

Title	Operate a vessel in accordance with the Maritime Collision Prevention Rules		
Level	4	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 license.</p> <p>People credited with this unit standard are able to: identify vessels lights, day shapes, and sound signals; and demonstrate and apply knowledge of the processes used to determine and reduce the risk of collision between vessels at sea</p>
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Classification	Maritime > Navigation and Seamanship
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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 References
Cockcroft, A.N. and Lameijer, J.N.F. *A Guide to the Collision Avoidance Rules*, 7th Edition. London: Butterworth-Heinemann, 2011.
Convention on the International Regulations for Preventing Collisions at Sea, 1972 (COLREGs). Available at <https://imo.org/>.
Maritime Rules Part 22 *Collision Prevention* and 23 *Operational Procedures and Training* (Appendix 3) and advisory circulars. Available at <http://www.maritimenz.govt.nz>.
- 3 Definitions
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 MTOP as well as any undocumented standard operating procedures for that vessel.
Vessel refers to any form of commercial or military watercraft; sometimes used in maritime circles interchangeably with the word *ship*.

- 4 Assessment information
- a Competency may be demonstrated using simulated scenarios.
 - b All activities and evidence must be in accordance with Maritime Rule 22 *Collision Prevention*, and vessel operating procedures.
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Outcomes and performance criteria

Outcome 1

Identify vessels lights, day shapes, and sound signals.

Performance criteria

- 1.1 The lights and day shapes for all classes of vessels are identified.
- 1.2 The fog signals required to be sounded by all classes of vessels are identified.

Outcome 2

Demonstrate and apply knowledge of the processes used to determine and reduce the risk of collision between vessels at sea.

Performance criteria

- 2.1 The responsibilities and actions required of vessels by Maritime Rule Part 22 are described.
 - Range conduct of vessels in sight of one another and in restricted visibility, responsibilities between interacting vessels of all types and the nature of the action to be taken.
- 2.2 A developing collision situation is recognised by the use of compass bearings, relative bearings, radar and visual reference.
 - Range by day, by night and in restricted visibility.
- 2.3 Vessel is manoeuvred in a way that reduces the risk of a collision occurring.
 - Range lookout, safe speed, narrow channels, traffic separation schemes, head-on, crossing and overtaking, action by the give way vessel and action by the stand-on vessel.
- 2.4 Manoeuvring sound signals are described and demonstrated.
- 2.5 Precautions to take to avoid collisions in restricted visibility are described.
 - Range safe speed, fog signals, lookout, use of radar, navigation lights, echo sounder, auto-pilot.

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	22 October 2010	31 December 2016
Review	2	15 October 2015	31 December 2022
Review	3	26 November 2020	N/A

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