

Title	Maintain and repair non-regulated marine inflatables		
Level	4	Credits	14

Purpose	People credited with this unit standard are able to: assess maintenance and repair requirements for non-regulated marine inflatables; carry out maintenance and repairs; and complete the maintenance and repair task.
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Classification	Boating Industries > Marine Sales and Services
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Available grade	Achieved
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Prerequisites	Unit 11775, <i>Join components for the production of marine inflatables</i> , or demonstrate equivalent knowledge and skills.
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Guidance Information

- 1 This unit standard does not cover inflatable liferafts (refer to Unit 11772, *Maintain and repair regulated marine inflatables*).
- 2 Definitions
Company procedures refers to the documented procedures for the machine and/or worksite.
Maintenance refers to the following operations as appropriate to the specific equipment: clean, check condition, check operation, replace consumables, adjust, waterproof, and lubricate.
Repair refers to rectify defects, and can include the replacement of parts and modification of the equipment.
- 3 Evidence of the elements of this unit standard must be presented across the following contexts:
marine inflatables – non-certified boats, marker buoys, oil booms, fenders.
Evidence is required for the maintenance and repair of non-certified boats, plus one other item from the range.
- 4 All work practices must meet recognised codes of practice and documented worksite health and safety procedures (where these exceed code) for personal, product, and worksite health and safety, and must meet the obligations required under the Health and Safety at Work Act 2015 and Resource Management Act 1991, and any subsequent amendments.

Outcomes and performance criteria

Outcome 1

Assess maintenance and repair requirements for non-regulated marine inflatables.

Performance criteria

- 1.1 Inspection of the item establishes all maintenance and repair actions required to achieve fitness for purpose.
- 1.2 Maintenance and repair requirements are matched with manufacturer's requirements.
- Range maintenance schedules, allowable type and amount of repair.
- 1.3 Comparison of repair requirements with company's capability establishes requirements for outwork.
- 1.4 Maintenance and repair requirements are quantified in terms of the materials and time required.
- Range material – strength and type (hyperlon, ploy vinyl chloride, neoprene, butyl rubber, polyurethane).
- 1.5 Comparison of predicted maintenance and repair cost with the value of the item establishes the cost-effectiveness of the proposed maintenance and/or repair.

Outcome 2

Carry out maintenance and repairs.

Performance criteria

- 2.1 Maintenance activities are carried out in accordance with manufacturer's instructions and company procedures.
- 2.2 Repair methods are selected and carried out in accordance with manufacturer's instructions and company procedures.
- Range selection of adhesive, material dimension, material shape, material orientation.
- 2.3 Repairs carried out restore items to operational fitness.
- 2.4 Maintenance and repairs are completed within agreed time-frames.

Outcome 3

Complete the maintenance and repair task.

Performance criteria

- 3.1 Equipment is tested to verify operational fitness in accordance with manufacturer's instructions and company procedures.
- 3.2 Equipment is prepared for use, storage, and transit in accordance with company procedures.
- Range sealing, packing, identification of shelf-life requirement.
- 3.3 Documentation is completed in accordance with manufacturer's requirements and company procedures.
- Range labels, work cards, release notes, log books, service certification.

Planned review date	31 December 2020
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Status information and last date for assessment for superseded versions

Process	Version	Date	Last Date for Assessment
Registration	1	27 August 1997	N/A
Revision	2	21 March 2001	N/A
Revision	3	16 April 2004	N/A
Rollover	4	20 March 2009	N/A
Rollover and Revision	5	31 May 2018	N/A

Consent and Moderation Requirements (CMR) reference	0136
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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 the NZ Marine and Composites ITO training@nzmarine.com if you wish to suggest changes to the content of this unit standard.