



Australian Government

MARC014 Operate deck machinery and steering gear on a vessel up to 80 metres

Release: 1

MARC014 Operate deck machinery and steering gear on a vessel up to 80 metres

Modification History

Release 1. New unit of competency.

Application

This unit involves the skills and knowledge required to operate steering gear and deck machinery on a vessel up to 80 metres.

This unit applies to people working in the maritime industry on a range of vessels up to 80 metres.

This unit has links to legislative and certification requirements.

Pre-requisite Unit

Not applicable.

Competency Field

C – Equipment Operations

Unit Sector

Not applicable.

Elements and Performance Criteria

Elements describe the essential outcomes.

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
- 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 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 Shut-down 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 is cleaned and secured according to organisational procedures
- 3.4 Operational records are completed according to organisational procedures

Foundation Skills

This section describes those language, literacy, numeracy and employment skills that are essential to performance.

Foundation skills essential to performance are explicit in the performance criteria of this unit of competency.

Range of Conditions

Specifies different work environments and conditions that may affect performance. Essential

operating conditions that may be present (depending on the work situation, needs of the candidate, accessibility of the item, and local industry and regional contexts) are included.

Range is restricted to essential operating conditions and any other variables essential to the work environment.

Steering gear or deck machinery includes one or more of the following:

- basic hydraulic systems
- cranes
- emergency steering gear
- fishing gear
- steering gear
- winches and capstans
- windlass

Unit Mapping Information

This is a new unit. This unit is equivalent to MARC4004A Operate deck machinery and steering gear on a vessel up to 80 metres.

Links

Companion Volume implementation guides are found in VETNet -

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