Australian Government

MARJ001 Follow environmental work practices

Release: 2

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Modification History

Release 2. ISC Upgrade. Awareness of MARPOL and types of waste compactors and crushers suitable for use on board a vessel included in KE. Safety and hazard control procedures included in PE.
Release 1. New unit of competency.

Application

This unit involves the skills and knowledge required to be aware of environmental issues and to apply organisational policies and procedures to minimise environmental threats.

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

- Coxswain Grade 1 Near Coastal
- Coxswain Grade 2 Near Coastal
- Marine Engine Driver Grade 1 Near Coastal
- Marine Engine Driver Grade 2 Near Coastal
- Marine Engine Driver Grade 3 Near Coastal
- Integrated Rating
- Chief Integrated Rating.

These people could be working independently or as part of a vessel crew.
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 Implement environmental work practices	1.1 Workplace practices and work instructions relating to potential environmental impacts are implemented
	1.2 Relevant legislation, codes of practice and standards that impact on environmental work practices are recognised and followed
	1.3 Environmental protection measures are implemented
	1.4 Containment procedures are applied according to workplace procedures where appropriate
	1.5 Approved waste management procedures and practices are implemented
	1.6 Signs or symptoms of a potential environmental threat are recognised and reported to appropriate personnel/authorities
2 Contribute to improved environmental work practices	2.1 Information is gathered and suggestions are made to appropriate personnel for improvements to work practices
	2.2 Environmental issues and their relationship to work practices are discussed with colleagues and appropriate personnel
	2.3 Contributions to the review of environmental work practices and policies are made within limits of own responsibility
3 Maintain environmental records	3.1 Environmental records are accurately prepared according to workplace procedures
	3.2 Environmental records are stored securely

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.

Workplace practices and work instructions must include:	- avoiding or minimising environmental risks - documented policies and procedures - emergency procedures - environmental data recording and reporting procedures - environmental hazard and risk identification - environmental management system - environmental monitoring - hazard and incident reporting and recording procedures - improving environmental performance - signs and labels - waste minimisation and segregation - work plans
Relevant legislation, codes of practice and standards include one or more of the following:	- commonwealth, state and territory legislation - International Convention for the Prevention of Pollution from Ships (MARPOL) - local government by-laws and regulations - third party standards such as the ISO1400 series and those of the Marine Stewardship Council
Protection measures include one or more of the following:	- controlling emissions of gas and smoke - managing waste - observing restricted fishing areas - preventing cargo spillage - preventing fuel and oil spillage - proper use of refrigerant gases - using appropriate signage

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Potential environmental threats include one or more of the following:	• anchoring • antifouling paint • garbage • harm to marine life • noise • poorly maintained equipment and machinery • sewage • wash from propellers • waste and debris for example from oil and fuel containers
Suggestions include one or more of the following:	• improving energy efficiency • increasing the use of renewable, recyclable, re-usable and recoverable resources • maximising opportunities such as the use of solar or alternative forms of energy • preventing and minimising risks • reducing emissions of greenhouse gas • using alternative technology to limit growth

Unit Mapping Information

This is a new unit. This unit is equivalent to MARJ2001A Follow environmental work practices.

Links

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