



Australian Government

DEFBM007A Assist in ship navigation

Release: 2

DEFBM007A Assist in ship navigation

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 ship navigation. It includes storing and maintaining navigational documentation and operating navigational equipment to assist the ship navigator.

Application of the Unit

This competency typically applies to a Naval Defence environment and was developed for 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 for navigational operations	<p>1.1 Task requirements are received and confirmed with supervisor.</p> <p>1.2 Work health and safety (WHS) requirements and recognised safety precautions are applied throughout the operation in accordance with standard procedures.</p> <p>1.3 <i>Navigational documentation</i> is stored, updated and completed in accordance with <i>navigational procedures</i>.</p> <p>1.4 <i>Navigational equipment</i> is stored, selected, inspected, tested and faults are reported in accordance with standard procedures.</p> <p>1.5 Bridge and navigational spaces are prepared for navigational operations.</p>
2. Assist in navigation of ship	<p>2.1 Communication is maintained with <i>team members</i> throughout navigational operations.</p> <p>2.2 Instructions are received, interpreted, clarified and completed.</p> <p>2.3 <i>Navigational information</i> is received, recorded, interpreted and used to inform navigational operations.</p> <p>2.4 Navigational equipment is operated in accordance with standard procedures.</p> <p>2.5 Navigational manoeuvres are accurately recorded and plotted.</p> <p>2.6 Hydrographical operations are assisted through the input of navigational information.</p> <p>2.7 Issues beyond own level of authority or competence to rectify are reported to supervisor and action is taken as directed.</p>

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
- operate communication equipment, such as radios and consoles
- participate in a team
- use active listening skills in communication with colleagues and personnel
- use verbal and non-verbal communication techniques
- work in operationally low light conditions
- work on a ship

Required Knowledge

- definitions and terms associated with navigation
- duties of personnel involved in ship navigational operations
- WHS responsibilities/requirements
- range of equipment used in navigation
- range of navigational equipment
- 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:

- navigational procedures
- information and equipment appropriate to the navigational tasks

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.

Navigational documentation may include:

- audio records
- chart correction log
- charts
- hydrographical publications
- navigation data book
- navigational publications
- radio log
- ship log
- Temporary and Preliminary notices (TMP)
- Wheel and Engine Order Book

Navigational procedures may include:

- AFGO Australian Fleet General Orders
- AHP15 Australian Hydrographic Publication 15
- BR45 admiralty manual of navigation
- ship standing orders

Navigational equipment may include:

- astronomical sighting devices
- barometer
- navigational instruments
- NDS navigator display system
- optical instruments
- plotting instruments
- time keeping devices
- wind speed indicators

Team members may include:

- bridge personnel
- navigator
- operations room personnel
- supervisor

Navigational information may include:

- internet data such as weather charts
- radio navigation warnings
- ship log
- ship navigator
- signals

Navigational manoeuvres may include:

- minefield transit
- naval gunfire support

Unit Sector(s)

Not applicable.