Title	Evaluate damage and implement damage control repairs on a vessel
Level	4	Credits	10

Purpose	This unit standard is intended for people studying towards a qualification in vessel operation or crewing with the intention of applying for a Maritime New Zealand license.
	People credited with this unit standard are able to evaluate the extent and cause of damage on a vessel; and implement immediate damage control repairs on a vessel.

Classification	Maritime > Sea Survival and Sea Safety

Available grade	Achieved

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
     Maritime Rules and advisory circulars. Available at http://www.maritimenz.govt.nz.

3   Definitions
     Accepted industry practice refers to standardised practices and procedures accepted by the wider maritime industry as examples of best practice.
     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.

4   Damage control activities must be carried out under the control of the person in charge, with the aim of minimising the effect of the damage.

5   Damage to vessel may have been caused by collision with another vessel or a stationary object, storm, explosion, fire, rupture of fuel lines, leakage of combustible or corrosive agents, movement of cargo, structural fatigue, or the result of a number of the above factors acting in concert.

6   Damage to the vessel may have had the following effects: injuries, major and minor, to personnel and passengers; water leakage due to loss of structural integrity of the vessel; loss of power, mechanical and electrical; loss of operational effectiveness; and necessity to abandon the vessel.

7   Reports are given to supervisors and may be verbal or written using appropriate incident report forms, where available.

8   Assessment information
   a   The nature of this unit standard will result in reliance on off-job assessment of theory, and simulation for assessment.
   b   All activities and evidence must be in accordance with accepted industry practice, and vessel operating procedures.

Outcomes and performance criteria

Outcome 1

Evaluate the extent and cause of damage on a vessel.

Performance criteria

1.1   The damaged site is inspected.

1.2   The cause and extent of the damage to the vessel are identified.

1.3   The extent of injuries to personnel and passengers is established.

1.4   The outcomes of the inspection and assessment of damage are reported to the supervising officer in a clear and concise manner.

1.5   Damage is assessed with respect to the immediate safety of personnel and passengers, and the operational effectiveness and seaworthiness of the vessel.

Outcome 2

Implement immediate damage control repairs on a vessel.

Performance criteria

2.1   Resources are selected to effect immediate temporary solutions and minimise the damage to the vessel and its equipment, and all personnel on board in accordance with manufacturer's specifications.

2.2   Immediate repairs are implemented having regard to the availability of personnel, the skills available, and the availability of appropriate resources.

Planned review date	31 December 2025

Status information and last date for assessment for superseded versions

Process	Version	Date	Last Date for Assessment
Registration	1	21 May 1995	31 December 2015
Review	2	30 January 1997	31 December 2015
Revision	3	10 September 2004	31 December 2016
Review	4	15 October 2015	31 December 2022
Review	5	24 September 2020	N/A

Consent and Moderation Requirements (CMR) reference	0054

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.