



Australian Government

MARB033 Assist with routine maintenance of a vessel

Release: 1

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Modification History

Release 1. This is the first release of this unit of competency in the MAR Maritime Training Package.

Application

This unit involves the skills and knowledge required to carry out routine maintenance on a vessel less than 80 metres.

It includes selecting and setting up equipment and materials for cleaning, cleaning work area, following instructions to carry out routine maintenance of vessel machinery, preparing and painting surfaces, and maintaining and storing tools, equipment and chemicals

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

- assistant to the Master or Engineer of a vessel working under their direct supervision
- worker on deck or in the engine room of a vessel less than 80 metres in length within the exclusive economic zone (EEZ)
- worker in the engine room only for a vessel with propulsion power less than 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 General Purpose Hand Near Coastal as defined in the National Standard for Commercial Vessels (NSCV) Part D.

Pre-requisite Unit

Not applicable.

Competency Field

B – Equipment Checking and Maintenance

Unit Sector

Not applicable.

Elements and Performance Criteria

ELEMENTS

PERFORMANCE CRITERIA

Elements describe the essential outcomes.

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

1 Select and set up equipment and materials for cleaning

1.1 Equipment is selected according to type of cleaning to be undertaken

1.2 Equipment is checked to ensure it is clean and serviceable

1.3 Suitable dry and wet cleaning agents and chemicals are selected and prepared according to manufacturer instructions and work health and safety (WHS)/occupational health and safety (OHS) requirements

1.4 Suitable personal protective equipment (PPE) is selected and used, where necessary

2 Clean work area

2.1 Work area to be cleaned is prepared and hazards are identified

2.2 Work area is barricaded or warning signs are provided, as appropriate, to reduce risk to self and other crew members

2.3 Correct cleaning agents are selected and applied according to manufacturer instructions and WHS/OHS requirements

2.4 Equipment is used correctly and safely

3 Follow instructions to carry out routine maintenance of vessel machinery

3.1 Suitable PPE is selected and used according to WHS/OHS requirements

3.2 Greasing, lubrication and other routine servicing of vessel machinery and equipment is carried out according to supervisor and manufacturer instructions

3.3 Routine adjustments and repairs are made to vessel machinery and equipment according to supervisor and manufacturer instructions

- 3.4** Faulty vessel machinery and equipment is identified and reported according to workplace procedures
- 4 Prepare and paint surfaces**
 - 4.1** Suitable PPE is selected and used according to WHS/OHS requirements
 - 4.2** Surfaces are prepared using correct equipment
 - 4.3** Rust remover, rust converter and undercoats are applied according to manufacturer specifications
 - 4.4** Paints are mixed in correct proportions according to manufacturer specifications
 - 4.5** Finishing coat is applied using brush, roller or spray gun
- 5 Maintain and store tools, equipment and chemicals**
 - 5.1** Equipment and tools are cleaned, returned to operating order and stored according to supervisor and manufacturer instructions
 - 5.2** Environmental procedures are followed and waste from cleaning and maintenance tasks is collected, treated and disposed of or recycled according to workplace procedures
 - 5.3** Work area is cleaned and maintained according to workplace requirements
 - 5.4** Malfunctions, faults, wear or damage to tools are reported according to workplace procedures
 - 5.5** Chemicals are stored according to supervisor and manufacturer instructions

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 MARB001 Assist with routine maintenance of a vessel.

Links

Companion Volume implementation guide can be found in VetNet -
<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=772efb7b-4cce-47fe-9bbd-ee3b1d1eb4c2>