



Australian Government

MARF052 Apply nautical knowledge

Release: 1

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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 apply nautical knowledge as described in Module 4 of International Association of Marine Aids to Navigation and Lighthouse Authorities (IALA) Model Course C0103-1 Vessel Traffic Services Operator Training, including:

- chartwork
- International Regulations for Preventing Collisions at Sea (COLREGS)
- aids to navigation
- navigational aids (shipborne)
- shipboard knowledge
- port operations and other allied services.

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

- Vessel Traffic Services (VTS) Operator.

IMO Regulatory framework

International Convention for the Safety of Life at Sea (SOLAS) V/12 states that Contracting Governments planning and implementing VTS shall, wherever possible, follow the guidelines developed by the International Maritime Organization (IMO).

IMO Resolution A.1158(32) Guidelines for VTS states:

- VTS personnel should only be considered competent when appropriately trained and qualified for their VTS duties. This includes, amongst other things, that personnel have satisfactorily completed generic VTS training approved by a competent authority.
- IALA publishes standards and associated recommendations, guidelines and model courses specifically related to the establishment and operation of VTS contribute to achieving worldwide harmonization of VTS.
- Contracting Governments are encouraged to take into account IALA standards and associated recommendations, guidelines and model courses specifically related to the operation of VTS.

Licensing/Regulatory Information

Legislative and regulatory requirements are applicable to this qualification.

- Marine Order 64 (Vessel Traffic Services)
- RTOs must:

- demonstrate compliance with IALA Standard 1050 – Training and Certification
- take into account IALA standards and associated recommendations, guidelines and model courses.

Pre-requisite Unit

Not Applicable

Competency Field

F – Operational Quality and Safety

Unit Sector

Maritime Sector

Elements and Performance Criteria

ELEMENTS

Elements describe the essential outcomes.

PERFORMANCE CRITERIA

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

1 Carry out chartwork	1.1	Information obtained from navigational charts and publications is relevant, interpreted correctly and applied
	1.2	Tools associated with chart work are applied
	1.3	Calculations and measurements of navigation information are applied
2 Explain collision regulations, role of aids to navigation and navigational aids	2.1	Application and intent of COLREGs is described
	2.2	Aids to navigation to enhance safe and efficient navigation of individual vessels and/or vessel

		traffic are described
	2.3	Shipborne navigational aids to assist in the navigation of ships are described
3 Explain shipboard and port characteristics	3.1	Information relevant to ship design, meteorological and hydrographic conditions that may influence the monitoring and management of ship traffic is explained
	3.2	Information relevant to port operations and allied services that may influence the monitoring and management of ship traffic are explained

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.

Non-essential conditions may be found in the MAR Maritime Training Package Companion Volume Implementation Guide.

Unit Mapping Information

This is a new unit. No equivalent unit.

Links

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