

Title	Dismantle, inspect, assemble and test complex marine system components		
Level	4	Credits	20

Purpose	People credited with this unit standard are able to: dismantle; inspect, and repair or replace; and assemble, and test complex marine system components.
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Classification	Boating Industries > Boatbuilding
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Available grade	Achieved
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Guidance Information

- 1 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, Resource Management Act 1991, and Hazardous Substances and New Organism Act 1996, and any subsequent amendments.
- 2 **Definitions**
Complex marine system components refer to complex items or parts of marine machinery or equipment. These items or parts may include but are not limited to: diaphragm valves, pumps, gearboxes, fans, couplings, hydraulic ramp, thrusters, or winches.
Job specifications refers to the standard requirements of the job being undertaken.
Workplace policies and procedures refers to the documented procedures and policies providing guidelines of the tasks and activities carried out in the workplace. This typically includes relevant health and safety requirements to eliminate hazard/risk in the workplace.
- 3 **Range**
 Evidence of least four complex components is required.

Outcomes and performance criteria

Outcome 1

Dismantle complex marine system components.

Performance criteria

- 1.1 Components are dismantled in accordance with workplace policies and procedures.

Outcome 2

Inspect, and repair or replace complex marine system components.

Performance criteria

- 2.1 Components are inspected to conform to manufacturer's specifications.
- 2.2 Faulty components are assessed for repair or replacement in accordance with workplace policies and procedures.
- 2.3 Faulty components are repaired or replaced in accordance with workplace policies and procedures.

Outcome 3

Assemble and test complex marine system components.

Performance criteria

- 3.1 Components are assembled in accordance with workplace policies and procedures.
- 3.2 Assembled components are tested, test results are documented, and remedial action is taken if required to ensure assembled components conform to manufacturer's and job specifications.

Planned review date	31 December 2022
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Status information and last date for assessment for superseded versions

Process	Version	Date	Last Date for Assessment
Registration	1	14 December 2017	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 Industry Training Organisation training@nzmarine.com if you wish to suggest changes to the content of this unit standard.