



Australian Government

MARB053 Assist with routine maintenance on a commercial vessel

Release: 1

MARB053 Assist with routine maintenance on a commercial vessel

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 commercial vessel.

It includes selecting and setting up equipment and materials, following instructions to carry out routine maintenance on vessel machinery, preparing and painting surfaces, and storing tools and equipment.

This unit applies to people working in the maritime industry under the direct supervision of the Master or Engineer of a commercial vessel in the capacity of a General Purpose Hand to:

- assist as a general hand on deck or in the engine room of a commercial vessel length as described in Marine Order 505 within the exclusive economic zone (EEZ)
- assist as a general hand in the engine room only for a vessel with propulsion power as described in Marine Order 505.

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 Prepare for routine maintenance

- 1.1** Routine maintenance tasks and appropriate equipment are identified, and work schedule is prepared in accordance with workplace procedures and the vessels Safety Management System (SMS) and supervisor instructions
- 1.2** Personal protective equipment (PPE), tools and equipment are selected correctly according to work health and safety (WHS)/occupational health and safety (OHS) requirements, supervisor and manufacturer instructions
- 1.3** Equipment is inspected prior to use to ensure it is in safe working condition according to workplace procedures and supervisor instructions
- 1.4** Portable and corded electrical appliances are inspected, tagged and any damaged or unserviceable equipment is reported according to workplace procedures and supervisor instructions
- 1.5** Cleaning agents and chemicals are selected and prepared according to manufacturer instructions, safety data sheets (SDS)/material safety data sheets (MSDS) and supervisor instructions

2 Prepare work area

- 2.1** Hazards are identified, and work area prepared according to workplace procedures and supervisor instructions
- 2.2** Work area is protected by barricades or warning signs, as appropriate, to reduce risk to self, crew members and others according to workplace procedures and supervisor instructions

3 Carry out routine maintenance on vessel

- 3.1** PPE, tools and equipment are used correctly according to WHS/OHS safety requirements, supervisor and manufacturer instructions
- 3.2** Routine maintenance and housekeeping are carried out using appropriate tools according to supervisor and manufacturer instructions

- 3.3** Damaged machinery and equipment are identified, tagged and reported according to workplace procedures and supervisor instructions
- 4 Use paints and chemicals**
 - 4.1** Appropriate PPE, tools and equipment are selected and used according to WHS/OHS safety requirements, supervisor and manufacturer instructions
 - 4.2** Surfaces are prepared using correct equipment according to supervisor and manufacturer instructions
 - 4.3** Paints and chemicals are mixed and applied using appropriate applicators according to manufacturer instructions and SDS/MSDS
- 5 Stow and maintain tools and equipment**
 - 5.1** Equipment and tools are cleaned, returned to operating condition and stowed securely according to WHS/OHS safety requirements, supervisor and manufacturer instructions
 - 5.2** Waste material from cleaning and maintenance tasks is collected, treated and disposed of or recycled according to workplace procedures and supervisor instructions
 - 5.3** Work area is cleaned and maintained according to workplace procedures and supervisor 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. Non-essential conditions may be found in the MAR training Package Companion Volume Implementation Guide.

Unit Mapping Information

This unit replaces and is equivalent to MARB033 Assist with routine maintenance of a vessel.

Links

Companion Volume Implementation Guides are found in VETNet -

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