



Australian Government

MARC052 Operate deck machinery, cargo handling gear and equipment on a vessel

Release: 1

MARC052 Operate deck machinery, cargo handling gear and equipment on a 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 operate deck machinery and cargo handling gear and equipment on a vessel.

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

- Able Seafarer - Deck
- Integrated Rating

on a range of vessels.

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 - 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).
- Those regulatory requirements include STCW International Maritime Organization (IMO) model course competencies and areas of knowledge, understanding and proficiency, together with the estimated total hours required for lectures and practical exercises. Teaching staff should note that timings are suggestions only and should be adapted to suit individual groups of trainees depending on their experience, ability, equipment and staff available for training.

Pre-requisite Unit

Not applicable.

Competency Field

C – Equipment Operations

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 operations

- 1.1 Routine pre-operational checks of deck machinery or cargo handling gear and equipment are completed prior to use according to manufacturer specifications and workplace procedures
- 1.2 Properties of cargo being transported are identified and their impact on safety, the environment and vessel operations is established
- 1.3 Preparations for operations are made and lifting equipment is set up according to workplace procedures
- 1.4 Tools and equipment appropriate to work requirements are selected, checked for safety and set up for operation
- 1.5 Safety equipment appropriate to work requirements are made ready and confirmed to be in good condition
- 1.6 Methods of communication are established and agreed to
- 1.7 Equipment faults or malfunctions are identified and reported according to workplace procedures
- 1.8 Work health and safety (WHS)/occupational health and safety (OHS) hazards in work area are identified, and risks are assessed and reported according to workplace procedures

2 Undertake deck machinery, cargo handling gear and equipment operations

- 2.1 Suitable personal protective equipment (PPE) is selected and used according to workplace procedures
- 2.2 Hazard control procedures are identified and applied to ensure safe operation of deck machinery and cargo handling equipment

- 2.3 Deck machinery and cargo handling gear and equipment are operated in a safe and controlled manner
 - 2.4 Performance and efficiency of deck machinery and cargo handling gear and equipment operations is monitored
 - 2.5 Safe operational practices are used to anticipate and control hazards
 - 2.6 Adverse sea and weather conditions that impact on operation of deck machinery, cargo handling gear and equipment are identified, and operational practices are adjusted to maintain safety of vessel and personnel
 - 2.7 Measures to prevent pollution during normal and emergency situations are applied according to regulatory requirements and workplace procedures
 - 2.8 Spill containment procedures are correctly implemented according to regulatory requirements and workplace procedures
- 3 Complete operations**
- 3.1 Shutdown procedures are conducted according to manufacturer instructions and workplace procedures
 - 3.2 Malfunctions, faults, irregular performance or damage to deck machinery and cargo handling gear and equipment are reported according to workplace procedures
 - 3.3 Deck machinery and cargo handling gear and equipment are maintained and secured according to workplace procedures
 - 3.4 Operational records are completed according to 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 MARC028 Operate deck machinery, cargo handling gear and equipment on 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>