



Australian Government

Department of Education, Employment and Workplace Relations

TDMMF5707A ASSIST IN SAFE OPERATIONS AND EMERGENCY PROCEDURES ON A COASTAL VESSEL

Release: 1

TDMMF5707A ASSIST IN SAFE OPERATIONS AND EMERGENCY PROCEDURES ON A COASTAL VESSEL

Modification History

Not applicable.

Unit Descriptor

UNIT DESCRIPTOR:

This unit involves the skills and knowledge required to assist other members of the crew in safe operations and emergency procedures on a coastal vessel.

Application of the Unit

Application of the unit	The unit has application in qualifications for General Purpose Hands, i.e. Certificate I in Transport&Distribution (Maritime Operations).
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Licensing/Regulatory Information

Licensing/legislative requirements	The unit is consistent with the relevant sections of State and Territory regulations dealing with basic safety and emergency procedures for crew on a coastal vessel.
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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 Implement basic safety practices and procedures	<ul style="list-style-type: none"> a Available information on basic safety and hazard control practices and procedures on a vessel is obtained and interpreted b Basic safety practices, precautions and procedures are applied when assisting other members of the crew in operations on a coastal vessel
2 Locate and use personal safety equipment	<ul style="list-style-type: none"> a The location of personal safety equipment on a vessel is checked and noted b Information on the use of the personal safety equipment is obtained from the master or senior members of crew c The use of personal safety equipment is correctly demonstrated as per company procedures and regulatory requirements
3 Apply basic seamanship skills applicable to a deckhand	<ul style="list-style-type: none"> a Procedures for the safe mooring, anchoring and berthing of coastal vessels are interpreted and applied during vessel operations b Basic rope handling skills are safely performed during vessel operations c Items of deck equipment are cared for and stored in accordance with company procedures and good seamanship practice

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ELEMENT	PERFORMANCE CRITERIA
<p>4 Assist in the use of basic firefighting equipment available on a coastal vessel</p>	<ul style="list-style-type: none"> a Information on procedures in the event of a fire emergency on the vessel is obtained from the skipper or senior members of crew or from published information or signage on the vessel and is correctly interpreted and applied b The location of firefighting equipment on a vessel is checked and identified c Assistance in the use of portable firefighting equipment is correctly demonstrated as per operating instructions
<p>5 Provide assistance in the event of an emergency</p>	<ul style="list-style-type: none"> a Emergency situations are correctly recognised and appropriate responses made b Assistance is provided in crowd control in emergency situations in accordance with established vessel procedures c Correct action is taken on discovery of an actual or potential emergency in accordance with established vessel procedures
<p>6 Assist in vessel abandonment procedures</p>	<ul style="list-style-type: none"> a Information on procedures in the event of vessel abandonment is obtained from the master or senior members of crew or published information or signs on the vessel and is correctly interpreted b Appropriate assistance is provided in the use of survival equipment on a vessel c Participation in abandon vessel drills confirms readiness to correctly carry out appropriate assistance in the event of vessel abandonment

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Required Skills and Knowledge

REQUIRED KNOWLEDGE

This describes the knowledge required for this unit.

- 1 Basic safety practices and procedures, including the use of all of the vessel's safety equipment
- 2 Procedures for the safe mooring, anchoring and berthing of coastal vessels
- 3 Procedures for vessel abandonment
- 4 Techniques for tying relevant knots and their applications
- 5 Portable firefighting equipment usually located on a small vessel and instructions for their use
- 6 Role of a general purpose hand in the event of a fire emergency
- 7 Location of instructions on emergency and vessel abandonment procedures on a vessel
- 8 Procedures to be followed in the event of an actual or potential emergency
- 9 Location of instructions on vessel abandonment procedures on a vessel
- 10 Role of a general purpose hand in vessel abandonment procedures
- 11 Basic crowd control methods

REQUIRED SKILLS

This describes the basic skills required for this unit.

- 1 Use basic verbal communication skills required for the role of a general purpose hand
- 2 Read and interpret basic instructions, including procedures to be taken in the event of an on-board emergency

REQUIRED KNOWLEDGE

- 3 Work safely and collaboratively with others during duties required of a general purpose hand
- 4 Use portable firefighting equipment as per operating instructions and emergency procedures
- 5 Recognise routine problems during mooring, anchoring and berthing actions and take appropriate action
- 6 Tie required knots and demonstrate rope handling skills
- 7 Adapt to changes in equipment and procedures in the workplace
- 8 Use survival equipment in an emergency
- 9 Follow required work schedule as per company requirements

Evidence Guide

Evidence Guide

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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.

1 Critical aspects of evidence required to demonstrate competency in this unit	Assessment must confirm appropriate knowledge and skills to: <ol style="list-style-type: none">a Implement basic safety practices and proceduresb Locate and use vessel's safety equipmentc Apply basic seamanship skills applicable to a deckhandd Assist in the use of basic firefighting equipment available on a coastal vessele Provide assistance in event of emergency or security threatf Assist in vessel abandonment procedures
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2 Evidence required for demonstration of consistent performance

- 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:
 - 1 implementing basic safety practices and procedures
 - 2 locating and using vessel's safety equipment
 - 3 applying basic seamanship skills applicable to a deckhand
 - 4 assisting in the use of firefighting equipment available on a coastal vessel
 - 5 providing assistance in event of emergency or security threat
 - 6 assisting in vessel abandonment procedures
- c Shows evidence of application of relevant workplace procedures, including:
 - 1 relevant maritime regulations
 - 2 safety management system and procedures (where applicable)
 - 3 OH&S regulations and hazard prevention policies and procedures
 - 4 on-board housekeeping processes
- d Action is taken promptly to report and/or rectify hazards, safety risks and safety incidents 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

4 Specific resource required for assessment

- Access is required to opportunities to:
- a participate in a range of role plays, case studies and/or other simulated practical and knowledge assessments that demonstrate the skills and knowledge to assist in safe operations and emergency procedures on board a coastal vessel; and/or
 - b to assist in safe operations and emergency drills on board an operational coastal vessel

Range Statement

Range Statement (continued)

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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
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1. GENERAL CONTEXT

a. Work must be carried out:	1 in compliance with relevant maritime regulations
b. Work is performed:	1 under supervision, usually in a team environment
c. Work involves:	1 the use of basic seamanship skills to complete operational tasks, including mooring, anchoring and berthing the vessel and assisting in emergency situations and vessel abandonment procedures as required. This includes locating the safety and firefighting equipment on a vessel and following instructions on its use.
d. Work requires:	1 the ability to work as directed and to follow instructions

2. WORKSITE 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.

a Vessel may be:	1 any Australian coastal vessel
b Safe working practices and procedures must be applied at all times, including:	1 by day or night in both normal and emergency situations 2 under any permissible conditions of weather and loading 3 while underway 4 during berthing and unberthing operations 5 while anchoring or mooring 6 when slipped or in dry dock 7 when refuelling 8 when entering confined spaces 9 during cargo, fishing or passenger operations
c Emergencies may include:	1 injury to self or others (particularly the master)

Range Statement (continued)

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VARIABLE	SCOPE
c Emergencies may include: (continued)	2 fire or explosion 3 collision 4 flooding of vessel 5 loss of propulsion power 6 loss of electrical power

VARIABLE	SCOPE
	<ul style="list-style-type: none"> 7 loss of steering 8 fuel oil, lubrication oil, steam and gas leaks 9 severe weather conditions 10 person overboard 11 confined space emergencies 12 security threats
<p>e Workplace hazards may include:</p>	<ul style="list-style-type: none"> 1 moving heavy loads in an unsafe manner 2 unsecured machinery, components, cargo or repair equipment 3 slippery deck 4 power tools, sharp tools and implements 5 moving and rotating machinery 6 flammable liquids, vapours and fuel 7 using ropes and equipment beyond safe working limits 8 poor housekeeping procedures 9 not following safe working procedures 10 electrical wiring and systems 11 hot pipes and valves (steam, fuel oil, lubricating oil) 12 cold pipes and valves (refrigeration, liquefied gas cargoes) 13 working at heights 14 exposed electrical circuits 15 toxic gases, chemicals and other harmful substances, particularly in confined spaces 16 seas breaking onto vessel

VARIABLE

SCOPE

17 any violent behaviour of passengers or others

Range Statement (continued)

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VARIABLE

SCOPE

j Documentation and records may include:

- 1 vessel's and company's safety policies and procedures
- 2 vessel's operational and emergency plans and procedures
- 3 records required under OH&S legislation:
 - i safety management system plans, procedures, checklists and instructions, (where applicable)
 - ii safety equipment manuals
 - iii hazardous substances registers
 - iv material safety data sheets

k Applicable legislation, regulations and codes may include:

- 1 relevant sections of State and Territory maritime regulations, NSCV and the USL Code concerning safe operation of coastal vessels
- 2 OH&S regulations and codes of practice, including regulations relating to hazard control in the workplace or industry
- 3 relevant Australian standards

Unit Sector(s)

Not applicable.

Field

Field MA Handling Cargo and Vessel Stability

Relationship to other units

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