



Australian Government

DEFBM001C Assist in seamanship operations

Release: 2

DEFBM001C Assist in seamanship operations

Modification History

Release	TP version	Comments
2	DEF12 V2	Layout adjusted.
1	DEF12 V1	First release on TGA.

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

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

This unit contains employability skills.

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 Range Statement. Assessment of performance is to be consistent with the Evidence Guide.

Elements and Performance Criteria

ELEMENT	PERFORMANCE CRITERIA
1. Prepare to assist in seamanship operation	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.
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

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
- work 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

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.

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

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
- line throwing equipment
- lines (manufactured or natural)
- pallets
- personal protective equipment
- shackles
- ships ladders
- shot mats
- steel wire rope
- targets

Team and location may include:

- test weight
- 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)

Communications equipment may include:

- flags
- hand bats
- headsets
- internal telephone
- light sticks
- radios
- whistle

Operational hazards may include:

- change in sea state
- 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.