



Australian Government

MARC057 Perform dogging on board a vessel

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 apply slinging techniques select and inspect lifting gear and/or direct crane/operator in moving a load.

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

- Able Seafarer - Engine/Deck or Integrated Rating who apply safe work practices when undertaking basic dogging on a range of vessels
- Navigational Watch - Deck/Engine.

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, Integrated Rating or Navigational Watch - Deck/Engine 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

PERFORMANCE CRITERIA

Elements describe the essential outcomes.

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

1 Plan job

- 1.1** Relevant site information is obtained for related task in accordance with workplace procedures
- 1.2** Sea conditions and use of tag lines are assessed in accordance with workplace procedures
- 1.3** Hazards and potential hazards associated with slinging and directing loads are identified in accordance with workplace procedures
- 1.4** Hazard control measures consistent with appropriate standards are identified to ensure safety of personnel and equipment in accordance with workplace procedures
- 1.5** Weight, dimensions and load centre of gravity (CG) are identified and assessed
- 1.6** Suitable lifting/slinging points on load are established
- 1.7** Appropriate lifting equipment needs are assessed, including rig/vessel crane limitations, in accordance with workplace procedures
- 1.8** Appropriate communication methods are established in consultation with crane/operators and other appropriate personnel
- 1.9** Manufacturer specifications/information is obtained for special loads, as required

2 Select and inspect equipment

- 2.1** Lifting equipment appropriate to task is selected and inspected for serviceability in accordance with workplace procedures
- 2.2** Damaged or excessively worn lifting equipment is identified, labelled and isolated in accordance with workplace procedures
- 2.3** Appropriate communication equipment is selected and serviceability checked
- 2.4** Appropriate personal protective equipment (PPE) is selected and checked

3 Prepare site and equipment

- 3.1** Hazard prevention/control measures are applied consistent with appropriate standards to ensure safety of personnel and equipment in accordance with workplace

procedures

3.2 Clear communications and roles of deck crew are established when working cargo with a rig crane or another vessel in accordance with workplace procedures

3.3 Appropriate slinging method is selected

3.4 Lifting equipment is prepared and assembled, as required

3.5 Load landing destination is prepared

4 Perform tasks

4.1 Knots, hitches and bends using fibre and synthetic ropes are correctly made and used in course of deck operations

4.2 Lifting equipment is attached and secured to lifting hook using appropriate techniques

4.3 Lifting hook is positioned over load CG

4.4 Lifting equipment is attached and secured to load in an appropriate manner

4.5 Tag line is attached and secured, as required

4.6 Test lift is conducted to ensure load security

4.7 Load is moved, and stability and control are maintained at all times

4.8 Appropriate communication methods and communication signals are applied to safely coordinate load movement within sight and out-of-sight of ship's crane operator

4.9 Loads are correctly rigged using appropriate ropes and rigging gear in accordance with workplace procedures

4.10 Load is landed to ensure it is stable and secure from movement, is in position to be lashed with appropriate consideration given to effects of vessel's motion on stowed cargo when lashing cargo

5 Shut down job, clean up and maintain equipment

5.1 Lifting equipment is removed or disconnected from load and prepared for next task or storage

5.2 Defective equipment is isolated and tagged in accordance with workplace procedures

- 5.3 Lifting equipment is stored in accordance with workplace procedures
- 5.4 Hazard prevention/control measures are removed, as required, in accordance with workplace procedures
- 5.5 Excess materials from work area are removed, as required, in accordance with workplace procedures
- 5.6 Defects are reported and recorded in accordance with workplace procedures, and appropriate action is taken
- 5.7 Rope, wire and cables are stowed and maintained in accordance with workplace procedures and manufacturer instructions

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 MARC032 Perform dogging on board 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>