Australian Government

MARJ002 Monitor environmental management on a vessel

Release: 2

INDUSTRY
SKILLS
COUNCILS
Creating Australia's Future

MARJ002 Monitor environmental management on a vessel

Modification History

Release 1. New unit of competency.
Release 2. Additional job role included in Application.

Application

This unit involves the skills and knowledge required to monitor the implementation of environmental management policies and procedures on a vessel up to 80 metres to ensure compliance with marine regulations and environmental considerations.

This unit applies to people working in the maritime industry on a range of vessels up to 80 metres as a:

- Master Inland Waters
- Master up to 24 metres Near Coastal
- Master up to 35 metres Near Coastal
- Marine Engine Driver Grade 1

This unit has links to legislative and certification requirements.

Pre-requisite Unit

Not applicable.

Competency Field

J - Environment

Unit Sector

Not applicable.

Elements and Performance Criteria

Elements describe the essential outcomes.	Performance criteria describe the performance needed to demonstrate achievement of the element.	
1 Ensure crew are able to implement environmental work practices	1.1	Information on environmental management policies and procedures is accessible and communicated to crew
	1.2	Information about identified environmental hazards and outcomes of risk assessments and risk control procedures are

			accessed and communicated to crew
		1.3	Crew are informed of environmental hazards and risk control measures relating to their work responsibilities
		1.4	Mentoring and coaching are provided to support individuals/crew to implement procedures to support environmental management
		1.5	Crew is supported to implement relevant principles to meet environmental obligations and regulatory requirements
		1.6	Crew is consulted and environmental issues relevant to their work role are identified and promptly resolved or referred to appropriate personnel
2	**Monitor observance of environmental management procedures**	2.1	Procedures for environmental management on the vessel are clearly defined and followed
		2.2	Deviations from environmental management procedures are identified and addressed
		2.3	Personal behaviour is monitored to ensure it is consistent with environmental management procedures
		2.4	Housekeeping standards on the vessel are maintained
		2.5	Breaches of environmental protection requirements are documented according to organisational procedures and regulatory requirements
3	**Implement emergency procedures to respond to hazardous events**	3.1	Procedures for dealing with hazardous events are promptly implemented as required
		3.2	Hazardous events are investigated to identify cause
		3.3	Control measures to prevent recurrence and to minimise risks of hazardous events to the marine environment are implemented
		3.4	Emergency is reported in accordance with organisational procedures and regulatory requirements
4	**Maintain and improve vessel environmental management**	4.1	Risk assessments are conducted and appropriate control measures are identified and implemented according to organisational procedures
		4.2	Appropriate records and log book entries are made to assist the review of managing environmental protection measures

4.3   Potential hazards are identified, assessed and removed or reported according to organisational procedures

4.4   Recommendations arising from risk assessments are implemented within level of responsibility

4.5   Inadequacies in control measures are identified and reported according to organisational procedures

4.6   Opportunities for improving environmental performance are identified and raised with appropriate personnel

Foundation Skills

This section describes those language, literacy, numeracy and employment skills that are essential to performance.

Foundation skills essential to performance are explicit in the performance criteria of this unit of competency.

Range of Conditions

Specifies different work environments and conditions that may affect performance. Essential operating conditions that may be present (depending on the work situation, needs of the candidate, accessibility of the item, and local industry and regional contexts) are included.

Range is restricted to essential operating conditions and any other variables essential to the work environment.

Environmental management policies and procedures must include:	• ballast water control • bilge pumping • disposal of garbage • disposal of waste oil • loss of cargo • loss of vessel • refuelling • sewage control • stowage and management of explosive and flammable material • transfer of fuel

Transport & Logistics Industry Skills Council

Environmental hazards include one or more of the following:	- anchoring - harm to marine life - noise - oil pollution - polluting emissions of gas and smoke - spillages of cargo - spillages of fuel - waste pollution
Relevant principles include one or more of the following:	- ballast water management - preventing oil pollution - sewage discharge - stowage and management of explosive and flammable materials - waste collection, treatment, recycling or disposal
Housekeeping standards include one or more of the following:	- pollution control and equipment - waste minimisation and control
Hazardous events include one or more of the following:	- anchoring in a prohibited sensitive area - garbage discharge - polluting emissions of gas and smoke - poorly maintained equipment and machinery resulting in pollution - sewage discharge - spillages of cargo - waste and debris spillage from oil and fuel containers
Control measures include one or more of the following:	- cofferdams around fuel vents and manifolds - oil spill absorbent material - oil spill containment equipment - oily water separators, if fitted - sound operational procedures

     Transport & Logistics Industry Skills Council

Unit Mapping Information

This is a new unit. This unit is equivalent to MARJ3001A Monitor environmental management on a vessel.

Links

MAR Maritime Training Package Companion Volume Implementation Guide at: - http://companion_volumes.vetnet.education.gov.au/Pages/TrainingPackage.aspx?pid=22