



Australian Government

MARC034 Maintain hull out of water

Release: 1

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Modification History

Release 1. New unit of competency. Licensing/regulatory information has been incorporated in accordance with Regulatory requirements. Assessment Requirements have been strengthened in accordance with Regulatory requirements.

Application

This unit involves the skills and knowledge required to carry out basic maintenance to vessel hull while it is out of water.

This unit applies to people working in the maritime industry in the capacity of:

- chief engineer on vessels with an inboard engine with propulsion power <1500 kW within the exclusive economic zone (EEZ) or
- second engineer on vessels with an inboard engine with propulsion power <3000 kW within the EEZ or
- chief or second engineer on vessels with an outboard engine with unlimited propulsion power within the EEZ or
- assistant under direct supervision of a chief engineer; and
- worker in the engine room on vessels <80 m long with propulsion power <3000 kW.

Licensing/Regulatory Information

Legislative and regulatory requirements are applicable to this unit. This unit is one of the requirements to obtain Australian Maritime Safety Authority (AMSA) certification as a Marine Engine Driver Grade 3 NC, Marine Engine Driver Grade 2 NC and Marine Engine Driver Grade 1 NC as defined in the National Standard for Commercial Vessels (NSCV) Part D. The AMSA mandated practical assessment (AMPA) is a requirement for AMSA certification as a Marine Engine Driver Grade 3 NC and Marine Engine Driver Grade 2 NC.

The Australian Maritime Safety Authority (AMSA) mandated practical assessment (AMPA) will cover a range, but not all, of the requirements identified in the Performance Evidence and Knowledge Evidence. The AMPA shall be undertaken in accordance with its instructions.

Assessors of AMPA must hold as a minimum:

- a current certificate of competency issued under Marine Safety (Domestic Commercial Vessel) National Law Act 2012 at the same level as the qualification being assessed with at least 12 months' relevant sea service, or
- a relevant seafarer certificate, as engineer, issued under the Navigation Act 2012.

Pre-requisite Unit

Not Applicable

Competency Field

C - Equipment Operations

Unit Sector

Not Applicable

Elements and Performance Criteria

ELEMENTS

Elements describe the essential outcomes.

1 Prepare for work

PERFORMANCE CRITERIA

Performance criteria describe the performance needed to demonstrate achievement of the element.

- 1.1** Planned maintenance program for hull type and construction material is accessed to determine hull maintenance requirements
- 1.2** Vessel is inspected and additional maintenance requirements are determined
- 1.3** Maintenance tasks are planned and sequenced in conjunction with others involved in or affected by maintenance work
- 1.4** Repair tools and equipment are selected and checked for serviceability
- 1.5** Work area is prepared

2 Carry out required maintenance and repairs to hull, equipment and fittings

- 2.1** Suitable personal protective equipment is selected and used according to work health and safety (WHS)/occupational health and safety (OHS) requirements
- 2.2** Permits for hot work, confined space entry and other high risk activities are completed according to organisational and regulatory requirements
- 2.3** Tasks are performed according to manufacturer specifications, maintenance yard requirements and organisational practices

3 Clean up and complete documentation

- 3.1** Work area is cleared and cleaned so it is in a serviceable condition

- 3.2** Materials are disposed of or recycled according to legislative and organisational requirements
- 3.3** Tools and equipment are cleaned, checked and stored according to organisational procedures
- 3.4** Maintenance report is completed according to workplace procedures

Foundation Skills

Foundation skills essential to performance are explicit in the performance criteria of this unit of competency.

Range of Conditions

Range is restricted to essential operating conditions and any other variables essential to the work environment.

Unit Mapping Information

This unit replaces and is equivalent to MARC002 Maintain hull out of water.

Links

Companion Volume implementation guides are found in VETNet -

<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=772efb7b-4cce-47fe-9bbd-ee3b1d1eb4c2>