



European Maritime Safety Agency

SAFEMED III Seminar on Marine Accident Investigation

Data collection



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European Maritime Safety Agency

This presentation introduces...

- Why to collect data on marine accident investigations
- What to report
- How to report
- Whom to report to

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Why to report casualty investigation data

Remember these three because !!

1. Because there is an obligation
2. Because data stored in the database can be analysed to identify safety issues or risk patterns
3. Because data stored in the database can be used to compile statistics

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Data analysis consists of:

inspecting, cleaning, transforming, and modeling data with the goal of discovering useful information, suggesting conclusions, and supporting decision making.

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... exploratory or confirmatory approach?

Requisites for data analysis

- You know what you are after
- You know what you are looking for
- What you probably don't know yet is what you will find, ... but you may bet ☺

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... and of course, you need the data !

Data requisites for effective data analysis

- Reliable source
- Good data quality
- Efficient reporting

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Statistics, what for?

to provide participants in the shipping industry and other interested parties with information on what accidents and incidents have happened, how often they have happened, and what can be learnt from them.


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... they bring a safety message!

MSC.MEPC.3/Circ.4



GISIS Notification Form

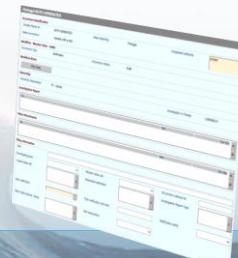


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Annex II – Directive 2009/18



EMCIP Notification Form



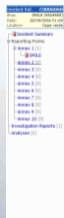
Reporting steps in EMCIP

Reporting follows two steps:

- First, Notification
- Second, casualty analysis (investigation)...

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Reporting steps in GISIS

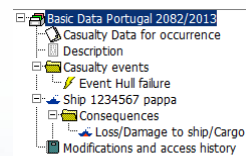


Before it was based on 10 Annexes

Since Circ.4 was adopted, it is more similar to EMCIP (with earlier notification and similar data content)

Similarity should be noticeable soon...

This is the casualty investigation encoded in EMCIP

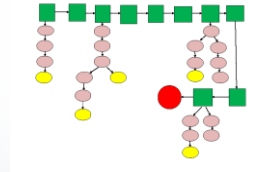


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... should follow a logical schema!

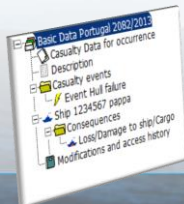
Reporting process shall follow a logical reconstruction and analysis of events

Chronological reconstruction of events and "Event and Contributing Factors analysis"



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EMCIP codification of casualty data



... should follow a logical schema!

Bear always in mind...

Though you might lead an investigation where an EU accident investigation body is involved as substantial interested State,

and you will commit to record the investigation results into GISIS (IMO)

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don't forget, they will need to report in EMCIP, anyway

THEREFORE, good cooperation and communication is essential

¿ Questions ?

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