



**Australian Government**

**Department of Education, Employment and Workplace Relations**

# **PUADEFBM001C Assist in seamanship operations**

**Revision Number: 1**

## PUADEFBM001C Assist in seamanship operations

### Modification History

Not applicable.

### Unit Descriptor

#### Unit Descriptor

This unit covers the competency required to assist in a range of *seamanship operations*.

It covers the specific skills and knowledge required in seamanship operations, such as general rigging and load shifting, towing, buoy attachment, berthing and slipping, equipment recovery, sea boat operations, man overboard recovery, replenishment at sea, ladder and brow deployment.

### Application of the Unit

#### Application of the Unit

This competency typically applies to a Naval Defence environment and was developed for work undertaken by boatswains mates but is applicable to any individual in this field of work.

Tasks are carried out at sea in a range of conditions that would typically apply to a lengthy operation.

### Licensing/Regulatory Information

Not applicable.

### Pre-Requisites

Not applicable.

## Employability Skills Information

**Employability Skills** This unit contains employability skills.

**Pre-requisite Unit/s** Nil

## Elements and Performance Criteria Pre-Content

Elements describe the essential outcomes of a Unit of Competency.

Performance Criteria describe the required performance needed to demonstrate achievement of the element. Where bold italicised text is used, further information is detailed in the Required Skills and Knowledge and/or the Range Statement. Assessment of performance is to be consistent with the Evidence Guide.

## Elements and Performance Criteria

### ELEMENT

1. **Prepare to assist in seamanship operation**

### PERFORMANCE CRITERIA

- 1.1 Operation briefing is received and recorded
- 1.2 Appropriate *equipment* for the evolution is identified and selected based on information as directed by the supervisor
- 1.3 Hazards and risks associated with the specific operation are identified and noted
- 1.4 Personal protective equipment is selected and worn based on the nature of the evolution

**ELEMENT****PERFORMANCE CRITERIA****2. Assist in seamanship operations**

- 2.1 Position within the *team* and *location* for the operation are identified and confirmed
- 2.2 Orders are received and acted upon within the timeframe and in accordance with shipboard procedures
- 2.3 Knots, bends, splices, whippings and hitches are correctly tied and applied
- 2.4 Lines and *hardware* are prepared and handled in accordance with shipboard procedures
- 2.5 Clear and timely communications are used during operations and the correct *communications equipment* is used where required
- 2.6 *Operational hazards* are identified and action is taken in conjunction with other team members to minimise or eliminate risk to personnel, vessel and the environment
- 2.7 Shipboard emergency and contingency plans are followed in the event of a failure or emergency associated with the operation and equipment

**3. Carry out post seamanship operations**

- 3.1 Equipment is recovered, cleaned and maintained in accordance with organisational standards and manufacturers' procedures
- 3.2 Equipment is restowed to maintain operational readiness
- 3.3 Operational debriefing is attended and constructive feedback is provided where necessary
- 3.4 Competency log and work history sheet, with tasks performed, are completed

## **Required Skills and Knowledge**

### **REQUIRED SKILLS AND KNOWLEDGE**

This describes the essential skills and knowledge and their level, required for this unit.

#### **Required Skills**

- encourage team members
- follow instructions and report information verbally and non-verbally
- participate in a team
- use a variety of verbal and non-verbal communication techniques
- use active listening skills in communication with colleagues and personnel
- work in operationally low light conditions and moving platform by day and night

#### **Required Knowledge**

- composition of teams and roles and responsibilities of team members
- definitions and terms associated with seamanship operations
- duties of personnel involved in seamanship operation
- knots, bends, splices, whippings and hitches
- occupational health and safety responsibilities/requirements
- range of communication equipment
- range of equipment used in seamanship operations
- standard operating procedures
- verbal and non-verbal communication techniques including language style, active listening

# Evidence Guide

## EVIDENCE GUIDE

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.

### **Critical aspects for assessment and evidence required to demonstrate competency in this unit**

Assessment must confirm the ability to:

- work as a team member
- quickly and accurately respond to directions.

### **Consistency in performance**

Competency should be demonstrated over time to ensure the individual is assessed across a wide variety of situations within the workplace.

### **Context of and specific resources for assessment**

#### **Context of assessment**

Competency should be assessed in an actual workplace or in a simulated environment.

#### **Specific resources for assessment**

Access is required to:

- equipment and part of ship appropriate to the seamanship operation.

## EVIDENCE GUIDE

### Method of assessment

In a public safety environment assessment is usually conducted via direct observation in a training environment or in the workplace via subject matter supervision and/or mentoring, which is typically recorded in a competency workbook.

Assessment is completed using appropriately qualified assessors who select the most appropriate method of assessment.

Assessment may occur in an operational environment or in an industry-approved simulated work environment.

Forms of assessment that are typically used include:

- direct observation
- interviewing the candidate
- journals and workplace documentation
- third party reports from supervisors
- written or oral questions.

## Range Statement

### RANGE STATEMENT

The Range Statement relates to the Unit of Competency as a whole. It allows for different work environments and situations that may affect performance. ***Bold italicised*** wording in the Performance Criteria is detailed below.

#### Seamanship operations may include

Amphibious operations (stern door marriages)  
 Berthing and slipping  
 Buoy attachment  
 Equipment recovery  
 General rigging and load shifting  
 Ladder and brow deployment  
 Man overboard recovery (swimmer, sea boat)  
 Replenishment at sea (heavy transfer, light jack stay, light line transfer)  
 Sea boat operations  
 Towing (supply/receive/forward/aft)

#### Equipment/hardware may include

Awnings  
 Blocks  
 Bollards  
 Bottle screw slips  
 Brows  
 Buoys  
 Cargo bags and nets  
 Cleats  
 Communication  
 Cordage  
 Fenders  
 Fuel hoses and connections  
 Guardrails  
 Harnesses  
 Hooks  
 Lifejackets  
 Lifting strops



**RANGE STATEMENT**

	Line throwing equipment
	Lines (manufactured or natural)
	Pallets
	Personal protective equipment
	Shackles
	Ships ladders
	Shot mats
	Steel wire rope
	Targets
	Test weight
<b>Team and location may include</b>	Bowman
	Buoy jumper
	Capstan/brake operator
	Communications number
	Dump party member
	Helmsmen
	Lifebuoy century
	Line handler
	Line thrower
	Lookout
	Personnel and equipment handler
	Quarter master's assistant
	Replenishment at sea member (hose line, jackstay line, distance line, messenger, folk sail hammer)
<b>Communications equipment may include</b>	Flags
	Hand bats
	Headsets
	Internal telephone
	Light sticks
	Radios
	Whistle
<b>Operational hazards may</b>	Change in sea state

**RANGE STATEMENT****include**

Corroded or damaged hardware  
Damaged lines  
Emergency break away  
Failure of hardware  
Incorrect hardware used  
Incorrect lines used  
Out of date hardware  
Vessels not maintaining correct position  
Working at night

**Unit Sector(s)**

Not applicable.