European Marine Casualty Information Platform (EMCIP)

Guide for public users

V1.0

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Document History

Version	Date	Description	Prepared
1.0	05/09/2023	Drafted document for EMCIP v3.8.1	EMSA



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List of Abbreviations

AIB	Accident Investigative Bodies
AID	Directive 2009/18/EC
CSV	Comma Separated Values
GIS	Geographic Information System
EMCIP	European Marine Casualty Information System
EMSA	European Maritime Safety Agency
MS	Member States
TDMS	Traffic Density Maps Services
EEZ	Exclusive Economic Zone



1. Disclaimer

The statistics, data and charts on the EMCIP portal have been generated from a subset of data reported by the EU Member States in accordance with art. 17 of Directive 2009/18/EU (AID). Although there are procedures in place to monitor the consistency, reliability and completeness of data, the ultimate responsibility for the data rests with the Member State which provided it. Data regarding each occurrence may be updated at any time by the competent Authority that reported them.

The dataset provides information concerning the marine casualties and incidents falling within the scope of the AID that occurred after 17/06/2011. It includes both anonymized notifications (i.e. not investigated cases) and detailed information on the finished safety investigations conducted by the Accident Investigative bodies (AIB), including their final report.

The displayed data shall in no circumstances be used to infer liability or responsibility and not to be used to evaluate the levels of safety for sea areas.

For more information on a specific occurrence, please contact the Authority that provided it.



2. The EMCIP system: an overview

The European Marine Casualty Information Platform (EMCIP) is a database and a data distribution system operated by EMSA, the European Commission and the EU/EEA Member States. EMCIP aims to deliver a range of benefits at national and European relevance by:

- Improving the information background about marine casualties and incidents;
- Widening and deepening the analysis of the results of casualty investigations;
- Providing at-a-glance information, enabling general risk identification and profiling;
- Sharing lessons learned and safety issues detected in the course of safety investigations.

Member States notification of marine casualties and incidents, and reporting of data resulting from safety investigations in EMCIP, has been mandatory since 17 June 2011. This has allowed the Agency to assist the Commission and Member States with analysis of such data, the development of trend monitoring mechanisms, proposals for safety recommendations, the improvement of existing European legislation and promotion of new technical requirements.

EMCIP provides the means to store data and information related to marine casualties and incidents involving all types of ships including occupational accidents related to ship operations. It also enables the production of statistics and analysis of the technical, human, environmental and organisational factors involved in accidents at sea.

EMCIP is also connected to the Global Integrated Shipping Information System (GISIS) managed by the International Maritime Organisation, thus supporting the dissemination of investigation data reported by the EU/EEA MS at a global level without any duplication of effort.

The database's taxonomy has been developed by EMSA in consultation with the Member States, on the basis of European research and international recommended practice and procedures.

Information about marine casualties and incidents is also made accessible to the public, such as the investigation reports published by the accident investigation bodies and "anonymised" data about casualties and incidents notified by Member States authorities.

EMSA manages EMCIP on behalf of the Commission, hosting, providing maintenance and improving the system.

The Agency is assisted in its tasks by the Member States through the EMCIP User Group.

The Permanent Cooperation Framework, together with the representatives of other authorities designated by the Member States as points of contact for EMCIP governance, is the relevant framework for the development of the database scheme and the method for the data notification, as laid out in Directive 2009/18/EC, Article 17 (4).

Further details on EMCIP and the tasks of the Agency in accident investigations can be found at https://www.emsa.europa.eu/we-do/safety/accident-investigation.html



3. Access to the system

Public users can access the system via the EMSA Marine Application Portal at the following URL: https://portal.emsa.europa.eu/emcip-public/#/dashboard

3.1 Landing page

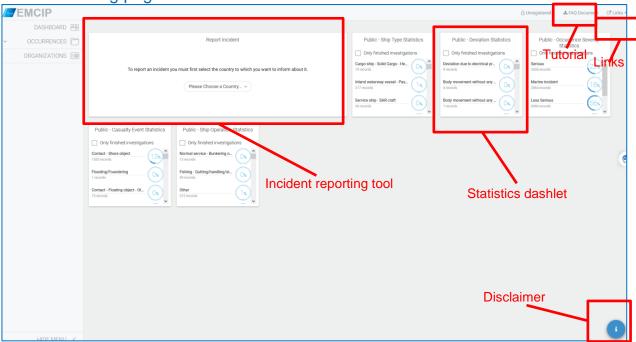


Figure 1 – Dashboard (landing page)

The landing page includes:

Statistics dashlets, providing consolidated figures on data reported for specific attributes. Click
the checkbox "only finished investigation" to refine the data only to the safety investigations
undertaken by AIBs.



Figure 2 - Checkbox "only finished investigations"

- "Incident-reporting tool" for public users. See section 5 for details.
- Disclaimer providing basic information on the EMCIP system and the reporting principles.

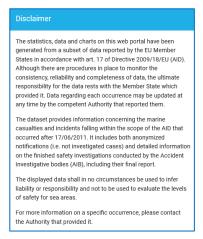


Figure 3 - Disclaimer

• Links to EMSA resources and the repository to download this tutorial.

3.2 Navigation tree

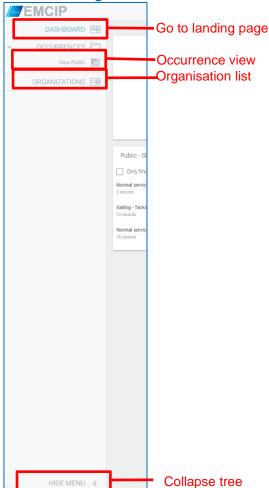


Figure 6 - Navigation tree

The navigation tree allows several interactions with the system.

Click "Occurrences > View public" to access the marine casualty/incident data available to public users, perform queries, export data and download safety reports published by AIBs. See section 4 for details.



Figure 4 - Occurrence view

Click "Organisations" to consult the contact details of the AIBs reporting into EMCIP

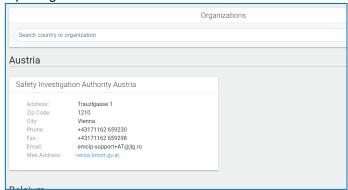


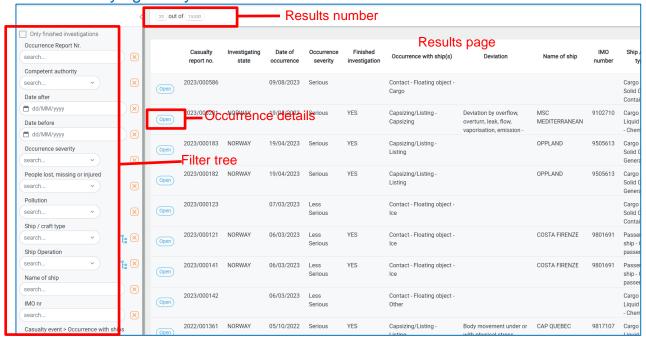
Figure 5 - Organisation view

Click "Hide menu" to collapse the navigation tree. Click "Dashboard" to go back to the landing page



4. Occurrence view

4.1 Querying the system



The filter tree offers a broad array of parameters to refine the search for data.

When hovering the filter, a popup appears providing explanatory information on the parameter.

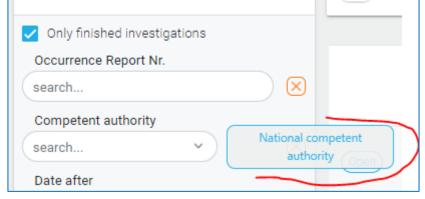


Figure 7 - Tooltips

Multiple filters can be applied. Press the icon "X" to clear the filter.

Results are immediately displayed in the page as the filters are applied. Scroll down the result page to check the list. The number of occurrences retrieved by the query is displayed on top.

4.2 Consulting the occurrences' details

Click the button "*Open*" to consult the details of a given occurrence. In accordance with the schema agreed with the MS, the dataset for "*notifications*" (i.e., the not investigated occurrences) includes anonymised factual information. On the other hand, occurrences that have been investigated by the competent AIB (i.e., "*finished investigations*") are provided with a wider dataset, including the ship's particulars, safety recommendations and the factors that contributed to the accident/incident. The public user can also download the full safety report published by the competent AIB by clicking the top-right icon "*download final report*" (available only for finished investigations).



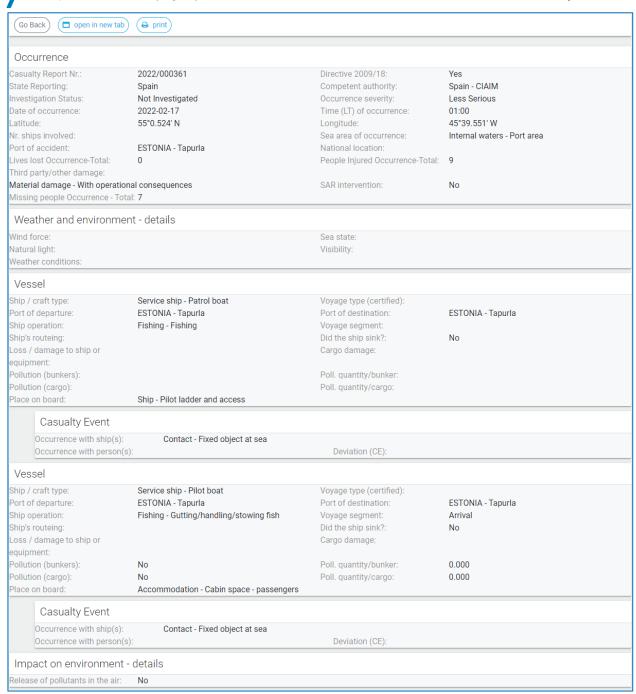


Figure 8 – Example dataset for anonymised notification (not investigated)

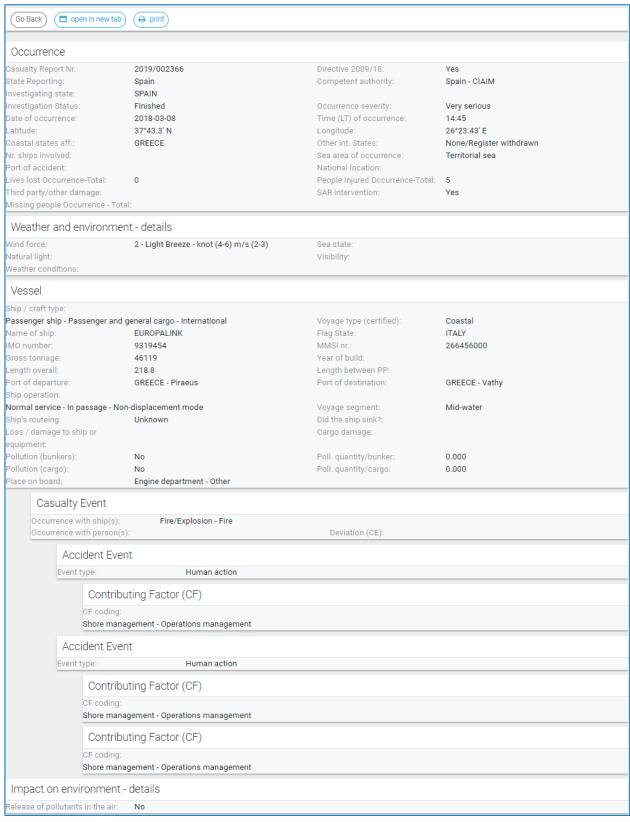


Figure 9 – Example dataset for finished safety investigation

Click "open in new tab" to visualise the occurrence details in a new browser tab, "print" to get a printout of the occurrence, or "Go back" to return to the result page.



Figure 10 - Occurrence menu

4.3 Export data

Following a query execution, a public user can export a predefined dataset in .csv format, accordingly to the schema agreed with the MS.

For performance reasons, up to 5,000 occurrences can be exported in a single extraction.

Click "Export xyz occurrences" on the bottom of the filter tree to launch the workflow.

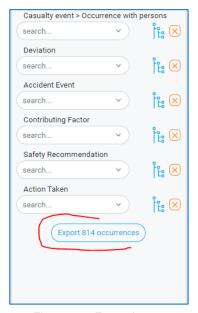
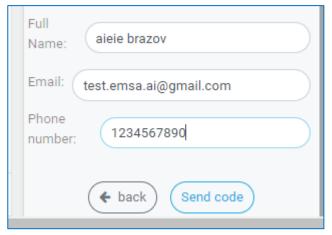


Figure 11 - Export button

Enter the user's details, and click "**Send code**". For ICT security, the tool may request a reCAPTCHA validation.



An email containing a verification code is sent to the mailbox:



Figure 12 - Verification code

Enter the verification code on the EMCIP portal and click "Verify" or "Resend" ff no email was received.

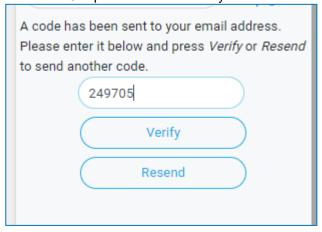


Figure 13 - Security code validation

EMCIP warns the user of the successful validation process.

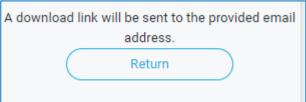


Figure 14 - Successful code validation

An email is sent to the mailbox with a link to download the dataset:

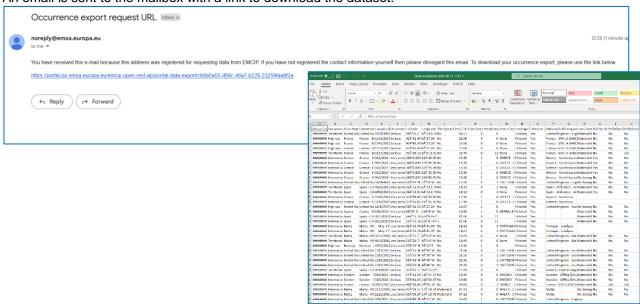


Figure 15 - Email with URL to export data and results



4.3.1 Export dataset

The predefined dataset is composed of the following attributes. It applies to any occurrence, either investigated or not:

Attributes	Description
Casualty Report Nr.	Unique reference of each occurrence in EMCIP
Competent authority	National competent Authority responsible for reporting in EMCIP
Date of occurrence	Date of the marine casualty/incident
Directive 2009/18	Indicates that the occurrence falls within the scope of AID (NOTE: only occurrences falling within the scope of AID are displayed in the public portal)
Investigation Status	It refers to the status of the safety investigation, if this has been launched by the competent authority (NOTE: for "notifications", this value is "Not investigated". For published safety investigations it reads "Finished")
Latitude	Angular distance on the earth measured in degrees, minutes and centesimal of minute, North or South of Equator, to where the occurrence happened
Lives lost Occurrence - Total	The total number of people that lost their lives as a consequence of the marine casualty
Longitude	Angular distance on the earth measured in degrees, minutes and centesimal of minute, West or East of Greenwich meridian, where the occurrence happened
Missing people Occurrence – Tot	Number of missing people resulted in the occurrence
National location	National location of the occurrence (if relevant)
Occurrence severity	Classification of the severity of the occurrence. In case of more than one ships involved it is the more severe of the casualty severity for each ship
People injured Occurrence- Total	The total number of people that reported injuries as a consequence of the marine casualty
Port of accident	Port where the occurrence took place (if relevant)
Sea area of occurrence	The geographic area or the place where the casualty or incident occurred
State Reporting	EU-EEA State responsible for reporting in EMCIP
Third party/other damage	It answers to the question if there was material damage or personal injury/death caused outside of the ship as a consequence of a marine casualty.
Time (LT) of occurrence	Local time when the occurrence happened
Occurrence with ship(s)	Casualty or incident involving a ship. Occurrences with ship are unwanted events in which there was some kind of energy release with impact on people and/or ship and its cargo or environment (e.g. collision, grounding, fire etc.)
Occurrence with person(s)	The mode in which a person (crewmember, passenger or other person) was injured or killed e.g., following an occupational accident
Deviation	Last event deviating from normality and leading to the occupational accident
Cargo damage	Damage sustained to the ship's cargo
Did the ship sink?	Information if the ship sank or not. (NOTE: the answer "YES" to the question does not imply the loss of the ship)
Loss / damage to ship or equipment	Damage sustained by the ship or her equipment, including any kind of equipment breakdown
Place on board	Place(s) or compartment(s) on board the ship affected by the marine casualty or incident
Poll. quantity/bunker	The amount in tons of ship's bunkers released that polluted the marine environment as a consequence of a marine casualty
Poll. quantity/cargo	The amount in tons of ship's cargo released or lost that polluted the marine environment as a consequence of a marine casualty

Pollution (bunkers)	Marine pollution caused by the release of ship's bunkers as a consequence of a marine casualty
Pollution (cargo)	Marine pollution caused by the release or loss of ship's cargo as a consequence of a marine casualty
Port of departure	The last port visited by the ship before the ship casualty/incident
Port of destination	The port of call to which the ship had planned its voyage before the casualty
Ship / craft type	It is the classification of the ship or craft according to ship main general activity
Ship operation	The main activity(ies) that the ship was performing when the occurrence happened
Ship's routeing	Details the vessel traffic control measure applicable in the area where the casualty incident occurred where a traffic separation scheme is any system of one or more routes or routeing measures aimed at reducing the risk of casualties (e.g., deepwater route, traffic separation scheme etc.)
Voyage segment	Segment of the voyage at the time of the casualty/incident
Release of pollutant in the air	It indicates if there was atmospheric pollution as a consequence of a marine casualty

Figure 16 - Export dataset



5. Incident reporting tool for not registered users

5.1 Overview

The module allows unregistered users (e.g., ships' masters, agents, passengers etc.) to notify AIBs with factual information on marine casualty/incident using a web-based form. This enhancement is expected to achieve two goals:

- reducing the burden on AIB staff when populating EMCIP since part of the factual information will be filled in by an external entity.
- improving the notification flow to AIBs as per art.6, AID.

Depending on the user's preferences, the interested AIBs are notified via email or through a dedicated inapp visual "warning" when a new report is available.

The receiving organisation should follow up this report (e.g., evaluate the occurrence, assess its severity, edit it, decide whether to investigate, etc.) and submit the case in EMCIP as appropriate or, eventually, discarding it if not relevant.

The workflow foresees that a public user wishing to report an occurrence should:

- Go to the EMCIP portal (public) and use the dedicated widget to report an occurrence;
- Select the MS that should receive this initial information, i.e., the EU Flag State, the EU Coastal State or the EU Other Interested States;
- Fill in the personal details, e.g., name, email address and phone nr.;
- Enter the validation code received via email;
- Open the URL included in the email sent by the system, which opens the web reporting form;
- Enter the factual information concerning the marine casualty/incident, and;
- Save the reported data.

EMCIP notifies the concerned AIB that a new report has been saved, sending an acknowledgement to the initial reporter.

The competent authority can access the report from the dedicated EMCIP page.

A basic statistical tool provides figures of the received cases, saved in EMCIP or discarded.

Since some MS may have in place a specific procedure for the reporting to AIB (art.6, AID), e.g., an official reporting form, the PCF has agreed that the tool will re-direct the public reporter to the AIB's corporate website (or another website) to proceed under the provisions of the national legislation.



5.2 Option 1 (report to EMCIP)

Step	Who?	Task	Comment	Screenshot
1	Public user	Select the interested Country from the drop-list		Report Incident To report an incident you must first select the country to which you want to inform about it. Please Choose a Country
2	Public user	Select the option "Report in EMCIP"		Report Incident To report an incident to TEST ORGANIZ.you will need to visit the national reporting web site or provide the information in EMCIP. A pack Report in EMCIP National Reporting System
3	Public user	Enter the required personal data to launch the authentication process.	Personal data are automatically deleted from EMCIP after 60 days. For ICT security, the tool may request a reCAPTCHA validation.	Report Incident Report Incident Report Incident Report Incident in EMCIP please fill in the contact information on the left. A code will be send to the provided email address for verification. The provide information will be stored for a maximum period of 30 days, after which it will be discarded. For more details please read the full disclaimer. Phone number: 00351111111111



Step	Who?	Task	Comment	Screenshot				
4	Public user	Check the selected mailbox for a verification code.		Incident Report Verification code Noreply To GIRONELLA Enrico (EMSA) You have received this e-mail because this address was registered as in EMCIP. If you have not registered the contact information yourself email address please use the code below. Code: 27653	f then please			cident
5	Public user	Enter the verification code in the reporting widget. Then click "verify".	In case of delay > 2 minutes click "resend"	Report Incid A code has been sent to your email address. Please enter it below 276535 Verify Resend		erify or Resend to	send another cod	le.
6	Public user	Check the selected mailbox for the reporting URL and click the link.		Incident Report URL noreply To GIRONELLA Enrico (EMSA) You have received this e-mail because this address was registered as in EMCIP. If you have not registered the contact information yourself information about the incident please access the incident form by for pp.emsa.europa.eu/#/reported-incidents/49527c77-8cab-4691-869	then please o	disregard this em ink below. <u>https:</u>	ail. To provide	



Step	Who?	Task	Comment	Screenshot
7	Public user	Enter the accident factual information in the web form.	·	Full Name: test test Reporting Entity: Passenger Email: enrico.gironella@emsa.europa.eu Phone: 00351964041750 Reporting to Country: Norway Reporting to Organization: Norwegian Safety Investigation Authority
				Description Sans Serif : Normal : BIUら A M X, X² が 中 巨 三 正 三 五 Ship / craft type search
8	Public user	The public reporter will receive an EMCIP acknowledgement concerning the report submission.	The reporter can copy/paste the link to edit the previously reported information.	Incident Report Saved Noreply To GIRONELLA Enrico (EMSA) Last changes to incident report have been saved. The report has been submitted to: (Norway) Norwegian Safety Investigation Authority Address: Sophie Radichsvei 17 Zip Code: N-2003 Phone: +47 63 89 63 00 Fax: +47 63 89 63 00 To further make modifications to the report please use the following link: https://portal-pp.emsa.europa.eu/emcip-public/#/reported-incidents/beed37cc-e92a-47f0-a790-7ae1409977b0">https://portal-pp.emsa.europa.eu/emcip-public/#/reported-incidents/beed37cc-e92a-47f0-a790-7ae1409977b0">https://portal-pp.emsa.europa.eu/emcip-public/#/reported-incidents/beed37cc-e92a-47f0-a790-7ae1409977b0">https://portal-pp.emsa.europa.eu/emcip-public/#/reported-incidents/beed37cc-e92a-47f0-a790-7ae1409977b0">https://portal-pp.emsa.europa.eu/emcip-public/#/reported-incidents/beed37cc-e92a-47f0-a790-7ae1409977b0">https://portal-pp.emsa.europa.eu/emcip-public/#/reported-incidents/beed37cc-e92a-47f0-a790-7ae1409977b0">https://portal-pp.emsa.europa.eu/emcip-public/#/reported-incidents/beed37cc-e92a-47f0-a790-7ae1409977b0">https://portal-pp.emsa.europa.eu/emcip-public/#/reported-incidents/beed37cc-e92a-47f0-a790-7ae1409977b0">https://portal-pp.emsa.europa.eu/emcip-public/#/reported-incidents/beed37cc-e92a-47f0-a790-7ae1409977b0">https://portal-pp.emsa.europa.eu/emcip-public/#/reported-incidents/beed37cc-e92a-47f0-a790-7ae1409977b0">https://portal-pp.emsa.europa.eu/emcip-public/#/reported-incidents/beed37cc-e92a-47f0-a790-7ae1409977b0">https://portal-pp.emsa.europa.eu/emcip-public/#/reported-incidents/beed37cc-e92a-47f0-a790-7ae1409977b0">https://portal-pp.emsa.europa.eu/emcip-public/#/reported-incidents/beed37cc-e92a-47f0-a790-7ae1409977b0">https://portal-pp.emsa.europa.eu/emcip-public/#/reported-incidents/beed37cc-e92a-47f0-a790-7ae1409977b0">https://portal-pp.emsa.europa.eu/emcip-p
9	Competent Auth.	Check the notifications	Responsible for follow- up actions	



5.3 Option nr.2 (re-direction to a national website)

1 Public user Select the interested Country from the drop-list To report an incident you must first select the country to which you want to inform about it. Please Choose a Country Please Choose a Country Please Choose a Country Check that the	Step	reenshot
To report an incident you must first select the country to which you want to inform about it. Please Choose a Country Please Choose a Country	1	Report Incident
2 Public Scloot the entire "National reporting outcom" Check that the		
2 Public user Select the option "National reporting system" Check that the website opens	2	Report Incident
To report an incident to Norway AIBN you will need to visit the national reporting web site or provide the back Report in EMCIP National Reporting System C		port an incident to Norway AIBN you will need to visit the national reporting web site or provide the information in EMCIP. Report in EMCIP National Reporting System C*



5.4 Reporting form dataset¹

Section	ID	Attribute name (from EMCIP taxonomy)	Definition (from EMCIP reporting guidelines)	Mandatory (M) / Optional (O)	Data format	List of values	Simplified label for the reporting form
General information on the accident	1	Description	Brief description of the occurrence/casualty. It is a short narrative of the occurrence also called summary or synopsis	M	Free text Up to 3,888 characters	n/a	Brief summary of the accident
	2	Date of occurrence	Date when the occurrence happened	M	Date	n/a	Date of accident
	3	Time (LT) of occurrence	Local time when the occurrence happened	0	Time	n/a	Time of accident (local time)
	4	Sea area of occurrence	The geographic area or the place where the casualty or incident occurred	M	Dropdown list	As per EMCIP taxonomy (TA-354-TCL) level 1 • Inland waters • Internal waters • Repair yard • Territorial sea • Open sea • Unknown	Area of the accident
	5	Main sea area	The main sea areas where the occurrence happened	0	Dropdown list	Full list as per EMCIP taxonomy	Sea bacin of the accident
Type of accident	6	Occurrence with ship	Casualty or incident involving a ship. Occurrences with ship are unwanted events in which there was some kind of energy release with impact on people and/or ship and its cargo or environment. The initial casualty will be the one that appears in the occurrence and it will	M	Dropdown list	As per EMCIP taxonomy (TA-520-TCL) lev.1 • Capsizing/Listing • Collision • Contact • Damage / loss of equipment	Type of accident to ship

¹ The mandatory attributes are in RED



Section	ID	Attribute name (from EMCIP taxonomy)	Definition (from EMCIP reporting guidelines)	Mandatory (M) / Optional (O)	Data format	List of values	Simplified label for the reporting form
			be shown in first place in the investigation navigation tree			 Grounding/stranding Fire/Explosion Flooding/Foundering Loss of control Hull failure Missing 	
						Note: the value "Non-accidental event" will be excluded to ensure that reports are safety-related.	
	7	Occurrence with person(s)	The mode in which a person (crewmember, passenger or another person) was injured or killed	0	Dropdown list	As per EMCIP taxonomy (TA-522-TCL) • Accident Note: the values "Accid. not rel. to ship oper.", "Illness", "Suicide/homicide", "Unknown" will be excluded to ensure that reports are safety-related.	Type of accident to persons
Consequences to people	8	Lives lost – Crew- Casualty	The number of crew members that lost their lives. It includes dead and missing people	0	Number	n/a	Lives lost – Crew
	9	Lives lost – Passengers - Casualty	The number of passengers that lost their lives. It includes dead and missing people	0	Number	n/a	Lives lost – Passengers
	10	Lives lost – Other - Casualty	The number of other people that lost their lives. It includes dead and missing people	0	Number	n/a	Lives lost – Other
	11	People injured – Crew - Casualty	The number of crew member that resulted injured.	0	Number	n/a	People injured – Crew



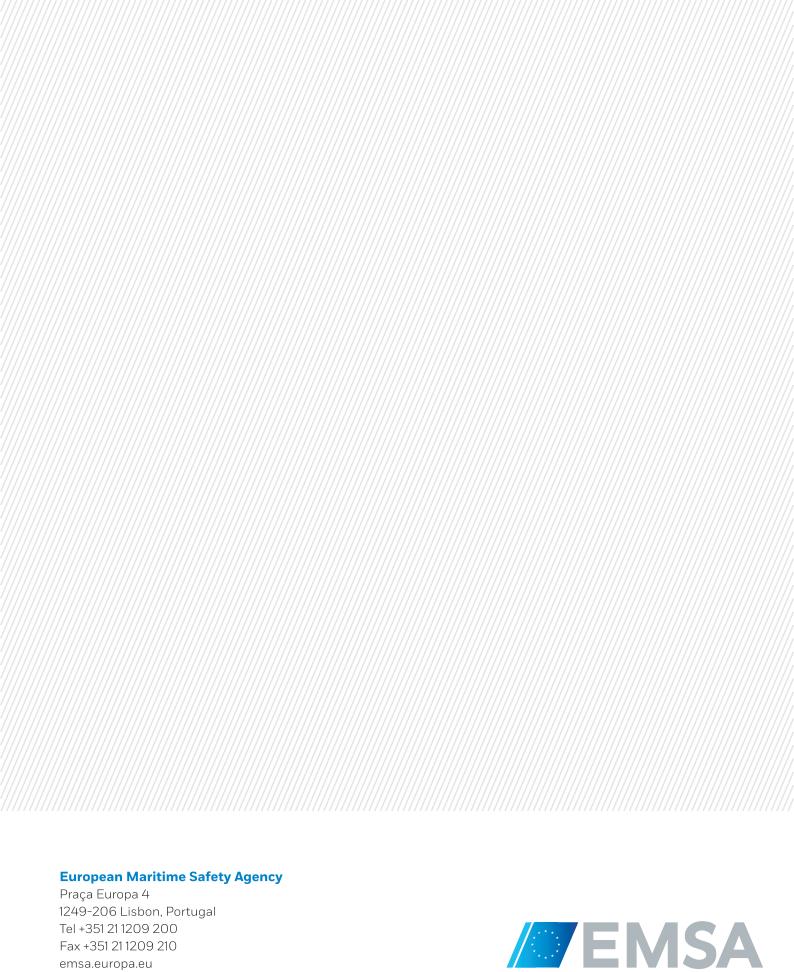
Section	ID	Attribute name (from EMCIP taxonomy)	Definition (from EMCIP reporting guidelines)	Mandatory (M) / Optional (O)	Data format	List of values	Simplified label for the reporting form
	12	People injured – Passenger – Casualty	The number of passengers that resulted injured.	0	Number	n/a	People injured – Passenger
	13	People injured – Other - Casualty	The number of other people that resulted injured.	0	Number	n/a	People injured – Other
Consequences to ship	14	Loss / damage to ship or equipment	Damage sustained by the ship or her equipment, including any kind of equipment breakdown	0	Dropdown list	As per EMCIP taxonomy (TA-13-TCL) level 1 • Material damage • No damage • Loss of ship Minor damage (less than material damage)	Damage to ship
	15	Cargo damage	Damage sustained to the ship's cargo	0	Dropdown list	As per EMCIP taxonomy (TA-4229-TCL) • Yes • No Unknown	Damage to cargo
Consequences to environment	16	Pollution (Bunker)	Marine pollution caused by the release of ship's bunkers as a consequence of a marine casualty	0	Dropdown list	As per EMCIP taxonomy (TA-17-TCL) • Yes • No • Unknown	Marine pollution due to bunker
	17	Pollution (Cargo)	Marine pollution caused by the release or loss of ship's cargo as a consequence of a marine casualty.	0	Dropdown list	As per EMCIP taxonomy (TA-18-TCL) • Yes	Marine pollution due to bunker cargo



Section	ID	Attribute name (from EMCIP taxonomy)	Definition (from EMCIP reporting guidelines)	Mandatory (M) / Optional (O)	Data format	List of values	Simplified label for the reporting form
						No Unknown	
	18	Release of pollutants in the air	Answer to the question if there was release of gases or other pollutants in the air as a consequence of the casualty or accident.	0	Dropdown list	As per EMCIP taxonomy (TA-343-TCL) • Yes • No • Unknown	Air pollution
Ships' particulars	19	Ship / craft type	It is the classification of the ship or craft according to ship main general activity.	0	Dropdown list	As per EMCIP taxonomy (TA-490-TCL) lev.1 Cargo ship Fishing vessel Fixed offshore drilling units Passenger ship Recreational craft Service ship Inland waterway vessel Navy ship Submersible Unknown	Type of ship
	20	Flag State	Flag State refers to the flag of the State that the ship was entitled to fly when the marine casualty or incident occurred	0	Dropdown list	Full list as per EMCIP taxonomy	Flag State
	21	Name of ship	The name of the ship at the time of the casualty/incident	М	Free text	n/a	Name of ship



Section	ID	Attribute name (from EMCIP taxonomy)	Definition (from EMCIP reporting guidelines)	Mandatory (M) / Optional (O)	Data format	List of values	Simplified label for the reporting form
	22	IMO number	Number assigned according to the IMO ship identification number scheme	0	7-digits (same validation rules as in EMCIP)	n/a	IMO number
	23	Call sign	The International Radio Call Sign assigned to the ship on the basis of its flag at the time of the marine casualty or incident	0	5 characters (same validation rules as in EMCIP)	n/a	Call sign
	24	Registry number	The national registry number is the distinctive letters/numbers that can identify the ship, e.g. the number of the national registry, fishing number	0	Free text	n/a	Registry number
Attached files	25	Other attachments	Several other files can be uploaded into this box except the investigation reports files (full, simplified or interim reports).	0	Pdf, MS word, jpeg, mov	n/a	Upload files (videos, pictures, documents etc.)



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