MARK010 Manoeuvre and handle a ship in all conditions

Release: 1

MARK010 Manoeuvre and handle a ship in all conditions

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 issue orders to manoeuvre and handle and command navigation of a vessel.

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

- Master of a commercial vessel less than 500 gross tonnage (GT)
- Master of a commercial vessel Unlimited
-

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 Master of a commercial vessel less than 500 gross tonnage (GT) or Master Unlimited 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).

- Those 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.

Pre-requisite Unit

Not applicable.

Competency Field

K – Manoeuvring Vessels

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 Provide commands to bridge and engine room to effect manoeuvres	**1.1** Situational awareness is maintained to determine progress of vessel
	1.2 Situation is assessed to determine manoeuvres required
	1.3 Appropriate orders are issued to ensure vessel is manoeuvred safely in all conditions
2 Order adjustments to vessel course and speed to maintain safe navigation	**2.1** Effects of the operational environment on vessel performance are evaluated at regular intervals
	2.2 Implications of the changed operational environment on vessel handling are assessed
	2.3 Appropriate alterations are made and orders issued in response to assessment of the operational environment
3 Command vessel during emergencies	**3.1** Nature of emergency is established and initial action taken
	3.2 Risks to the vessel and the safety of persons onboard are assessed
	3.3 Appropriate manoeuvres are made to maintain vessel and personnel safety
4 Work with pilot to ensure safe passage to berth or anchorage	**4.1** Vessel is manoeuvred to ensure safe transfer of pilot
	4.2 Pilot is provided access to vessel resources
	4.3 Pilot is provided with information on vessel handling characteristics
	4.4 Proposed berthing/anchoring plan is discussed with pilot
	4.5 Pilot activities are monitored to ensure safe operation of

vessel according to agreed berthing/anchoring plan

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 MARK006 Manoeuvre a vessel 500 gross tonnage or more.

Links

Companion Volume implementation guide can be found in VetNet - https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=772efb7b-4cce-47fe-9bbd-ee3b1d1eb4c2