



**Australian Government**

# **MARC002 Maintain hull out of water**

**Release: 1**

# MARC002 Maintain hull out of water

## Modification History

Release 1. New unit of competency.

## 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 engine workers in the maritime industry working as a Marine Engine Driver Grade 3 Near Coastal on vessels up to 500 kW or as a Marine Engine Driver Grade 2 Near Coastal on vessels up to 750 kW or as a Marine Engine Driver Grade 1 Near Coastal on vessels up to 1500 kW.

This unit has links to legislative and certification requirements.

## Pre-requisite Unit

Not applicable.

## Competency Field

C - Equipment Operations

## Unit Sector

Not applicable.

## Elements and Performance Criteria

Elements describe the essential outcomes.

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

### 1 Prepare for work

- 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

This section describes those language, literacy, numeracy and employment skills that are essential to performance.

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

## Range of Conditions

Specifies different work environments and conditions that may affect performance. Essential operating conditions that may be present (depending on the work situation, needs of the candidate, accessibility of the item, and local industry and regional contexts) are included.

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

- Maintenance tasks include one or more of the following:
- examining anchors and cables
  - inspecting and repairing:
    - hull fittings
    - stern drive and jet drive systems
    - watertight and weather tight hatches
  - inspecting and replacing anodes
  - withdrawing and examining:
    - propeller, shafts and seals
    - rudder, rudder stock and seals

## Unit Mapping Information

This is a new unit. This unit is equivalent to MARC2002A Maintain hull out of water.

## Links

to MAR Maritime Training Package Companion Volume Implementation Guide at: -  
[http://companion\\_volumes.vetnet.education.gov.au/Pages/TrainingPackage.aspx?pid=22](http://companion_volumes.vetnet.education.gov.au/Pages/TrainingPackage.aspx?pid=22)