



Australian Government

**MARC059 Transmit and receive
information by marine VHF radio within
Australian Territorial Waters**

Release: 1

MARC059 Transmit and receive information by marine VHF radio within Australian Territorial Waters

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 transmit and receive information by marine very high frequency (VHF) radio on a vessel according to regulations and includes operating an emergency position indicating radio beacon (EPIRB).

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 defined in the National Standard for Commercial Vessels (NSCV) Part D.
- This unit applies to all boaters using marine VHF radio equipment to transmit and receive information to and from shore and vessel-based operators within Australian Territorial Waters – defined as all waters within 12 nautical miles from the coastal baseline.
- This unit is consistent with the requirements of the Radiocommunications (Maritime Ship Station – 27 MHz and VHF) Class Licence 2001.

Pre-requisite Unit

Not applicable.

Competency Field

C – Equipment Operations

Unit Sector

Not applicable.

Elements and Performance Criteria

ELEMENTS

PERFORMANCE CRITERIA

Elements describe the essential Performance criteria describe the performance needed to

outcomes.

demonstrate achievement of the element.

1 Operate VHF radio equipment to transmit and receive messages

- 1.1 VHF radio equipment is selected for operation within limits of specifications
- 1.2 VHF radio equipment is operated to transmit and receive various types of signal according to manufacturer instructions, established radio operation procedures and regulatory requirements
- 1.3 Regulations and procedures applicable to vessel stations equipped with radio and digital selective calling (DSC) facilities are applied during radio communication
- 1.4 Work health and safety (WHS)/occupational health and safety (OHS) procedures and hazard control strategies are applied when operating radio equipment

2 Access search and rescue (SAR) VHF radio facilities

- 2.1 Information that may be required is identified and documented
- 2.2 Request is made to the appropriate organisation for the provision of the information in the required format and on the correct channel
- 2.3 Information is provided and received in the required format and on the correct channel

3 Operate an EPIRB in a distress situation

- 3.1 Routine checks and maintenance are carried out on EPIRBs, including float free EPIRBs, to confirm their operational capability according to manufacturer instructions and specifications
- 3.2 EPIRB is operated according to manufacturer instructions and regulatory requirements

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 MARC019 Transmit and receive information by marine VHF radio within Australian Territorial Waters

Links

Companion Volume implementation guide can be found in VetNet -

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