

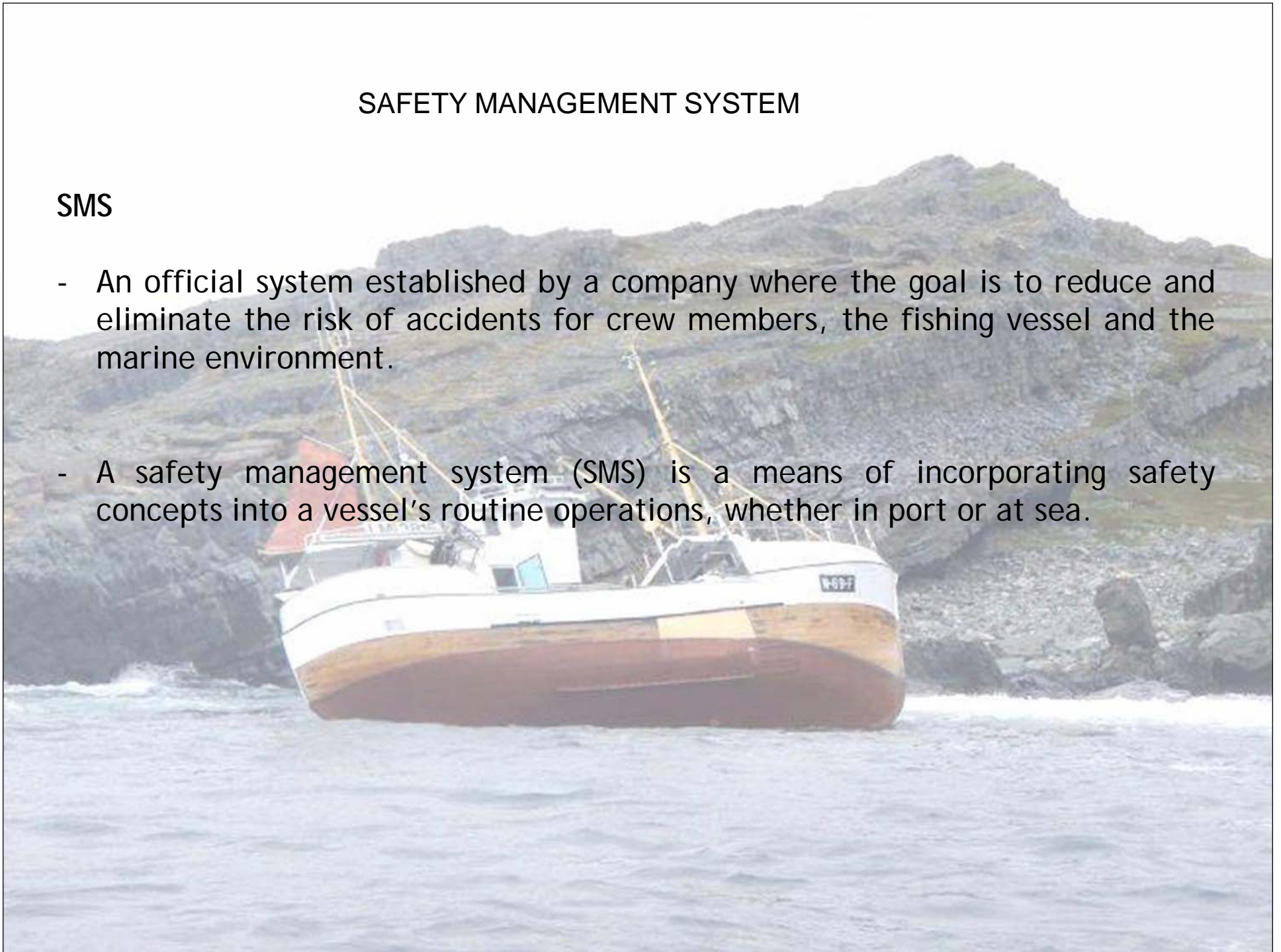


SAFETY MANAGEMENT SYSTEM

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SMS

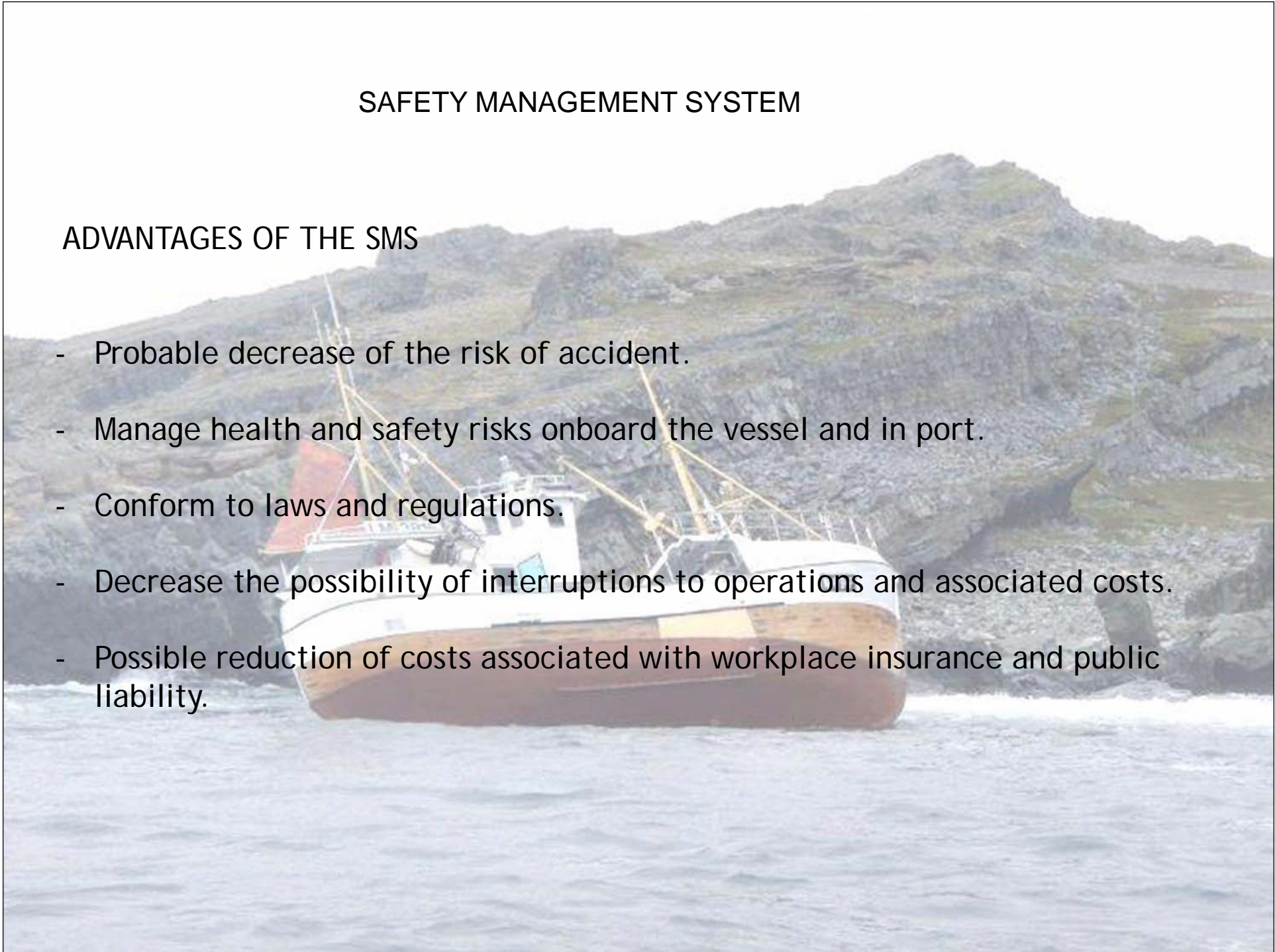
- An official system established by a company where the goal is to reduce and eliminate the risk of accidents for crew members, the fishing vessel and the marine environment.
- A safety management system (SMS) is a means of incorporating safety concepts into a vessel's routine operations, whether in port or at sea.



SAFETY MANAGEMENT SYSTEM

ADVANTAGES OF THE SMS

- Probable decrease of the risk of accident.
- Manage health and safety risks onboard the vessel and in port.
- Conform to laws and regulations.
- Decrease the possibility of interruptions to operations and associated costs.
- Possible reduction of costs associated with workplace insurance and public liability.



SAFETY MANAGEMENT SYSTEM

LAWS AND REGULATIONS

- Canada Shipping Act 2001
- Occupational Health and Safety Act
- Marine Personnel Regulations



SAFETY MANAGEMENT SYSTEM

LAWS AND REGULATIONS

- 2001 Canada Shipping Act
- Efficiency of the maritime transport network.
- Harmonisation of maritime practices.
- The establishment of an efficient inspection programme and the enforcement of laws.



SAFETY MANAGEMENT SYSTEM

LAWS AND REGULATIONS

- Occupational Health and Safety Act

- Elimination at the source of occupational hazards, and the safety and physical integrity of workers.
- The prevention of occupational injuries (workplace-based accidents and illnesses).



SAFETY MANAGEMENT SYSTEM

LAWS AND REGULATIONS

- Marine Personnel Regulations
- Implementation of a safe and efficient marine transport network.
- Qualification requirements, training and certification for seafarers.



SSAFETY MANAGEMENT SYSTEM

LAWS AND REGULATIONS

- Marine Personnel Regulations

Part 1

- Licenses and certificates for seafarers.

Part 2

- Number and type of necessary methods to ensure the safe operation of vessels and prevent pollution.
- A document stating the minimum safety requirements for vessels that require a safety inspection.



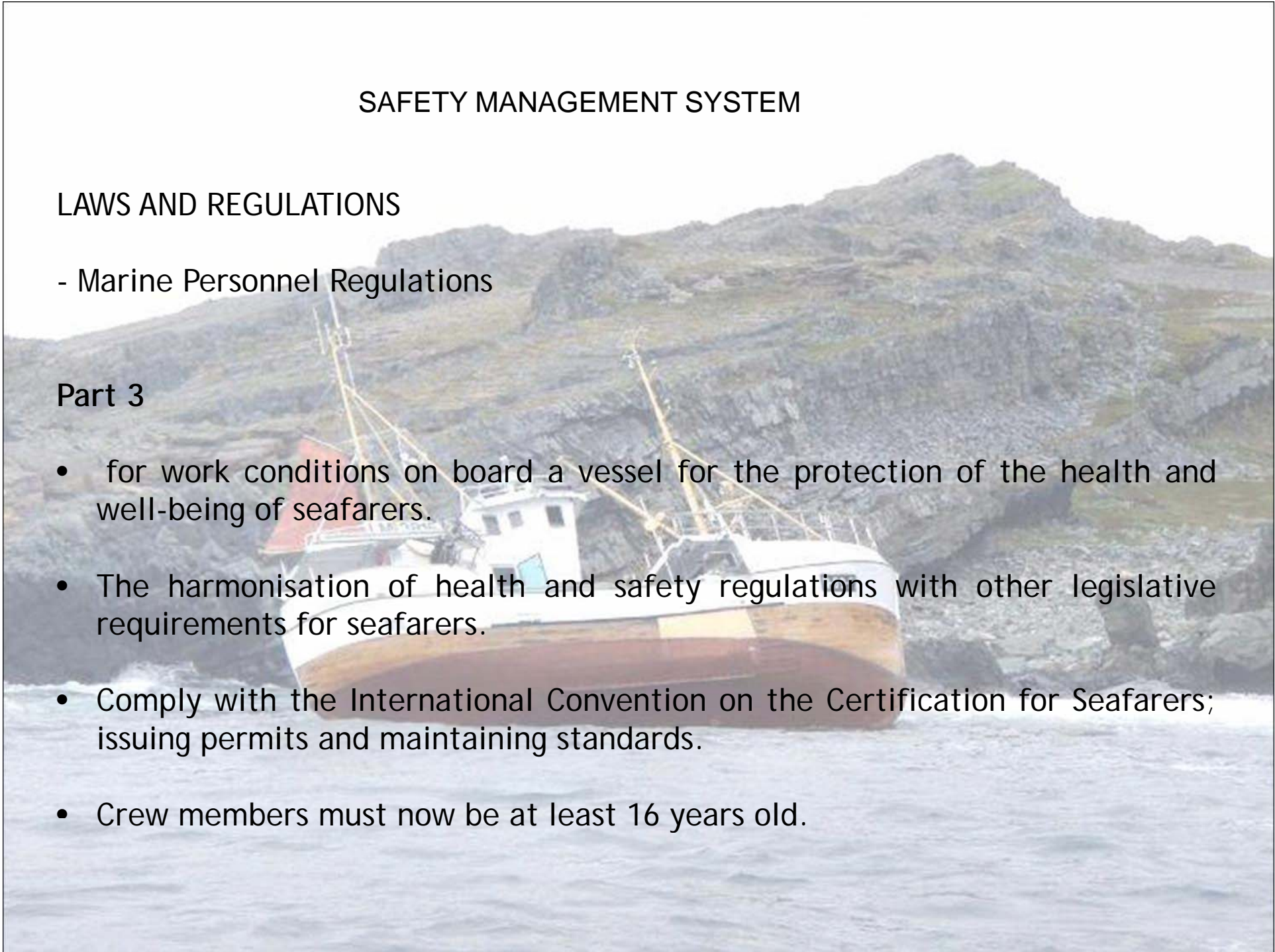
SAFETY MANAGEMENT SYSTEM

LAWS AND REGULATIONS

- Marine Personnel Regulations

Part 3

- for work conditions on board a vessel for the protection of the health and well-being of seafarers.
- The harmonisation of health and safety regulations with other legislative requirements for seafarers.
- Comply with the International Convention on the Certification for Seafarers; issuing permits and maintaining standards.
- Crew members must now be at least 16 years old.



SAFETY MANAGMENT SYSTEM

LAWS AND REGULATIONS

- Maritime Personnel Regulations

Part 3 (continued)

- Limit the number of hours worked by employees who are less than 18 years old.
- Employment conditions relative to hours of work and rest depending on the type of operation and meals.
- Seafarers and authorised representatives will be required to keep a record of their status of service at sea.



SAFETY MANAGEMENT SYSTEM

LAWS AND REGULATIONS

- Maritime Personnel Regulations

Training and familiarization of crew

- Onboard equipment specific to the vessel.
- Operational procedures specific to the vessel.
- Assigned duties.
- Essential practices for safety, and the prevention and mitigation of pollution.



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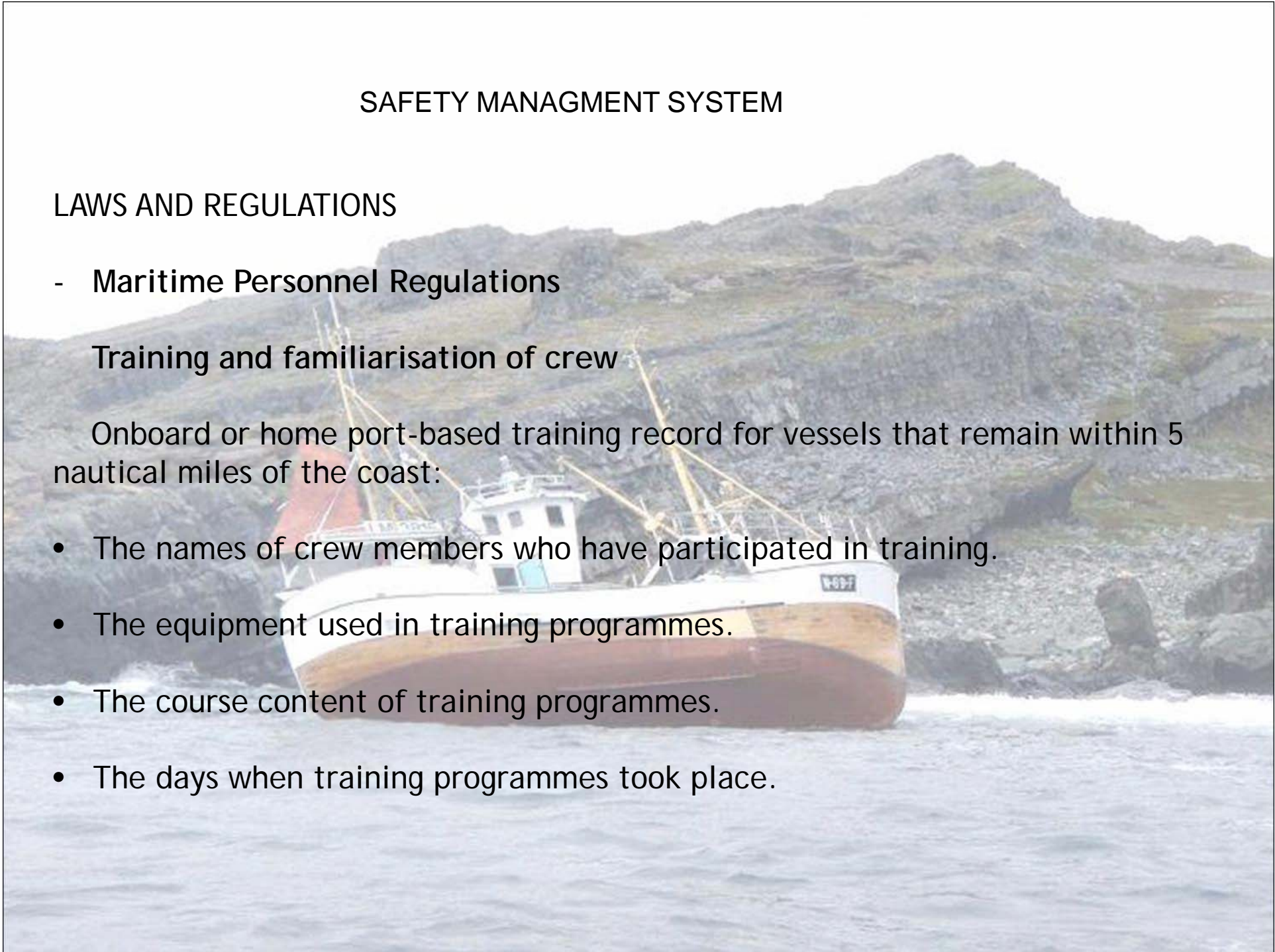
LAWS AND REGULATIONS

- Maritime Personnel Regulations

Training and familiarisation of crew

Onboard or home port-based training record for vessels that remain within 5 nautical miles of the coast:

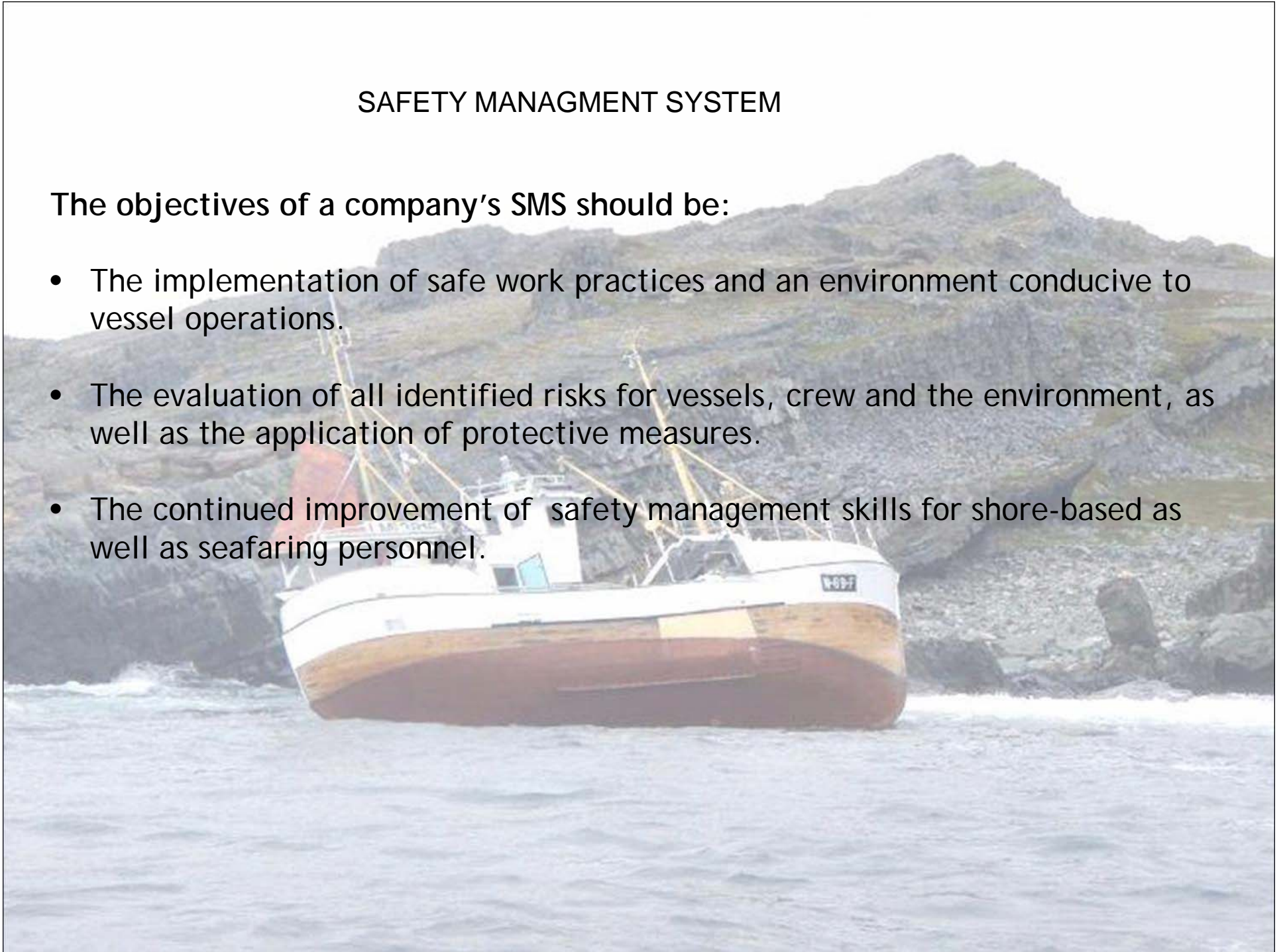
- The names of crew members who have participated in training.
- The equipment used in training programmes.
- The course content of training programmes.
- The days when training programmes took place.



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The objectives of a company's SMS should be:

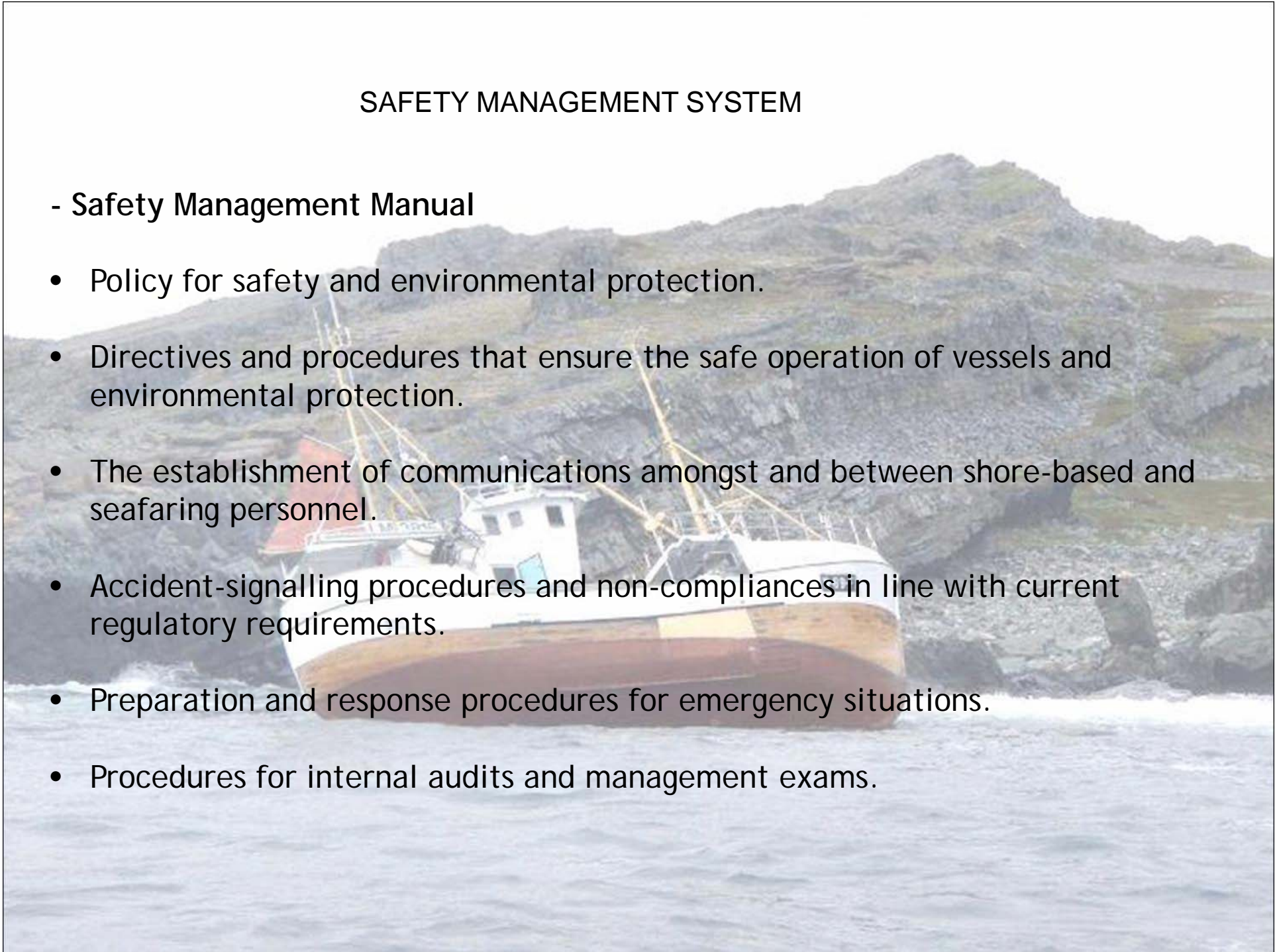
- The implementation of safe work practices and an environment conducive to vessel operations.
- The evaluation of all identified risks for vessels, crew and the environment, as well as the application of protective measures.
- The continued improvement of safety management skills for shore-based as well as seafaring personnel.



SAFETY MANAGEMENT SYSTEM

- Safety Management Manual

- Policy for safety and environmental protection.
- Directives and procedures that ensure the safe operation of vessels and environmental protection.
- The establishment of communications amongst and between shore-based and seafaring personnel.
- Accident-signalling procedures and non-compliances in line with current regulatory requirements.
- Preparation and response procedures for emergency situations.
- Procedures for internal audits and management exams.



SAFETY MANAGEMENT SYSTEM

Resources and Personnel

1- The designated person

The designated person must ensure the safe operation of each vessel and maintain a relationship between the company and crew members. The person must:

- Be competent and experienced.
- Have a good understanding of the company's safety and pollution policies.
- Be capable of communicating clearly at all levels of a company.



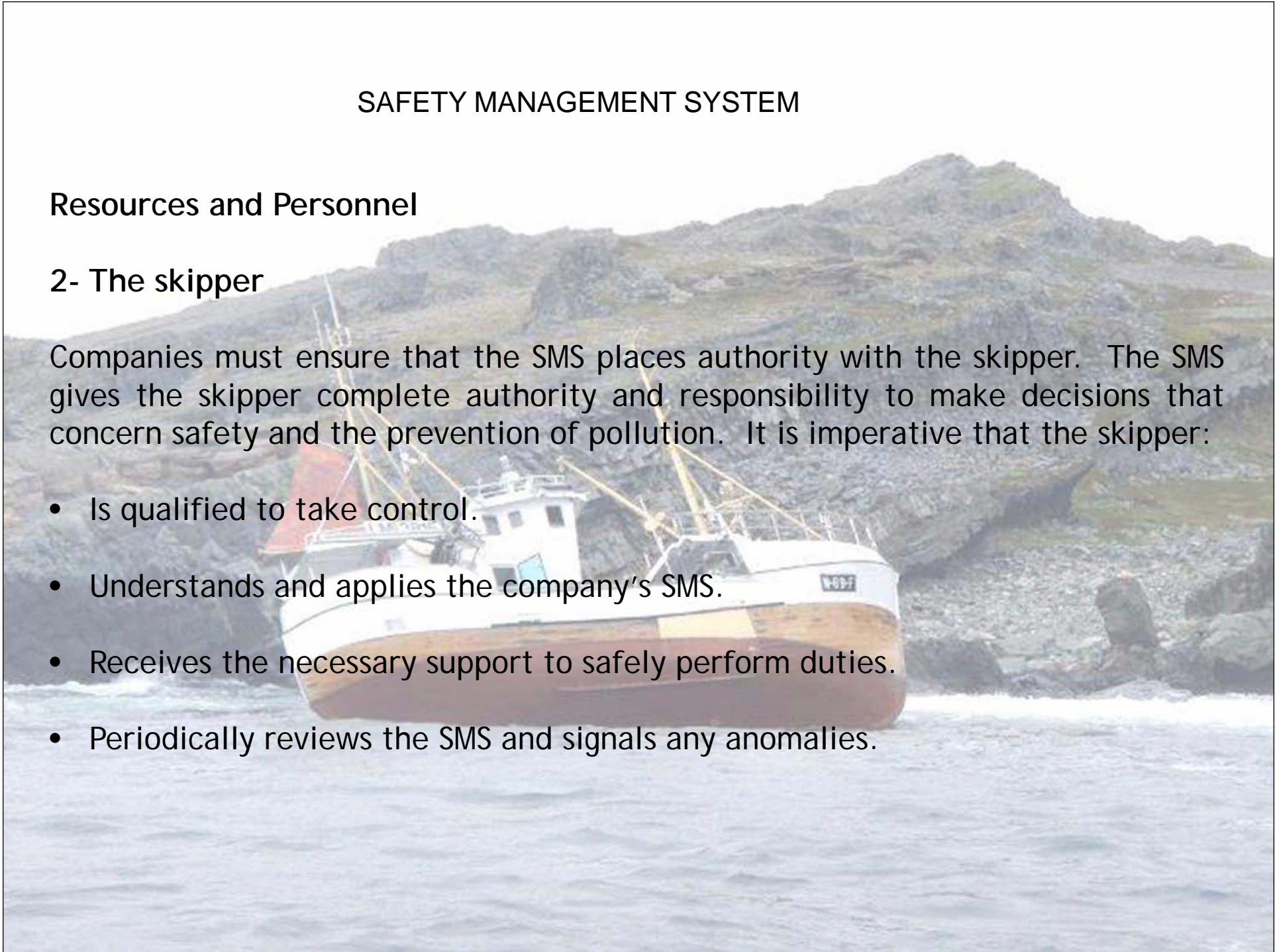
SAFETY MANAGEMENT SYSTEM

Resources and Personnel

2- The skipper

Companies must ensure that the SMS places authority with the skipper. The SMS gives the skipper complete authority and responsibility to make decisions that concern safety and the prevention of pollution. It is imperative that the skipper:

- Is qualified to take control.
- Understands and applies the company's SMS.
- Receives the necessary support to safely perform duties.
- Periodically reviews the SMS and signals any anomalies.



SAFETY MANAGEMENT SYSTEM

Resources and personnel

3- The vessel

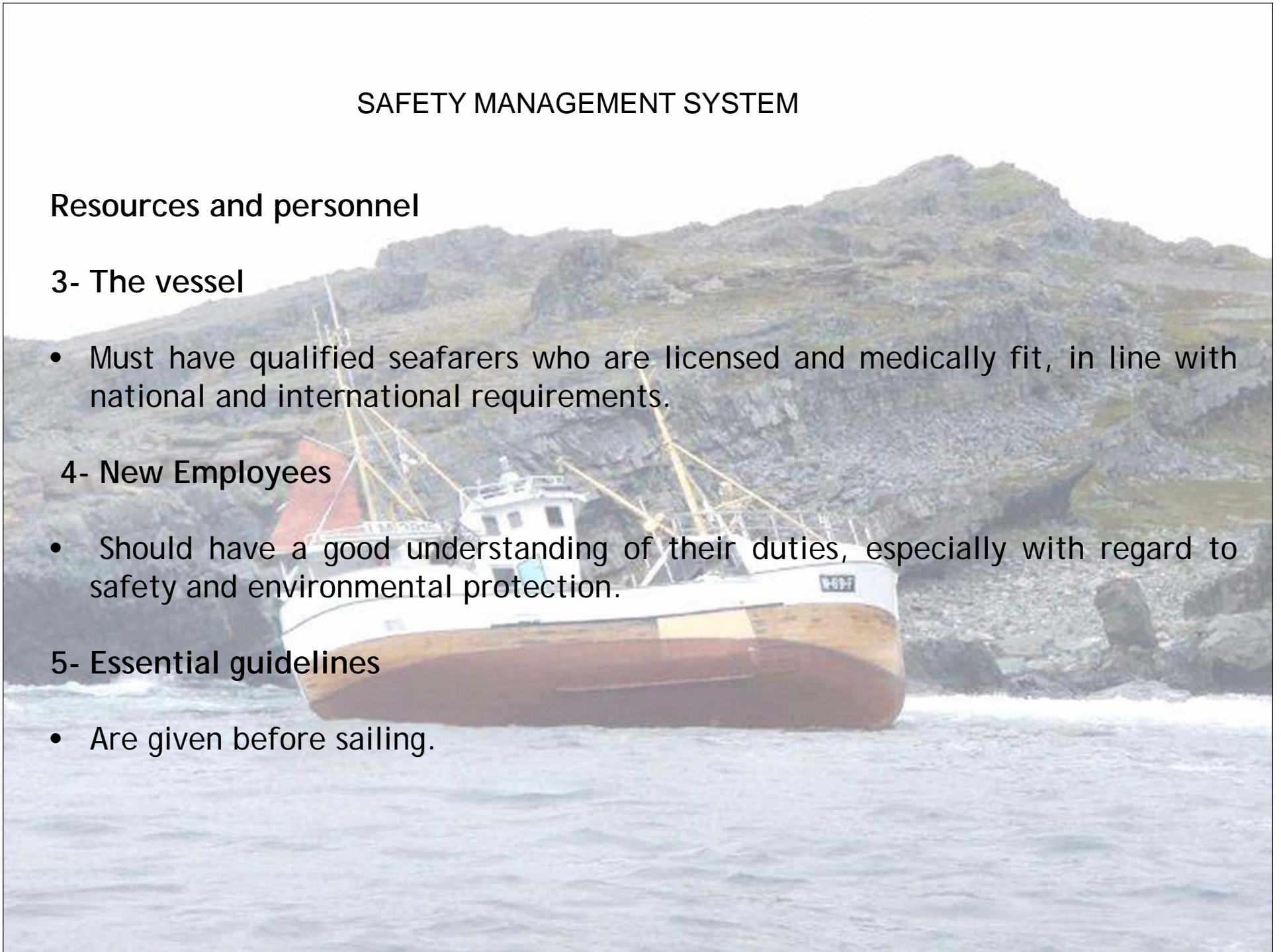
- Must have qualified seafarers who are licensed and medically fit, in line with national and international requirements.

4- New Employees

- Should have a good understanding of their duties, especially with regard to safety and environmental protection.

5- Essential guidelines

- Are given before sailing.



SAFETY MANAGEMENT

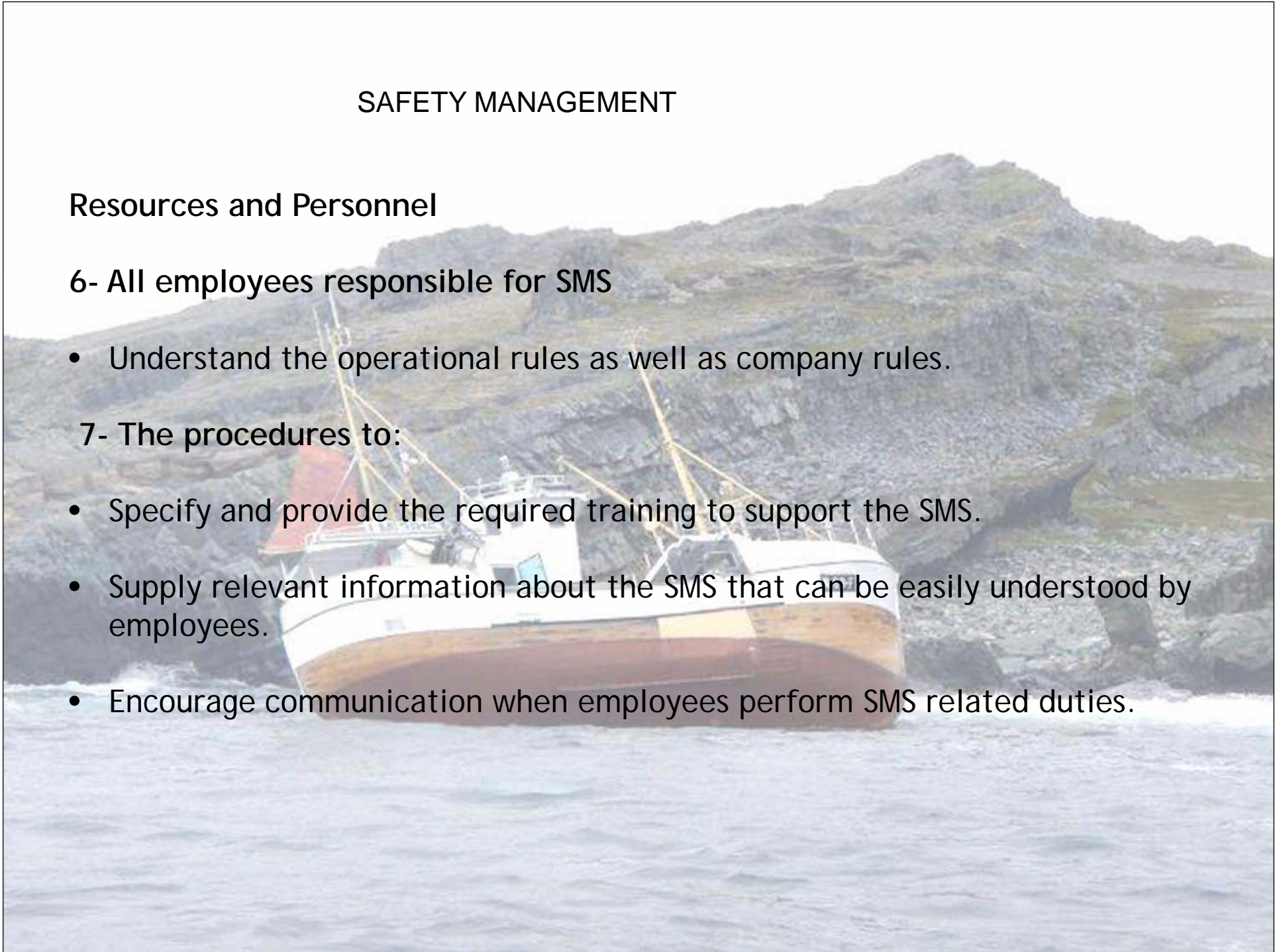
Resources and Personnel

6- All employees responsible for SMS

- Understand the operational rules as well as company rules.

7- The procedures to:

- Specify and provide the required training to support the SMS.
- Supply relevant information about the SMS that can be easily understood by employees.
- Encourage communication when employees perform SMS related duties.



SAFETY MANAGMENT SYSTEM

Onboard operations

1- Procedures and guidelines to

- Specify the operations for the safety of personnel aboard a vessel.
- Establish duties for qualified personnel.

2- Emergency preparation

- Identify emergency situations and response procedures.
- Implement training exercises.



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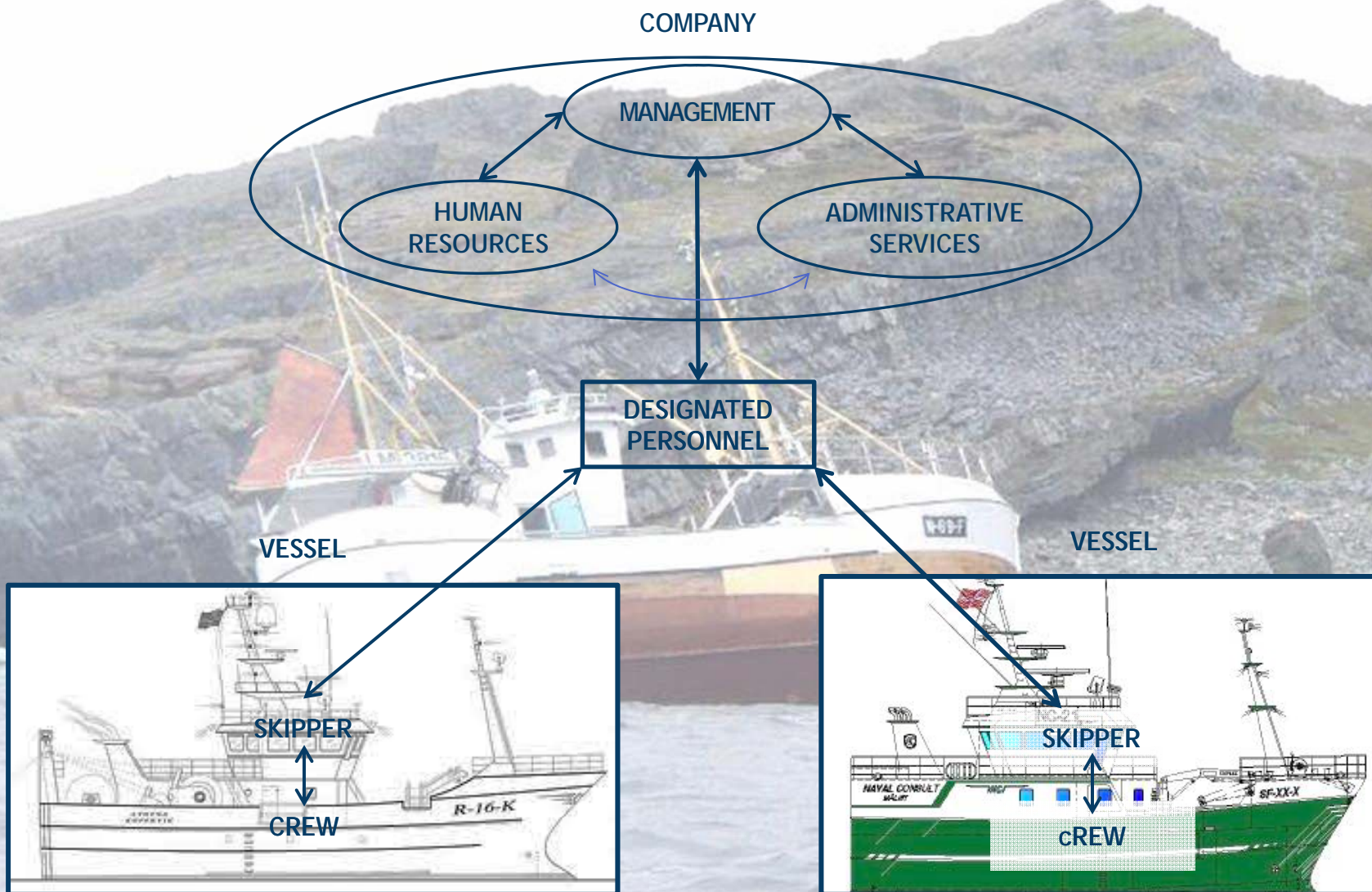
Onboard operations (continued)

3- Reports and analyses of non-compliances, accidents and dangerous situations

- Signal non-compliances, accidents and dangerous situations.
- Implement an analysis and correction system to improve safety and prevent pollution.



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SAFETY MANAGEMENT SYSTEM

Vessel and equipment maintenance

- 1- Implementation of vessel maintenance procedures according to applicable requirements and regulations.
- 2- Signalling of equipment and technical systems that present hazards.
- 3- The improvement of equipment reliability.
- 4- Periodically testing safety equipment.
- 5- Equipment inspections should be integrated into the regular maintenance duties of vessels.



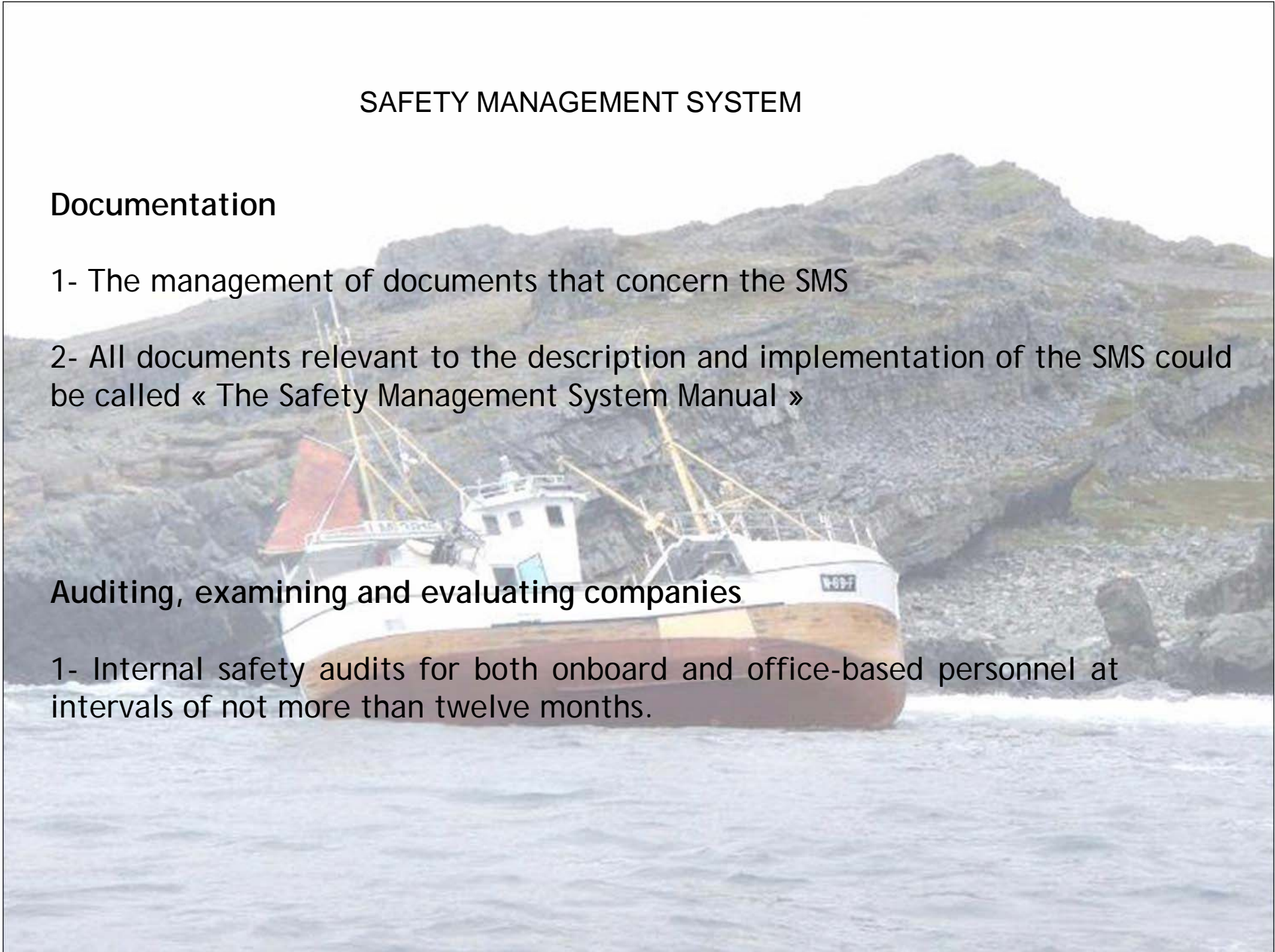
SAFETY MANAGEMENT SYSTEM

Documentation

- 1- The management of documents that concern the SMS
- 2- All documents relevant to the description and implementation of the SMS could be called « The Safety Management System Manual »

Auditing, examining and evaluating companies

- 1- Internal safety audits for both onboard and office-based personnel at intervals of not more than twelve months.



SAFETY MANAGEMENT SYSTEM

COMPANY

SKIPPER-
OWNER

VESSEL

CREW

