

<b>Title</b>	<b>Demonstrate personal and social responsibilities on vessels to STCW–Basic requirements</b>		
<b>Level</b>	<b>4</b>	<b>Credits</b>	<b>5</b>

<b>Purpose</b>	<p>This unit standard is intended for people requiring training and assessment in personal and social responsibilities to International Maritime Organisation STCW–Basic requirements.</p> <p>People credited with this unit standard are able to: describe compliance with emergency procedures on a commercial vessel to STCW-Basic requirements; describe and apply precautions to prevent pollution of the marine environment; demonstrate and apply knowledge of safe working practices on vessels; demonstrate knowledge of New Zealand health and safety legislation relevant to maritime operations; demonstrate knowledge of the Seafarer Certificate and Operational Limits Framework (SeaCert); describe and maintain effective communications; describe and maintain human relationships on board vessels; and describe and take necessary actions to control fatigue on board vessels.</p>
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<b>Classification</b>	Maritime > Sea Survival and Sea Safety
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<b>Available grade</b>	Achieved
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## Guidance Information

- 1 Legislation relevant to this unit standard includes:  
Health and Safety at Work Act 2015.  
Maritime Transport Act 1994 and subsequent amendments.
- 2 References  
Maritime Rules, Advisory Circulars and information on MOSS. Available at [www.maritimenz.govt.nz](http://www.maritimenz.govt.nz).  
International Maritime Organization, *International Convention on Standards of Training, Certification and Watchkeeping (STCW) for Seafarers and STCW Code, including 2010 Manila amendments* London 2011, IMO 938E, Print edition ISBN 978-92-801-1528-4.  
Maritime New Zealand, *SeaCert Seafarer Certification and Operational Limits Framework*, Wellington 2014.
- 3 Definitions  
*Accepted industry practice* refers to standardised practices and procedures accepted by the wider maritime industry as examples of best practice.

*MTOP* stands for Maritime Transport Operator Plan which refers to the documented operational plan required for all commercial vessels as a part of the Maritime Operator Safety System (MOSS), the operator certification system established under Part 19 of the maritime rules and administered by Maritime New Zealand.

*Operating procedures* refers to the safe operating procedures documented in the vessel's Marine Transport Operator Plan as well as any undocumented standard operating procedures for that vessel.

*STCW* refers to the International Maritime Organisation's convention on the Standards of Training, Certification and Watchkeeping for Seafarers. The convention establishes basic requirements on training, certification and watchkeeping for seafarers on an international level.

*Vessel* refers to any form of commercial or military watercraft; sometimes used in maritime circles interchangeably with the word *ship*.

- 4 This unit standard includes outcomes and evidence requirements that cover the following training requirements of STCW Code, Table A-VI/1-4, *Specification of minimum standard of competence in personal safety and social responsibility*:
  - Comply with emergency procedures
  - Take precautions to avoid pollution of the marine environment
  - Observe safe working practices
  - Contribute to effective communications on board ship
  - Contribute to effective human relationships on board ship
  - Understand and take necessary actions to control fatigue.
- 5 Assessment information
  - a Competency may be demonstrated using simulated scenarios.
  - b All activities and evidence must be in accordance with accepted industry practice, and vessel operating procedures.

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## Outcomes and performance criteria

### Outcome 1

Describe compliance with emergency procedures on a commercial vessel to STCW-Basic requirements.

Range fire, collision, foundering, ingress of water.

### Performance criteria

- 1.1 Contingency plans for response to emergencies are described.
- 1.2 Emergency signals and specific duties allocated to crew members are described.
- 1.3 Actions to take on discovering potential emergencies are described.
- 1.4 The value of training and drills, and the need to be ready for any emergency requiring ship abandonment is explained in terms of maintenance safety of persons and vessel.

## Outcome 2

Describe and apply precautions to prevent pollution of the marine environment.

### Performance criteria

- 2.1 The impact of operational or accidental pollution is explained in terms of the adverse effects on the marine environment.
- 2.2 Basic environmental protection procedures are followed in accordance with maritime rules or regulations.  
  
Range refuelling operations, sewage and rubbish collection and disposal.
- 2.3 The marine environment is described in terms of its complexity and diversity.
- 2.4 Organisational procedures designed to safeguard the marine environment are implemented.

## Outcome 3

Demonstrate and apply knowledge of safe working practices on vessels.

### Performance criteria

- 3.1 The importance of adhering to safe working practices on board is explained in general and for candidate's own expected on board context.
- 3.2 Enclosed spaces are defined and identified, and precautions to take prior to entering an enclosed space are described for typical on board scenarios.
- 3.3 Atmospheric and non-atmospheric hazards associated with confined spaces are stated.
- 3.4 Safety and protective devices available to protect against potential hazards are identified for two typical on-board scenarios.
- 3.5 Safe working practices are followed, and appropriate safety and protective equipment is used.
- 3.6 Measures for the prevention of accidents and maintenance of occupational health on ships and in port are identified.  
  
Range hazard identification and reporting system, hazard management, near-miss reporting, accident investigation.

## Outcome 4

Demonstrate knowledge of New Zealand health and safety legislation relevant to maritime operations.

**Performance criteria**

- 4.1 Responsibilities of employers under the Health and Safety at Work (HSW) Act are described.
- Range taking all practicable steps to ensure the safety of employees, providing personal protective clothing and equipment, managing hazards, providing supervision and training, recording and investigating incidents.
- 4.2 Responsibilities and rights of employees under the HSW Act are described.
- Range protecting the health and safety of self and others, using protective clothing and equipment, the right to refuse unsafe work, to be adequately supervised and/or trained.
- 4.3 The hierarchy of strategies for managing hazards is explained in accordance with the requirements of the HSW Act.
- 4.4 Maritime New Zealand's role as administrator of the HSW Act is explained for work on board New Zealand commercial vessels.
- 4.5 WorkSafe New Zealand's role as administrator of the HSW Act is explained for work ashore in New Zealand.
- 4.6 Enforcement tools that may be used by Maritime New Zealand to achieve compliance or to deal with a breach of the HSW Act are identified.
- 4.7 The purpose of the MOSS is described in terms of maintaining the health and safety of vessel passengers and crew.
- 4.8 The key health and safety components of a MTOP are explained in accordance with Maritime New Zealand requirements.
- Range identification of activities; identification and assessment of risks; safe operating procedures for harm prevention and emergency response; survey documents.

**Outcome 5**

Demonstrate knowledge of the Seafarer Certification and Operational Limits Framework (SeaCert).

**Performance criteria**

- 5.1 Requirements for certification for seafarer roles are identified in accordance with SeaCert.
- Range certificates, ancillary certificates, entry, minimum service, operating limits, training requirements; evidence of two roles is required.

- 5.2 The legal requirements and importance of maintaining correct maritime qualifications in accordance with Maritime Rules Part 32 and 35 are explained in terms of maintaining health and safety on board.
- 5.3 The fit and proper person declaration and requirements for maintaining medical and eyesight checks in accordance with maritime rules and codes are explained in terms of maintaining health and safety on board.
- 5.4 The requirements for maintaining current first aid certification are explained in terms of maintaining health and safety on board.

### **Outcome 6**

Describe and maintain effective communications on board vessels.

#### **Performance criteria**

- 6.1 Principles of, and barriers to, effective communication with other persons on board the vessel are described for team and individual scenarios.
- 6.2 Communications with other persons on board the vessel are established, maintained, and are clear and effective.

### **Outcome 7**

Describe and maintain effective human relationships on board vessels.

#### **Performance criteria**

- 7.1 Factors that influence effective on board human relationships are outlined.
- Range teamwork principles and practice, conflict resolution, social responsibilities, employment conditions, individual rights and obligations, dangers of drug and alcohol abuse.
- 7.2 Work and behaviour on board vessels are maintained.

### **Outcome 8**

Describe and take necessary actions to control fatigue on board vessels.

#### **Performance criteria**

- 8.1 Factors affecting fatigue are listed and strategies for managing these are explained.
- Range rest, sleep, schedule changes, the circadian rhythm, physical stressors, environmental stressors in and outside of the vessel.
- 8.2 Fatigue management practices are observed.

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<b>Planned review date</b>	31 December 2025
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**Status information and last date for assessment for superseded versions**

Process	Version	Date	Last Date for Assessment
Registration	1	15 October 2015	31 December 2022
Review	2	24 September 2020	N/A

<b>Consent and Moderation Requirements (CMR) reference</b>	0054
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This CMR can be accessed at <http://www.nzqa.govt.nz/framework/search/index.do>.

**Comments on this unit standard**

Please contact Competenz [qualifications@competenz.org.nz](mailto:qualifications@competenz.org.nz) if you wish to suggest changes to the content of this unit standard.