



Australian Government

MARC030 Use and care for hand and power tools

Release: 1

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Modification History

Release 1. New unit of competency.

Application

This unit involves the skills and knowledge required to use and care for hand tools and air, battery and electric power tools, on board a range of vessel.

This unit applies to individuals working in the maritime industry as an Integrated Rating or Able Seafarer-Engine/Deck.

No licensing, legislative or certification requirements apply to this unit at the time of publication.

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 Select appropriate tools for work

PERFORMANCE CRITERIA

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

- 1.1 Work requirements are interpreted according to organisational procedures and manufacturer instructions
- 1.2 Appropriate hand and power tools are selected for required tasks
- 1.3 Selected hand and power tools are checked for serviceability
- 1.4 Defective tools are identified, reported and appropriate repair or replacement action is taken according to organisational

- procedures
- 1.5 Blunt or worn tools are identified and appropriate action is taken to replace, sharpen or rectify according to organisational procedures and manufacturer instructions
 - 1.6 Instructions for the use of tools are accessed and interpreted as required
- 2 Use hand and power tools**
- 2.1 Work area, work pieces and tools are prepared for required tasks according to organisational procedures
 - 2.2 Other personnel in work area are made aware of work being carried out as required by safety management procedures
 - 2.3 Work is marked out using appropriate marking out tools according to organisational procedures
 - 2.4 Hand and power tools are used as directed according to organisational procedures and manufacturer instructions
 - 2.5 Desired work outcomes are achieved to job specifications
- 3 Follow safety and hazard control procedures**
- 3.1 Required safety precautions, organisational procedures and regulations are followed when using hand and power tools
 - 3.2 Operational hazards are identified when using hand and power tools and action is taken to minimise or eliminate risk to self, other personnel, the vessel and the environment
- 4 Care for hand and power tools**
- 4.1 Tools are used for intended purpose according to manufacturer instructions and organisational procedures
 - 4.2 Tools are cleaned and stored after use according to manufacturer instructions and organisational procedures
 - 4.3 Tools are sharpened according to manufacturer instructions and organisational procedures, as required
 - 4.4 Tools are adjusted, tightened and/or lubricated according to manufacturer instructions and organisational procedures, as required
 - 4.5 Grinding wheels are dressed and made true according to manufacturer instructions and organisational procedures
 - 4.6 Defective or worn tools and tool components are identified, marked as required and reported, and appropriate repair or replacement action is taken according to organisational 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.

Non-essential conditions can be found in the Companion Volume Implementation Guide.

Unit Mapping Information

This unit replaces and is equivalent to TDMMR4707 Use and care for hand and power tools on a vessel.

Links

Companion Volume implementation guides are found in VETNet -

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