

Title	Demonstrate knowledge of vessel operating procedures to prevent harm to people and the environment in normal operations		
Level	3	Credits	5

Purpose	<p>This unit standard is intended for persons studying towards a qualification in vessel operation or crewing with the intention of applying for a Maritime New Zealand licence.</p> <p>People credited with this unit standard are able to: identify and describe legislative requirements designed to protect passengers, crew, and the environment during normal vessel operations; identify hazards and risks on board a vessel and describe control measures for those risks; and demonstrate knowledge of procedures used to maintain the safety of crew, passengers, and the environment during cleaning and refuelling operations.</p>
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Classification	Maritime > Sea Survival and Sea Safety
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Available grade	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.
Local bylaws as applicable.
- 2 Definitions
Accepted industry practice refers to standardised procedures accepted by the wider maritime industry as examples of best practice.
MOSS refers to maritime operator safety system.
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.
Normal operations refers to vessel operations other than emergency operations.
Operating procedures refers to the safe operating procedures documented in the vessel's MTOP as well as any undocumented standard operating procedures for that vessel.
PCBU refers to person conducting a business or undertaking.
Vessel refers to any form of commercial or military watercraft; sometimes used in maritime circles interchangeably with the word *ship*.

3 Assessment information

All activities and evidence must be in accordance with accepted industry practice, and vessel's operating procedures.

Outcomes and performance criteria

Outcome 1

Identify and describe legislative requirements relevant to the protection of passengers, crew, and the environment during normal vessel operations.

Performance criteria

- 1.1 Legislative requirements for the prevention of pollution of the marine environment, which affect crew activities are identified.
- Range may include – government acts, regulations and rules, local authority bylaws.
- 1.2 The main purpose of the Health and Safety at Work Act 2015 is described.
- 1.3 The responsibilities of the PCBU and workers under the Health and Safety at Work Act 2015 are described.
- 1.4 The health and safety obligations of the vessel owner, operator, and skipper under MOSS are described.
- 1.5 The health and safety procedures aboard the vessel are described.
- Range training, employee participation, hazard reporting.
- 1.6 The requirements for reporting incidents and accidents are described.

Outcome 2

Identify hazards and risks on board a vessel and describe control measures for those risks.

Performance criteria

- 2.1 Hazards and their associated risks are identified and described.
- Range evidence of four hazards.
- 2.2 Measures which may be used to control identified risks are identified and their application is described.
- Range evidence of one control measure for each risk identified in performance criterion 2.1.

- 2.3 Adverse effects of fatigue are described in terms of work capacity and safety.
Range evidence of four effects.
- 2.4 The fatigue management practices in place for the vessel are described.
- 2.5 The main dangers of entering confined spaces are stated and described.
Range evidence of two dangers.
- 2.6 The procedures for the control of entry to confined spaces are described.

Outcome 3

Demonstrate knowledge of procedures used to maintain the safety of crew, passengers, and the environment during cleaning and refuelling operations.

Performance criteria

- 3.1 The procedures on board the vessel for the handling, mixing, application, and storage of cleaning chemicals are described.
- 3.2 Personal protective equipment and warning signs for use during cleaning operations are identified and described.
- 3.3 The procedures to clean-up and report spillages on board and overboard are described.
- 3.4 The procedures for storage and disposal of garbage, sewage and cleaning waste are described.
- 3.5 The procedure for refuelling is described.

Planned review date	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	20 October 2016	31 December 2022
Review	2	24 September 2020	N/A

Consent and Moderation Requirements (CMR) reference	0013
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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 if you wish to suggest changes to the content of this unit standard.