

Unit 4

Marine Casualties and Incidents

Marine casualties

- In accordance with the RESOLUTION A.849(20) adopted on 27 November 1997 - CODE FOR THE INVESTIGATION OF MARINE CASUALTIES AND INCIDENTS a marine casualty is an event that has resulted in any of the following:
 - **the death of, or serious injury to, a person that is caused by, or in connection with, the operations of a ship; or**
 - **the loss of a person from a ship that is caused by, or in connection with, the operations of a ship; or**

- **the loss, presumed loss or abandonment of a ship; or**
- **material damage to a ship; or**
- **the stranding or disabling of a ship, or the involvement of a ship in a collision; or**
- **material damage being caused by, or in connection with, the operation of a ship; or**
- **damage to the environment brought about by the damage of a ship or ships being caused by, or in connection with, the operations of a ship or ships.**

Marine Casualty – supply the missing information

- the RESOLUTION A.849(20) adopted on 27 November 1997 -
..... a marine casualty is an _____ that has resulted in any of the following:
 - the _____ of, or serious injury to, a person that is _____ by, or in connection with, the operations of a ship; or
 - the _____ of a person from a ship that is caused by, or, the operations of a ship; or

Fill in the missing terms

- the loss, _____ loss or abandonment of a ship; or
- _____ damage to a ship; or
- the _____ or disabling of a ship, or the _____ of a ship in a collision; or
- material damage being _____ by, or in connection with, the operation of a ship; or
- damage to the _____ brought about by the damage of a ship or ships being caused by, or in connection with, the _____ of a ship or ships.

Under the same Resolution, marine casualties are **further subdivided** into the following categories (RESOLUTION A.849(20):

- 4.2 **Very serious casualty** means a casualty to a ship which involves the total loss of the ship, loss of life or severe pollution.
- 4.3 **Serious casualty** means a casualty which does not qualify as a very serious casualty and which involves:
 - .1 a fire, explosion, grounding, contact, heavy weather damage, ice damage, hull cracking or suspected hull defect, etc., resulting in;
 - .2 structural damage rendering the ship unseaworthy, such as penetration of the hull underwater, immobilization of main engines, extensive accommodation damage etc.; or
 - .3 pollution (regardless of quantity); and/or
 - .4 a breakdown necessitating towage or shore assistance.

marine casualties are **further sub-divided** into the following categories - **supply the missing information and terms**

- 4.2 **Very serious casualty** means a casualty to a ship which
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- 4.3 **Serious casualty** means a casualty which
..... and which involves:
 - .1 a fire, _____, grounding, _____, heavy weather damage, ice damage, hull _____ or _____ hull defect, etc., resulting in;
 - .2 _____ damage _____ the ship unseaworthy, such as penetration of the hull underwater, _____ of main engines, extensive _____ damage etc.; or
 - .3 _____ (regardless of quantity); and/or
 - .4 a _____ necessitating towage or shore assistance.

Marine Incidents

- 4.4 *Marine incident* means an occurrence or event being caused by, or in connection with, the operations of a ship
 - **by which the ship or any person is imperilled, or**
 - **as a result of which serious damage to the ship or structure or the environment might be caused.**

Marine Incidents – supply the missing terms

- 4.4 *Marine incident* means an _____ or _____ being caused by, or in connection with, the operations of a ship by which the ship or any person is _____, or as a result of which _____ damage to the ship or _____ or the _____ might be caused.
-

Other definitions from the same resolution include:

- 4.5 **Causes** means actions, omissions, events, existing or pre-existing conditions or a combination thereof, which led to the casualty or incident.
- 4.6 **Marine casualty or incident safety investigation** means a process held either in public or in camera conducted for the purpose of casualty prevention which includes the gathering and analysis of information, the drawing of conclusions, including the identification of the circumstances and the determination of causes and contributing factors and, when appropriate, the making of safety recommendations.
- 4.7 **Marine casualty investigator** means a person or persons qualified and appointed to investigate a casualty, or incident, under procedures laid down in national legislation for the furtherance of **marine safety and protection of the marine environment**.
- 4.8 **Serious injury** means an injury which is sustained by a person in a casualty resulting in incapacitation for more than 72 hours commencing within seven days from the date of injury.

Other definitions – supply the missing information:

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Supply the missing term

- 4.7 _____ means a person or persons qualified and appointed to investigate a _____, or incident, under _____ in national legislation for the furtherance of marine safety and protection of the _____.
- 4.8 _____ means an injury which is _____ by a person in a casualty resulting in _____ for more than 72 hours commencing within seven days from the date of _____.

5 Conduct of marine casualty investigations

- 5.1 Where an investigation is to be conducted, the following should be taken into consideration:
- Thorough and unbiased marine casualty investigations are the most effective way of establishing the circumstances and causes of a casualty.
- Only through co-operation between States with a substantial interest can a full analysis be made of a marine casualty.
- Marine casualty investigations should be given the same priority as criminal or other investigations held to determine responsibility or blame.
- Marine casualty investigators should have ready access to relevant safety information including survey records held by the flag State, the owners, and classification societies.

5 _____ of marine casualty investigations

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- Only _____ co-operation between States with a substantial interest can a full analysis be made of a _____ casualty.
- _____ should be given the same priority as criminal or other _____ held to determine responsibility or _____.
- Marine casualty _____ should have ready access to relevant safety information including survey records held by the _____, the owners, and _____ societies.

5 Conduct of marine casualty investigations

- Access to information should not be barred by reason of competing investigations.
- Effective use should be made of all recorded data, including voyage data recorders (VDR), if fitted, in the investigation of a marine casualty or marine incident wherever it occurred.
- The State conducting the investigation should arrange for the read-out of the VDR.
- Marine casualty investigators should be afforded access to Government surveyors, coastguard officers, vessel traffic service operators, pilots or other marine personnel of the respective States.
- The investigation should take into account any recommendations or instruments published by IMO or ILO, in particular those relating to the human factor, and any other recommendations or instruments adopted by other relevant international organizations.
- Reports of investigations are most effective when released to the shipping industry and public.

5 Conduct of marine casualty investigations – cloze test

- Access to information should _____ be barred by reason _____ competing investigations.
- Effective use _____ be made of _____ recorded data, including voyage _____ recorders (VDR), if fitted, in _____ investigation of a marine _____ or marine incident wherever it _____.
- The State conducting the _____ should arrange for the _____ of the VDR.
- Marine _____ investigators should be _____ access to Government surveyors, _____ officers, vessel traffic service _____, pilots or other marine personnel _____ the respective States.
- The i _____ should take into account _____ recommendations or instruments published _____ IMO or ILO, in _____ those relating to the _____ factor, and any other _____ or instruments adopted by _____ relevant international organizations.
- _____ of investigations are most _____ when released to the _____ industry and public.