



Australian Government

MARC056 Operate roll-on and roll-off machinery and equipment on board a vessel

Release: 1

MARC056 Operate roll-on and roll-off machinery and equipment on board 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 equipment and machinery used to open, close and secure hull openings and maintain a safe ventilation of roll-on and roll-off (ro-ro) ventilation systems during voyages.

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

- operating ro-ro machinery and equipment.

Licensing/Regulatory Information

There are currently no legislative and licensing requirements applicable to this unit.

Pre-requisite Unit

Not applicable.

Competency Field

C – Equipment Operations

Unit Sector

Not applicable.

Elements and Performance Criteria

ELEMENTS

Elements describe the essential outcomes.

1 Prepare for ro-ro operations

PERFORMANCE CRITERIA

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

1.1 Routine pre-operational checks of ro-ro equipment and machinery are completed according to workplace procedures and manufacturer instructions

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| | 1.2 | Methods of communication are established and agreed to |
| | 1.3 | Faults or malfunctions are identified and reported according to workplace procedures |
| | 1.4 | 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 ro-ro 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 | Ro-ro equipment, machinery and cargo handling gear are operated in a safe and controlled manner |
| | 2.4 | Bow, stern and side doors are opened, closed and secured in accordance with workplace procedures |
| | 2.5 | Ramps are operated in accordance with workplace procedures |
| | 2.6 | Surveys are conducted to ensure proper sealing in accordance with workplace procedures |
| | 2.7 | Atmosphere in ro-ro spaces is monitored in accordance with workplace procedures |
| | 2.8 | Ventilation of ro-ro spaces are maintained at recommended safe limits, throughout the voyage in accordance with workplace procedures |
| | 2.9 | Performance and efficiency of ro-ro machinery, equipment and operations are monitored |
| | 2.10 | Safe operational practices are used to anticipate and control hazards |
| | 2.11 | Adverse sea and weather conditions that impact on operation of ro-ro machinery and equipment are monitored and safe work practices are implemented to maintain safety of vessel and personnel |
| | 2.12 | Measures to prevent pollution during normal and emergency situations are applied according to regulatory |

requirements and workplace procedures

3 Complete operations

- 3.1** Shutdown of machinery and equipment is conducted according to manufacturer instructions and workplace procedures
- 3.2** Malfunctions, faults, irregular performance or damage to ro-ro machinery and cargo handling gear and equipment are reported according to workplace procedures
- 3.3** Ro-ro equipment, 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 is a new unit. No equivalent unit

Links

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