



Australian Government

Assessment Requirements for MARJ007 Monitor environmental management on a vessel

Release: 1

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Modification History

Release 1. New unit of competency. Licensing/regulatory information has been incorporated in accordance with Regulatory requirements. Assessment Requirements have been strengthened in accordance with Regulatory requirements.

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:

- communicating information about environmental management to crew
- conducting a risk assessment for environmental issues and hazards on a vessel and making recommendations to mitigate the risk/s identified
- ensuring that appropriate and timely action is taken in response to emergencies
- ensuring that environmental records and documentation are accurate, complete and timely, according to organisational and regulatory requirements
- ensuring that housekeeping standards are maintained, including:
 - pollution control and equipment
 - waste minimisation and control
- identifying typical pollution control problems and taking appropriate action
- implementing preventative and remedial anti-pollution procedures according to organisational and regulatory requirements
- participating in consultation processes to improve environmental management in the organisation
- implementing recommendations arising from risk assessments
- supporting others to follow environmental management procedures.

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:

- documentation system and procedures
- effects on marine environment of various possible pollution incidents
- environmental control measures, including:
 - ballast water management
 - bilge pumping
 - cofferdams around fuel vents and manifolds

- controlling emissions of gas and smoke
- coping with increased volume of garbage, bilge water, sludge and sewage
- loss of vessel
- oil spill containment equipment
- preventing cargo spillage or loss
- preventing fuel and oil spillage
- preventing sewage discharge
- signage
- sound operational procedures
- special management areas/environmentally sensitive sea areas
- stowage and management of explosive and flammable materials
- waste management - collection, treatment, recycling or disposal
- environmental hazards associated with work activities on a vessel, including:
 - anchoring
 - harm to marine life
 - noise
 - oil pollution
 - polluting emissions of gas and smoke
 - poorly maintained equipment and machinery resulting in pollution
 - spillages of cargo
 - waste pollution
- investigations of non-compliance and risk assessment processes
- legal responsibilities as determined by relevant legislation, codes of practice, policies and procedures to protect the marine environment
- maintaining compliance with legislation for protection of the marine environment
- operational requirements of water, bilge, waste, pollution and recycling management processes used on various types and sizes of vessels
- own responsibilities for preventing pollution of the marine environment
- policies and procedures to support environmental management
- pollution control problems and related measures to protect the marine environment
- principles of environmental management
- principles of risk management
- providing access to and maintaining current environmental management information for the crew
- requirements for fishing, anchoring and other activities in environmentally sensitive areas
- requirements under Australian and or international legislation and conventions for reporting incidents related to breaches of the statutory codes and measures for the protection of the marine environment
- responsibilities of self and employer to manage environmental issues
- responsible resource utilisation on the vessel, consistent with organisational policies
- ways of communicating information about environmental management to crew, including:

- environmental management policies and procedures
- environmental obligations and regulatory requirements
- identified environmental hazards
- outcomes of risk assessments
- outcomes of risk control procedures
- work health and safety (WHS)/occupational health and safety (OHS) requirements and work practices.

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, safety management system (SMS), workplace procedures and operational manuals, including International Convention for the Prevention of Pollution from Ships (MARPOL)
- tools, equipment, machinery, materials and relevant personal protective equipment (PPE) currently used in industry, including bilge systems and spill prevention equipment.

Links

Companion Volume implementation guides are found in VETNet -

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