



Australian Government

Department of Education, Employment and Workplace Relations

TDMME907A COMMUNICATE DURING SHORE-BASED MOORING AND UNTYING OPERATIONS

Revision Number: 1

TDMME907A COMMUNICATE DURING SHORE-BASED MOORING AND UNTYING OPERATIONS

Modification History

Not applicable.

Unit Descriptor

UNIT DESCRIPTOR:

This unit involves the skills and knowledge required to communicate effectively with others involved in the mooring and untying of vessels, including other members of the shoreside mooring team, the mooring master or supervisor, the pilot on the vessel being moored or untied, the crew of the vessel, the crew on the tug(s) and the mooring launch crew.

Application of the Unit

Application of the unit	The unit has application in qualifications for a Shore-based Linesperson, i.e. Certificate I in Transport&Distribution (Maritime Operations - Shore-based Linesperson).
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Licensing/Regulatory Information

Licensing/legislative requirements	The unit is consistent with the relevant sections of the national and international requirements and regulations relevant to the mooring and untying of ocean-going vessels.
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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 Check all communication equipment	<ul style="list-style-type: none"> a Prior to mooring or untying activities, all radios and other communication equipment are checked to confirm that they are functioning correctly b Faulty equipment is reported, rectified or replaced c Batteries are checked to confirm that they are operational and fully charged d Radios are set to operate on the channels required for mooring or untying operations
2 Communicate with others during mooring and untying operations	<ul style="list-style-type: none"> a Correct communication is maintained with others on the mooring team and with the pilot and crew on the vessel and the tug and launch crews throughout mooring and untying operations b Verbal communication is clear and concise and appropriate action is taken to confirm that the other person(s) concerned have correctly heard and interpreted the communication c Radio communication is conducted using required procedures and protocols

ELEMENT	PERFORMANCE CRITERIA
2 Communicate with others during mooring and untying operations (continued)	<p>d Appropriate methods are used to communicate with foreign crews on vessels</p> <p>e Any safety concerns are promptly and clearly communicated to the pilot both prior to and during mooring and untying operations</p> <p>f Due care is taken when using radio communication equipment not to interfere with operational communication between tug crews and the pilot of the vessel</p>

Required Skills and Knowledge

REQUIRED KNOWLEDGE

This describes the knowledge required for this unit.

- 1 Maritime regulations applicable to communication during the mooring and untying of vessels
- 2 Practices and procedures for communicating with others during mooring operations
- 3 Relevant OH&S codes of practice, policies and procedures
- 4 Basic principles and procedures for marine radio communication
- 5 Communication techniques and equipment required during mooring and untying operations, including protocols for radio use
- 6 Operational characteristics of different types of radios and other forms of communication equipment used in mooring and untying operations
- 7 Radio calling and replying procedures
- 8 Purpose of silence periods when operating radio equipment
- 9 Factors that affect communication during mooring and untying operations, including the effects of noise, faulty equipment, discharged batteries, wind, weather, etc.

REQUIRED SKILLS

This describes the basic skills required for this unit.

- 1 Communicate effectively with other personnel when mooring and untying a vessel
- 2 Interpret and follow procedures for communicating with others during mooring operations
- 3 Recognise problems that may occur when communicating with others during mooring and untying operations and take appropriate action to report and resolve them
- 4 Check that radios and communication equipment are functioning correctly
- 5 Test and recharge batteries used in radios and other communication equipment
- 6 Adapt to the communication arrangements at different wharf facilities and sizes

REQUIRED KNOWLEDGE

and types of vessel

- 7 Identify and correctly use various types of radios and other relevant communication equipment.
- 8 Take proper care of radios and communication equipment

Evidence Guide

**Evidence Guide
TDMME907A COMMUNICATE DURING SHORE-BASED MOORING
AND UNTYING OPERATIONS**

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.

<p>1 Critical aspects of evidence required to demonstrate competency in this unit</p>	<p>Assessment must confirm appropriate knowledge and skills to:</p> <ol style="list-style-type: none"> a Communicate effectively with other members of the team during mooring and untying operations b Recognise any communication problems and take appropriate action c Check radios and other communication equipment and take appropriate action if not working correctly d Set communication equipment to correct working channels for the vessels and port facility concerned e Check and recharge batteries used in radios and other communication equipment
<p>2 Evidence required for demonstration of consistent performance:</p>	<ol style="list-style-type: none"> a Performance is demonstrated consistently over a period of time and in a suitable range of contexts b Applies underpinning knowledge and skills when: <ol style="list-style-type: none"> 1 communicating with others during mooring and untying operations 2 recognising any communication problems and taking

**Evidence Guide
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- appropriate action
- 3 checking radios and other communication equipment and taking appropriate action if not working correctly
- 4 setting communication equipment to correct working channels
- 5 checking and recharging batteries used in radios and other communication equipment
- c Shows evidence of application of relevant workplace procedures, including
 - 1 relevant maritime and radio communication regulations
 - 2 port and vessel security procedures, including operating radio communication channel instruction
 - 3 OH&S regulations and hazard prevention policies and procedures
 - 4 Company procedures and work instructions
 - 5 relevant manufacturer's instructions relating to the use of radios and other communication equipment

**Evidence Guide (continued)
TDMME907A COMMUNICATE DURING SHORE-BASED MOORING
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**Evidence
2 required for
demonstration
of consistent
performance:
(continued)**

- d Action is taken promptly to report and/or rectify any problems that may occur when communicating with others during mooring and untying operations in accordance with company procedures
- e Work is completed systematically with required attention to detail and safety requirements
- f Recognises and adapts appropriately to cultural differences in the workplace, including modes of behaviour and interactions and communication with others

Evidence Guide (continued)
TDMME907A COMMUNICATE DURING SHORE-BASED MOORING AND UNTYING OPERATIONS

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 shore-side terminal or wharf

4 Specific resources required for assessment

- Access is required to opportunities to:
- a participate in a range of exercises, case studies and other simulated practical and knowledge assessments that demonstrate the skills and knowledge to communicate with others during mooring and untying operations; and/or
 - b communicate with others during actual shore-based mooring and untying operations for an ocean-going vessel at an Australian terminal or wharf.

Range Statement

Range Statement
TDMME907A COMMUNICATE DURING SHORE-BASED MOORING AND UNTYING OPERATIONS

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 relevant maritime regulations and IMO Conventions and Codes, including the relevant sections of the AMSA Marine Orders as they apply to mooring and untying operations on ocean-going vessels.
b. Work is performed:	1 under supervision as part of a mooring or untying team, with accountability and responsibility for self and others in achieving the prescribed outcomes.
c. Work involves:	1 the conduct of a range of mooring and untying techniques across a variety of vessel types and port facilities.

2. WORKSITE ENVIRONMENT

a Mooring and untying operations may be carried out:	1 for any ocean-going Australian or international commercial vessel.
b Mooring and untying operations may be carried out:	1 by day or night in both normal and emergency situations 2 under any permissible conditions of weather 3 at various shoreside terminals and wharves

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c Mooring and untying operations may include:	1	preparing a berth
	2	receiving heaving line from a launch
	3	receiving a heaving line from a vessel
	4	returning a heaving line to a vessel
	5	landing a gangway
	6	untying and letting go a vessel

Range Statement (continued)
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VARIABLE	SCOPE
d Communication required during mooring operations may include:	1 Oral communication with mooring supervisor or master and other members of the mooring or untying team
	2 VHF radio between tug crew and pilot on vessel
	3 VHF radio between tug crew and mooring launch crew
	4 VHF radio between mooring launch crew and pilot on vessel
	5 radio between mooring supervisor (shoreside) and pilot on vessel
	6 radio between mooring supervisor (shoreside) and mooring personnel (bow)
	7 radio between mooring supervisor (shoreside) and mooring personnel (stern)

Range Statement (continued)
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<p>e Persons and vessels involved in mooring and untying operations may include:</p>	<ol style="list-style-type: none"> 1 vessel and crew 2 pilot vessel and pilot 3 tug(s) and tug crew(s) 4 mooring launch and crew 5 mooring supervisor 6 Mooring personnel (bow) 7 mooring personnel (stern)
<p>f Safety precautions include:</p>	<ol style="list-style-type: none"> 1 checking own personal fitness and medical wellbeing 2 removal of any rings from fingers to avoid them being caught on steel wire ropes 3 confirming availability of a personal flotation device upon arrival at a mooring operation 4 wearing of suitable clothing 5 obtaining and using required personal protective equipment 6 keeping work area hazard-free 7 checking whereabouts of edge of wharf 8 checking whereabouts of other members of the mooring/untying team
<p>g Personal protective equipment may include:</p>	<ol style="list-style-type: none"> 1 safety footwear 2 safety helmet

Range Statement (continued)

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VARIABLE	SCOPE
<p>g Personal protective equipment may include: (continued)</p>	<p>3 suitable gloves (optional)</p> <p>4 safety vest and reflective braces</p> <p>5 personal collar insert for flotation device</p>
<p>h Documentation and records may include:</p>	<p>1 mooring and untying plans, procedures, checklists and instructions</p> <p>2 relevant sections of maritime regulations concerning mooring and untying operations</p> <p>3 rope and equipment manufacturer's instructions and procedures</p> <p>safety instructions and procedures</p> <p>4 instructions of relevant maritime authorities</p> <p>5 reports and records of mooring operations or any safety incident</p>
<p>i Applicable legislation, regulations and codes may include:</p>	<p>1 relevant sections of maritime regulations concerning mooring and untying operations</p> <p>2 Relevant regulations concerning the use of radio and communication equipment</p> <p>3 relevant port and vessel security requirements and regulations</p>

Unit Sector(s)

Not applicable.

Field

Field ME Communication

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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