



**Australian Government**

# **MARK011 Manoeuvre the ship**

**Release: 1**

# MARK011 Manoeuvre the ship

## Modification History

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

## Application

This unit involves the skills and knowledge required to perform manoeuvres on a ship in all operating conditions and in emergencies.

This unit applies to people working in the maritime industry in the capacity of:

- Master of a commercial ship less than 80 metres in length within the exclusive economic zone (EEZ)
- Master of a commercial vessel less than 500 gross tonnage (GT) in any operating area
- Watchkeeper Deck.

## Licensing/Regulatory Information

Legislative and regulatory requirements are applicable to this unit.

- Regulatory requirements include STCW International Maritime Organization (IMO) model course competencies and areas of knowledge, understanding and proficiency, together with the estimated total hours required for lectures and practical exercises. Teaching staff should note that timings are suggestions only and should be adapted to suit individual groups of trainees depending on their experience, ability, equipment and staff available for training.

Near Coastal Qualifications:

- This unit is one of the requirements to obtain Australian Maritime Safety Authority (AMSA) certification as a Master less than 80 metres Near Coastal as defined in the Marine Order 505 (Certificates of competency - National Law) 2013.

Blue Waters Qualifications:

- This unit is one of the requirements to obtain Australian Maritime Safety Authority (AMSA) certification as a Master of a commercial vessel less than 500 gross tonnage (GT) or Watchkeeper Deck and to meet regulatory requirements this unit must be delivered consistent with Marine Orders and with the relevant sections of the International Convention on Standards of Training, Certification and Watchkeeping for Seafarers (STCW).

## Pre-requisite Unit

Not applicable.

## Competency Field

K – Manoeuvring Ships

## Unit Sector

Not applicable.

## Elements and Performance Criteria

### ELEMENTS

### PERFORMANCE CRITERIA

Elements describe the essential outcomes.

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

#### 1 Manoeuvre ship in normal operations

1.1 Ship heading is maintained within acceptable limits to meet the requirements of the operating situation

1.2 Alterations of heading and power are smooth and controlled

1.3 Suitable mode of steering is selected for the manoeuvre to meet the requirements of the operating situation

1.4 Constant rate of turn techniques are used to achieve constant radius turns during manoeuvres

1.5 Safe operating limits of ship propulsion, steering and power systems are not exceeded in normal manoeuvres

#### 2 Make adjustments to ship course and speed to maintain safe navigation

2.1 Effects of operational environment on ship performance are evaluated at regular intervals

2.2 Implications of the changed operational environment on ship handling are assessed

2.3 Appropriate alterations to ship heading and power are made in response to the assessment of the operational environment

#### 3 Manoeuvre ship during adverse weather

3.1 Impending adverse weather conditions are identified and implications for ship operations are evaluated

3.2 Preparations are made to minimise risk and damage to ship and personnel

