p> <p><b>Included sea trial (Trials/drills/tests)</b></p> <p><b>Under tow/push (Under tow/push)</b></p> <p><b>Other (Other)</b></p> <p><b>Unknown (Unknown)</b></p>		
25	Speed of the vessel	Manual	Speed of the vessel when the accident occurred.
26	<p>Speed mode</p> <p><b>Accelerating (Accelerating)</b></p> <p><b>Decelerating (Decelerating)</b></p> <p><b>Constant speed (Constant speed)</b></p> <p><b>Stopped (Stopped)</b></p> <p><b>Idling (Idling)</b></p> <p><b>Unknown (Unknown)</b></p>	Value list	Speed mode
28	Total quantity (bunkers, etc)	Manual	The amount of bunkers of the ship that polluted the marine environment as a consequence of the casualty.
29	Total quantity (cargo)	Manual	Casualty data- Total quantity (cargo)
31	<p>Ship's routeing</p> <p><b>Traffic: Crossing TSS (Crossing TSS)</b></p> <p><b>Traffic: Leaving or approaching TSS (Leaving or approaching TSS)</b></p> <p><b>Traffic: Area to be avoided (Area to be avoided)</b></p> <p><b>Traffic: Deep-water route (Deep-water route)</b></p> <p><b>Traffic: In a roundabout (In a roundabout)</b></p> <p><b>Traffic: In a traffic lane (In a traffic lane)</b></p> <p><b>Traffic: Inshore traffic zone (Inshore traffic zone)</b></p> <p><b>Traffic: No anchoring area (No anchoring area)</b></p> <p><b>Traffic: Precautionary area (Precautionary area)</b></p> <p><b>Traffic: Recommended route (Recommended route)</b></p>	Value list	Any system of one or more routes or routeing measures aimed at reducing the risk of casualties including those mentioned in the list of values.

	<p>Traffic: Recommended track (Recommended track)</p> <p>Traffic: Separation zone (Separation zone)</p> <p>Traffic: Two-way route (Two-way route)</p> <p>Traffic: No routeing system (No routeing system)</p> <p>Traffic: Exercise area (Exercise area)</p> <p>Traffic: Pilotage area (Pilotage area)</p> <p>Unknown (Unknown)</p>		
<p>32</p>	<p>Type of casualty</p> <p>Capsizing/Listing (Capsizing/Listing)</p> <p>    Capsizing (Capsizing)</p> <p>    Listing (Listing)</p> <p>Collision (Collision)</p> <p>    With other ship (With other ship)</p> <p>    With multiple ships (With multiple ships)</p> <p>    Ship not underway (Ship not underway)</p> <p>Contact (Contact)</p> <p>    Floating object (Floating object)</p> <p>        Cargo (Cargo)</p> <p>        Ice (Ice)</p> <p>        Other (Other)</p> <p>        Unknown (Unknown)</p> <p>    Fixed object (Fixed object)</p> <p>    Flying object (Flying object)</p> <p>Damage to ship or equipment (Damage to ship or equipment)</p> <p>Grounding/stranding (Grounding/stranding)</p> <p>    Drift (Drift)</p> <p>    Power (Power)</p>	<p>Value list</p>	<p>Casualty data- Type of casualty</p>

	<p><b>Fire/Explosion (Fire/Explosion)</b></p> <ul style="list-style-type: none"> <li>Fire (Fire)</li> <li>Explosion (Explosion)</li> </ul> <p><b>Flooding/Foundering (Flooding/Foundering)</b></p> <ul style="list-style-type: none"> <li>Foundering (Foundering)</li> <li>Flooding (Flooding) <ul style="list-style-type: none"> <li>Progressive (Progressive)</li> <li>Massive (Massive)</li> </ul> </li> </ul> <p><b>Loss of control (Loss of control)</b></p> <ul style="list-style-type: none"> <li>Loss of electrical power (Loss of electrical power)</li> <li>Loss of propulsion power (Loss of propulsion power)</li> <li>Loss of directional control (Loss of directional control)</li> <li>Loss of containment (Loss of containment)</li> </ul> <p><b>Hull failure (Hull failure)</b></p> <p><b>Missing (Missing)</b></p> <p><b>Non-accidental event (Non-accidental event)</b></p> <ul style="list-style-type: none"> <li>Acts of war (Acts of war)</li> <li>Criminal acts (Criminal acts)</li> <li>Illegal discharge (Illegal discharge)</li> <li>Other (Other)</li> </ul>		
33	<p>Voyage segment</p> <ul style="list-style-type: none"> <li>Anchored or alongside (Anchored or alongside)</li> <li>Route segment: Departure (Departure)</li> <li>Route segment: Transit (Transit)</li> <li>Route segment: Mid-water (Mid-water)</li> <li>Route segment: Arrival (Arrival)</li> <li>Unknown (Unknown)</li> </ul>	Value list	Segments that can be established in a route voyage: departure, transit, mid-water, transit and arrival.

34	Was the ship abandoned?	Value list	Information if the ship was abandoned or not by all people on board.
36	<p>Who had the control</p> <p><b>Assistant/Cadet (Assistant/Cadet)</b></p> <p><b>Chief engineer officer (Chief engineer officer)</b></p> <p><b>Chief mate (Chief mate)</b></p> <p><b>Deck officer (Deck officer)</b></p> <p><b>Electro-technical officer (Electro-technical officer)</b></p> <p><b>Engineer officer (Engineer officer)</b></p> <p><b>Fishing vessel rating (Fishing vessel rating)</b></p> <p><b>Hotel service staff (Hotel service staff)</b></p> <p><b>Master (Master)</b></p> <p><b>Other crew member (Other crew member)</b></p> <p><b>Pilot (Pilot)</b></p> <p><b>Radio operator (Radio operator)</b></p> <p><b>Rating (Rating)</b></p> <p><b>Rating as able seafarer deck (Rating as able seafarer deck)</b></p> <p><b>Rating as able seafarer engine (Rating as able seafarer engine)</b></p> <p><b>Rating electro-technical (Rating electro-technical)</b></p> <p><b>Rating part of engine-room watch (Rating part of engine-room watch)</b></p> <p><b>Second engineer officer (Second engineer officer)</b></p> <p><b>Skipper (Skipper)</b></p> <p><b>Other non-crew member (Other non-crew member)</b></p> <p><b>Unknown (Unknown)</b></p>	Value list	Casualty data- Who had the control
242	Were the equipment and/or system maintenance records up to date	Value list	FIRE- Were the equipment and/or system maintenance records up to date
4219	Towage or shore assistance	Value list	



## B.5 – Consequences

### B.5.1 – Loss / damage to ship

Id	Consequences - Loss/Damage to ship	Value type	Description
16	Loss of ship <b>Constructive loss (Constructive loss)</b> <b>Damage (Damage)</b> <b>Total loss (Total loss)</b> n.a. (n.a.)	Value list	Casualty data- Loss of ship
48	Cost: Loss/Repair/Cargo	Manual	Consequences - Damage Ship- Cost of ship repair
49	Days immobilized	Manual	Consequences - Damage Ship- Days immobilized
50	Description of the damage	Manual	Consequences - Damage Ship- Description of the damage
51	Ship rendered unfit to proceed	Value list	Consequences - Damage Ship- Ship rendered unfit to proceed
74	Loss of/Damage to ship	Value list	Loss of/Damage to ship
4231	Cargo information <b>See list of values for “Cargo information”</b>	Value list	Loss/Damage to ship/Cargo - Cargo information
4232	Quantities per cargo	Manual	Loss/Damage to ship/Cargo - Cargo information

B.5.2 – Marine Pollution

Id	Consequences - Marine pollution	Value type	Description
45	<p>Bunker/Waste - name</p> <p>Asphalt solutions (Asphalt solutions)</p> <p>    Blending stocks (Blending stocks)</p> <p>    Roofers flux (Roofers flux)</p> <p>    Straight run residue (Straight run residue)</p> <p>Distillates (Distillates)</p> <p>    Flashed feed stocks (Flashed feed stocks)</p> <p>    Straight run (Straight run)</p> <p>Gas oil (Gas oil)</p> <p>    Cracked (Cracked)</p> <p>Gasoline (Gasoline)</p> <p>    Automotive (Automotive)</p> <p>    Aviation (Aviation)</p> <p>    Casinghead (natural) (Casinghead (natural))</p> <p>    Fuel oil no. 1 (kerosene) (Fuel oil no. 1 (kerosene))</p> <p>    Fuel oil no. 1-D (Fuel oil no. 1-D)</p> <p>    Fuel oil no. 2 (Fuel oil no. 2)</p> <p>    Fuel oil no. 2-D (Fuel oil no. 2-D)</p> <p>    Straight run (Straight run)</p> <p>Gasoline blending stocks (Gasoline blending stocks)</p> <p>    Alkylates – fuel (Alkylates – fuel)</p> <p>    Polymer – fuel (Polymer – fuel)</p> <p>    Reformates (Reformates)</p> <p>Jet fuel (Jet fuel)</p> <p>    JP-1 (kerosene) (JP-1 (kerosene))</p>	Value list	Consequences - Bunkers, residues and wastes- Bunker/Waste –name

<p>JP-3 (JP-3)</p> <p>JP-4 (JP-4)</p> <p>JP-5 (kerosene, heavy) (JP-5 (kerosene, heavy))</p> <p>Kerosene (Kerosene)</p> <p>Mineral spirit (Mineral spirit)</p> <p>Turbo fuel (Turbo fuel)</p> <p>Naphtha (Naphtha)</p> <p>Heartcut distillate oil (Heartcut distillate oil)</p> <p>Petroleum (Petroleum)</p> <p>Solvent (Solvent)</p> <p>Oils (Oils)</p> <p>Aromatic oil (excluding vegetable oil) (Aromatic oil (excluding vegetable oil))</p> <p>Clarified (Clarified)</p> <p>Crude oil (Crude oil)</p> <p>Diesel oil (Diesel oil)</p> <p>Fuel oil no. 4 (Fuel oil no. 4)</p> <p>Fuel oil no. 5 (Fuel oil no. 5)</p> <p>Fuel oil no. 6 (Fuel oil no. 6)</p> <p>Lubricating oils and blending stocks (Lubricating oils and blending stocks)</p> <p>Mineral oil (Mineral oil)</p> <p>Mixtures containing crude oil (Mixtures containing crude oil)</p> <p>Motor oil (Motor oil)</p> <p>Penetrating oil (Penetrating oil)</p> <p>Residual fuel oil (Residual fuel oil)</p> <p>Road oil (Road oil)</p> <p>Spindle oil (Spindle oil)</p> <p>Transformer oil (Transformer oil)</p>		
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	<b>Turbine oil (Turbine oil)</b> <b>Other (Other)</b>		
46	Q recovered	Manual	Consequences - Bunkers, residues and wastes- Q recovered
47	Q spilled	Manual	Consequences - Bunkers, residues and wastes- Q spilled
53	Dangerous Material <sup>1</sup>	Value list	Consequences - DG-Package - Dangerous goods- Material
54	Q recovered	Manual	Consequences - DG-Package - Dangerous goods- Q recovered
55	Q spilled	Manual	Consequences - DG-Package - Dangerous goods- Q recovered
58	Hazards NA P S S/P	Value list	Consequences - Liquid cargo in bulk - Chemical- Hazards
59	Name of Chemical <sup>2</sup>	Value list	Consequences - Liquid cargo in bulk - Chemical- Name
60	Pollution category OS X Y Z	Value list	Consequences - Liquid cargo in bulk - Chemical- Pollution category
61	Q spilled	Manual	Consequences - Liquid cargo in bulk - Chemical- Q spilled
62	Class	Manual	Consequences - Liquid cargo in bulk - Oil- Class
63	Name of Oil product <sup>3</sup>	Value list	Consequences - Liquid cargo in bulk - Oil- Name
64	Q recov land	Manual	Consequences - Liquid cargo in bulk - Oil- Q recov land
65	Q recov sea	Manual	Consequences - Liquid cargo in bulk - Oil- Q recov sea
66	Q spilled	Manual	Consequences - Liquid cargo in bulk - Oil- Q spilled
67	Type Light Heavy	Value list	Consequences - Liquid cargo in bulk - Oil- Type

<sup>1</sup> Values for this attribute comprise a list of UN material codes

<sup>2</sup> Values for this attribute comprise a list of chemicals of Ch.17 and 18 of the IBC

<sup>3</sup> Values for this attribute comprise a list of oil products

68	UN Nr.	Manual	Consequences - Liquid cargo in bulk - Oil- UN Nr.
69	Hazards	Manual	Consequences - Liquid cargo in bulk - Other- Hazards
70	Name of liquid cargo in bulk	Manual	Consequences - Liquid cargo in bulk - Other- Name
71	Pollution category	Manual	Consequences - Liquid cargo in bulk - Other- Pollution category
72	Q spilled	Manual	Consequences - Liquid cargo in bulk - Other- Q spilled
73	Un Nr.	Manual	Consequences - Liquid cargo in bulk - Other- Un Nr.
117	Class	Manual	Consequences - Solid cargo in bulk - Material- Class
118	Name of solid cargo in bulk <sup>1</sup>	Manual	Consequences - Solid cargo in bulk - Material- Name
119	Q recovered	Manual	Consequences - Solid cargo in bulk - Material- Q recovered
120	Q spilled	Manual	Consequences - Solid cargo in bulk - Material- Q spilled
122	Un Nr.	Manual	Consequences - Solid cargo in bulk - Material- Un Nr
530	Bunker/Waste - class	Manual	Consequences - Bunkers, residues and wastes- Bunker/Waste - class

<sup>1</sup> Values for this attribute comprise a list of materials carried as solid cargo

## B.5.3 – Consequences on people

Id	Consequences on people	Value type	Description
76	Lives lost - Crew - Casualty	Manual	Consequences - People- Lives lost - Crew - Casualty
77	Lives lost - Crew - Emergency	Manual	Consequences - People- Lives lost - Crew – Emergency
78	Lives lost - Crew - Total	Manual	Consequences - People- Lives lost - Crew - Total
79	Lives lost - Other - Casualty	Manual	Consequences - People- Lives lost - Other - Casualty
80	Lives lost - Other - Emergency	Manual	Consequences - People- Lives lost - Other - Emergency
81	Lives lost - Other - Total	Manual	Consequences - People- Lives lost - Other - Total
82	Lives lost - Passenger - Emergency	Manual	Consequences - People- Lives lost - Passenger - Emergency
83	Lives lost - Passenger - Total	Manual	Consequences - People- Lives lost - Passenger - Total
84	Lives lost - Total	Manual	Consequences - People- Lives lost - Total
85	Lives lost - Total - Casualty	Manual	Consequences - People- Lives lost - Total - Casualty
86	Lives lost - Total - Emergency	Manual	Consequences - People- Lives lost - Total - Emergency
87	People injured - Crew - Casualty	Manual	Consequences - People- People injured - Crew - Casualty
88	People injured - Crew - Emergency	Manual	Consequences - People- People injured - Crew - Emergency
89	People injured - Crew - Total	Manual	Consequences - People- People injured - Crew - Total
90	People injured - Other - Casualty	Manual	Consequences - People- People injured - Other - Casualty
91	People injured - Other - Emergency	Manual	Consequences - People- People injured - Other - Emergency
92	People injured - Other - Total	Manual	Consequences - People- People injured - Other - Total
93	People injured - Passenger - Casualty	Manual	Consequences - People- People injured - Passenger - Casualty
94	People injured - Passenger - Emergency	Manual	Consequences - People- People injured - Passenger - Emergency
95	People injured - Passenger - Total	Manual	Consequences - People- People injured - Passenger - Total
96	People injured - Total	Manual	Consequences - People- People injured - Total
97	People injured - Total - Casualty	Manual	Consequences - People- People injured - Total - Casualty
98	People injured - Total - Emergency	Manual	Consequences - People- People injured - Total - Emergency
99	Accident/Casualty stage	Value list	Consequences - Person- Accident/Casualty stage

	<b>Casualty or accident (Casualty or accident)</b> <b>Emergency (Emergency)</b> <b>Abandon ship (Abandon ship)</b> <b>Live saving use (Live saving use)</b> <b>Other related operations (Other related operations)</b> <b>Damage/danger control (Damage/danger control)</b> <b>Fire fighting (Fire fighting)</b> <b>Towing/pushing (Towing/pushing)</b> <b>Rescue (Rescue)</b> <b>Other (Other)</b>		
100	Age	Manual	Consequences - Person- Age
101	Days lost	Manual	Consequences - Person- Days lost
102	<b>Deviation</b> <b>No information (No information)</b> <b>Deviation due to electrical problems, explosion, fire (Deviation due to electrical problems, explosion, fire)</b> <b>Electrical problem due to equipment failure - leading to indirect contact (Electrical problem due to equipment failure - leading to indirect contact)</b> <b>Electrical problem - leading to direct contact (Electrical problem - leading to direct contact)</b> <b>Explosion (Explosion)</b> <b>Fire, flare up (Fire, flare up)</b> <b>Other (Other)</b> <b>Deviation by overflow, overturn, leak, flow, vaporisation, emission (Deviation by overflow, overturn, leak, flow, vaporisation, emission)</b> <b>Solid state - overflowing, overturning (Solid state - overflowing, overturning)</b> <b>Liquid state - leaking, oozing, flowing, splashing, spraying (Liquid state - leaking, oozing, flowing, splashing, spraying)</b>	Value list	Consequences - Person- Deviation

	<p><b>Gaseous state - vaporisation, aerosol formation, gas formation (Gaseous state - vaporisation, aerosol formation, gas formation)</b></p> <p><b>Pulverulent material - smoke generation, dust/particles in suspension/emission of (Pulverulent material - smoke generation, dust/particles in suspension/emission of)</b></p> <p><b>Other (Other)</b></p> <p><b>Breakage, bursting, splitting, slipping, fall, collapse of Material Agent (Breakage, bursting, splitting, slipping, fall, collapse of Material Agent)</b></p> <p><b>Breakage of material - at joint, at seams (Breakage of material - at joint, at seams)</b></p> <p><b>Breakage, bursting - causing splinters (wood, glass, metal, stone, plastic, others) (Breakage, bursting - causing splinters (wood, glass, metal, stone, plastic, others))</b></p> <p><b>Slip, fall, collapse of Material Agent - from above (falling on the victim) (Slip, fall, collapse of Material Agent - from above (falling on the victim))</b></p> <p><b>Slip, fall, collapse of Material Agent - from below (dragging the victim down) (Slip, fall, collapse of Material Agent - from below (dragging the victim down))</b></p> <p><b>Slip, fall, collapse of Material Agent - on the same level (Slip, fall, collapse of Material Agent - on the same level)</b></p> <p><b>Other (Other)</b></p> <p><b>Loss of control (total or partial) of machine, means of transport or handling equipment, handheld tool, object, animal (Loss of control (total or partial) of machine, means of transport or handling equipment, handheld tool, object, animal)</b></p> <p><b>Loss of control (total or partial) - of machine (including unwanted start-up) or of the material being worked by the machine (Loss of control (total or partial) - of machine (including unwanted start-up) or of the material being worked by the machine)</b></p> <p><b>Loss of control (total or partial) - of means of transport or handling equipment, (motorised or not) (Loss of control (total or partial) - of means of transport or handling equipment, (motorised or not))</b></p>		
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<p>Loss of control (total or partial) - of hand-held tool (motorised or not) or of the material being worked by the tool (Loss of control (total or partial) - of hand-held tool (motorised or not) or of the material being worked by the tool)</p> <p>Loss of control (total or partial) - of object (being carried, moved, handled, etc.) (Loss of control (total or partial) - of object (being carried, moved, handled, etc.))</p> <p>Loss of control (total or partial) - of animal (Loss of control (total or partial) - of animal)</p> <p>Other (Other)</p> <p>Slipping - Stumbling and falling - Fall of persons (Slipping - Stumbling and falling - Fall of persons)</p> <p>    Fall of person - to a lower level (Fall of person - to a lower level)</p> <p>    Slipping - Stumbling and falling - Fall of person - on the same level (Slipping - Stumbling and falling - Fall of person - on the same level)</p> <p>    Fall overboard of person (Fall overboard of person)</p> <p>    Other (Other)</p> <p>Body movement without any physical stress (generally leading to an external injury) (Body movement without any physical stress (generally leading to an external injury))</p> <p>    Walking on a sharp object (Walking on a sharp object)</p> <p>    Kneeling on, sitting on, leaning against (Kneeling on, sitting on, leaning against)</p> <p>    Being caught or carried away, by something or by momentum (Being caught or carried away, by something or by momentum)</p> <p>    Uncoordinated movements, spurious or untimely actions (Uncoordinated movements, spurious or untimely actions)</p> <p>    Other group 60 type Deviations not listed above (Other group 60 type Deviations not listed above)</p> <p>Body movement under or with physical stress (generally leading to an internal injury) (Body movement under or with physical stress (generally leading to an</p>		
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	<p>internal injury))</p> <p>Lifting, carrying, standing up (Lifting, carrying, standing up)</p> <p>Pushing, pulling (Pushing, pulling)</p> <p>Putting down, bending down (Putting down, bending down)</p> <p>Twisting, turning (Twisting, turning)</p> <p>Treading badly, twisting leg or ankle, slipping without falling (Treading badly, twisting leg or ankle, slipping without falling)</p> <p>Other (Other)</p> <p>Shock, fright, violence, aggression, threat, presence (Shock, fright, violence, aggression, threat, presence)</p> <p>Shock, fright (Shock, fright)</p> <p>Violence, aggression, threat - between company employees subjected to the employer's authority (Violence, aggression, threat - between company employees subjected to the employer's authority)</p> <p>Violence, aggression, threat - from people external to the company towards victims performing their duties (bank hold-up, bus drivers, etc.) (Violence, aggression, threat - from people external to the company towards victims performing their duties (bank hold-up, bus drivers, etc.))</p> <p>Aggression, jostle - by animal (Aggression, jostle - by animal)</p> <p>Presence of the victim or of a third person in itself creating a danger for oneself and possibly others (Presence of the victim or of a third person in itself creating a danger for oneself and possibly others)</p> <p>Other (Other)</p> <p>Other (Other)</p>		
103	<p>Gender</p> <p>Male</p> <p>Female</p> <p>Unknown</p>	Value list	Consequences - Person- Gender
104	Loss of life	Value list	Consequences - Person- Loss of life
105	Material agent	Value list	Consequences - Person- Material agent

<p><b>Material agent: No material agent or no information (No material agent or no information)</b></p> <p><b>Material agent: Buildings, structures, surfaces - at ground level (indoor or outdoor, fixed or mobile, temporary or not) (Buildings, structures, surfaces - at ground level (indoor or outdoor, fixed or mobile, temporary or not))</b></p> <p><b>Material agent: Buildings, structures, surfaces - above ground level (indoor or outdoor) (Buildings, structures, surfaces - above ground level (indoor or outdoor))</b></p> <p><b>Material agent: Buildings, structures, surfaces - below ground level (indoor or outdoor) (Buildings, structures, surfaces - below ground level (indoor or outdoor))</b></p> <p><b>Material agent: Systems for the supply and distribution of materials, pipe networks (Systems for the supply and distribution of materials, pipe networks)</b></p> <p><b>Material agent: Motors, systems for energy transmission and storage (Motors, systems for energy transmission and storage)</b></p> <p><b>Material agent: Hand tools, not powered (Hand tools, not powered)</b></p> <p><b>Material agent: Hand-held or hand-guided tools, mechanical (Hand-held or hand-guided tools, mechanical)</b></p> <p><b>Material agent: Hand tools - without specification of power source (Hand tools - without specification of power source)</b></p> <p><b>Material agent: Machines and equipment - portable or mobile (Machines and equipment - portable or mobile)</b></p> <p><b>Material agent: Machines and equipment - fixed (Machines and equipment - fixed)</b></p> <p><b>Material agent: Conveying, transport and storage systems (Conveying, transport and storage systems)</b></p> <p><b>Material agent: Land vehicles (Land vehicles)</b></p> <p><b>Material agent: Other transport vehicles (Other transport vehicles)</b></p> <p><b>Material agent: Materials, objects, products, machine components, debris, dust (Materials, objects, products, machine components, debris, dust)</b></p> <p><b>Material agent: Chemical, explosive, radioactive, biological substances (Chemical, explosive, radioactive, biological substances)</b></p>		
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	<p><b>Material agent: Safety devices and equipment (Safety devices and equipment)</b></p> <p><b>Material agent: Office equipment, personal equipment, sports equipment, weapons, domestic appliances (Office equipment, personal equipment, sports equipment, weapons, domestic appliances)</b></p> <p><b>Material agent: Living organisms and human-beings (Living organisms and human-beings)</b></p> <p><b>Material agent: Bulk waste (Bulk waste)</b></p> <p><b>Material agent: Physical phenomena and natural elements (Physical phenomena and natural elements)</b></p> <p><b>Material agent: Other material agents not listed in this classification (Other material agents not listed in this classification)</b></p>		
106	<p>Mode of injury</p> <p><b>No information (No information)</b></p> <p><b>Contact with electrical voltage, temperature, hazardous substances (Contact with electrical voltage, temperature, hazardous substances)</b></p> <p>    <b>Contact with electrical voltage, temperature, hazardous substances - Indirect contact with a welding arc, spark, lightning (passive) (Indirect contact with a welding arc, spark, lightning (passive))</b></p> <p>    <b>Contact with electrical voltage, temperature, hazardous substances - Direct contact with electricity, receipt of electrical charge in the body (Direct contact with electricity, receipt of electrical charge in the body)</b></p> <p>    <b>Contact with electrical voltage, temperature, hazardous substances - Contact with naked flame or a hot or burning object or environment (Contact with naked flame or a hot or burning object or environment)</b></p> <p>    <b>Contact with electrical voltage, temperature, hazardous substances - Contact with a cold or frozen object or environment (Contact with a cold or frozen object or environment)</b></p> <p>    <b>Contact with electrical voltage, temperature, hazardous substances - Contact with hazardous substances - through nose, mouth via inhalation (Contact with hazardous substances - through nose, mouth via inhalation)</b></p> <p>    <b>Contact with electrical voltage, temperature, hazardous substances -</b></p>	Value list	Consequences - Person- Mode of injury

	<p>Contact with hazardous substances - on/through skin or eyes (Contact with hazardous substances - on/through skin or eyes)</p> <p>Contact with electrical voltage, temperature, hazardous substances - Contact with hazardous substances - through the digestive system by swallowing or eating (Contact with hazardous substances - through the digestive system by swallowing or eating)</p> <p>Contact with electrical voltage, temperature, hazardous substances - Other group 10 type Contacts -Modes of Injury not listed above (Other group 10 type Contacts -Modes of Injury not listed above)</p> <p>Drowned, buried, enveloped (Drowned, buried, enveloped)</p> <p>Drowned, buried, enveloped - Drowned in liquid (Drowned in liquid)</p> <p>Drowned, buried, enveloped - Buried under solid (Buried under solid)</p> <p>Drowned, buried, enveloped - Enveloped in, surrounded by gas or airborne particles (Enveloped in, surrounded by gas or airborne particles)</p> <p>Drowned, buried, enveloped - Other group 20 type Contacts -Modes of Injury not listed above (Other group 20 type Contacts -Modes of Injury not listed above)</p> <p>Horizontal or vertical impact with or against a stationary object (the victim is in motion) (Horizontal or vertical impact with or against a stationary object (the victim is in motion))</p> <p>Horizontal or vertical impact with or against a stationary object (the victim is in motion) - Vertical motion, crash on or against (resulting from a fall) (Vertical motion, crash on or against (resulting from a fall))</p> <p>Horizontal or vertical impact with or against a stationary object (the victim is in motion) - Horizontal motion, crash on or against (Horizontal motion, crash on or against)</p> <p>Horizontal or vertical impact with or against a stationary object (the victim is in motion) - Other group 30 type Contacts -Modes of Injury not listed above (Other group 30 type Contacts -Modes of Injury not listed above)</p> <p>Struck by object in motion, collision with (Struck by object in motion, collision with)</p> <p>Struck by object in motion, collision with - Struck - by flying object (Struck</p>		
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	<p>- by flying object)</p> <p>Struck by object in motion, collision with - Struck - by falling object (Struck - by falling object)</p> <p>Struck by object in motion, collision with - Struck - by swinging object (Struck - by swinging object)</p> <p>Struck by object in motion, collision with - Struck - by rotating, moving, transported object, including vehicles (Struck - by rotating, moving, transported object, including vehicles)</p> <p>Struck by object in motion, collision with - Collision with an object, including vehicles - collision with a person (the victim is moving) (Collision with an object, including vehicles - collision with a person (the victim is moving))</p> <p>Struck by object in motion, collision with - Other group 40 type Contacts - Modes of Injury not listed above (Other group 40 type Contacts -Modes of Injury not listed above)</p> <p>Contact with sharp, pointed, rough, coarse Material Agent (Contact with sharp, pointed, rough, coarse Material Agent)</p> <p>Contact with sharp, pointed, rough, coarse Material Agent - Contact with sharp Material Agent (knife, blade etc.) (Contact with sharp Material Agent (knife, blade etc.))</p> <p>Contact with sharp, pointed, rough, coarse Material Agent - Contact with pointed Material Agent (nail, sharp tool etc.) (Contact with pointed Material Agent (nail, sharp tool etc.))</p> <p>Contact with sharp, pointed, rough, coarse Material Agent - Contact with hard or rough Material Agent (Contact with hard or rough Material Agent)</p> <p>Contact with sharp, pointed, rough, coarse Material Agent - Other group 50 type Contacts -Modes of Injury not listed above (Other group 50 type Contacts -Modes of Injury not listed above)</p> <p>Trapped, crushed, etc. (Trapped, crushed, etc.)</p> <p>Trapped, crushed, etc. - Trapped, crushed - in (Trapped, crushed - in)</p> <p>Trapped, crushed, etc. - Trapped, crushed - under (Trapped, crushed - under)</p>		
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	<p>Trapped, crushed, etc. - Trapped, crushed - between (Trapped, crushed - between)</p> <p>Trapped, crushed, etc. - Limb, hand or finger torn or cut off (Limb, hand or finger torn or cut off)</p> <p>Trapped, crushed, etc. - Other group 60 type Contacts -Modes of Injury not listed above (Other group 60 type Contacts -Modes of Injury not listed above)</p> <p>Physical or mental stress (Physical or mental stress)</p> <p>Physical or mental stress - Physical stress - on the musculoskeletal system (Physical stress - on the musculoskeletal system)</p> <p>Physical or mental stress - Physical stress - due to radiation, noise, light or pressure (Physical stress - due to radiation, noise, light or pressure)</p> <p>Physical or mental stress - Mental stress or shock (Mental stress or shock)</p> <p>Physical or mental stress - Other group 70 type Contacts -Modes of Injury not listed above (Other group 70 type Contacts -Modes of Injury not listed above)</p> <p>Bite, kick, etc. (animal or human) (Bite, kick, etc. (animal or human))</p> <p>Bite, kick, etc. (animal or human) - Bite (Bite)</p> <p>Bite, kick, etc. (animal or human) - Sting from insect or fish (Sting from insect or fish)</p> <p>Bite, kick, etc. (animal or human) - Blow, kick, head butt, strangulation (Blow, kick, head butt, strangulation)</p> <p>Bite, kick, etc. (animal or human) - Other group 80 type Contacts -Modes of Injury not listed above (Other group 80 type Contacts -Modes of Injury not listed above)</p> <p>Other Contacts - Modes of Injury not listed in this classification (Other Contacts - Modes of Injury not listed in this classification)</p>		
107	Nationality <sup>1</sup>	Value list	Consequences - Person- Nationality
108	Occupational accident type	Value list	Consequences - Person- Occupational accident type

<sup>1</sup> Values for this attribute comprise a list of countries of the world

	<p><b>Casualty: Accident (Accident)</b>  <b>Accident not related to ship operation (Accid. not rel. to ship oper.)</b></p> <p><b>Casualty: Illness (Illness)</b></p> <p><b>Casualty: Suicide/homicide (Suicide/homicide)</b></p> <p><b>Casualty: Unknown (Unknown)</b></p>		
109	On duty	Value list	Consequences - Person- On duty
110	<p>Part of the body injured</p> <p><b>Not specified (Not specified)</b></p> <p><b>Head (Head)</b></p> <p style="padding-left: 20px;"><b>Head (Caput), brain and cranial nerves and vessels (Head (Caput), brain and cranial nerves and vessels)</b></p> <p style="padding-left: 20px;"><b>Facial area (Facial area)</b></p> <p style="padding-left: 20px;"><b>Eye(s) (Eye(s))</b></p> <p style="padding-left: 20px;"><b>Ear(s) (Ear(s))</b></p> <p style="padding-left: 20px;"><b>Teeth (Teeth)</b></p> <p style="padding-left: 20px;"><b>Head, multiple sites affected (Head, multiple sites affected)</b></p> <p style="padding-left: 20px;"><b>Head, other parts not mentioned above (Head, other parts not mentioned above)</b></p> <p><b>Neck, inclusive spine and vertebra in the neck (Neck, inclusive spine and vertebra in the neck)</b></p> <p style="padding-left: 20px;"><b>Neck, inclusive spine and vertebra in the neck (Neck, inclusive spine and vertebra in the neck)</b></p> <p style="padding-left: 20px;"><b>Neck, other parts not mentioned above (Neck, other parts not mentioned above)</b></p> <p><b>Back, including spine and vertebra in the back (Back, including spine and vertebra in the back)</b></p> <p style="padding-left: 20px;"><b>Back, including spine and vertebra in the back (Back, including spine and vertebra in the back)</b></p> <p style="padding-left: 20px;"><b>Back, other parts not mentioned above (Back, other parts not mentioned above)</b></p>	Value list	Consequences - Person- Part of the body injured



<p>above)</p> <p><b>Torso and organs (Torso and organs)</b></p> <p>Rib cage, ribs including joints and shoulder blade (Rib cage, ribs including joints and shoulder blade)</p> <p>Chest area including organs (Chest area including organs)</p> <p>Pelvic and abdominal area including organs (Pelvic and abdominal area including organs)</p> <p>Torso, multiple sites affected (Torso, multiple sites affected)</p> <p>Torso, other parts not mentioned above (Torso, other parts not mentioned above)</p> <p><b>Upper Extremities (Upper Extremities)</b></p> <p>Shoulder and shoulder joints (Shoulder and shoulder joints)</p> <p>Arm, including elbow (Arm, including elbow)</p> <p>Hand (Hand)</p> <p>Finger(s) (Finger(s))</p> <p>Wrist (Wrist)</p> <p>Upper extremities, multiple sites affected (Upper extremities, multiple sites affected)</p> <p>Upper extremities, other parts not mentioned above (Upper extremities, other parts not mentioned above)</p> <p><b>Lower Extremities (Lower Extremities)</b></p> <p>Hip and hip joint (Hip and hip joint)</p> <p>Leg, including knee (Leg, including knee)</p> <p>Ankle (Ankle)</p> <p>Foot (Foot)</p> <p>Toe(s) (Toe(s))</p> <p>Lower extremities, multiple sites affected (Lower extremities, multiple sites affected)</p> <p>Lower Extremities, other parts not mentioned above (Lower Extremities,</p>		
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	<p><b>other parts not mentioned above)</b></p> <p><b>Whole body and multiple sites (Whole body and multiple sites)</b></p> <p><b>Whole body (Systemic effects) (Whole body (Systemic effects))</b></p> <p><b>Multiple sites of the body affected (Multiple sites of the body affected)</b></p> <p><b>Other Parts of body injured, not mentioned above (Other Parts of body injured, not mentioned above)</b></p>		
111	<p>Person type (Passenger,crew,other)</p> <p><b>Other</b></p> <p><b>Crew</b></p> <p><b>Passenger</b></p>	Value list	Consequences - Person- Person type (Passenger,crew,other)
112	<p>Physical condition</p> <p><b>Death</b></p> <p><b>Injured</b></p> <p><b>Missing</b></p>	Value list	Consequences - Person- Physical condition
113	<p>Place on board</p> <p>(see value list for “Place on board”)</p>	Value list	Consequences - Person- Place on board
114	<p>Rank</p> <p>(see value list for “Who had the control”)</p>	Value list	Consequences - Person- Rank
115	<p>Type of injury</p> <p><b>Unknown or unspecified (Unknown or unspecified)</b></p> <p><b>Wounds and superficial injuries (Wounds and superficial injuries)</b></p> <p><b>Superficial injuries (Superficial injuries)</b></p> <p><b>Open wounds (Open wounds)</b></p> <p><b>Other types of wounds and superficial injuries (Other types of wounds and superficial injuries)</b></p> <p><b>Bone fractures (Bone fractures)</b></p> <p><b>Closed fractures (Closed fractures)</b></p> <p><b>Open fractures (Open fractures)</b></p> <p><b>Other types of bone fractures (Other types of bone fractures)</b></p>	Value list	Consequences - Person- Type of injury

	<p><b>Dislocations, sprains and strains (Dislocations, sprains and strains)</b></p> <ul style="list-style-type: none"> <li>Dislocations and subluxations (Dislocations and subluxations)</li> <li>Sprains and strains (Sprains and strains)</li> <li>Other types of dislocations, sprains and strains (Other types of dislocations, sprains and strains)</li> </ul> <p><b>Traumatic amputations (Loss of body parts) (Traumatic amputations (Loss of body parts))</b></p> <p><b>Concussion and internal injuries (Concussion and internal injuries)</b></p> <ul style="list-style-type: none"> <li>Concussion and intracranial injuries (Concussion and intracranial injuries)</li> <li>Internal injuries (Internal injuries)</li> <li>Other types of concussion and internal injuries (Other types of concussion and internal injuries)</li> </ul> <p><b>Burns, scalds and frostbites (Burns, scalds and frostbites)</b></p> <ul style="list-style-type: none"> <li>Burns and scalds (thermal) (Burns and scalds (thermal))</li> <li>Chemical burns (corrosions) (Chemical burns (corrosions))</li> <li>Frostbites (Frostbites)</li> <li>Other types of burns, scalds and frostbites (Other types of burns, scalds and frostbites)</li> </ul> <p><b>Poisonings and infections (Poisonings and infections)</b></p> <ul style="list-style-type: none"> <li>Acute poisonings (Acute poisonings)</li> <li>Acute infections (Acute infections)</li> <li>Other types of poisonings and infections (Other types of poisonings and infections)</li> </ul> <p><b>Drowning and asphyxiation (Drowning and asphyxiation)</b></p> <ul style="list-style-type: none"> <li>Asphyxiation (Asphyxiation)</li> <li>Drowning and non-fatal submersions (Drowning and non-fatal submersions)</li> <li>Other types of drowning and asphyxiation (Other types of drowning and asphyxiation)</li> </ul>		
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	<p><b>Effects of sound, vibration and pressure (Effects of sound, vibration and pressure)</b></p> <ul style="list-style-type: none"> <li>Acute hearing losses (Acute hearing losses)</li> <li>Effects of pressure (barotrauma) (Effects of pressure (barotrauma))</li> <li>Other effects of sound, vibration and pressure (Other effects of sound, vibration and pressure)</li> </ul> <p><b>Effects of temperature extremes, light and radiation (Effects of temperature extremes, light and radiation)</b></p> <ul style="list-style-type: none"> <li>Heat and sunstroke (Heat and sunstroke)</li> <li>Effects of radiation (non-thermal) (Effects of radiation (non-thermal))</li> <li>Effects of reduced temperature (Effects of reduced temperature)</li> <li>Other effects of temperature extremes, light and radiation (Other effects of temperature extremes, light and radiation)</li> </ul> <p><b>Shock (Shock)</b></p> <ul style="list-style-type: none"> <li>Shocks after aggression and threats (Shocks after aggression and threats)</li> <li>Traumatic shocks (Traumatic shocks)</li> <li>Other types of shocks (Other types of shocks)</li> </ul> <p><b>Multiple injuries (Multiple injuries)</b></p> <p><b>Other specified injuries not included under other headings (Other specified injuries not included under other headings)</b></p>		
116	<p><b>Working clothes / PPE</b></p> <p><b>Working Clothes and Personal Protective Equipment: Anti-exposure suit (Anti-exposure suit)</b></p> <ul style="list-style-type: none"> <li>Anti-exposure suit: Not used (Not used)</li> <li>Anti-exposure suit: Non-existent (Non-existent)</li> <li>Anti-exposure suit: Inadequate (Inadequate)</li> <li>Anti-exposure suit: Unknown (Unknown)</li> </ul> <p><b>Working Clothes and Personal Protective Equipment: Armoured protection suits (Armoured protection suits)</b></p>	Value list	Consequences - Person- Working clothes / PPE

	<p><b>Armoured protection suits: Not used (Not used)</b></p> <p><b>Armoured protection suits: Non-existent (Non-existent)</b></p> <p><b>Armoured protection suits: Inadequate (Inadequate)</b></p> <p><b>Armoured protection suits: Unknown (Unknown)</b></p> <p><b>Working Clothes and Personal Protective Equipment: Chemical protection suits (Chemical protection suits)</b></p> <p><b>Chemical protection suits: Not used (Not used)</b></p> <p><b>Chemical protection suits: Non-existent (Non-existent)</b></p> <p><b>Chemical protection suits: Inadequate (Inadequate)</b></p> <p><b>Chemical protection suits: Unknown (Unknown)</b></p> <p><b>Working Clothes and Personal Protective Equipment: Face and eye protection (Face and eye protection)</b></p> <p><b>Face and eye protection: Not used (Not used)</b></p> <p><b>Face and eye protection: Non-existent (Non-existent)</b></p> <p><b>Face and eye protection: Inadequate (Inadequate)</b></p> <p><b>Face and eye protection: Unknown (Unknown)</b></p> <p><b>Working Clothes and Personal Protective Equipment: Hand and foot protection (Hand and foot protection)</b></p> <p><b>Hand and foot protection: Not used (Not used)</b></p> <p><b>Hand and foot protection: Non-existent (Non-existent)</b></p> <p><b>Hand and foot protection: Inadequate (Inadequate)</b></p> <p><b>Hand and foot protection: Unknown (Unknown)</b></p> <p><b>Working Clothes and Personal Protective Equipment: Head protection (Head protection)</b></p> <p><b>Head protection: Not used (Not used)</b></p> <p><b>Head protection: Non-existent (Non-existent)</b></p> <p><b>Head protection: Inadequate (Inadequate)</b></p> <p><b>Head protection: Unknown (Unknown)</b></p>		
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	<p><b>Working Clothes and Personal Protective Equipment: Hearing protection (Hearing protection)</b></p> <ul style="list-style-type: none"> <li>Hearing protection: Not used (Not used)</li> <li>Hearing protection: Non-existent (Non-existent)</li> <li>Hearing protection: Inadequate (Inadequate)</li> <li>Hearing protection: Unknown (Unknown)</li> </ul> <p><b>Life jacket (Life jacket)</b></p> <ul style="list-style-type: none"> <li>Not used (Not used)</li> <li>Non-existent (Non-existent)</li> <li>Inadequate (Inadequate)</li> <li>Unknown (Unknown)</li> </ul> <p><b>Working Clothes and Personal Protective Equipment: Protection from falls (Protection from falls)</b></p> <ul style="list-style-type: none"> <li>Protection from falls: Not used (Not used)</li> <li>Protection from falls: Non-existent (Non-existent)</li> <li>Protection from falls: Inadequate (Inadequate)</li> <li>Protection from falls: Unknown (Unknown)</li> </ul> <p><b>Working Clothes and Personal Protective Equipment: Protective clothing (Protective clothing)</b></p> <ul style="list-style-type: none"> <li>Protective clothing: Not used (Not used)</li> <li>Protective clothing: Non-existent (Non-existent)</li> <li>Protective clothing: Inadequate (Inadequate)</li> <li>Protective clothing: Unknown (Unknown)</li> </ul> <p><b>Working Clothes and Personal Protective Equipment: Sun protection (Sun protection)</b></p> <ul style="list-style-type: none"> <li>Sun protection: Not used (Not used)</li> <li>Sun protection: Non-existent (Non-existent)</li> <li>Sun protection: Inadequate (Inadequate)</li> </ul>		
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	<p><b>Sun protection: Unknown (Unknown)</b></p> <p><b>Working Clothes and Personal Protective Equipment: Respiratory protective equipment (Respiratory protective equipment)</b></p> <p><b>Respiratory protective equipmen: Not used (Not used)</b></p> <p><b>Respiratory protective equipmen: Non-existent (Non-existent)</b></p> <p><b>Respiratory protective equipmen: Inadequate (Inadequate)</b></p> <p><b>Respiratory protective equipmen: Unknown (Unknown)</b></p> <p><b>Working Clothes and Personal Protective Equipment: Working clothes (Working clothes)</b></p> <p><b>Working clothes: Not used (Not used)</b></p> <p><b>Working clothes: Non-existent (Non-existent)</b></p> <p><b>Working clothes: Inadequate (Inadequate)</b></p> <p><b>Working clothes: Unknown (Unknown)</b></p>		
303	Lives lost - Passenger - Casualty	Manual	Consequences - People- Lives lost - Passenger - Casualty

## B.5.4 – Third party consequences

Id	Consequences - Third party	Value type	Description
123	Cargo damage cost	Manual	Consequences - Third party- Cargo damage cost
124	Cargo damage lost (percentage)	Manual	Consequences - Third party- Cargo damage lost (percentage)
125	Floating installations cost	Manual	Consequences - Third party- Floating installations cost
126	Loss of life on shore	Manual	Consequences - Third party- Loss of life on shore
127	Luggage cost	Manual	Consequences - Third party- Luggage cost
128	Luggage lost (percentage)	Manual	Consequences - Third party- Luggage lost (percentage)
129	People injured on shore	Manual	Consequences - Third party- People injured on shore
130	Shore installations cost	Manual	Consequences - Third party- Shore installations cost



B.5.5 – Air pollution

Id	Consequences - Air pollution	Value type	Description
39	Class	Manual	Consequences - Air pollution- Class
40	<p>Name</p> <p><b>1G (1G)</b></p> <p>1017 - Chlorine (1017 - Chlorine)</p> <p>1040 - Ethylene oxide (1040 - Ethylene oxide)</p> <p>1062 - Methyl bromide (1062 - Methyl bromide)</p> <p>1079 - Sulphur dioxide (1079 - Sulphur dioxide)</p> <p><b>2G (2G)</b></p> <p>1038 - Ethylene (1038 - Ethylene)</p> <p>1961 - Ethane (1961 - Ethane)</p> <p>1972 - Methane (LNG) (1972 - Methane (LNG))</p> <p><b>2G/2PG (2G/2PG)</b></p> <p>1005 - Ammonia, anhydrous (1005 - Ammonia, anhydrous)</p> <p>1010 - Butadiene (1010 - Butadiene)</p> <p>1011 - Butane (1011 - Butane)</p> <p>1012 - Butylenes (1012 - Butylenes)</p> <p>1032 - Dimethylamine (1032 - Dimethylamine)</p> <p>1036 - Monoethylamine (1036 - Monoethylamine)</p> <p>1037 - Ethyl chloride (1037 - Ethyl chloride)</p> <p>1060 - Methyl acetylene-propadiene mixtures (1060 - Methyl acetylene-propadiene mixtures)</p> <p>1063 - Methyl chloride (1063 - Methyl chloride)</p> <p>1077 - Propylene (1077 - Propylene)</p> <p>1086 - Vinyl chloride (1086 - Vinyl chloride)</p> <p>1089 - Acetaldehyde (1089 - Acetaldehyde)</p>	Value list	Consequences - Air pollution- Name

	<p>1155 - Diethyl ether (1155 - Diethyl ether)</p> <p>1218 - Isoprene (1218 - Isoprene)</p> <p>1221 - Isopropylamine (1221 - Isopropylamine)</p> <p>1265 - Pentanes (all isomers) (1265 - Pentanes (all isomers))</p> <p>1265 - Pentene (all isomers) (1265 - Pentene (all isomers))</p> <p>1280 - Propylene oxide (1280 - Propylene oxide)</p> <p>1302 - Vinyl ethyl ether (1302 - Vinyl ethyl ether)</p> <p>1303 - Vinylidene chloride (1303 - Vinylidene chloride)</p> <p>1978 - Propane (1978 - Propane)</p> <p>2983 - Ethylene oxide-propylene oxide content of not more than 30% by weight* (2983 - Ethylene oxide-propylene oxide content of not more than 30% by weight*)</p> <p>Butane-propane mixtures (Butane-propane mixtures)</p> <p>Dimethyl ether (Dimethyl ether)</p> <p>1011/1978 Butane-propane mixtures (1011/1978 Butane-propane mixtures)</p> <p>3G (3G)</p> <p>2040 - Nitrogen (2040 - Nitrogen)</p> <p>Carbon dioxide (Carbon dioxide)</p> <p>Refrigerant gases (Refrigerant gases)</p>		
41	Q spilled	Manual	Consequences - Air pollution- Q spilled
42	Source (LNG/LPG; Other liquefied gas; Product) Other Product LNG/LPG in bulk	Value list	Consequences - Air pollution- Source (LNG/LPG; Other liquefied gas; Product)
43	Type LPG LNG	Value list	Consequences - Air pollution- Type
44	UN Nr.	Manual	Consequences - Air pollution- UN Nr.

## B.6 – Total injuries – fatalities

Id	Injuries	Value type	Description
378	Lives lost - Crew - Total	Manual	The total number of crewmembers that lost their lives as a consequence of the casualty or accident.
379	Lives lost - Other - Total	Manual	The total number of other people (not considered a crew or a passenger) that lost their lives as a consequence of the casualty or accident.
380	Lives lost - Passenger - Total	Manual	The total number of passengers that lost their lives as a consequence of the casualty or accident.
381	Lives lost - Total	Manual	The total number of people that lost their lives as a consequence of the casualty or accident.
382	People injured - Crew - Total	Manual	The total number of crewmembers that were injured as a consequence of the casualty or accident.
383	People injured - Other - Total	Manual	The total number of other people (not considered a crew or a passenger) that were injured as a consequence of the casualty or accident.
384	People injured - Passenger - Total	Manual	The total number of passengers that were injured as a consequence of the casualty or accident.
385	People injured - Total	Manual	The total number of people that were injured as a consequence of the casualty or accident.

**B.7 – Environmental impact data**

Id	Environmental impact data	Value type	Description
176	Clean-up methods and techniques used <b>Clean-up Techniques: In-situ burning (In-situ burning)</b> <b>Clean-up Techniques: Mechanical recovery (Mechanical recovery)</b> <b>Clean-up Techniques: Manual recovery (Manual recovery)</b> <b>Clean-up Techniques: Absorbents (Absorbents)</b> <b>Clean-up Techniques: Dispersants and spray systems (Dispersants and spray systems)</b> <b>Clean-up Techniques: Shoreline clean-up (Shoreline clean-up)</b> <b>Clean-up Techniques: Other (Other)</b>	Value list	Clean up methods and techniques used for responding to the marine oil spill.
177	Dispersants application <b>Aircraft</b> <b>Vessel</b> <b>Manual</b>	Value list	The mean how the dispersants were sprayed onto oil slicks to accelerate the process of natural dispersion
178	Estimated cost	Manual	The estimated cost to clean up the (oil) spill and compensate all damages
179	Habitat degradation <b>Soft habitats</b> <b>Shoreline</b> <b>Rocky coasts/reefs</b>	Value list	Habitat degradation is the diminishment of habitat quality and its ability to support biological communities
180	Loss of fisheries <b>Fin fish</b> <b>Shellfish</b> <b>Fish farming</b>	Value list	When the accident affects fish habitats causing the destruction and subsequent loss of fisheries or shellfish benefits
181	Loss of wildlife <b>Impact on birds</b> <b>Impact on marine animals</b> <b>Impact on fish</b> <b>Impact on other marine life</b>	Value list	Loss of wildlife is the dead of non-domesticated animals
182	Monitoring and surveillance	Value list	The types of monitoring and surveillance of the marine pollution used.

	<b>Aerial</b> <b>Maritime</b> <b>Satellite</b> <b>Other</b>		
183	Response time	Manual	It is the time for taking actions to a marine pollution which means the time between the casualty and the arrival of the first means of response.
184	Response to the spill <b>No action</b> <b>Deliberate no action</b> <b>Clean-up efforts</b>	Value list	Information if there were actions control and minimize the marine pollution spill.
185	Response vessels <b>Recovery vessel</b> <b>Multipurpose</b> <b>Not specialized</b>	Value list	Type of vessels used to control and minimized the spill as a consequence of a marine casualty.
186	State - legal action <b>Coastal state</b> <b>Flag state</b> <b>Other substantially interested state</b> <b>Non-governmental organization</b>	Value list	Type of state, according to the international law, that initiate the legal action.
187	Type of area <b>Special area</b> <b>PSSA</b> <b>Not special or sensitive</b>	Value list	Areas which needs a higher level of protection against marine pollution than other sea areas

## C. ADDITIONAL INFO

### C.1 – SAR & GMDSS information

Id	VDR, SAR & GMDSS information	value type	Description
377	<p>VDR usage Yes (fully functional)</p> <p>VDR Powered Off</p> <ul style="list-style-type: none"> <li>Switched off no reason</li> <li>Switched off malfunction</li> </ul> <p>Malfunction of data recording capability</p> <ul style="list-style-type: none"> <li>Audio recording issue</li> <li>Radar recording issue</li> <li>Serial data recording issue</li> <li>All data recoding issue</li> </ul> <p>Tampered</p> <ul style="list-style-type: none"> <li>System tampered</li> <li>Data tampered</li> </ul> <p>Save / archive data</p> <ul style="list-style-type: none"> <li>Not carried out</li> <li>Carried out incorrectly</li> </ul> <p>VDR not found</p>	Value list	Answer to the question if VDR data was used in the investigation

	<b>VDR too difficult to recover</b>  <b>No (when it was not used by the AI body)</b>  <b>n/a (when VDR does not exist)</b>		
398	Any unusual, or additional, communication aspects	Manual	Any unusual, or additional, communication aspects, apparent shortcomings and/or lessons to be learned.
399	Arrival date of SAR unit to casualty area	Manual	Arrival date of SAR unit to casualty area
400	Contents of distress message	Manual	Contents of distress message
401	Description of GMDSS sea area facilities <b>GMDSS area: A1 (A1)</b> <b>GMDSS area: A2 (A2)</b> <b>GMDSS area: A3 (A3)</b> <b>GMDSS area: A4 (A4)</b> <b>GMDSS area: Other (Other)</b> <b>GMDSS area: None (None)</b>	Value list	Description of GMDSS sea area facilities
402	Distress communications and location signals from survival craft	Manual	Distress communications and location signals from survival craft
403	GMDSS sea area or sea areas for which radio equipment was installed <b>See values for “Description of GMDSS sea area facilities”</b>	Value list	GMDSS sea area or sea areas for which radio equipment was installed
404	If a satellite EPIRB or EPIRB was used for alerting and/or locating survivors, give details (frequency, type of activation, etc.) and which LUT/CES or coast station received the alerting signal	Manual	If a satellite EPIRB or EPIRB was used for alerting and/or locating survivors, give details (frequency, type of activation, etc.) and which LUT/CES or coast station received the alerting signal
405	If the ship was abandoned, communications, distress and locating equipment carried on board of the survival craft	Manual	If the ship was abandoned, communications, distress and locating equipment carried on board of the survival craft
406	Language difficulties	Manual	Language difficulties during the communication
407	On-scene communications, including surface/air communications	Manual	On-scene communications, including surface/air communications
408	RCC distress relay by <b>Communication equipment: EPIRB (EPIRB)</b>  <b>EPIRB: 406 MHz (406 MHz)</b>	Value list	RCC distress relay by

<p>EPIRB: Inmarsat-E (Inmarsat-E)</p> <p>EPIRB: VHF (VHF)</p> <p>EPIRB: 121,5 MHz (121,5 MHz)</p> <p>EPIRB: 243 MHz (243 MHz)</p> <p>Communication equipment: INMARSAT SES (INMARSAT SES)</p> <p>INMARSAT SES: A (A)</p> <p>INMARSAT SES: B (B)</p> <p>INMARSAT SES: C (C)</p> <p>INMARSAT SES: M (M)</p> <p>Communication equipment: DSC (DSC)</p> <p>DSC: VHF Channel (c.70) (VHF Channel (c.70))</p> <p>DSC: MF-HF frequencies (MF-HF frequencies)</p> <p>MF-HF frequencies: 2187,5 kHz (2187,5 kHz)</p> <p>MF-HF frequencies: 4207,5kHz (4207,5kHz)</p> <p>MF-HF frequencies: 6302 kHz (6302 kHz)</p> <p>MF-HF frequencies: 8414,5 kHz (8414,5 kHz)</p> <p>MF-HF frequencies: 12577 kHz (12577 kHz)</p> <p>MF-HF frequencies: 16804,5 kHz (16804,5 kHz)</p> <p>Communication equipment: Radiotelephony (Radiotelephony)</p> <p>MF-HF-VHF frequencies: 2182 kHz (2182 kHz)</p> <p>MF-HF-VHF frequencies: 4125 kHz (4125 kHz)</p> <p>MF-HF-VHF frequencies: 6215 kHz (6215 kHz)</p> <p>MF-HF-VHF frequencies: 8291 kHz (8291 kHz)</p> <p>MF-HF-VHF frequencies: 12290 kHz (12290 kHz)</p> <p>MF-HF-VHF frequencies: 16420 kHz (16420 kHz)</p> <p>MF-HF-VHF frequencies: 156,8 MHz (156,8 MHz)</p> <p>Communication equipment: NBDP (NBDP)</p>		
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	<p>MF-HF-VHF frequencies: 2174,5 kHz (2174,5 kHz)</p> <p>MF-HF-VHF frequencies: 4177,5 kHz (4177,5 kHz)</p> <p>MF-HF-VHF frequencies: 6268 kHz (6268 kHz)</p> <p>MF-HF-VHF frequencies: 8376,5 kHz (8376,5 kHz)</p> <p>MF-HF-VHF frequencies: 12520 kHz (12520 kHz)</p> <p>MF-HF-VHF frequencies: 16695 kHz (16695 kHz)</p> <p>Communication equipment: Other (Other)</p> <p>Communication equipment: Unknown (Unknown)</p>		
409	RCC distress relay frequency	Manual	RCC distress relay frequency
410	RCC (S) , ships, coast station or coast earth stations which acknowledged distress alert See list of values for “RCC distress relay by”	Value list	RCC (S) , ships, coast station or coast earth stations which acknowledged distress alert
411	RCC (S) , ships, coast station or coast earth stations which acknowledged distress alert frequency	Manual	RCC (S) , ships, coast station or coast earth stations which acknowledged distress alert frequency
412	SAR Co-ordinating communications See list of values for “RCC distress relay by”	Value list	SAR Co-ordinating communications
413	SAR Co-ordinating communications frequency	Manual	SAR Co-ordinating communications frequency
414	Sea state during SAR operations See list of values for “Sea state”	Value list	Sea state during SAR operations
415	Ship’s (receiving distress alert) distress relay by See list of values for “RCC distress relay by”	Value list	Ship’s (receiving distress alert) distress relay by
416	Ship’s (receiving distress alert) distress relay frequency	Manual	Ship’s (receiving distress alert) distress relay frequency
417	Ship’s distress alert by See list of values for “RCC distress relay by”	Value list	Ship’s distress alert by
418	Ship’s distress alert frequency	Manual	Ship’s distress alert frequency
419	Start of distress phase- date	Manual	Start of distress phase - date
420	Use of alarm signal	Value list	Use of alarm signal
421	Was the position (lat/long) transmitted with the distress alert	Value list	Was the position (lat/long) transmitted with the distress alert

422	Weather conditions during SAR operations <b>See list of values for “Weather conditions”</b>	Value list	Weather conditions during SAR operations
423	Wind force during SAR operations <b>See list of values for “Wind force”</b>	Value list	Wind force during SAR operations
527	Arrival time of SAR unit to casualty area	Manual	Arrival time of SAR unit to casualty area.
528	Start of distress phase - time	Manual	Time of the start of distress phase.

C.2 – Fire casualty record

Id	Fire Casualty Record	Value type	Description
225	Adequacy of structural fire protection	Manual	FIRE- Adequacy of structural fire protection
226	Adequate supply of air on board for self-contained breathing apparatus or was outside assistance needed to supply such air	Value list	FIRE- Adequate supply of air on board for self-contained breathing apparatus or was outside assistance needed to supply such air
227	Briefly explain the action taken by the crew to contain, control and suppress fire and explosion in the space of origin	Manual	Briefly explain the action taken by the crew to contain, control and suppress fire and explosion in the space of origin
228	Containment and extinguishment of any fire in the space of origin	Manual	FIRE- Containment and extinguishment of any fire in the space of origin
229	Did Fixed fire-extinguishing contribute to extinguish the fire	Value list	FIRE- Did Fixed fire-extinguishing contribute to extinguish the fire
230	Fire detection <b>Fire detection: Fire detection system (Fire detection system)</b> <b>Fire detection: Detection by the crew (Detection by the crew)</b> <b>Fire detection: Detection by the passengers (Detection by the passengers)</b> <b>Fire detection: Detection by other people (Detection by other people)</b> <b>Fire detection: Unknown (Unknown)</b>	Value list	FIRE- Fire detection
231	Fixed fire-extinguishing installations adjacent areas <b>Fixed fire-extinguishing system: Automatic sprinkler (Automatic sprinkler)</b> <b>Fixed fire-extinguishing system: Fixed CO2 (Fixed CO2)</b> <b>Fixed fire-extinguishing system: Foam (Foam)</b> <b>Fixed fire-extinguishing system: Halogenated hydrocarbon (Halogenated hydrocarbon)</b> <b>Fixed fire-extinguishing system: Inert gas system (Inert gas system)</b> <b>Fixed fire-extinguishing system: Seawater (Seawater)</b> <b>Fixed fire-extinguishing system: Steam smothering (Steam smothering)</b> <b>Fixed fire-extinguishing system: Other (Other)</b>	Value list	FIRE- Fixed fire-extinguishing installations adjacent areas
232	Fixed fire-extinguishing installations at site of origin of fire See list of values for “Fixed fire-extinguishing installations adjacent areas”	Value list	FIRE- Fixed fire-extinguishing installations at site of origin of fire

233	Fixed fire-extinguishing systems used to extinguish the fire <b>See list of values for “Fixed fire-extinguishing installations adjacent areas”</b>	Value list	FIRE- Fixed fire-extinguishing systems used to extinguish the fire
234	How persons were alerted <b>Means of alert: Oral communication (Oral communication)</b> <b>Means of alert: Ship internal communication system (Ship internal communication system)</b> <b>Means of alert: Sound alarm signal (Sound alarm signal)</b> <b>Means of alert: Visual alarm signal (Visual alarm signal)</b> <b>Means of alert: Unknown (Unknown)</b>	Value list	FIRE- How persons were alerted
235	Observations and comments	Manual	FIRE- Observations and comments
236	Outside assistance provided <b>Assistance: Shore assistance (Shore assistance)</b> <b>Assistance: Specialized ship (Specialized ship)</b> <b>Assistance: Other ship (Other ship)</b> <b>Assistance: Other (Other)</b>	Value list	FIRE- Outside assistance provided
237	Portable fire-extinguishing equipment used <b>Portable fire-extinguishing equipment: CO2 (CO2)</b> <b>Portable fire-extinguishing equipment: Dry chemical (Dry chemical)</b> <b>Portable fire-extinguishing equipment: Foam (Foam)</b> <b>Portable fire-extinguishing equipment: Water (Water)</b> <b>Portable fire-extinguishing equipment: Other (for example fire blanket, sand) (Other)</b>	Value list	FIRE- Portable fire-extinguishing equipment used
238	Protection of means of escape or access for fire fighting	Manual	FIRE- Protection of means of escape or access for fire fighting
239	Time taken to fight fire from first alarm once controlled, to extinguish the fire	Manual	FIRE- Time taken to fight fire from first alarm once controlled, to extinguish the fire
240	Time taken to fight fire from first alarm to control the fire	Manual	FIRE- Time taken to fight fire from first alarm to control the fire
241	Total duration of fire	Manual	FIRE- Total duration of fire

## C.3 – Intact stability

Id	Intact Stability	Value type	Description
267	Angle of heel for immersion of uppermost continuous deck - For ship in condition at time of loss	Manual	Intact Stability- Angle of heel for immersion of uppermost continuous deck - For ship in condition at time of loss
268	Angle of heel for immersion of uppermost continuous deck - For ship in fully loaded homogeneous arrival condition	Manual	Intact Stability- Angle of heel for immersion of uppermost continuous deck - For ship in fully loaded homogenous arrival condition
269	Angle of maximum stability	Manual	It is the angle of inclination corresponding to the maximum righting lever.
270	Angle of vanishing stability	Manual	It is the limit of positive stability ( $GZ = 0$ ) which means the second intersection of the righting lever curve with the axis of the inclination angle.
271	Bilge keel - longitudinal extent	Manual	Intact Stability- Bilge keel - longitudinal extent
272	Bilge keel - width	Manual	Intact Stability- Bilge keel – width
273	Block coefficient of fineness of displacement - For ship in condition at time of loss	Manual	Intact Stability- Block coefficient of fineness of displacement - For ship in condition at time of loss
274	Block coefficient of fineness of displacement - For ship in fully loaded homogeneous arrival condition	Manual	Intact Stability- Block coefficient of fineness of displacement - For ship in fully loaded homogenous arrival condition
275	Centre of gravity above moulded base line - For ship in condition at time of loss	Manual	Intact Stability- Centre of gravity above moulded base line - For ship in condition at time of loss
276	Centre of gravity above moulded base line - For ship in fully loaded homogeneous arrival condition	Manual	Intact Stability- Centre of gravity above moulded base line - For ship in fully loaded homogeneous arrival condition
277	Height of the centre of gravity	Manual	Vertical coordinate (z) of the centre of gravity above the moulded base line K.
278	Coefficient of fineness of midship section - For ship in condition at time of loss	Manual	Intact Stability- Coefficient of fineness of midship section - For ship in condition at time of loss
279	Coefficient of fineness of midship section - For ship in fully loaded homogeneous arrival condition	Manual	Intact Stability- Coefficient of fineness of midship section - For ship in fully loaded homogeneous arrival condition
280	Coefficient of fineness of water plane - For ship in condition at time of loss	Manual	Intact Stability- Coefficient of fineness of water plane - For ship in condition at time of loss
281	Coefficient of fineness of water plane - For ship in fully loaded homogeneous arrival condition	Manual	Intact Stability- Coefficient of fineness of water plane - For ship in fully loaded homogeneous arrival condition
282	Deck cargo, if any - quantity	Manual	Intact Stability- Deck cargo, if any – quantity

283	Deck cargo, if any - type <b>See list of values for “Cargo information”</b>	Value list	Intact Stability- Deck cargo, if any – type
284	Depth of bar keel, if any	Manual	Intact Stability- Depth of bar keel, if any
285	Displacement - For ship in condition at time of loss	Manual	Intact Stability- Displacement - For ship in condition at time of loss
286	Displacement - For ship in fully loaded homogeneous arrival condition	Manual	Intact Stability- Displacement - For ship in fully loaded homogeneous arrival condition
287	Distance between centre of lateral area of ships profile exposed to wind and corresponding waterline - For ship in condition at time of loss	Manual	Intact Stability- Distance between centre of lateral area of ships profile exposed to wind and corresponding waterline - For ship in condition at time of loss
288	Distance between centre of lateral area of ships profile exposed to wind and corresponding waterline - For ship in fully loaded homogeneous arrival condition	Manual	Intact Stability- Distance between centre of lateral area of ships profile exposed to wind and corresponding waterline - For ship in fully loaded homogeneous arrival condition
289	Distance between the transverse metacentre and centre of Buoyancy - For ship in condition at time of loss	Manual	Intact Stability- Distance between the transverse metacentre and centre of Buoyancy - For ship in condition at time of loss
290	Distance between the transverse metacentre and centre of Buoyancy - For ship in fully loaded homogeneous arrival condition	Manual	Intact Stability- Distance between the transverse metacentre and centre of Buoyancy - For ship in fully loaded homogeneous arrival condition
291	Draught (amidships) - For ship in fully loaded homogeneous arrival condition	Manual	Intact Stability- Draught (amidships) - For ship in fully loaded homogeneous arrival condition
292	Enclosed superstructures and deck-houses above the deck to which D was measured - Height	Manual	Intact Stability- Enclosed superstructures and deck-houses above the deck to which D was measured – Height
293	Enclosed superstructures and deck-houses above the deck to which D was measured - Length	Manual	Intact Stability- Enclosed superstructures and deck-houses above the deck to which D was measured – Length
294	Enclosed superstructures and deck-houses above the deck to which D was measured - Name	Manual	Intact Stability- Enclosed superstructures and deck-houses above the deck to which D was measured – Name
295	Estimated rolling period (P-S-P) - For ship in condition at time of loss	Manual	Intact Stability- Estimated rolling period (P-S-P) - For ship in condition at time of loss
296	Estimated rolling period (P-S-P) - For ship in fully loaded homogeneous arrival condition	Manual	Intact Stability- Estimated rolling period (P-S-P) - For ship in fully loaded homogeneous arrival condition
297	Height of centre of buoyancy above moulded base line - For ship in condition at time of loss	Manual	Intact Stability- Height of centre of buoyancy above moulded base line - For ship in condition at time of loss
298	Height of centre of buoyancy above moulded base line - For ship in fully loaded homogeneous arrival condition	Manual	Intact Stability- Height of centre of buoyancy above moulded base line - For ship in fully loaded homogeneous arrival condition
299	Extent water trapped on deck	Manual	Intact Stability- Extent water trapped on deck

300	Lateral area of ships profile (including erections, etc.) exposed to wind - For ship in condition at time of loss	Manual	Intact Stability- Lateral area of ships profile (including erections, etc.) exposed to wind - For ship in condition at time of loss
301	Lateral area of ships profile (including erections, etc.) exposed to wind - For ship in fully loaded homogeneous arrival condition	Manual	Intact Stability- Lateral area of ships profile (including erections, etc.) exposed to wind - For ship in fully loaded homogenous arrival condition
302	Lightship displacement	Manual	It is the displacement of a ship in tonnes without cargo, fuel, lubricating oil, ballast water, fresh water and feedwater in tanks, consumable stores, and passengers and crew and their effects.
304	Maximum righting lever	Manual	It is the maximum value of the curve of righting levers plotted against the angle of inclination.
305	Metacentric height (uncorrected) - For ship in condition at time of loss	Manual	Intact Stability- Metacentric height (uncorrected) - For ship in condition at time of loss
306	Metacentric height (uncorrected) - For ship in fully loaded homogeneous arrival condition	Manual	Intact Stability- Metacentric height (uncorrected) - For ship in fully loaded homogenous arrival condition
307	Quantity of ballast water, if any	Manual	Intact Stability- Quantity of ballast water, if any
308	Rated amplitude of roll (maximum) - For ship in condition at time of loss	Manual	Intact Stability- Rated amplitude of roll (maximum) - For ship in condition at time of loss
309	Rated amplitude of roll (maximum) - For ship in fully loaded homogeneous arrival condition	Manual	Intact Stability- Rated amplitude of roll (maximum) - For ship in fully loaded homogenous arrival condition
310	Reduction in GM due to any free surface of liquids - For ship in condition at time of loss	Manual	Intact Stability- Reduction in GM due to any free surface of liquids - For ship in condition at time of loss
311	Reduction in GM due to any free surface of liquids - For ship in fully loaded homogeneous arrival condition	Manual	Intact Stability- Reduction in GM due to any free surface of liquids - For ship in fully loaded homogenous arrival condition
312	Righting lever (GZ) for angle of heel = 0° (accident conditions)	Manual	Righting lever (GZ) based upon centre of gravity (G) corrected for any free surfaces, for 0° angle of heel - conditions at the time of ship loss or accident.
313	Righting lever (GZ) for angle of heel = 0° (arrival conditions)	Manual	Righting lever (GZ) based upon centre of gravity (G) corrected for any free surfaces, for 0° angle of heel - ship in the arrival condition (10% stores, fuel, etc).
314	Righting lever (GZ) for angle of heel = 10° (accident conditions)	Manual	Righting lever (GZ) based upon centre of gravity (G) corrected for any free surfaces, for 10° angle of heel - conditions at the time of ship loss or accident.
315	Righting lever (GZ) for angle of heel = 10° (arrival conditions)	Manual	Righting lever (GZ) based upon centre of gravity (G) corrected for any free surfaces, for 10° angle of heel - ship in the arrival condition (10% stores, fuel, etc).
316	Righting lever (GZ) for angle of heel = 20° (accident conditions)	Manual	Righting lever (GZ) based upon centre of gravity (G) corrected for any free surfaces,

			for 20° angle of heel - conditions at the time of ship loss or accident.
317	Righting lever (GZ) for angle of heel = 20° (arrival conditions)	Manual	Righting lever (GZ) based upon centre of gravity (G) corrected for any free surfaces, for 20° angle of heel - ship in the arrival condition (10% stores, fuel, etc).
318	Righting lever (GZ) for angle of heel = 30° (accident conditions)	Manual	Righting lever (GZ) based upon centre of gravity (G) corrected for any free surfaces, for 30° angle of heel - conditions at the time of ship loss or accident.
319	Righting lever (GZ) for angle of heel = 30° (arrival conditions)	Manual	Righting lever (GZ) based upon centre of gravity (G) corrected for any free surfaces, for 30° angle of heel - ship in the arrival condition (10% stores, fuel, etc).
320	Righting lever (GZ) for angle of heel = 40° (accident conditions)	Manual	Righting lever (GZ) based upon centre of gravity (G) corrected for any free surfaces, for 40° angle of heel - conditions at the time of ship loss or accident.
321	Righting lever (GZ) for angle of heel = 40° (arrival conditions)	Manual	Righting lever (GZ) based upon centre of gravity (G) corrected for any free surfaces, for 40° angle of heel - ship in the arrival condition (10% stores, fuel, etc).
322	Righting lever (GZ) for angle of heel = 50° (accident conditions)	Manual	Righting lever (GZ) based upon centre of gravity (G) corrected for any free surfaces, for 50° angle of heel - conditions at the time of ship loss or accident.
323	Righting lever (GZ) for angle of heel = 50° (arrival conditions)	Manual	Righting lever (GZ) based upon centre of gravity (G) corrected for any free surfaces, for 50° angle of heel - ship in the arrival condition (10% stores, fuel, etc).
324	Righting lever (GZ) for angle of heel = 60° (accident conditions)	Manual	Righting lever (GZ) based upon centre of gravity (G) corrected for any free surfaces, for 60° angle of heel - conditions at the time of ship loss or accident.
325	Righting lever (GZ) for angle of heel = 60° (arrival conditions)	Manual	Righting lever (GZ) based upon centre of gravity (G) corrected for any free surfaces, for 60° angle of heel - ship in the arrival condition (10% stores, fuel, etc).
326	Righting lever (GZ) for angle of heel = 70° (accident conditions)	Manual	Righting lever (GZ) based upon centre of gravity (G) corrected for any free surfaces, for 70° angle of heel - conditions at the time of ship loss or accident.
327	Righting lever (GZ) for angle of heel = 70° (arrival conditions)	Manual	Righting lever (GZ) based upon centre of gravity (G) corrected for any free surfaces, for 70° angle of heel - ship in the arrival condition (10% stores, fuel, etc).
328	Righting lever (GZ) for angle of heel = 80° (accident conditions)	Manual	Righting lever (GZ) based upon centre of gravity (G) corrected for any free surfaces, for 80° angle of heel - conditions at the time of ship loss or accident.
329	Righting lever (GZ) for angle of heel = 80° (arrival conditions)	Manual	Righting lever (GZ) based upon centre of gravity (G) corrected for any free surfaces, for 80° angle of heel - ship in the arrival condition (10% stores, fuel, etc).
330	Righting lever (GZ) for angle of heel = 90° (accident conditions)	Manual	Righting lever (GZ) based upon centre of gravity (G) corrected for any free surfaces, for 90° angle of heel - conditions at the time of ship loss or accident.
331	Righting lever (GZ) for angle of heel = 90° (arrival conditions)	Manual	Righting lever (GZ) based upon centre of gravity (G) corrected for any free surfaces,



			for 90° angle of heel - ship in the arrival condition (10% stores, fuel, etc).
332	Service conditions	Manual	Intact Stability- Service conditions
333	Was the vessel under action of helm at time of casualty	Manual	Intact Stability- Was the vessel under action of helm at time of casualty
334	Was water trapped on deck	Value list	Intact Stability- Was water trapped on deck
336	Were all vulnerable openings effectively closed at time of casualty	Manual	Intact Stability- Were all vulnerable openings effectively closed at time of casualty
337	Were any special instructions relative to this ship in existence, concerning the maintenance of stability, e.g. filling tanks, etc.	Manual	Intact Stability- Were any special instructions relative to this ship in existence, concerning the maintenance of stability, e.g. filling tanks, etc.
512	Voyage related restriction limits	Manual	Restriction limits for the voyage imposed by the design, crew composition, sea state, etc.
4244	Maximum righting lever (Loss or accident conditions)	Manual	
4245	Angle of maximum stability (Loss or accident conditions)	Manual	
4246	Angle of vanishing stability (Loss or accident conditions)	Manual	

## C.4 – Damage card

Id	Damage card	Value type	Description
131	Any additional information considered useful (details of construction, etc.)	Manual	Damage collision- Any additional information considered useful (details of construction, etc.)
132	Appropriation of breached compartment (s) <b>See values list for “Place on Board”</b>	Value list	Damage collision- Appropriation of breached compartment (s) :
133	Bottom: Area of damage	Manual	Damage collision- Bottom: Area of damage
134	Bottom: Depth of damage	Manual	Damage collision- Bottom: Depth of damage
135	Bottom: Distance from AP to centre of damage	Manual	Damage collision- Bottom: Distance from AP to centre of damage
136	Bottom: Distance from CL to centre of damage	Manual	Damage collision- Bottom: Distance from CL to centre of damage
137	Bottom: Distance from CL to centre of damage (PS OR SB) <b>PS</b> <b>SB</b>	Value list	Damage collision- Bottom: Distance from CL to centre of damage (PS OR SB)
138	Bottom: Height of damage	Manual	Damage collision- Bottom: Height of damage
139	Bottom: Length of damage	Manual	Damage collision- Bottom: Length of damage
140	Damaged ship <b>Striking (Striking)</b> <b>Struck (Struck)</b> <b>n.a. (n.a.)</b>	Value list	Damage collision- Damaged ship
142	Dimensions and location of bottom damage	Value list	Damage collision- Dimensions and location of bottom damage:
143	Dimensions and location of the side damage	Value list	Damage collision- Dimensions and location of the side damage
144	Draft before damage - Aft	Manual	Damage collision- Draft before damage – Aft
145	Draft before damage - Fore	Manual	Damage collision- Draft before damage – Fore
146	Height of subdivision deck	Manual	Damage collision- Height of subdivision deck
147	If there was a double bottom in the damaged area, indicate whether the inner bottom was breached	Value list	Damage collision- If there was a double bottom in the damaged area, indicate whether the inner bottom was breached
148	Manner of sinking	Manual	Damage collision- Manner of sinking

149	Number of compartments flooded	Manual	Damage collision- Number of compartments flooded
150	Position of watertight bulkheads in vicinity of damage (distance from AP) - aft	Manual	Damage collision- Position of watertight bulkheads in vicinity of damage (distance from AP) – aft
151	Position of watertight bulkheads in vicinity of damage (distance from AP) - fore	Manual	Damage collision- Position of watertight bulkheads in vicinity of damage (distance from AP) – fore
152	Side: Area of damage	Manual	Damage collision- Side: Area of damage
153	Side: Distance from AP to centre of damage	Manual	Damage collision- Side: Distance from AP to centre of damage
154	Side: Distance from baseline to the lower point of damage	Manual	Damage collision- Side: Distance from baseline to the lower point of damage
155	Side: Height of damage - h	Manual	Damage collision- Side: Height of damage – h
156	Side: Height of damage - h1	Manual	Damage collision- Side: Height of damage - h1
157	Side: Length of damage - l	Manual	Damage collision- Side: Length of damage – l
158	Side: Length of damage - l1	Manual	Damage collision- Side: Length of damage - l1
159	Side: Penetration of damage - b	Manual	Damage collision- Side: Penetration of damage – b
160	Side: Penetration of damage - b1	Manual	Damage collision- Side: Penetration of damage - b1
161	Striking ship bow geometry : x1	Manual	Damage collision- Striking ship bow geometry : x1
162	Striking ship bow geometry : x2	Manual	Damage collision- Striking ship bow geometry : x2
163	Striking ship bow geometry : x3	Manual	Damage collision- Striking ship bow geometry : x3
164	Striking ship bow geometry : y1	Manual	Damage collision- Striking ship bow geometry : y1
165	Striking ship bow geometry : y2	Manual	Damage collision- Striking ship bow geometry : y2
166	Time taken to sink after collision	Manual	Damage collision- time taken to sink after collision
167	Was a transverse subdivision bulkhead damaged?	Value list	Damage collision- Was a transverse subdivision bulkhead damaged?
168	Was the collision bulkhead damaged?	Value list	Damage collision- Was the collision bulkhead damaged?
169	Was there a double bottom in the damaged area?	Value list	Damage collision- Was there a double bottom in the damaged area?
170	Was there a separate penetration from the bulbous bow?	Value list	Damage collision- Was there a separate penetration from the bulbous bow?
4211	Draft after damage - Aft	Manual	Draft after damage – Aft
4212	Draft after damage - Fore	Manual	Draft after damage – Fore
4213	Draft after damage - Mid (calc.)	Manual	Draft after damage - Mid (calc.)

4214	Damage type <b>Breakage/crevice (Breakage/crevice)</b> <b>Dent/deformation (Dent/deformation)</b> <b>Other (Other)</b> <b>Strong deformation (Strong deformation)</b>	Value list	Damage type
4215	Hole in ship	Value list	Hole in ship
4216	Ship side <b>Portside</b> <b>Starboard</b> <b>Bottom</b>	Value list	Ship side
4217	Position - reference to WL <b>Below and above (Below and above)</b> <b>Above but not below (Above but not below)</b> <b>Below but not above (Below but not above)</b> <b>Within physical limits of ship structure (Within physical limits of ship structure)</b>	Value list	Bottom
4218	Damaged position See list of values for “Appropriation of breached compartment (s)”	Value list	Damaged position
4229	Cargo damage	Value list	
4247	Height to WL (m)	Manual	Height to WL (m)

**C.5 - Other**

Id	Other	Value type	Description
4254	Date	Manual	
4255	Subject	Manual	
4256	Note Text	Manual	

## D. CASUALTY ANALYSIS

### D.1 – Casualty events

Id	Events	Value type	Description
199	Casualty sequence	Manual	Sequence of casualty events.
520	<p>Casualty Event</p> <p><b>Capsizing/Listing (Capsizing/Listing)</b></p> <p>    <b>Capsizing (Capsizing)</b></p> <p>    <b>Listing (Listing)</b></p> <p><b>Collision (Collision)</b></p> <p>    <b>With other ship (With other ship)</b></p> <p>    <b>With multiple ships (With multiple ships)</b></p> <p>    <b>Ship not underway (Ship not underway)</b></p> <p><b>Contact (Contact)</b></p> <p>    <b>Floating object (Floating object)</b></p> <p>        <b>Cargo (Cargo)</b></p> <p>        <b>Ice (Ice)</b></p> <p>        <b>Other (Other)</b></p> <p>        <b>Unknown (Unknown)</b></p> <p>    <b>Fixed object (Fixed object)</b></p> <p>    <b>Flying object (Flying object)</b></p> <p><b>Damage to ship or equipment (Damage to ship or equipment)</b></p> <p><b>Grounding/stranding (Grounding/stranding)</b></p> <p>    <b>Drift (Drift)</b></p> <p>    <b>Power (Power)</b></p> <p><b>Fire/Explosion (Fire/Explosion)</b></p> <p>    <b>Fire (Fire)</b></p>	Value list	<p>Casualty events are unwanted events in which there was some kind of energy release with impact on people and/or ship and its cargo or environment.</p> <p>The initial casualty will be the one that appears in the notification and it will be shown in first place in the investigation navigation tree.</p>

	<p><b>Explosion (Explosion)</b></p> <p><b>Flooding/Foundering (Flooding/Foundering)</b></p> <p><b>Foundering (Foundering)</b></p> <p><b>Flooding (Flooding)</b></p> <p><b>Progressive (Progressive)</b></p> <p><b>Massive (Massive)</b></p> <p><b>Loss of control (Loss of control)</b></p> <p><b>Loss of electrical power (Loss of electrical power)</b></p> <p><b>Loss of propulsion power (Loss of propulsion power)</b></p> <p><b>Loss of directional control (Loss of directional control)</b></p> <p><b>Loss of containment (Loss of containment)</b></p> <p><b>Hull failure (Hull failure)</b></p> <p><b>Missing (Missing)</b></p> <p><b>Non-accidental event (Non-accidental event)</b></p> <p><b>Acts of war (Acts of war)</b></p> <p><b>Criminal acts (Criminal acts)</b></p> <p><b>Illegal discharge (Illegal discharge)</b></p> <p><b>Other (Other)</b></p>		
521	<p>Deviation</p> <p>See list of values for “Deviation”</p>	Value list	Last event deviating from normality and leading to the occupational accident.
522	<p>Occupational accident type</p> <p>See list of values for “Occupational accident type”</p>	Value list	The mode in which a person (crewmember, passenger or other person) was injured or killed, classified as occupational accident.

## D.2 – Accidental events

### D.2.1 – Environmental effect

Id	Environmental effect	Value type	Description
35	Waves direction rel. to ship head	Manual	Casualty data- Waves direction rel. to ship head
37	Wind direction rel. to ship head	Manual	Casualty data- Wind direction rel. to ship head
174	Impact Impact: Leeway - drift (Leeway) Impact: Impact (Impact) Impact: Roll, heave, etc. (Roll, heave, etc.) Impact: Squat (Squat) Impact: Reduced steering ability (Reduced steering ability) Impact: Unstable course (Unstable course) Impact: Green/white water (Green/white water) Impact: List (List) Impact: Reduced visibility (Reduced visibility) Impact: Inadequate light (Inadequate light) Impact: Inflow, flooding (Inflow, flooding) Impact: Outflow (Outflow) Stuck in the ice (Stuck in the ice)	Value list	Environmental effect- Impact
175	Phenomenon Phenomenon: Wind (Wind) Phenomenon: Wave (Wave) Phenomenon: Current (Current) Phenomenon: Tide (Tide) Phenomenon: Shallow water (Shallow water) Phenomenon: Channel effect (Channel effect)	Value list	The nature of the environmental effect



	<p><b>Phenomenon: Hydrostatic head (Hydrostatic head)</b></p> <p><b>Phenomenon: Light (Light)</b></p> <p><b>Phenomenon: Whiteout (Whiteout)</b></p> <p><b>Phenomenon: Fog, haze, smoke (Fog, haze, smoke)</b></p> <p><b>Phenomenon: Rain, snow, hail (Rain, snow, hail)</b></p> <p><b>Phenomenon: Icing (Icing)</b></p> <p><b>Phenomenon: Debris storm (Debris storm)</b></p> <p><b>Phenomenon: Multi-phenomenon (Multi-phenomenon)</b></p> <p><b>Other vessel interference (Other vessel interference)</b></p> <p><b>Phenomenon: (Uncharted underwater obstruction)</b></p> <p><b>Phenomenon: (Rope/Net (own vessel's))</b></p> <p><b>Phenomenon: (Rope/Net (other or source unknown))</b></p> <p><b>Phenomenon: Natural disaster/Tsunami (Natural disaster/Tsunami)</b></p>		
192	Actor	Manual	Force(s) of Nature
193	Casualty stage See list of values for “Accident / Casualty stage”	Value list	The stage of the accidental event, just after or during the accident or during the emergency response to the accident.
195	Event Description	Manual	Describe the event which means the action carry out by the actor during a certain period of time.
196	<p>Event Type</p> <p><b>Accidental event: Equipment failure (Equipment failure)</b></p> <p><b>Accidental event: Hazardous material (Hazardous material)</b></p> <p><b>Accidental event: Environmental effect (Environmental effect)</b></p> <p><b>Accidental event: Human erroneous action (Human erroneous action)</b></p> <p><b>Accidental event: Other agent or vessel (Other agent or vessel)</b></p> <p><b>Unknown (Unknown)</b></p>	Value list	Factors like wind, waves, ice and current may have a significant effect on the behaviour of the vessel. These factors may not necessarily show extreme strength in order to feature in the casualty or accident sequence.
198	Place actor on board See list of values for “Place on board”	Value list	Place on board of the ship where the actor was when the accident occurred.

D.2.2 – Equipment failure

Id	Equipment failure	Value type	Description
188	Damage class Class I Class II Class III Class IV	Value list	Damage class qualifies the casualty event - Hull failure according to the (potential) danger to the ship
189	The manner in which a machine or equipment of a system fails. Structure failure Deformation (bulges, deflections, buckling) Fractured (breaks or incipient cracks) Penetrated, holed Physical binding or jamming Vibration Fails to remain (in position) Fails to open Fails to close Fails open Fails closed Internal leakage External leakage Fails out of tolerance (high) Fails out of tolerance (low) Inadvertent operation Intermittent operation Erratic operation Erroneous indication Restricted flow False actuation Fails to stop Fails to start Fails to switch Premature operation Delayed operation	Value list	The manner in which a machine or equipment of a system fails. Generally describes the way the failure occurs and its impact on equipment operation.

	<p>Erroneous input (increased)                  Erroneous input (decreased)                  Erroneous output (increased)                  Erroneous output (decreased)                  Loss of input                  Loss of output                  Shorted (electrical)                  Open (electrical)                  Leakage (electrical)                  Other</p>		
190	<p>Immediate physical cause                  Corrosion (Corrosion)                      General corrosion (General corrosion)                      Stress corrosion, lack of access (Local corrosion)                      (% scattered) (Pitting)                  Erosion (Erosion)                  Wear (Wear)                  Fatigue (Fatigue)                      Hydrodynamic source (Hydrodynamic source)                      Mechanical source (Mechanical source)                      Inadequate design (Inadequate design)                  Inappropriate design (Inappropriate design)                      Non-compliance with standards (Non-compliance with standards)                      Ignorance of actual loads (Ignorance of actual loads)                      Inadequate initial design (Inadequate initial design)                  Material defect (Material defect)                  Overload (Overload)                      Ex. external contact (Accident damage)                      Loading, ballast, cranes, etc. (Operational (mishandling))                      Heavy weather (Heavy weather)</p>	Value list	<p>The final basic reason for the failure or which initiate the physical process by which deterioration proceeds to failure, in a series of events leading to a particular result or consequence therefore very close or connected in space or time.</p>

	<p><b>Workmanship (Workmanship)</b></p> <ul style="list-style-type: none"> <li><b>Material standards (Material standards)</b></li> <li><b>Poor alignment (Poor alignment)</b></li> <li><b>Poor welding (Poor welding)</b></li> <li><b>Poor finish/omissions (Poor finish/omissions)</b></li> <li><b>Initial deformation (Initial deformation)</b></li> </ul> <p><b>Flooded (Flooded)</b></p> <p><b>Not installed (Not installed)</b></p> <p><b>Not in operation (Not in operation)</b></p>		
191	<p>System of the equipment</p> <ul style="list-style-type: none"> <li><b>Auxiliary machinery (Auxiliary machinery)</b></li> <li><b>Ballast (Ballast)</b></li> <li><b>Bilge, drain (Bilge, drain)</b></li> <li><b>Cargo (Cargo)</b></li> <li><b>Cargo securing (Cargo securing)</b></li> <li><b>Cargo tank venting (Cargo tank venting)</b></li> <li><b>COLREG (COLREG)</b></li> <li><b>Compressed air (Compressed air)</b></li> <li><b>COW (COW)</b></li> <li><b>Deck machinery (Deck machinery)</b></li> <li><b>Doors/hatches/ports, etc (Doors/hatches/ports, etc)</b></li> <li><b>Dredging (Dredging)</b></li> <li><b>Electrical installation (Electrical installation)</b></li> <li><b>Exhaust gas cleaning (Exhaust gas cleaning)</b></li> <li><b>Fire protection (Fire protection)</b></li> <li><b>Fishing gear (Fishing gear)</b></li> <li><b>Fixtures/fittings (Fixtures/fittings)</b></li> </ul>	Value list	A set of interacting or interdependent physical or technological entities forming an integrated whole

	<p>Fresh water (Fresh water)</p> <p>Fuel (Fuel)</p> <p>IGS (IGS)</p> <p>Internal communication, alarms except rel. to fire (Internal communication, alarms except rel. to fire)</p> <p>Lifesaving appliances (Lifesaving appliances)</p> <p>Lubrication (Lubrication)</p> <p>Manoeuvrability (Manoeuvrability)</p> <p>Navigation (Navigation)</p> <p>Other (Other)</p> <p>Pollution prevention (Pollution prevention)</p> <p>Propulsion machinery (Propulsion machinery)</p> <p>Radio-communication (Radio-communication)</p> <p>Sewage (Sewage)</p> <p>Ship structure (Ship structure)</p> <p>Stability (Stability)</p> <p>Steam generation (Steam generation)</p> <p>Stripping (Stripping)</p> <p>Ventilation (Ventilation)</p>		
1192	<p>Actor</p> <p>See list of values for “EMCIP Keywords”</p>	Value list	Any type of equipment or a piece of an equipment.
1193	<p>Casualty stage</p> <p>See list of values for “Accident / Casualty stage”</p>	Value list	The stage of the accidental event, just after or during the accident or during the emergency response to the accident.
1195	Event Description	Manual	Describe the event which means the action carry out by the actor during a certain period of time.
1196	<p>Event Type</p> <p>See list of values for “Event type”</p>	Value list	A system module (subsystem) or component that does not function as intended due to some sort of breakdown. Loss of function may also be the result of operating outside the specified performance criteria (eg. overload, overcapacity).
1198	Place actor on board	Value list	Place actor on board

	<b>See list of values for “ Place on board”</b>		
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D.2.3 – Hazardous material

Id	Hazardous material	Value type	Description
243	<p>Failure type</p> <p><b>Hazardous failure type: Cargo liquefaction (Cargo liquefaction)</b></p> <p><b>Hazardous failure type: Cargo shifting (Cargo shifting)</b></p> <p><b>Hazardous failure type: Chemical reaction (Chemical reaction)</b></p> <p>    <b>Chemical reaction: Corrosive effects (Corrosive effects)</b></p> <p>    <b>Chemical reaction: Dust effects (Dust effects)</b></p> <p>    <b>Chemical reaction: Explosive mixture (Explosive mixture)</b></p> <p>    <b>Chemical reaction: Poisoning substances (Poisoning substances)</b></p> <p>    <b>Chemical reaction: Flammable mixture (Flammable mixture)</b></p> <p>    <b>Chemical reaction: Radiation (Radiation)</b></p> <p>    <b>Chemical reaction: Spontaneous combustion (Spontaneous combustion)</b></p> <p>    <b>Chemical reaction: Toxic fumes (Toxic fumes)</b></p> <p><b>Hazardous failure type: Insufficient stability (Insufficient stability)</b></p> <p><b>Hazardous failure type: Overflow/leak/escape (Overflow/leak/escape)</b></p> <p><b>Hazardous failure type: Oxygen (Oxygen)</b></p> <p><b>Hazardous failure type: Structural damage (Structural damage)</b></p> <p><b>Hazardous failure type: Other (Other)</b></p>	Value list	<p>Critical events associated with the presence of:</p> <ul style="list-style-type: none"> <li>- Explosive, flammable or toxic material, where the main sources are cargo and fuel of any kind;</li> <li>- Cargo, equipment or other objects not secured or not contained;</li> <li>- Wrong distribution of cargo, equipment or other objects on board of the ship</li> <li>- Other types of material on board of the ship that due to its condition could be considered dangerous.</li> </ul>
244	<p>Hazard</p> <p><b>Hazard: Cargo distribution - Improper (Cargo distribution - Improper)</b></p> <p><b>Hazard: Cargo moisture content (Cargo moisture content)</b></p> <p><b>Hazard: Empty space - Not gas free (Empty space - Not gas free)</b></p> <p><b>Hazard: Hot work (Hot work)</b></p> <p><b>Hazard: Loaded space (Loaded space)</b></p> <p><b>Hazard: Obstruction (Obstruction)</b></p> <p><b>Hazard: Improper securing (Improper securing)</b></p>	Value list	Hazardous material- Hazard

	<p><b>Hazard: Storing (Storing)</b></p> <p><b>Hazard: Incompatible dangerous goods (Incompatible dangerous goods)</b></p> <p><b>Hazard: Limitation of volumes (Limitation of volumes)</b></p> <p><b>Hazard: Improper storage conditions (Segregation) (Improper storage conditions)</b></p> <p><b>Hazard: Second containment in case of release (Second containment)</b></p> <p><b>Hazard: Adequate fire protection (Adequate fire protection)</b></p> <p><b>Hazard: Improper marking and label (Improper marking and label)</b></p> <p><b>Hazard: Trimming - Improper (Trimming - Improper)</b></p> <p><b>Hazard: Ventilation (Ventilation)</b></p> <p><b>Hazard: Other (Other)</b></p>		
245	Material <sup>1</sup>	Value list	Hazardous material- Material
246	<p>Type of material</p> <p><b>Type of material table : Cargo (Cargo)</b></p> <p><b>Type of material table : Deck stores (Deck stores)</b></p> <p><b>Type of material table : Engine stores (Engine stores)</b></p> <p><b>Type of material table : Fuel (Fuel)</b></p> <p><b>Type of material table : Provisions (Provisions)</b></p> <p><b>Type of material table : Residues/wastes (Residues/wastes)</b></p> <p><b>Residues/wastes: Oily waste (Oily waste)</b></p> <p><b>Residues/wastes: NLS waste (NLS waste)</b></p> <p><b>Residues/wastes: Garbage (Garbage)</b></p> <p><b>Residues/wastes: Sewage (Sewage)</b></p> <p><b>Residues/wastes: Ozone-depleting substances (Ozone-depleting substances)</b></p> <p><b>Residues/wastes: Exhaust gas-cleaning residues (Exhaust gas-cleaning residues)</b></p>	Value list	Hazardous material- Type of material

<sup>1</sup> Values for this attribute comprise a list of dangerous materials



	<b>Type of material table : Other (Other)</b>		
2192	Actor	Manual	It is any type of material or substance no matter the state (solid, liquid or gas/vapour).
2193	Casualty stage <b>See list of values for “Accident / Casualty stage”</b>	Value list	The stage of the accidental event, just after or during the accident or during the emergency response to the accident.
2195	Event Description	Manual	Describe the event which means the action carry out by the actor during a certain period of time.
2196	Event Type <b>See list of values for “Event type”</b>	Value list	Critical events associated with the presence of: - Explosive, flammable or toxic material, where the main sources are cargo and fuel of any kind; - Cargo, equipment or other objects not secured or not contained; - Wrong distribution of cargo, equipment or other objects on board of the ship.
2198	Place actor on board <b>See list of values for “ Place on board”</b>	Value list	Place actor on board

## D.2.4 – Human erroneous action

Id	Human erroneous action	Value type	Description
213	Duration of the sleep (24h past period before the casualty)	Manual	Fatigue- Duration of the sleep (24h past period before the casualty)
214	Hours of rest (last 24 hours)	Manual	Time outside hours of work in the 24-hour period before the accident. It does not include short breaks. The minimum hours of rest shall not be less than ten hours in any 24-hour period.
215	Hours of rest (last 7 days)	Manual	Time outside hours of work in the 7-day period before the accident. It does not include short breaks. The minimum hours of rest shall not be less than 77 hours in any 7-day period.
216	Duty-time before accident	Manual	Fatigue-Duty-time before accident
217	Inadequate design factors <b>Lighting (Lighting)</b> <b>Noise (Noise)</b> <b>Vibrations (Vibrations)</b> <b>Ventilation (Ventilation)</b> <b>Temperature (Temperature)</b> <b>Humidity (Humidity)</b> <b>Ship motions (Ship motions)</b> <b>Design of Ship (Design of Ship)</b> <b>Anthropometric factors (Anthropometric factors)</b> <b>Reliability of the equipment (Reliability of the equipment)</b> <b>Level of Automation (Level of Automation)</b> <b>Level of Redundancy (Level of Redundancy)</b> <b>Quality of working (Quality of working)</b> <b>Quality of living conditions (Quality of living conditions)</b> <b>Other (Other)</b>	Value list	Fatigue- Inadequate design factors
218	Jet lag	Manual	A physiological condition which results from alterations to the body's circadian rhythms resulting from rapid long-distance transmeridian (east–west or west–east)

			travel on high-speed aircraft.
219	Nr. of simultaneous goals	Manual	Fatigue- Nr. of simultaneous goals
220	Poor quality of sleep - sleep with interruptions	Value list	Fatigue- Poor quality of sleep - sleep with interruptions
221	Quantity of sleep (7-days)	Manual	Fatigue- Quantity of sleep (7-days)
222	Time of day/Human circadian rhythm <b>Unadjusted</b> <b>Adjusted</b>	Value list	Fatigue- Time of day/Human circadian rhythm
223	Number of rest periods	Manual	Number of rest periods
224	Longest rest period	Manual	Longest rest period
247	Age of the actor	Manual	Time in years between the birth date and the date of the casualty. The employment, engagement or work on board a ship of any person under the age of 16 is prohibited.
248	Current qualification	Manual	Human Erroneous Action- Current qualification
249	<p>Error modes</p> <p><b>Error Modes: Action at a wrong time (Action at a wrong time)</b></p> <p><b>General effects: Timing (Timing)</b></p> <p><b>Too early - Definition: An action started too early, before a signal was given or the required conditions had been established, (premature action) (Too early)</b></p> <p><b>Too late - Definition: An action started too late, (delay action) (Too late)</b></p> <p><b>Omission - Definition: An action that was not done at all (within the time interval allowed) (Omission)</b></p> <p><b>General effects: Duration (Duration)</b></p> <p><b>Too long - Definition: An action that continued beyond the point when it should have stopped (Too long)</b></p> <p><b>Too short - Definition: An action that was stopped before it should have been (Too short)</b></p> <p><b>Error Modes: Action at a wrong type (Action at a wrong type)</b></p> <p><b>General effects: Force (Force)</b></p>	Value list	Categories describing how an incorrect or erroneous action can manifest itself

	<p><b>Too little - Definition: Insufficient force (Too little)</b></p> <p><b>Too much - Definition: Surplus force, too much effort (Too much)</b></p> <p><b>General effects: Distance/magnitude (Distance/magnitude)</b></p> <p><b>Too far - Definition: A movement taken too far (Too far)</b></p> <p><b>Too short - Definition: A movement not taken far enough (Too short)</b></p> <p><b>General effects: Speed (Speed)</b></p> <p><b>Too fast - Definition: An action performed too quickly, with too much speed or finished too early (Too fast)</b></p> <p><b>Too slow - Definition: An action performed too slowly, with too little speed or finished too late (Too slow)</b></p> <p><b>General effects: Direction (Direction)</b></p> <p><b>Wrong direction - Definition: Movement in the wrong direction e.g. forwards instead of backwards or left instead of right (Wrong direction)</b></p> <p><b>Wrong movement type - Definition: The wrong kind of movement, such as pulling a knob instead o turning it (Wrong movement type)</b></p> <p><b>Error Modes: Action at a wrong object (Action at a wrong object)</b></p> <p><b>General effects:Wrong object (Wrong object)</b></p> <p><b>Neighbour - Definition: An object that is in physical proximity to the object that should have been used (Neighbour)</b></p> <p><b>Similar object - Definition: An object that is similar appearance to the object that should have been used (Similar object)</b></p> <p><b>Unrelated object - Definition: An object that used by mistake, even though it had no obvious relation to the object that should have been used (Unrelated object)</b></p> <p><b>Error Modes: Action at a wrong place (Action at a wrong place)</b></p> <p><b>General effects: Sequence (Sequence)</b></p> <p><b>Omission - Definition: An action that was not carried out. This includes in particular the omission of the last action(s) of a series (Omission)</b></p> <p><b>Jump forward - Definition: One or more actions in a sequence were</b></p>		
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	<p><b>skipped (Jump forward)</b></p> <p><b>Jump backwards - Definition: One or more earlier action that has been carried out, it is carried out again (Jump backwards)</b></p> <p><b>Repetition - Definition: The previous action is repeated (Repetition)</b></p> <p><b>Reversal - Definition: The order of two neighbouring actions is reverse (Reversal)</b></p> <p><b>Wrong action - Definition: An extraneous or irrelevant action is carried out (Wrong action)</b></p>		
250	<p>Gender</p> <p>See list of values for “Gender”</p>	Value list	Human Erroneous Action- Gender
251	Inadequate handover	Manual	Inadequate handover procedures to the “new” crew during relieving or “crew change”.
252	<p>Interpretation</p> <p><b>Interpretation - General effects: Faulty diagnosis (Faulty diagnosis)</b></p> <p><b>Wrong diagnosis - Definition: The diagnosis of the situation or system state is incorrect (Wrong diagnosis)</b></p> <p><b>Incomplete diagnosis - Definition: The diagnosis of the situation or system state is incomplete (Incomplete diagnosis)</b></p> <p><b>Interpretation - General effects: Wrong reasoning (Wrong reasoning)</b></p> <p><b>Induction error - Definition: Faulty reasoning involving interferences or generalisations (going from specific to general) leading to invalid results (Induction error)</b></p> <p><b>Deduction error - Definition: Faulty reasoning involving deduction (going from general to specific) leading to invalid results (Deduction error)</b></p> <p><b>Wrong priorities - Definition: The selection among alternatives (hypotheses, explanations, interpretations) using incorrect criteria, hence leading to invalidate results (Wrong priorities)</b></p> <p><b>Interpretation - General effects: Decision error (Decision error)</b></p> <p><b>Decision paralysis - Definition: Inability to make a decision in a situation (Decision paralysis)</b></p> <p><b>Wrong decision - Definition: Making the wrong decision (typically about</b></p>	Value list	It is a function that is invoked when a person tries to determine what the situation is and it is used as a common label for understanding, diagnosis and evaluation

	<p><b>action alternatives) (Wrong decision)</b></p> <p><b>Partial decision - Definition: Making a decision that does not completely specify what to do hence creates a need for further decisions to complete the course of action (Partial decision)</b></p> <p><b>Interpretation - General effects: Delayed interpretation (Delayed interpretation)</b></p> <p><b>No identification - Definition: Identification is not made in time (for appropriate action to be taken) (No identification)</b></p> <p><b>Increased time pressure - Definition: An identification is not made fast enough, e.g. because the reasoning involved is difficult, leading to a time pressure (Increased time pressure)</b></p> <p><b>Interpretation - General effects: Incorrect prediction (Incorrect prediction)</b></p> <p><b>Unexpected state change - Definition: A state change occurred which had not been anticipated (Unexpected state change)</b></p> <p><b>Unexpected side-effects - Definition: The event developed in the main as anticipated, but some side-effects had been overlooked (Unexpected side)</b></p> <p><b>Process speed misjudged - Definition: The speed of development (of the system) has been, so things happen either too slowly or too fast (Process speed misjudged)</b></p>		
253	<p>Nationality</p> <p>List of countries of the world</p>	Value list	Human Erroneous Action- Nationality
254	<p>Failed observations</p> <p><b>Observation - General effects: Observation missed (Observation missed)</b></p> <p><b>Overlook cue / signal - Definition: A signal or an event (Overlook cue / signal)</b></p> <p><b>Overlook measurement - Definition: A measurement or some information is missed, usually during a sequence of actions (Overlook measurement)</b></p> <p><b>Observation - General effects: False observation (False observation)</b></p> <p><b>False reaction - Definition: A response is given to an incorrect stimulus or event, e.g. starting to drive when the light changes to red (False reaction)</b></p> <p><b>False recognition - Definition: An event or some information is incorrectly recognised or mistaken for something else (False recognition)</b></p>	Value list	It is a function that is invoked when a person tries to determine what the situation is referring to the consequences of failed observations

	<p><b>Observation - General effects: Wrong identification (Wrong identification)</b></p> <p><b>Mistaken cue - Definition:</b> A signal or a cue is misunderstood as something else. The difference from “false reaction” is that it does not immediately lead to an action (Mistaken cue)</p> <p><b>Partial identification - Definition:</b> The identification of an event or some information is incomplete, e.g. as in jumping to a conclusion (Partial identification)</p> <p><b>Incorrect identification - Definition:</b> The identification of an event or some information is incorrect. The difference from “false recognition” is that identification is more deliberate process (Incorrect identification)</p>		
255	<p>On duty</p> <p>Yes – on duty prior to casualty</p> <p>No</p> <p>Unknown</p>	Value list	If the actor was assigned to a ship's task.
256	<p>Permanent condition</p> <p><b>General: Cognitive bias (Cognitive bias)</b></p> <p><b>Attribution error - Definition:</b> Events are (mistakenly) seen as being caused by specific phenomena or factors (Attribution error)</p> <p><b>Confirmation bias - Definition:</b> Search for data or information is restricted to that which will confirm current assumptions (Confirmation bias)</p> <p><b>Focus gambling - Definition:</b> Search for data and information changes in an opportunistic way, rather than systematically (Focus gambling)</p> <p><b>Incorrect revision of probabilities - Definition:</b> New information does not lead to a proper adjustment of probabilities – either a conservative or a too radical effect (Incorrect revision of probabilities)</p> <p><b>Hindsight bias - Definition:</b> Interpretation of past events is influenced by knowledge of the outcome (Hindsight bias)</p> <p><b>Hypothesis fixation - Definition:</b> Search for information and action alternatives is constrained by strong hypothesis about what the current problem is (Hypothesis fixation)</p> <p><b>Illusion of control - Definition:</b> Person mistakenly believes that the chosen</p>	Value list	Human Erroneous Action- Permanent condition

	<p>actions control the developments in the system (Illusion of control)</p> <p><b>General: Cognitive style (Cognitive style)</b></p> <p><b>Conservative focusing - Definition:</b> Search for data and information starts from the assumption of which the various aspects are examined one by one (Conservative focusing)</p> <p><b>Simultaneous scanning - Definition:</b> Search for data and information is accomplished by looking for several things at the same time (Simultaneous scanning)</p> <p><b>Successive scanning - Definition:</b> Search for data and information is accomplished by looking at one thing at a time (Successive scanning)</p> <p><b>General: Functional impairment (Functional impairment)</b></p> <p><b>Bad eyesight - Definition:</b> These specific effects refer to well-defined functional impairments, mostly of a psycho-physical nature. They are therefore not defined further (Bad eyesight)</p> <p><b>Colour blindness - Definition:</b> These specific effects refer to well-defined functional impairments, mostly of a psycho-physical nature. They are therefore not defined further (Colour blindness)</p> <p><b>Dyslexia/aphasia - Definition:</b> These specific effects refer to well-defined functional impairments, mostly of a psycho-physical nature. They are therefore not defined further (Dyslexia/aphasia)</p> <p><b>Hearing deficiency - Definition:</b> These specific effects refer to well-defined functional impairments, mostly of a psycho-physical nature. They are therefore not defined further (Hearing deficiency)</p> <p><b>Inappropriate height, strength, etc. - Definition:</b> These specific effects refer to well-defined functional impairments, mostly of a psycho-physical nature. They are therefore not defined further (Inappropriate height, strength, etc.)</p> <p><b>Restricted body movements - Definition:</b> These specific effects refer to well-defined functional impairments, mostly of a psycho-physical nature. They are therefore not defined further (Restricted body movements)</p> <p><b>Other disability - Definition:</b> These specific effects refer to well-defined functional impairments, mostly of a psycho-physical nature. They are therefore not defined further (Other disability)</p>		
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257	<p>Planning is define the course of actions</p> <p><b>Planning - General effects: Inadequate plan (Inadequate plan)</b></p> <p><b>Incomplete plan - Definition: The plan is not complete, i.e., it does not contain all the details needed when it is carried out. This can have serious consequences later in time (Incomplete plan)</b></p> <p><b>Wrong plan - Definition: The plan is wrong, in the sense that it will not achieve its purpose (Wrong plan)</b></p> <p><b>Planning - General effects: Priority error (Priority error)</b></p> <p><b>Wrong goal selected - Definition: The goal has been wrongly selected, and the plan will therefore not be effective (cf. the conventional definition of a mistake) (Wrong goal selected)</b></p>	Value list	<p>Planning includes all functions that have to do with setting out the detailed course of action, e.g. choosing or scheduling</p>
258	Present rank	Manual	Human Erroneous Action- Present rank
259	Previous experience (ship ...)	Manual	Previous experience with the type of ship, or cargo, or equipment.
260	<p>Rank</p> <p>See list of values for "Rank"</p>	Value list	Rank of the actor
261	Service current employer	Manual	Human Erroneous Action- Service current employer
262	Years service at sea	Manual	Number of years in service at sea.
263	<p>State issuing certif. of comp.</p> <p>List of countries of the world</p>	Value list	State issuing the certificate of competency.
264	<p>Task</p> <p><b>In connection with the ship operation (In connection with the ship operation)</b></p> <p><b>Alongside/Moored (Alongside/Moored)</b></p> <p><b>Anchoring (Anchoring)</b></p> <p><b>Ballasting (Ballasting)</b></p> <p><b>Water ballast exchange (Water ballast exchange)</b></p> <p><b>Berthing (Berthing)</b></p> <p><b>Bunkering (Bunkering)</b></p> <p><b>Cleaning/washing (Cleaning/washing)</b></p> <p><b>Disposal of residues (Disposal of residues)</b></p>	Value list	Human Erroneous Action- Task

	<p><b>Dredging (Dredging)</b></p> <p><b>Drifting (Drifting)</b></p> <p><b>Drilling (Drilling)</b></p> <p><b>(During) (Emergency)</b></p> <p><b>Fishing (Fishing)</b></p> <p><b>Gutting/handling/stowing fish (Gutting/handling/stowing fish)</b></p> <p><b>Towing fishing gear (Towing fishing gear)</b></p> <p><b>Hove-to/dodging (Hove-to/dodging)</b></p> <p><b>Ice breaking (Ice breaking)</b></p> <p><b>In passage (In passage)</b></p> <p style="padding-left: 20px;"><b>Displacement mode (Displacement mode)</b></p> <p style="padding-left: 20px;"><b>Non-displacement mode (Non-displacement mode)</b></p> <p style="padding-left: 20px;"><b>Transitional mode (Transitional mode)</b></p> <p><b>Inerting (Inerting)</b></p> <p><b>Loading (Loading)</b></p> <p><b>Unloading (Unloading)</b></p> <p><b>Manoeuvring (Manoeuvring)</b></p> <p><b>Open/close door, hatches, etc. (Open/close door, hatches, etc.)</b></p> <p><b>Preparing/stowing fishing gear (Preparing/stowing fishing gear)</b></p> <p><b>Other than bunkering (Replenishment at sea operations)</b></p> <p><b>Shooting/hauling fishing gear (Shooting/hauling fishing gear)</b></p> <p><b>Included sea trial (Trials/drills/tests)</b></p> <p><b>Towing/pushing (Towing/pushing)</b></p> <p><b>(internal) (Transfer of cargo)</b></p> <p><b>Under tow/push (Under tow/push)</b></p> <p><b>Normal (On Watch)</b></p> <p><b>Maintenance (Maintenance)</b></p>		
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	<p><b>Repairing (Repairing)</b></p> <p><b>Idle, off-hire (Idle, off-hire)</b></p> <p><b>Other (Other)</b></p> <p><b>Unknown (Unknown)</b></p> <p><b>Not in connection with the ship operation (Not in connection with the ship operation)</b></p> <p><b>Unknown (Unknown)</b></p>		
<p>265</p>	<p>Temporary condition</p> <p><b>General : Distraction (Distraction)</b></p> <p><b>Goal forgotten - Definition: The person cannot remember why something is being done. This may cause a repetition of previous steps (Goal forgotten)</b></p> <p><b>Loss of orientation - Definition: The person cannot remember or think of what to do next or what happened before (Loss of orientation)</b></p> <p><b>Task not completed - Definition: The performance of a task is not completed because of a shift in attention (Task not completed)</b></p> <p><b>Task suspended - Definition: The performance of a task is suspended because the person’s attention was caught by something else (Task suspended)</b></p> <p><b>General : Fatigue (Fatigue)</b></p> <p><b>Delayed response - Definition: The person’s response speed (physically or mentally) is reduced due to fatigue (Delayed response)</b></p> <p><b>Fell asleep - Definition: The person’s response speed (physically or mentally) is reduced due to fatigue (Fell asleep)</b></p> <p><b>No response - Definition: The person’s response speed (physically or mentally) is reduced due to fatigue (No response)</b></p> <p><b>General : Fear (Fear)</b></p> <p><b>Action freeze - Definition: The person is paralysed, i.e., unable to move or act (Action freeze)</b></p> <p><b>Random action - Definition: Actions do not seem to follow any plan or principle, but rather look like trial-and-error (Random action)</b></p>	<p>Value list</p>	<p>Human Erroneous Action- Temporary condition</p>

<p><b>General : Inattention (Inattention)</b></p> <p><b>Signal missed - Definition:</b> A signal or an event was missed due to inattention. This is similar to “observation missed”, the difference being whether it is seen as a random event or something that can be explained by a cognitive function (Signal missed)</p> <p><b>General : Memory failure (Memory failure)</b></p> <p><b>Forgotten - Definition:</b> An item or some information cannot be recalled when needed (Forgotten)</p> <p><b>Incomplete recall - Definition:</b> Information is only recalled partially, i.e., part of the information is missing (Incomplete recall)</p> <p><b>Incorrect recall - Definition:</b> Information is incorrectly recalled (e.g. the wrong name for something) (Incorrect recall)</p> <p><b>General : Performance variability (Performance variability)</b></p> <p><b>Increasing misses - Definition:</b> An increasing number of actions fail to achieve their purpose (Increasing misses)</p> <p><b>Lack of precision - Definition:</b> Reduced precision of actions, e.g. in reaching the target value (Lack of precision)</p> <p><b>General : Physical or physiological stress (Physical or physiological stress)</b></p> <p><b>Alcohol - Definition:</b> A general condition caused by physiological stress (Alcohol)</p> <p><b>Constrained movement - Definition:</b> A general condition caused by physiological stress (Constrained movement)</p> <p><b>Exposure to extreme temperatures - Definition:</b> A general condition caused by physiological stress (Exposure to extreme temperatures)</p> <p><b>Exposure to noise, vibration - Definition:</b> A general condition caused by physiological stress (Exposure to noise, vibration)</p> <p><b>Exposure toxic substance, other health hazards - Definition:</b> A general condition caused by physiological stress (Exposure toxic substance, other health hazards)</p> <p><b>Illicit drugs - Definition:</b> A general condition caused by physiological stress (Illicit drugs)</p>		
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	<p><b>Injury or illness - Definition: A general condition caused by physiological stress (Injury or illness)</b></p> <p><b>Lack of oxygen - Definition: A general condition caused by physiological stress (Lack of oxygen)</b></p> <p><b>Medication - Definition: A general condition caused by physiological stress (Medication)</b></p> <p><b>Sea motion, acceleration - Definition: A general condition caused by physiological stress (Sea motion, acceleration)</b></p> <p><b>General : Psychological stress (Psychological stress)</b></p> <p><b>Emotional overload - Definition: A general condition caused by psychological stress (Emotional overload)</b></p> <p><b>Extreme concentration - Definition: A general condition caused by psychological stress (Extreme concentration)</b></p> <p><b>Frustration - Definition: A general condition caused by psychological stress (Frustration)</b></p> <p><b>Preoccupation - Definition: A general condition caused by psychological stress (Preoccupation)</b></p> <p><b>Routine, monotony - Definition: A general condition caused by psychological stress (Routine, monotony)</b></p>		
266	<p><b>Lack training</b></p> <p><b>Basic training (Basic training)</b></p> <p><b>Basic safety familiarisation (Basic safety familiarisation)</b></p> <p><b>Elementary first aid (Elementary first aid)</b></p> <p><b>Fire prevention and fire fighting (Fire prevention and fire fighting)</b></p> <p><b>And social responsibilities (Personal safety)</b></p> <p><b>Personal survival techniques (Personal survival techniques)</b></p> <p><b>Ship specific familiarisation (Ship specific familiarisation)</b></p> <p><b>Advanced training (Advanced training)</b></p> <p><b>Advanced fire fighting (Advanced fire fighting)</b></p>	Value list	When a lack of training related to the casualty was identified.

	<p><b>Medical Care (Medical Care)</b></p> <p><b>Medical First Aid (Medical First Aid)</b></p> <p><b>Proficiency in fast rescue boat (Proficiency in fast rescue boat)</b></p> <p><b>Proficiency in survival craft and rescue boat (Proficiency in survival craft and rescue boat)</b></p> <p><b>Shore-based fire fighting (Shore-based fire fighting)</b></p> <p><b>Specific training (Specific training)</b></p> <p><b>Automatic Radar Plotting Aids (Automatic Radar Plotting Aids)</b></p> <p><b>Bridge Resource Management (Bridge Resource Management)</b></p> <p><b>Chemical tanker specialised (Chemical tanker specialised)</b></p> <p><b>Designated Security Duties (Designated Security Duties)</b></p> <p><b>Electronic Chart Display and Information System (ECDIS) (Electronic Chart Display and Information System (ECDIS))</b></p> <p><b>Engine Room Resource Management (Engine Room Resource Management)</b></p> <p><b>GMDSS (GMDSS)</b></p> <p><b>Liquefied gas tanker specialised (Liquefied gas tanker specialised)</b></p> <p><b>Oil tanker specialised (Oil tanker specialised)</b></p> <p><b>Incl. all types of passenger ship (Passengers ship crisis management)</b></p> <p><b>Incl. all types of passenger ship (Passengers ship crowd management)</b></p> <p><b>Incl. all types of passenger ship (Passengers ship familiarisation)</b></p> <p><b>Incl. all types of passenger ship (Passengers ship safety)</b></p> <p><b>And hull integrity training (Passengers ship safety, cargo safety, etc)</b></p> <p><b>Ship Security Awareness (Ship Security Awareness)</b></p> <p><b>Ship Security Familiarization (Ship Security Familiarization)</b></p> <p><b>Ship Security Officer (Ship Security Officer)</b></p> <p><b>Tanker familiarisation (Tanker familiarisation)</b></p> <p><b>Ships not cover by STCW (Training not according to national law)</b></p> <p><b>Other (Other)</b></p>		
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590	Hours of work (last 24 hours)	Manual	The time during which the seafarer was required to do work on account of the ship, in the 24-hour period before the accident. The maximum hours of work shall not exceed 14 hours in any 24-hour period. This rule does not apply to young seafarers.
591	Hours of work (last 7 days)	Manual	The time during which the seafarer was required to do work on account of the ship, in the 7-day period before the accident. The maximum hours of work shall not exceed 72 hours in any 7-day period. This rule does not apply to young seafarers.
592	Diet	Value list	Diet
3192	Actor	Manual	A person or a group of people directly involved in the action.
3193	Casualty stage See list of values for “Accident / Casualty stage”	Value list	The stage of the accidental event, just after or during the accident or during the emergency response to the accident.
3195	Event Description	Manual	Describe the event which means the action carry out by the actor during a certain period of time.
3196	Event Type See list of values for “Event Type”	Value list	Operator performs in conflict with intended procedures or in a less than adequate way. Main forms of manifestations are wrong timing, wrong type, wrong object and wrong place.
3198	Place actor on board See list of values for “Place on board”	Value list	Place actor on board

D.2.5 – Other agent or vessel

Id	Other agent or vessel	Value type	Description
386	System category <b>System category: Coastal VTS (Coastal VTS)</b> <b>System category: Navigation aids (Navigation aids)</b> <b>System category: Navigation sign, buoy, etc. (Navigation sign, buoy, etc.)</b> <b>System category: Pilot service (Pilot service)</b> <b>System category: Pollution response (Pollution response)</b> <b>System category: Port VTS (Port VTS)</b> <b>System category: SAR centre (SAR centre)</b> <b>System category: SAR craft (SAR craft)</b> <b>System category: Towing service (Towing service)</b> <b>System category: Other (Other)</b>	Value list	External service and emergency support
387	Task affected <b>System: Monitoring (Monitoring)</b> <b>System: Coordination (Coordination)</b> <b>System: Communication (Communication)</b> <b>System: Planning (Planning)</b> <b>System: Operation (Operation)</b> <b>System: Other (Other)</b>	Value list	The nature of the task affected
4192	Actor	Manual	Any person, group of people or body with external influence on the ship.
4193	Casualty stage See list of values for “Accident / Casualty stage”	Value list	The stage of the accidental event, just after or during the accident or during the emergency response to the accident.
4195	Event Description	Manual	Describe the event which means the action carry out by the actor during a certain period of time.
4196	Event Type See list of values for “Event Type”	Value list	This group should apply to external influences; for example, lack of, or inadequate, support from other ships, agents or infrastructure.



4198	Place actor on board See list of values for "Place on board"	Value list	Place actor on board
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## D.2.6 – Unknown

Id	Unknown	Value type	Description
4241	Actor	Manual	
4242	Casualty stage See list of values for “Accident / Casualty stage”	Value list	
4243	Event description	Manual	

**D.3 – Contributing factors**

Id	Factors	Value type	Description
194	Contributing factor description	Manual	Contributing factor description
197	<p>Contributing factor</p> <p><b>Shore management (Shore management)</b></p> <ul style="list-style-type: none"> <li>Regulatory activities (REACT) (Regulatory activities (REACT))</li> <li>    Checks (Checks)</li> <li>    Audit (Audit)</li> <li>    Surveillance (Surveillance)</li> <li>    Monitoring (Monitoring)</li> <li>    Inspection (Inspection)</li> <li>    Regulation (Regulation)</li> <li>    Regulatory standards (Regulatory standards)</li> <li>    Regulatory procedures (Regulatory procedures)</li> </ul> <p><b>Emergency preparedness (EPREP) (Emergency preparedness (EPREP))</b></p> <ul style="list-style-type: none"> <li>Lack of warning systems (Lack of warning systems)</li> <li>Lack of decision support (Lack of decision support)</li> <li>Life saving equipment (Life saving equipment)</li> <li>Emergency training program (Emergency training program)</li> <li>Inadequate fighting equipment (Inadequate fighting equipment)</li> <li>Maintenance of life saving equipment (Maintenance of life saving equipment)</li> <li>Crisis handling (Crisis handling)</li> <li>Management training (Management training)</li> <li>Emergency procedures (Emergency procedures)</li> <li>Emergency plans (Emergency plans)</li> </ul> <p>Maintenance policy(MAIPOL) (Maintenance policy(MAIPOL))</p>	Value list	Contributing factor

	<p>Lack of follow-up and compliance with (Lack of follow-up and compliance with)</p> <p>LTA planning (LTA planning)</p> <p>Lack of competent repair personnel (Lack of competent repair personnel)</p> <p>Lack of priority to IMR (Lack of priority to IMR)</p> <p>Design (DESIGN) (Design (DESIGN))</p> <p>LTA change-management (LTA change-management)</p> <p>LTA System review and evaluation (LTA System review and evaluation)</p> <p>LTA design verification (LTA design verification)</p> <p>Design error (Design error)</p> <p>Inappropriate regulations (Inappropriate regulations)</p> <p>Deviation from standards/specifications (Deviation from standards/specifications)</p> <p>System acquisition (SYSAC) (System acquisition (SYSAC))</p> <p>Substandard components (Substandard components)</p> <p>Substandard contractors (Substandard contractors)</p> <p>Control of contractors (Control of contractors)</p> <p>Verification of contract requirements (Verification of contract requirements)</p> <p>Inadequate testing (Inadequate testing)</p> <p>Personnel management (PEMAN) (Personnel management (PEMAN))</p> <p>High turn-over, lack of continuity (High turn-over, lack of continuity)</p> <p>Opportunity for advancement (Opportunity for advancement)</p> <p>Control with use of over-time (Control with use of over-time)</p> <p>Selection/training of officers (Selection/training of officers)</p> <p>Inadequate training program (Inadequate training program)</p> <p>Hiring and selection policy (Hiring and selection policy)</p>		
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	<p><b>Occupational health management (OHMAN) (Occupational health management (OHMAN))</b></p> <p>No off-the-job safety policy (No off-the-job safety policy)</p> <p>Follow-up of programs and plans (Follow-up of programs and plans)</p> <p>LTA medical services provided (LTA medical services provided)</p> <p>Substandard hygiene on-board (Substandard hygiene on-board)</p> <p>Work place inspections (Work place inspections)</p> <p>Health control of personnel (Health control of personnel)</p> <p>Personal protective equipment (Personal protective equipment)</p> <p>Information about health risks (Information about health risks)</p> <p><b>Safety and Environment management (SEMAN) (Safety and Environment management (SEMAN))</b></p> <p>LTA Formal safety assessment, risk analysis (LTA Formal safety assessment, risk analysis)</p> <p>LTA Safety plan and program (LTA Safety plan and program)</p> <p>Inadequate promotion of Safety (Inadequate promotion of Safety)</p> <p>Concern for quality improvement (Concern for quality improvement)</p> <p>Work instruction (Work instruction)</p> <p>Incident reporting, analysis, improvement (Incident reporting, analysis, improvement)</p> <p>Follow-up of non-conformities, (Follow-up of non-conformities,)</p> <p>Inspection (Inspection)</p> <p>Critical system &amp; cargo document. (Critical system &amp; cargo document.)</p> <p><b>Operations management(OPMAN) (Operations management(OPMAN))</b></p> <p>Management training (Management training)</p> <p>No review or critical tasks / operations (No review or critical tasks / operations)</p> <p>Inadequate procedures and check lists (ship/port, maintenance,</p>		
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	<p>company, emergency, other) (Inadequate procedures and check lists (ship/port, maintenance, company, emergency, other))</p> <p>Pressure to keep schedule and costs (Pressure to keep schedule and costs)</p> <p>Organisation &amp; General management(ORG&amp;M) (Organisation &amp; General management(ORG&amp;M))</p> <p>Lack of communication &amp; coordination (Lack of communication &amp; coordination)</p> <p>Cross-pressure from schedule &amp; economy (Cross-pressure from schedule &amp; economy)</p> <p>Unclear roles and responsibility (Unclear roles and responsibility)</p> <p>Authoritarian command style (Authoritarian command style)</p> <p>Too wide control span (Too wide control span)</p> <p>Support from land-organisation (Support from land-organisation)</p> <p>Vessel undermanned (Vessel undermanned)</p> <p>Response to feedback from employees (Response to feedback from employees)</p> <p>Company loyalty &amp; commitment (Company loyalty &amp; commitment)</p> <p>Standard set by example (Standard set by example)</p> <p>Communication policy (Communication policy)</p> <p>Focus on liability &amp; punishment (Focus on liability &amp; punishment)</p> <p>Policy, Ethical values (Policy, Ethical values)</p> <p>Business climate (BUSNS) (Business climate (BUSNS))</p> <p>Extreme competition (Extreme competition)</p> <p>Bad relation with other organisation (Bad relation with other organisation)</p> <p>Market change (Market change)</p> <p>Economic conditions (Economic conditions)</p> <p>Shipboard operation (Shipboard operation)</p>		
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	<p><b>Emergency preparedness (EMERG) (Emergency preparedness (EMERG))</b></p> <ul style="list-style-type: none"> <li>Information to passengers (Information to passengers)</li> <li>Lack of leadership (Lack of leadership)</li> <li>Inadequate control of life saving equipment (Inadequate control of life saving equipment)</li> <li>Lacks initiative to deal with emergencies (Lacks initiative to deal with emergencies)</li> <li>Training ignored (Training ignored)</li> <li>Contingency plans not updated (Contingency plans not updated)</li> </ul> <p><b>Environmental conditions (ENVIR) (Environmental conditions (ENVIR))</b></p> <ul style="list-style-type: none"> <li>Restricted fairway (Restricted fairway)</li> <li>Hindrances in the seaway (Hindrances in the seaway)</li> <li>Traffic density hinders vessel control (Traffic density hinders vessel control)</li> <li>Too low visibility for observation (Too low visibility for observation)</li> </ul> <p><b>Maintenance (MAINT) (Maintenance (MAINT))</b></p> <ul style="list-style-type: none"> <li>System out of operation (System out of operation)</li> <li>Improper performance of maintenance/ repair (Improper performance of maintenance/ repair)</li> <li>Inadequate maintenance (Inadequate maintenance)</li> <li>Lack of maintenance (Lack of maintenance)</li> <li>Failure not detected during IMR (Failure not detected during IMR)</li> </ul> <p><b>Inadequate tools &amp; equipment (TOOLS) (Inadequate tools &amp; equipment (TOOLS))</b></p> <ul style="list-style-type: none"> <li>Use of wrong equipment (Use of wrong equipment)</li> <li>Inadequate standards or specifications (Inadequate standards or specifications)</li> <li>Inadequate tool or aid (Inadequate tool or aid)</li> <li>LTA assessment of needs and risks (LTA assessment of needs and</li> </ul>		
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	<p>risks)</p> <p>Right tools and equipment unavailable (Right tools and equipment unavailable)</p> <p>Physical stress (PHYSTR) (Physical stress (PHYSTR))</p> <p>Lack of oxygen (Lack of oxygen)</p> <p>Other health hazards (Other health hazards)</p> <p>Toxic substance (Toxic substance)</p> <p>temperature (temperature)</p> <p>Climate (Climate)</p> <p>acceleration (acceleration)</p> <p>Sea motion (Sea motion)</p> <p>vibration (vibration)</p> <p>Noise (Noise)</p> <p>Work place conditions (WRKPL) (Work place conditions (WRKPL))</p> <p>Anthropometric factors, dimensions (Anthropometric factors, dimensions)</p> <p>Lack of information, inadequately presented information (Lack of information, inadequately presented information)</p> <p>Display design, controls (Display design, controls)</p> <p>Inadequate illumination (Inadequate illumination)</p> <p>Hazardous/ messy workplace (Hazardous/ messy workplace)</p> <p>Personnel (PERSON) (Personnel (PERSON))</p> <p>LTA mental and psychological state (LTA mental and psychological state)</p> <p>LTA physical/ physiological capability (LTA physical/ physiological capability)</p> <p>Lack of knowledge (Lack of knowledge)</p> <p>Lack of skill (Lack of skill)</p> <p>Lack of motivation/morale (Lack of motivation/morale)</p>		
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	<p><b>Manning (MANN) (Manning (MANN))</b></p> <p>Inadequate manning (Inadequate manning)</p> <p>Lack of responsibility for own job (Lack of responsibility for own job)</p> <p>Low job satisfaction, monotony (Low job satisfaction, monotony)</p> <p>Idleness, waiting (Idleness, waiting)</p> <p>Too high work load / low work load (Too high work load / low work load)</p> <p>Wrong person assigned (Wrong person assigned)</p> <p>Frequent change of watch schedule (Frequent change of watch schedule)</p> <p>Long working periods, much overtime (Long working periods, much overtime)</p> <p><b>Supervision (SUPER) (Supervision (SUPER))</b></p> <p>Improper supervisory example (Improper supervisory example)</p> <p>Inappropriate peer pressure (Inappropriate peer pressure)</p> <p>Conflicting orders, cross-pressure (ex. master's standing orders) (Conflicting orders, cross-pressure (ex. master's standing orders))</p> <p>Inadequate work methods (Inadequate work methods)</p> <p>Expectations of supervisor is unclear (Expectations of supervisor is unclear)</p> <p>Supervisors not in touch (Supervisors not in touch)</p> <p>Lack of resources (Lack of resources)</p> <p>Inadequate briefing, instruction (ex. passage briefing plan) (Inadequate briefing, instruction (ex. passage briefing plan))</p> <p>Inadequate work preparation (ex. passage plan) (Inadequate work preparation (ex. passage plan))</p> <p>Lack of co-ordination of tasks (Lack of co-ordination of tasks)</p> <p><b>Social environment (SOCIAL) (Social environment (SOCIAL))</b></p> <p>Resistance to change (Resistance to change)</p>		
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	<p><b>Cowboy attitudes, horseplay (Cowboy attitudes, horseplay)</b></p> <p><b>Safety awareness, cutting corners (Safety awareness, cutting corners)</b></p> <p><b>Person-to-person conflict / animosity (Person-to-person conflict / animosity)</b></p> <p><b>Social &amp; cultural barriers &amp; conflicts (Social &amp; cultural barriers &amp; conflicts)</b></p> <p><b>Language problem (Language problem)</b></p> <p><b>LTA communication (oral, written/read and visual) (LTA communication (oral, written/read and visual))</b></p> <p><b>Labour – management relations (Labour – management relations)</b></p>		
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## D.4 – Early Alert

Id	Action taken data	Value type	Description
4294	Issued on	Date	Date in which the early (safety) alert was issued
4295	Sent to	Manual	Name and address of the addressees of early (safety) alert
4296	Published (Web)	List	Whether the Early Alert was uploaded on the AI's website
4297	Early Alert Notes	Manual	Comments and remarks on the early alert

## D.5 – Safety recommendations data

Id	Safety recommendations data	Value type	Description
390	Coding to whom SR is addressed <b>Cargo Terminal (Cargo Terminal)</b> <b>Crew (Crew)</b> <b>Crew associations (Crew associations)</b> <b>Classification Societies (Classification Societies)</b> <b>Maritime Administration (Maritime Administration)</b> <b>Oil pollution response authority (Oil pollution response authority)</b> <b>Owner/company (Owner/company)</b> <b>Owner associations (Owner associations)</b> <b>Port authorities (Port authorities)</b> <b>Port State Control (Port State Control)</b> <b>SAR (SAR)</b> <b>Shipyard/industry (Shipyard/industry)</b> <b>Other (Other)</b>	Value list	Safety recommendations- Coding to whom SR is addressed
391	Date of accomplishment	Manual	Safety recommendations- Date of accomplishment
392	Feedback on action taken	Manual	Safety recommendations- Feedback on action taken
393	Organization to whom SR is addressed	Manual	Safety recommendations- Organization to whom SR is addressed
394	Recommended date to comply	Manual	Safety recommendations- Recommended date to comply
395	Safety recommendation	Manual	Safety recommendations- Safety recommendation
396	Safety recommendation agreed	Value list	Safety recommendations- Safety recommendation agreed
397	Safety recommendation coding <b>Safety Recommendation: Ship (Ship)</b> <b>Ship: Ship structure (Ship structure)</b> <b>Ship: Ship equipment/system (Ship equipment/system)</b> <b>Ship: Study/review (Study/review)</b>	Value list	Safety recommendations- Safety recommendation coding

	<p><b>Ship: Other (Other)</b></p> <p><b>Safety Recommendation: Shore and water equipment (Shore and water equipment)</b></p> <p>Shore and water equipment: Vessel Traffic Service (VTS) (Vessel Traffic Service (VTS))</p> <p>Shore and water equipment: Shore and water navigation aids (Shore and water navigation aids)</p> <p>Shore and water equipment: Study/review (Study/review)</p> <p>Shore and water equipment: Other equipment (Other equipment)</p> <p><b>Safety Recommendation: Personnel (Personnel)</b></p> <p>Personnel: Medical, physical (Medical, physical)</p> <p>Personnel: Management (Management)</p> <p>Personnel: Training, skills, experience (Training, skills, experience)</p> <p>Personnel: Study/review (Study/review)</p> <p>Personnel: Other (Other)</p> <p><b>Safety Recommendation: Ship related procedures (Ship related procedures)</b></p> <p>Ship related procedures: Compliance (regulations/legislation) (Compliance (regulations/legislation))</p> <p>Ship related procedures: Operation (Operation)</p> <p>Ship related procedures: Inspection (Inspection)</p> <p>Ship related procedures: Maintenance (Maintenance)</p> <p>Ship related procedures: Emergency (Emergency)</p> <p>Ship related procedures: Information dissemination (Information dissemination)</p> <p>Ship related procedures: Study/review (Study/review)</p> <p>Ship related procedures: Other (Other)</p> <p><b>Cargo related procedures (Cargo related procedures)</b></p> <p>Compliance (regulations/legislation) (Compliance (regulations/legislation))</p> <p>Operation (Operation)</p>		
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	<p><b>Inspection (Inspection)</b></p> <p><b>Safety Recommendation: Other Procedures (Other Procedures)</b></p> <p><b>Other Procedures: Port and terminal facilities (Port and terminal facilities)</b></p> <p><b>Other Procedures: Meteorological services (Meteorological services)</b></p> <p><b>Other Procedures: Search and rescue (Search and rescue)</b></p> <p><b>Other Procedures: Oil pollution response (Oil pollution response)</b></p> <p><b>Other Procedures: Security (Security)</b></p> <p><b>Other Procedures: Vessel Traffic Service (Vessel Traffic Service)</b></p> <p><b>Other Procedures: Study/review (Study/review)</b></p> <p><b>Other Procedures: Other (Other)</b></p> <p><b>Compliance (regulations/legislation) (Compliance (regulations/legislation))</b></p>		
4203	<p><b>SR Focus</b></p> <p><b>Carriage of Cargo (Carriage of Cargo)</b></p> <p><b>Cargo gear (Cargo gear)</b></p> <p><b>Type of cargo (Type of cargo)</b></p> <p><b>Other (Other)</b></p> <p><b>Electrical Installations (Electrical Installations)</b></p> <p><b>Emergency electrical systems (Emergency electrical systems)</b></p> <p><b>Generators and alternators (Generators and alternators)</b></p> <p><b>Main electrical systems (Main electrical systems)</b></p> <p><b>Other (Other)</b></p> <p><b>Fire Protection/Firefighting Equip. (Fire Protection/Firefighting Equip.)</b></p> <p><b>Fire alarm and detection systems (Fire alarm and detection systems)</b></p> <p><b>Integrity of structure (Integrity of structure)</b></p> <p><b>Portable firefighting equipment (Portable firefighting equipment)</b></p> <p><b>Other (Other)</b></p> <p><b>Human Factors (Human Factors)</b></p>	Value list	Safety Recommendation Focus

	<p><b>Company &amp; organisation (Company &amp; organisation)</b></p> <p><b>Crew factors (Crew factors)</b></p> <p><b>Equipment (Equipment)</b></p> <p><b>External bodies liaison (External bodies liaison)</b></p> <p><b>Individual (Individual)</b></p> <p><b>Working environment (Working environment)</b></p> <p><b>Other (Other)</b></p> <p><b>Lifesaving Equipment (Lifesaving Equipment)</b></p> <p><b>Distress signals (Distress signals)</b></p> <p><b>EPIRBs (EPIRBs)</b></p> <p><b>Inflatable liferafts and evacuation systems (Inflatable liferafts and evacuation systems)</b></p> <p><b>Lifeboats and launching equipment (Lifeboats and launching equipment)</b></p> <p><b>Portable lifesaving apparatus (Portable lifesaving apparatus)</b></p> <p><b>Other (Other)</b></p> <p><b>Machinery (Machinery)</b></p> <p><b>Auxiliary engine room machinery (Auxiliary engine room machinery)</b></p> <p><b>Bilge pumps and alarms (Bilge pumps and alarms)</b></p> <p><b>Boilers and economisers (Boilers and economisers)</b></p> <p><b>Engine room watchkeeping and Operational Practice (Engine room watchkeeping and Operational Practice)</b></p> <p><b>Hydraulic systems (Hydraulic systems)</b></p> <p><b>Main propulsion systems (Main propulsion systems)</b></p> <p><b>Salt water systems (Salt water systems)</b></p> <p><b>Steam system or steam generation plant (Steam system or steam generation plant)</b></p> <p><b>Steering gear (Steering gear)</b></p> <p><b>Other (Other)</b></p>		
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	<p><b>Operational Practice (Operational Practice)</b></p> <ul style="list-style-type: none"> <li>Documentation (Documentation)</li> <li>Duty of care (Duty of care)</li> <li>Maintenance (Maintenance)</li> <li>Management (Management)</li> <li>Manning (Manning)</li> <li>Means of access (Means of access)</li> <li>Pilot access (Pilot access)</li> <li>Safe working practices (Safe working practices)</li> <li>Training (Training)</li> <li>Other (Other)</li> </ul> <p><b>Other (Other)</b></p> <ul style="list-style-type: none"> <li>Certification of person (Certification of person)</li> <li>Certification of ship (Certification of ship)</li> <li>Dissemination of information (Dissemination of information)</li> <li>VDR Data (VDR Data)</li> <li>Other (Other)</li> </ul> <p><b>Radio Installations (Radio Installations)</b></p> <ul style="list-style-type: none"> <li>External communication equipment (External communication equipment)</li> <li>Internal communication equipment (Internal communication equipment)</li> <li>Other (Other)</li> </ul> <p><b>Safety of Navigation (Safety of Navigation)</b></p> <ul style="list-style-type: none"> <li>Bridge navigation equipment (Bridge navigation equipment)</li> <li>COLREG (COLREG)</li> <li>Watchkeeping and navigational practice (Watchkeeping and navigational practice)</li> <li>Company/Owner support (Company/Owner support)</li> <li>Other navigation equipment/aids (Other navigation equipment/aids)</li> </ul>		
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	<p><b>Other shore support (Other shore support)</b></p> <p><b>Other (Other)</b></p> <p><b>Seaworthiness (Seaworthiness)</b></p> <p><b>Accommodation (Accommodation)</b></p> <p><b>Anchors and cables (Anchors and cables)</b></p> <p><b>Integrity of hull (Integrity of hull)</b></p> <p><b>Integrity of structures (Integrity of structures)</b></p> <p><b>Material (for historic records only) (Material (for historic records only))</b></p> <p><b>Water/Weathertight doors and hatches (Water/Weathertight doors and hatches)</b></p> <p><b>Other (Other)</b></p> <p><b>Stability (Stability)</b></p> <p><b>Damage stability criteria (Damage stability criteria)</b></p> <p><b>Fishing gear (Fishing gear)</b></p> <p><b>Freeboard (Freeboard)</b></p> <p><b>Inclining tests (Inclining tests)</b></p> <p><b>Intact stability criteria (Intact stability criteria)</b></p> <p><b>Motion of vessel (Motion of vessel)</b></p> <p><b>Other (Other)</b></p>		
4271	Closed (no response) Y/N list	Value list	
4301	Follow up	Manual	
4302	SR notes	Manual	

## D.6 – Action Taken

Id	Action taken data	Value type	Description
4263	AT description	Manual	Action taken description
4264	Coding <b>Safety Recommendation: Ship (Ship)</b> Ship: Ship structure (Ship structure) Ship: Ship equipment/system (Ship equipment/system) Ship: Study/review (Study/review) Ship: Other (Other) <b>Safety Recommendation: Shore and water equipment (Shore and water equipment)</b> Shore and water equipment: Vessel Traffic Service (VTS) (Vessel Traffic Service (VTS)) Shore and water equipment: Shore and water navigation aids (Shore and water navigation aids) Shore and water equipment: Study/review (Study/review) Shore and water equipment: Other equipment (Other equipment) <b>Safety Recommendation: Personnel (Personnel)</b> Personnel: Medical, physical (Medical, physical) Personnel: Management (Management) Personnel: Training, skills, experience (Training, skills, experience) Personnel: Study/review (Study/review) Personnel: Other (Other) <b>Safety Recommendation: Ship related procedures (Ship related procedures)</b> Ship related procedures: Compliance (regulations/legislation) (Compliance (regulations/legislation)) Ship related procedures: Operation (Operation) Ship related procedures: Inspection (Inspection)	Value list	The coding of the action taken

	<p><b>Ship related procedures: Maintenance (Maintenance)</b></p> <p><b>Ship related procedures: Emergency (Emergency)</b></p> <p><b>Ship related procedures: Information dissemination (Information dissemination)</b></p> <p><b>Ship related procedures: Study/review (Study/review)</b></p> <p><b>Ship related procedures: Other (Other)</b></p> <p><b>Cargo related procedures (Cargo related procedures)</b></p> <p><b>Compliance (regulations/legislation) (Compliance (regulations/legislation))</b></p> <p><b>Operation (Operation)</b></p> <p><b>Inspection (Inspection)</b></p> <p><b>Safety Recommendation: Other Procedures (Other Procedures)</b></p> <p><b>Other Procedures: Port and terminal facilities (Port and terminal facilities)</b></p> <p><b>Other Procedures: Meteorological services (Meteorological services)</b></p> <p><b>Other Procedures: Search and rescue (Search and rescue)</b></p> <p><b>Other Procedures: Oil pollution response (Oil pollution response)</b></p> <p><b>Other Procedures: Security (Security)</b></p> <p><b>Other Procedures: Vessel Traffic Service (Vessel Traffic Service)</b></p> <p><b>Other Procedures: Study/review (Study/review)</b></p> <p><b>Other Procedures: Other (Other)</b></p> <p><b>Compliance (regulations/legislation) (Compliance (regulations/legislation))</b></p>		
4265	<p><b>AT focus</b></p> <p><b>Carriage of Cargo (Carriage of Cargo)</b></p> <p><b>Cargo gear (Cargo gear)</b></p> <p><b>Type of cargo (Type of cargo)</b></p> <p><b>Other (Other)</b></p> <p><b>Electrical Installations (Electrical Installations)</b></p> <p><b>Emergency electrical systems (Emergency electrical systems)</b></p> <p><b>Generators and alternators (Generators and alternators)</b></p>	Value list	The focus of the action taken

<p><b>Main electrical systems (Main electrical systems)</b></p> <p>Other (Other)</p> <p><b>Fire Protection/Firefighting Equip. (Fire Protection/Firefighting Equip.)</b></p> <p>Fire alarm and detection systems (Fire alarm and detection systems)</p> <p>Integrity of structure (Integrity of structure)</p> <p>Portable firefighting equipment (Portable firefighting equipment)</p> <p>Other (Other)</p> <p><b>Human Factors (Human Factors)</b></p> <p>Company &amp; organisation (Company &amp; organisation)</p> <p>Crew factors (Crew factors)</p> <p>Equipment (Equipment)</p> <p>External bodies liaison (External bodies liaison)</p> <p>Individual (Individual)</p> <p>Working environment (Working environment)</p> <p>Other (Other)</p> <p><b>Lifesaving Equipment (Lifesaving Equipment)</b></p> <p>Distress signals (Distress signals)</p> <p>EPIRBs (EPIRBs)</p> <p>Inflatable liferafts and evacuation systems (Inflatable liferafts and evacuation systems)</p> <p>Lifeboats and launching equipment (Lifeboats and launching equipment)</p> <p>Portable lifesaving apparatus (Portable lifesaving apparatus)</p> <p>Other (Other)</p> <p><b>Machinery (Machinery)</b></p> <p>Auxiliary deck machinery (Auxiliary deck machinery)</p> <p>Auxiliary engine room machinery (Auxiliary engine room machinery)</p> <p>Bilge pumps and alarms (Bilge pumps and alarms)</p> <p>Boilers and economisers (Boilers and economisers)</p>		
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	<p><b>Engine room watchkeeping and Operational Practice (Engine room watchkeeping and Operational Practice)</b></p> <p><b>Hydraulic systems (Hydraulic systems)</b></p> <p><b>Main propulsion systems (Main propulsion systems)</b></p> <p><b>Salt water systems (Salt water systems)</b></p> <p><b>Steam system or steam generation plant (Steam system or steam generation plant)</b></p> <p><b>Steering gear (Steering gear)</b></p> <p><b>Other (Other)</b></p> <p><b>Operational Practice (Operational Practice)</b></p> <p><b>Documentation (Documentation)</b></p> <p><b>Duty of care (Duty of care)</b></p> <p><b>Maintenance (Maintenance)</b></p> <p><b>Management (Management)</b></p> <p><b>Manning (Manning)</b></p> <p><b>Means of access (Means of access)</b></p> <p><b>Pilot access (Pilot access)</b></p> <p><b>Safe working practices (Safe working practices)</b></p> <p><b>Training (Training)</b></p> <p><b>Other (Other)</b></p> <p><b>Other (Other)</b></p> <p><b>Certification of person (Certification of person)</b></p> <p><b>Certification of ship (Certification of ship)</b></p> <p><b>Dissemination of information (Dissemination of information)</b></p> <p><b>VDR Data (VDR Data)</b></p> <p><b>Other (Other)</b></p> <p><b>Radio Installations (Radio Installations)</b></p> <p><b>External communication equipment (External communication equipment)</b></p>		
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<p><b>Internal communication equipment (Internal communication equipment)</b></p> <p>Other (Other)</p> <p><b>Safety of Navigation (Safety of Navigation)</b></p> <p>Bridge navigation equipment (Bridge navigation equipment)</p> <p>COLREG (COLREG)</p> <p>Watchkeeping and navigational practice (Watchkeeping and navigational practice)</p> <p>Company/Owner support (Company/Owner support)</p> <p>Other navigation equipment/aids (Other navigation equipment/aids)</p> <p>Other shore support (Other shore support)</p> <p>Other (Other)</p> <p><b>Seaworthiness (Seaworthiness)</b></p> <p>Accommodation (Accommodation)</p> <p>Anchors and cables (Anchors and cables)</p> <p>Integrity of hull (Integrity of hull)</p> <p>Integrity of structures (Integrity of structures)</p> <p>Material (for historic records only) (Material (for historic records only))</p> <p>Water/Weathertight doors and hatches (Water/Weathertight doors and hatches)</p> <p>Other (Other)</p> <p><b>Stability (Stability)</b></p> <p>Damage stability criteria (Damage stability criteria)</p> <p>Fishing gear (Fishing gear)</p> <p>Freeboard (Freeboard)</p> <p>Inclining tests (Inclining tests)</p> <p>Intact stability criteria (Intact stability criteria)</p> <p>Motion of vessel (Motion of vessel)</p> <p>Other (Other)</p>		
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4266	Taken by	Manual	Description of who took the action
4267	Taken by (coding) <b>Cargo Terminal (Cargo Terminal)</b> <b>Crew (Crew)</b> <b>Crew associations (Crew associations)</b> <b>Classification Societies (Classification Societies)</b> <b>Maritime Administration (Maritime Administration)</b> <b>Oil pollution response authority (Oil pollution response authority)</b> <b>Owner/company (Owner/company)</b> <b>Owner associations (Owner associations)</b> <b>Port authorities (Port authorities)</b> <b>Port State Control (Port State Control)</b> <b>SAR (SAR)</b> <b>Shipyard/industry (Shipyard/industry)</b> <b>Other (Other)</b>	Value list	Coding of who took the action
4268	Taken on (date)	Date	Date when the action was taken
4269	AT follow-up	Manual	Feedback on the action taken
4270	AT notes	Manual	Notes for the action taken

## D.7 – Consultation with interested parties

### D.7.1 – Consultation with Other Interested States

Id	Consultation data	Value type	Description
4303	Date in	Date	Date when the consultation started on
4304	Date out	Date	Date when the consultation ended on
4305	Country List of countries of the world	Value list	The Interested State
4306	Organization	Manual	Name of the consulted state organization
4307	Contact info	Manual	Phone, fax and e-mail address of the consulted organization
4308	Consultation with OIS Notes	Manual	Notes

### D.7.2 – Consultation with Other Interested Parties

Id	Consultation data	Value type	Description
4309	Date in	Date	Date when the consultation started on
4310	Date out	Date	Date when the consultation ended on
4311	Country List of countries of the world	Value list	The Interested State
4312	Name	Manual	Name of the consulted party
4313	Contact info	Manual	Phone, fax and e-mail address of the consulted organization
4314	Consultation with OIP Notes	Manual	Notes



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