



Australian Government

MARC048 Monitor and manage vessel operations

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 plan and oversee activities associated with the regulatory and operational requirements for the continued performance and safety of a coastal vessel.

It includes developing operational strategies and procedures, supervising crew compliance with regulatory requirements, planning resources for vessel operations, planning vessel operations logistics and evaluating operational processes.

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

PERFORMANCE CRITERIA

Elements describe the essential outcomes.

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

1 Develop operational strategies and procedures

1.1 Action plan is developed to provide a clear and coherent direction according to organisational goals and objectives

1.2 Work health and safety (WHS)/occupational health and safety (OHS) and environmental issues are identified, and strategies are implemented to minimise risk factors

1.3 Quality system is developed for vessel in line with industry standards, compliance and organisational requirements

1.4 Performance measures and operational targets are developed to conform with business plan

1.5 Procedures are established and implemented according to organisational and legislative requirements

1.6 Procedures are communicated to crew members

2 Supervise crew compliance with regulatory requirements

2.1 Regulatory body requirements are correctly interpreted and applied

2.2 Instructions for crew members are developed and implemented

2.3 Crew members are briefed

2.4 Liaison with regulatory body officials is undertaken

3 Plan resources for vessel operations

3.1 Vessel resource and equipment requirements are investigated and documented

3.2 Resource needs are prioritised and matched to vessel budget, and priorities are confirmed after consultation with crew members

3.3 Procurement plan with prioritised purchasing is devised and resources are procured accordingly

4 Plan vessel operations logistics

4.1 Operational work plans are developed

- 4.2 Operations are checked to ensure optimum use of human and physical resources
 - 4.3 Tasks are implemented according to plans and specifications
 - 4.4 Operational plans are implemented and crew members are briefed as to roles and responsibilities
 - 4.5 Operational plans are documented and amended according to procedures and crew expectations
 - 4.6 Proposed variations are investigated and negotiated in consultation with crew members
- 5 Evaluate operational processes**
- 5.1 Operational progress is closely monitored against required quality of work and adherence to both budget and time schedule
 - 5.2 Opportunities for preventative or corrective changes are identified using outcomes of monitoring activities and feedback from crew members
 - 5.3 Preventative and/or corrective action is recommended and implemented
 - 5.4 Changes are communicated to appropriate persons in a logical and easily understood manner
 - 5.5 Changes are monitored to confirm improvement in crew efficiency

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 MARC012 Monitor and manage vessel operations.

Links

Companion Volume implementation guide can be found in VetNet -

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