



Australian Government

MARN019 Command and manage a voyage on a vessel up to 45 metres (Near coastal)

Release: 1

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Modification History

Release 1. This is the first release of this unit of competency in the Maritime Training Package.

Application

This unit involves the skills and knowledge required to command and manage a near coastal voyage on a vessel up to 45 metres.

This unit applies to people working in the maritime industry in the capacity of Master up to 45 metres Near Coastal.

Licensing/Regulatory Information

Legislative and regulatory requirements are applicable to this unit.

This unit is one of the requirements to obtain Australian Maritime Safety Authority (AMSA) certification as a Master up to 45 metres Near Coastal as specified in the Marine Order 505.

Seafarers seeking certification should check with AMSA.

Pre-requisite Unit

Not applicable.

Competency Field

N – Seamanship

Unit Sector

Near Coastal

Elements and Performance Criteria

ELEMENTS

Elements describe the essential outcomes.

1 Manage vessel passage planning

PERFORMANCE CRITERIA

Performance criteria describe the performance needed to demonstrate achievement of the element.

1.1 Navigational charting systems, nautical publications and related documentation are accessed and checked for

currency

- 1.2 Navigational hazards relevant to proposed voyage are identified in accordance with workplace procedures
 - 1.3 Route for voyage is determined and critical points along proposed route of voyage are identified and plotted
 - 1.4 Potential navigational contingencies and problems along planned route are identified and appropriate strategies for dealing with them are developed and recorded
 - 1.5 Weather forecasts are obtained and interpreted, and weather and sea condition hazards relevant to proposed voyage are identified prior to departure
 - 1.6 Safe havens are identified and plotted relevant to proposed voyage
 - 1.7 Planned route for voyage and strategies for dealing with critical situations and contingencies along route are recorded
- 2 **Command a watch on a vessel whilst undertaking a voyage**
 - 2.1 Operational performance and accuracy of wheelhouse equipment is managed, confirmed and appropriate actions are taken in accordance with workplace procedures
 - 2.2 Vessel checks and inspections are managed in accordance with workplace procedures and regulatory requirements
 - 2.3 Appropriate actions are taken in the event of irregularities or abnormal conditions to maximise the safety and integrity of the vessel
 - 2.4 Proper watch is managed at all times in accordance with workplace procedures and regulatory requirements when at sea
 - 2.5 Frequency and extent of monitoring traffic, vessel and environment are managed in accordance with workplace procedures and regulatory requirements
 - 2.6 Clear and concise roles and responsibilities of watchkeeping team are established and communicated when at sea

- 2.7 Bridge communications systems are used in accordance with workplace procedures and regulatory requirements
 - 2.8 Log and record books are managed in accordance with workplace procedures and regulatory requirements
 - 2.9 Instructions are provided to watchkeepers and lookouts on requirements in relation to monitoring traffic, vessel safety and environment
- 3 **Manage responses to potential emergency situations**
 - 3.1 Potential watchkeeping problems and abnormal situations are communicated to crew in accordance with workplace procedures
 - 3.2 Emergencies and distress signals are recognised, communicated and acted upon in accordance with workplace procedures and regulatory requirements
 - 3.3 Potential collision situations are analysed, and safe actions taken to avoid collision in accordance with workplace procedures and regulatory requirements
 - 3.4 Standard watchkeeping principles are implemented and managed, when taking over bridge watch from officer of the watch, in accordance with workplace procedures
- 4 **Explain collision regulations and role of aids to navigation**
 - 4.1 Convention on the International Regulations for Preventing Collisions at Sea application and intent are described
 - 4.2 Bridge navigational aids and equipment to assist in the safe navigation of vessel and/or vessel traffic are described
- 5 **Manage and operate the use of radar to navigate safely**
 - 5.1 Radar is operated according to manufacturer instructions to produce data on position and speed of vessel, other vessels and fixed objects
 - 5.2 Radar plot is constructed on a radar plotting sheet and automatic plotting devices
 - 5.3 Systematic radar observations of vessels in the vicinity are made where there is a risk of collision
 - 5.4 Radar data is used to obtain a position fix for vessel using electronic bearing lines and variable range markers
 - 5.5 Radar bearings are corrected for vessel heading and

- compass error as appropriate
- 5.6 Radar plotting data is analysed to anticipate potential collisions
- 5.7 Analysis is used to make informed command decisions on action needed to avoid collisions
- 6 Manage wheelhouse navigation equipment in conducting a voyage**
- 6.1 Wheelhouse navigation equipment is safely and efficiently used to conduct navigation of the vessel
- 6.2 Position of vessel is monitored using wheelhouse navigation equipment during voyage to ensure planned passage is followed
- 6.3 Movement and position of vessels in the vicinity are monitored using wheelhouse navigation equipment to ensure collision situations do not occur
- 6.4 Wheelhouse navigation equipment is checked in accordance with manufacturer requirements and workplace procedures and regulatory requirements

Foundation Skills

Foundation skills essential to performance are explicit in the performance criteria of this unit of competency.

Range of Conditions

Range is restricted to essential operating conditions and any other variables essential to the work environment.

Non-essential conditions may be found in the Maritime Training Package Companion Volume Implementation Guide.

Unit Mapping Information

This is a new unit. No equivalent unit.

Links

Companion Volume Implementation Guides are found in VETNet -

<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=772efb7b-4cce-47fe-9bbd-ee3b1d1eb4c2>