



Australian Government

MARC051 Operate deck machinery and steering gear on a vessel up to 80 metres

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 operate steering gear and deck machinery on a vessel less than 80 metres.

It includes preparing for operation, operating steering gear and deck machinery, and completing operations.

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

- Master of a commercial vessel less than 35 metres in length within the exclusive economic zone (EEZ)
- Master of a vessel less than 80 metres in length in inshore waters
- Chief Mate or Deck Watchkeeper on a vessel less than 80 metres in length within the EEZ.

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 Master of a commercial vessel less than 80 metres in length as defined in the National Standard for Commercial Vessels (NSCV) Part D.

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.

1 Prepare for operation

- 1.1** Routine pre-operational checks of steering gear or deck machinery are completed prior to use according to manufacturer specifications and organisational procedures
- 1.2** Equipment is set up in accordance with organisational procedures
- 1.3** Tools and equipment appropriate to work requirements are selected, checked for safety and set up for operation
- 1.4** Equipment faults or malfunctions are identified and reported according to organisational procedures
- 1.5** Work health and safety (WHS)/occupational health and safety (OHS) hazards in the work area are identified, and risks are assessed and reported according to organisational procedures

2 Operate steering gear and deck machinery

- 2.1** Suitable personal protective equipment (PPE) is selected and used according to organisational procedures
- 2.2** Steering gear and deck machinery are operated in a safe and controlled manner
- 2.3** Performance and efficiency of steering gear and deck machinery operations is monitored
- 2.4** Safe operational practices are used to anticipate and control hazards
- 2.5** Adverse sea and weather conditions which may impact on the operation of steering gear and deck machinery are identified and operational practices are adjusted to maintain safety of vessel and personnel

3 Complete operations

- 3.1** Shutdown procedures are conducted according to manufacturer instructions and organisational procedures
- 3.2** Malfunctions, faults, irregular performance or damage to steering gear and deck machinery are reported according to organisational procedures

- 3.3 Steering gear and deck machinery are cleaned and secured according to organisational procedures
- 3.4 Operational records are completed 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.

Unit Mapping Information

This unit replaces and is equivalent to MARC014 Operate deck machinery and steering gear on a vessel up to 80 metres.

Links

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