



Australian Government

MARC060 Use and care for hand and power tools

Release: 1

MARC060 Use and care for hand and power tools

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 use and care for hand tools and air, battery and electric power tools, onboard a range of vessel.

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

- Able Seafarer – Engine/Deck
- Integrated Rating.

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 an Able Seafarer - Engine/Deck or Integrated Rating and to meet regulatory requirements this unit must be delivered consistent with Marine Orders and with the relevant sections of the International Convention on Standards of Training, Certification and Watchkeeping for Seafarers (STCW).

Pre-requisite Unit

Not applicable.

Competency Field

C – Equipment Operations

Unit Sector

Not applicable.

Elements and Performance Criteria

ELEMENTS

Elements describe the essential outcomes.

PERFORMANCE CRITERIA

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

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| 1 Select appropriate tools for work | 1.1 | Work requirements are interpreted in accordance with workplace 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 in accordance with workplace procedures |
| | 1.4 | Defective tools are identified, reported and appropriate repair or replacement action is taken in accordance with workplace procedures |
| | 1.5 | Blunt or worn tools are identified and appropriate action is taken to replace, sharpen or rectify in accordance with workplace procedures and manufacturer instructions |
| | 1.6 | Instructions for the use of tools are accessed and interpreted, as required, in accordance with workplace procedures |
| 2 Use hand and power tools | 2.1 | Work area, work pieces and tools are prepared for required tasks in accordance with workplace 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 in accordance with workplace procedures |
| | 2.4 | Hand and power tools are used as directed in accordance with workplace procedures and manufacturer instructions |
| | 2.5 | Desired work outcomes are achieved to job specifications in accordance with workplace procedures |
| 3 Follow safety and hazard control procedures | 3.1 | Required safety precautions are followed when using hand and power tools in accordance with workplace procedures and regulations |
| | 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 in accordance with workplace |

procedures

- 4.2 Tools are cleaned and stored after use according to manufacturer instructions and in accordance with workplace procedures
- 4.3 Tools are sharpened according to manufacturer instructions and in accordance with workplace procedures
- 4.4 Tools are adjusted, tightened and/or lubricated according to manufacturer instructions in accordance with workplace procedures
- 4.5 Grinding wheels are dressed and made true according to manufacturer instructions and in accordance with workplace 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 in accordance with 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 MARC030 Use and care for hand and power tools.

Links

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