



Australian Government

Assessment Requirements for 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.

Performance Evidence

Evidence required to demonstrate competence in this unit must be relevant to and satisfy all of the requirements of the elements and performance criteria on at least one occasion and include:

- collecting, organising and understanding information related to vessel resource and logistic requirements
- communicating ideas and information to enable input from crew and understanding by crew of plans developed
- completing a review of, and updating the process for, vessel operations
- developing effective action plan that have regard to:
 - cargo plan
 - dry-docking and slipping operations
 - planned maintenance system
 - safety management plan
 - voyage planning
- developing operational targets, including:
 - completion of survey and docking operations and routine maintenance
 - key performance indicators (KPIs)
 - optimal fuel usage
 - passage planning to achieve safe and efficient routing
- liaising with other crew members on a range of operational issues and challenges
- monitoring and responding to compliance issues and measuring progress against agreed objectives
- planning and organising activities, including consulting with crew to determine resource and logistics requirements, and developing, implementing and reviewing operational plans
- undertaking a job safety analysis (JSA) for working in areas of high risk
- using information gathering techniques to determine crew requirements and developing strategies to address these.

Knowledge Evidence

Evidence required to demonstrate competence in this unit must be relevant to and satisfy all of the requirements of the elements and performance criteria and include knowledge of:

- analytical tools
- decision-making models and techniques
- budgets and estimation of material requirements
- information gathering strategies
- logistics and procurement management techniques
- operational plan development, including:
 - docking and repair plans
 - managing confined space entry
 - passage planning
 - periodic survey requirements
- resource availability
- work health and safety (WHS)/occupational health and safety (OHS) and environmental issues.

Assessment Conditions

Assessors must satisfy applicable regulatory requirements, which include requirements in the Standards for Registered Training Organisations current at the time of assessment.

As a minimum, assessment must satisfy applicable regulatory requirements, which include requirements in the Standards for Registered Training Organisations current at the time of assessment.

Assessment processes and techniques must be appropriate to the language, literacy and numeracy requirements of the work being performed and the needs of the candidate.

Practical assessment must occur in a workplace, or realistic simulated workplace, under the normal range of workplace conditions.

Simulations and scenarios may be used where situations cannot be provided in the workplace or may occur only rarely, in particular for situations relating to emergency procedures and adverse weather conditions where assessment would be unsafe, impractical or may lead to environmental damage.

Resources for assessment must include access to:

- applicable documentation, such as legislation, regulations, codes of practice, workplace procedures and operational manuals
- tools, equipment, materials, personnel and personal protective equipment (PPE) that replicate and are currently used in industry.

Links

Companion Volume implementation guide can be found in VetNet -

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