



Australian Government

MARK013 Manoeuvre a vessel up to 100 metres

Release: 1

MARK013 Manoeuvre a vessel up to 100 metres

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 manoeuvre a vessel up to 100 metres.

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

This includes manoeuvring vessel in normal conditions, manoeuvring vessel in adverse weather conditions, manoeuvring vessel in emergencies, and towing and being towed.

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 of a commercial vessel up to 100 metres in length 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.

PERFORMANCE CRITERIA

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

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|---|---|
| 1 Manoeuvre vessel in normal conditions | <ul style="list-style-type: none">1.1 Features of vessel that relate to its handling characteristics are recognised1.2 Adequate resources are organised prior to and during operations1.3 Details of manoeuvres are communicated to relevant personnel clearly and concisely using standard maritime vocabulary1.4 Situational awareness is maintained to ensure safe manoeuvres1.5 Manoeuvres are completed in relevant conditions of tide and wind to meet passage requirements1.6 Propulsion equipment is used and monitored to assist in completing manoeuvres safely1.7 Appropriate alterations to vessel heading and power are made in response to operational environment1.8 Safe operating limits of propulsion and steering systems are not exceeded |
| 2 Manoeuvre vessel in adverse weather conditions | <ul style="list-style-type: none">2.1 Nature of adverse weather conditions is identified and implications for vessel operations are evaluated2.2 Preparations are made and required precautions are taken to minimise risk and damage to vessel, personnel and time loss on passage2.3 Manoeuvres are adjusted to allow for weather and sea conditions, and to keep vessel in safe water2.4 Propulsion equipment is used and monitored to assist in completing actions safely2.5 Heading is maintained within acceptable limits2.6 Appropriate allowance is made for effects of deadweight, draft, trim, speed and underwater keel clearances during turning circles and stopping distance2.7 Safe operating limits of propulsion and steering equipment are not exceeded2.8 Situational awareness is maintained at all times to |

		review actions and ensure safety of vessel
3 Manoeuvre vessel in emergencies	3.1	Nature of emergency is established and required action is determined
	3.2	Risks to vessel and safety of persons onboard 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 emergency to maintain safety of vessel and those onboard, 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
	3.7	Special handling techniques are correctly applied during launching of boats or life rafts and rescues of persons overboard
4 Tow and be towed	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 MARK009 Manoeuvre a vessel up to 80 metres.

Links

Companion Volume Implementation Guides are found in VETNet -

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