



Australian Government

**Assessment Requirements for MARH005
Use wheelhouse equipment for safe
navigation**

Release: 2

Assessment Requirements for MARH005 Use wheelhouse equipment for safe navigation

Modification History

Release 1. New unit of competency.

Release 2. Additional information re procedures to determine compass accuracy included in Knowledge Evidence.

Performance Evidence

Evidence required to demonstrate competence in this unit must be relevant to and satisfy all of the requirements of the elements and performance criteria on at least one occasion and include:

- interpreting radar displays and indications
- operating marine radar systems and equipment on a vessel
- operating marine radar systems and equipment on an automatic radar plotting aid (ARPA) system
- operating other electronic navigational instruments and equipment on a vessel
- reading and interpreting service manuals and instructions for radar and other electronic navigational aids
- recognising faulty radar equipment and taking appropriate action
- recognising problems when using radar and other electronic navigational aids to maintain safe navigation and taking appropriate action
- recognising radar display of search and rescue transponders (SART) and racon signals.
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Knowledge Evidence

Evidence required to demonstrate competence in this unit must be relevant to and satisfy all of the requirements of the elements and performance criteria and include knowledge of:

- different types of navigational aids, including their features, key applications and operational characteristics
- limitations and potential errors associated with each type of electronic navigational aid
- methods for the interpretation and analysis of navigational data produced by radar and other electronic navigational instruments
- procedures for the initialisation and operation of radar and other electronic navigational instruments
- procedures to determine compass accuracy by azimuth, amplitude or other method appropriate to the standards of watchkeeping practice when beyond sight of land
- procedures for the use of data generated by radar and other electronic navigational instruments
- relevant sections of state and territory regulations, National Standard for Commercial Vessels (NSCV) and Uniform Shipping Laws (USL) Code dealing with navigational equipment and the responsibilities of a Master or Deck Officer

- techniques for the use of radar and other electronic navigational instruments
- terminology and principles of operation of radar and other electronic navigation aids typically used on vessels
- work health and safety (WHS)/occupational health and safety (OHS) requirements and work practices.
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Assessment Conditions

Assessors must satisfy National Vocational Education and Training Regulator (NVR)/Australian Quality Training Framework (AQTF) assessor requirements.

Assessment must occur in workplace operational situations where it is appropriate to do so; where this is not appropriate, assessment must occur in simulated workplace operational situations that reflect workplace conditions.

Assessment processes and techniques must be appropriate to the language, literacy and numeracy requirements of the work being performed and the needs of the candidate.

Resources for assessment must include access to:

- tools, equipment, machinery, materials and personal protective equipment currently used in industry
- applicable documentation such as legislation, regulations, codes of practice, workplace procedures and operational manuals
- range of relevant exercises, case studies and/or simulations.
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Links

MAR Maritime Training Package Companion Volume Implementation Guide at: -
http://companion_volumes.vetnet.education.gov.au/Pages/TrainingPackage.aspx?pid=22