



Australian Government

MARK011 Manoeuvre the ship

Release: 2

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Modification History

Release 2. This is the second release of this unit of competency in the MAR Maritime Training Package.

- Minor statement changes in unit Application.

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 up to 100 metres Near Coastal
- Master up to 500 gross tonnage (GT) Near Coastal
- 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 up to 100 metres Near Coastal as specified in Marine Order 505.

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 up to 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).

Training providers seeking to offer this unit of competency must gain AMSA approval before the unit is offered.

Seafarers seeking certification should check with AMSA.

Pre-requisite Unit

Not applicable.

Competency Field

K – Manoeuvring Ships

Unit Sector

Not applicable.

Elements and Performance Criteria

ELEMENTS

Elements describe the essential outcomes.

1 Manoeuvre ship in normal operations

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

3 Manoeuvre ship during

PERFORMANCE CRITERIA

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

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

2.1 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

3.1 Impending adverse weather conditions are identified and

adverse weather		implications for ship operations are evaluated
	3.2	Preparations are made to minimise risk and damage to ship and personnel
	3.3	Communications are made with engine room to ensure main engines are readied for manoeuvring
	3.4	Ship heading and power is maintained in response to adverse weather and sea conditions
4 Manoeuvre ship in emergencies	4.1	Nature of emergency is established and initial action is taken
	4.2	Risk to the ship and the safety of persons onboard is assessed
	4.3	Appropriate manoeuvres are made during the emergency to maintain the safety of the ship
	4.4	Propulsion equipment is used and monitored to assist in completing actions safely
	4.5	Safe operating limits of propulsion and steering equipment are not exceeded

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.

Unit Mapping Information

This unit replaces and is equivalent to MARK004 Perform basic vessel manoeuvres.

Links

Companion Volume Implementation Guides are found in VETNet -
<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=772efb7b-4cce-47fe-9bbd-ee3b1d1eb4c2>