



Australian Government

Department of Education, Employment and Workplace Relations

TDMMU107B MONITOR COMPLIANCE WITH LEGISLATIVE REQUIREMENTS AND MEASURES TO ENSURE PROTECTION OF THE ENVIRONMENT

Release: 1

TDMMU107B MONITOR COMPLIANCE WITH LEGISLATIVE REQUIREMENTS AND MEASURES TO ENSURE PROTECTION OF THE ENVIRONMENT

Modification History

Not applicable.

Unit Descriptor

UNIT DESCRIPTOR:

This unit involves the skills and knowledge required to monitor compliance with international and Australian legislative requirements and measures to ensure the protection of the marine environment, including coordination of preventative and precautionary procedures, observing compliance, remedying non-compliance and maintaining relevant certification.

Application of the Unit

Application of the unit	The unit covers requirements for the monitoring of compliance with legislative requirements and measures to ensure protection of the environment on an ocean-going commercial vessel and has applications in qualifications for Master 3, Master (Less than 500 GT) and Master (Unlimited), i.e. Diploma Transport&Distribution(Coastal Maritime Operations - Master Class 3), Diploma Transport&Distribution(Maritime Operations - Deck Watchkeeper) and Advanced Diploma of Transport&Distribution(Maritime Operations - Master Unlimited) and Chief Engineers, i.e. Advanced Diploma of Transport&Distribution(Marine Engineering Class 1), Advanced Diploma of Transport&Distribution(Marine Engineering Class 2) and Diploma of Transport&Distribution(Coastal Marine Engineering - Engineer Class 3)
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Licensing/Regulatory Information

Licensing/legislative requirements	The unit is consistent with the relevant maritime regulations for monitoring of compliance with legislative requirements and measures to ensure protection of the environment on an ocean-going commercial vessel. This includes applicable sections of STCW 95 and AMSA certification and regulatory requirements under Marine Orders Part 3, Seagoing Qualifications, Issue 6.
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Pre-Requisites

Not applicable.

Employability Skills Information

Not applicable.

Elements and Performance Criteria Pre-Content

<i>Elements describe the essential outcomes of a unit of competency.</i>	<i>Performance Criteria describe the required performance needed to demonstrate achievement of the element. Assessment of performance is to be consistent with the Evidence Guide.</i>
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Elements and Performance Criteria

ELEMENT	PERFORMANCE CRITERIA
1 Manage compliance with legislative requirements for protection of the marine environment	<ul style="list-style-type: none"> a Relevant legislative and company requirements for the protection of the marine environment are identified for the size and type of vessel concerned b Appropriate measures are established and applied to prevent pollution of the marine environment in accordance with regulations and procedures c Officers and crew are provided with necessary information and training to ensure compliance with regulations and procedures for the protection of the marine environment d Compliance with legislative regulations and company

ELEMENT	PERFORMANCE CRITERIA
	procedures for the protection of the marine environment is monitored, and required action is taken where incidences of non-compliance are identified

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ELEMENT	PERFORMANCE CRITERIA
<p>1 Manage compliance with legislative requirements for protection of the marine environment (continued)</p>	<p>e Any breach of regulations and procedures concerning protection of the marine environment and associated action taken in accordance with regulatory requirements and procedures are reported as required</p>
<p>2 Manage the validity of certification of shipboard items and equipment</p>	<p>a Where relevant, the currency and validity of certificates and other documents required by Australian and/or international legislation and conventions for the protection of the marine environment are monitored and appropriate plans for their renewal and extension are developed and implemented</p> <p>b Where relevant, the condition and operation of surveyed items and equipment are checked and appropriate action is taken to ensure continued validity of all certification relevant to the protection of the marine environment</p>
<p>3 Maintain documentation required by regulations for the protection of the marine environment</p>	<p>a Requirements for reports and other documentation related to the protection of the marine environment and any breaches of Australian and international regulations and codes are identified and interpreted</p> <p>b All required documentation related to the protection of the marine environment and any breaches of Australian and/or international regulations and codes is completed in</p>

ELEMENT

PERFORMANCE CRITERIA

accordance with regulations and company requirements

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Required Skills and Knowledge

REQUIRED KNOWLEDGE

This describes the knowledge required for this unit.

- 1 Relevant legislation and policies to protect the marine environment
- 2 Effects on the marine environment of various possible pollution incidents
- 3 Typical pollution control problems and related measures to protect the marine environment
- 4 Certificates and other documents required by relevant Australian and/or international legislation and conventions for the protection of the marine environment
- 5 Marine pests, the ways vessels can inadvertently assist their spread and preventative measures and procedures to control them
- 6 Maritime communication techniques and processes for maintaining currency and validity of surveyed items and equipment
- 7 Features and operational characteristics of emission control equipment typically used on vessels
- 8 Operational requirements of water, bilge, waste, pollution and recycling management processes on vessels as appropriate
- 9 Regulations for reporting incidents related to breaches of the statutory codes and measures for the protection of the marine environment

REQUIRED KNOWLEDGE

REQUIRED SKILLS

This describes the basic skills required for this unit.

- 1 Read and interpret instructions, procedures and information relevant to legislative requirements and measures to ensure the protection of the environment during vessel operations
- 2 Select and use appropriate communications equipment during environmental protection operations
- 3 Lead the crew on matters relevant to the protection of the environment during vessel operations
- 4 Take appropriate initiatives related to the protection of the environment during vessel operations
- 5 Interpret and apply practices and regulations for pollution control on a vessel
- 6 Communicate effectively with others on matters related to the protection of the environment during vessel operations
- 7 Modify activities dependent on differing workplace contingencies, risk situations and environments
- 8 Identify and solve problems associated with the protection of the environment during vessel operations and report pollution and environmental issues and take appropriate action based on available information
- 9 Monitor and anticipate problems and risks related to the protection of the environment during vessel operations, and take appropriate action

Evidence Guide

Evidence Guide

TDMMU107B MONITOR COMPLIANCE WITH LEGISLATIVE REQUIREMENTS AND MEASURES TO ENSURE PROTECTION OF THE ENVIRONMENT

The Evidence Guide provides advice on assessment and must be read in conjunction with the Performance Criteria, Required Skills and Knowledge, the Range Statement and the Assessment Guidelines for this Training Package.

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<p>1 Critical aspects of evidence required to demonstrate competency in this unit</p>	<p>Assessment must confirm appropriate knowledge and skills to:</p> <ul style="list-style-type: none"> a Maintain compliance with regulations for protection of the marine environment b Maintain currency and validity of all required certification and documentation concerning protection of the marine environment c Identify typical pollution control problems and take appropriate action d Communicate effectively with others concerning measures to protect the marine environment
<p>2 Evidence required for demonstration of consistent performance</p>	<ul style="list-style-type: none"> a Performance is demonstrated consistently over a period of time and in a suitable range of contexts b Consistently applies underpinning knowledge and skills when: <ul style="list-style-type: none"> 1 completing activities aimed at compliance with legislative requirements for protection of the marine environment 2 identifying and evaluating problems related to the aimed at compliance with legislative requirements for environmental protection and determining appropriate courses of action 3 identifying and implementing improvements to environmental protection measures 4 assessing compliance of vessel with legislative requirements for protection of the marine environment c Shows evidence of application of relevant workplace procedures, including: <ul style="list-style-type: none"> 1 relevant regulatory requirements dealing with environmental protection 2 OH&S regulations and hazard prevention policies and procedures

The Evidence Guide provides advice on assessment and must be read in conjunction with the Performance Criteria, Required Skills and Knowledge, the Range Statement and the Assessment Guidelines for this Training Package.

- 3 job procedures and work instructions related to environmental protection
- 4 following on-board housekeeping processes
- 5 waste, pollution and recycling management processes, where relevant
- d Action is taken promptly to report and/or rectify breaches of environmental protection regulations and conventions in accordance with established procedures
- e Work is completed systematically with required attention to detail
- f Recognises and adapts appropriately to cultural differences in the workplace, including modes of behaviour and interactions between crew and others

Evidence Guide (continued)

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3 Context of assessment

- a Assessment of competency must comply with the assessment requirements of the relevant maritime regulations
- b Assessment of this unit must be undertaken within relevant marine authority approved and audited arrangements by a registered training organisation:
 - 1 As a minimum, assessment of knowledge must be conducted through appropriate written/oral examinations, and
 - 2 Appropriate practical assessment must occur:
 - i at the registered training organisation; and/or
 - ii on an appropriate working or training vessel

3 Context of assessment	a Assessment of competency must comply with the assessment requirements of the relevant maritime regulations
4 Specific resources required for assessment	Access is required to opportunities to: <ul style="list-style-type: none"> a demonstrate performance in suitably simulated activities aimed at the protection of the marine environment covering a range of situations typically experienced on a vessel and/or b contribute to measures to protect the marine environment on a vessel in an appropriate range of situations, weather and loading conditions

Range Statement

Range Statement

TDMMU107B MONITOR COMPLIANCE WITH LEGISLATIVE REQUIREMENTS AND MEASURES TO ENSURE PROTECTION OF THE ENVIRONMENT

The Range Statement relates to the unit of competency as a whole. It allows for different work environments and situations that may affect performance.

VARIABLE

SCOPE

1. GENERAL CONTEXT

a. Work must be carried out:	1 in compliance with mandatory rules and regulations concerning protection of the marine environment
b. Work is performed:	1 relatively independently under broad operational requirements, with accountability and responsibility for self and others in achieving the prescribed outcomes

The Range Statement relates to the unit of competency as a whole. It allows for different work environments and situations that may affect performance.

c. Work involves:	1 the application of regulations and measures to ensure the protection of the marine environment in a wide variety of operational contexts
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2. WORKSITE ENVIRONMENT

a Vessel may include:	1 any Australian or international commercial ocean-going vessel
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b Dangers to the marine environment may occur:	1 by day or night in both normal and emergency situations 2 under any possible conditions of weather and loading 3 while underway 4 during berthing and unberthing operations 5 while anchoring or mooring 6 while moored or at anchor
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c Items and equipment to protect the marine environment may include:	1 pumps and valves 2 emission control equipment 3 water management equipment, including: cooling and ballast water and bilge systems 4 waste storage and recycling equipment
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Range Statement (continued)

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VARIABLE	SCOPE
<p>c Items and equipment to protect the marine environment may include: (continued)</p>	<p>5 ballast management equipment</p>
<p>d Measures to protect the marine environment may include:</p>	<p>1 prevention of spillages of cargo</p> <p>2 prevention of spillages of fuel and oil</p> <p>3 control of polluting emissions of gas and smoke</p> <p>4 policies and practices to minimise the spread and carriage of marine pests</p> <p>5 effective management of waste, pollution and recycling processes</p> <p>6 effective management of ballast operations</p> <p>7 shipboard housekeeping</p> <p>8 pollution control instructions</p>
<p>e Documentation and records may include:</p>	<p>1 operational orders</p> <p>2 relevant regulations for the type of vessel involved</p> <p>3 company procedures related to the protection of the marine environment</p> <p>4 equipment manufacturer's instructions and recommended</p>

VARIABLE	SCOPE
	<p>procedures</p> <p>5 instructions of relevant maritime authorities</p> <p>6 vessel's log where relevant</p> <p>7 certificates and other documents required for the protection of the environment</p> <p>8 relevant standards related to the protection of the marine environment</p>
<p>f Applicable legislation, regulations and codes may include:</p>	<p>1 STCW 95 Code as it relates to protection of the marine environment</p> <p>2 sections of AMSA Marine Orders related to protection of the marine environment</p> <p>3 relevant regulations and requirements for the control of marine pests</p> <p>4 MARPOL Convention</p> <p>5 relevant international, Australian and/or State/Territory legislation related to protection of the marine environment</p>

Unit Sector(s)

Not applicable.

Field

Field U Environment

Relationship to other units

<p>Relationship to other units</p>	<p>The unit may be assessed in conjunction with other units that relate to the functions of the occupation(s) concerned.</p>
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