



**Australian Government**

# **MARK008 Manoeuvre a vessel up to 24 metres within Near Coastal waters**

**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
- Minor statement changes in Knowledge Evidence
- Minor statement changes in Assessment Conditions.

**Release 1.** New unit of competency. Licensing/regulatory information has been incorporated in accordance with Regulatory requirements. Assessment Requirements have been strengthened in accordance with Regulatory requirements.

## Application

This unit involves the skills and knowledge required to manoeuvre a vessel of up to 24 metres in length within Near Coastal waters.

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

- Master up to 24 metres Near Coastal
- Master Inland Waters

## 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 Inland waters and Master up to 24 metres Near Coastal as specified in Marine Order 505.

Seafarers seeking certification should check with AMSA.

## Pre-requisite Unit

Not Applicable.

## Competency Field

K – Manoeuvring Vessels

## Unit Sector

Not Applicable.

## Elements and Performance Criteria

### ELEMENTS

Elements describe the essential outcomes.

#### **1 Manoeuvre vessel in normal conditions**

### PERFORMANCE CRITERIA

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

- 1.1** Features of vessel that relate to its handling characteristics are recognised
- 1.2** Details of manoeuvres are communicated to relevant personnel clearly and concisely using standard maritime vocabulary
- 1.3** Situational awareness is maintained to ensure safe manoeuvres
- 1.4** Manoeuvres are completed to meet passage requirements
- 1.5** Propulsion equipment is used and monitored to assist in completing manoeuvres safely
- 1.6** Appropriate alterations to vessel heading are made in response to operational environment
- 1.7** Safe operating limits of propulsion and steering equipment are not exceeded

#### **2 Manoeuvre vessel in adverse weather conditions**

- 2.1** Nature of adverse weather conditions is identified and the potential impact on the manoeuvrability of the vessel is determined
- 2.2** Appropriate action is taken to ensure the safety of vessel
- 2.3** Propulsion equipment is used and monitored to assist in completing actions safely
- 2.4** Heading is maintained within acceptable limits
- 2.5** Appropriate allowance is made for effects of deadweight, draft, trim, speed and underwater keel clearances during turning circles and stopping distance
- 2.6** Safe operating limits of propulsion and steering

|   |                                        |                                                                                                                                                         |
|---|----------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------|
|   |                                        | equipment are not exceeded                                                                                                                              |
|   | 2.7                                    | Situational awareness is maintained at all times to review actions and ensure safety of vessel                                                          |
| 3 | <b>Manoeuvre vessel in emergencies</b> |                                                                                                                                                         |
|   | 3.1                                    | Nature of the emergency is established and required action is determined                                                                                |
|   | 3.2                                    | Risks to the vessel and the safety of persons on board are assessed and safety of required action is confirmed                                          |
|   | 3.3                                    | Details of action are communicated to relevant personnel clearly and concisely using standard maritime vocabulary                                       |
|   | 3.4                                    | Appropriate manoeuvres are made during the emergency to maintain the safety of the vessel and those on board, and any other vessels or persons involved |
|   | 3.5                                    | Propulsion equipment is used and monitored to assist in completing actions safely                                                                       |
|   | 3.6                                    | Safe operating limits of propulsion and steering equipment are not exceeded                                                                             |
| 4 | <b>Tow and be towed</b>                |                                                                                                                                                         |
|   | 4.1                                    | Preparations for towing are safely made according to established nautical practice                                                                      |
|   | 4.2                                    | Correct towing procedures and precautions are applied when towing and being towed                                                                       |

## 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 MARK002 Manoeuvre a vessel up to 24 metres within near coastal waters.

## Links

Companion Volume Implementation Guides are found in VETNet -

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