



Australian Government

**Assessment Requirements for MARH001
Plan and navigate a passage for a vessel up
to 12 metres**

Release: 1

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Modification History

Release 1. New unit of competency.

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:

- applying International Regulations for Preventing Collisions at Sea
- applying weather information during passage planning and explaining expected weather patterns
- correctly interpreting weather information received
- establishing relationship between degrees and minutes of latitude, with nautical miles
- explaining impact of tidal variation on chart depths
- identifying and complying with all navigational buoys, marks and beacons
- identifying and responding to relevant proximity alarms
- identifying:
 - courses to steer between turning points
 - navigational hazards
 - times and heights of high and low water from local tide tables
- obtaining weather information applicable to an intended passage
- plotting the position derived from global positioning system (GPS) and explaining the dangers of reliance on the use of GPS in coastal areas
- plotting visual bearings on a chart to derive a position
- relating information in forecasts to conditions expected for small vessels
- specifying fuel consumption and time at turning points
- steering a pre-planned course.

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:

- action to be taken on receiving adverse weather report and on encountering heavy weather
- appreciation of manoeuvring difficulties of larger vessels
- basic information contained in a navigation chart
- basic meteorological terms
- basic pilotage techniques
- chart information (symbols and abbreviations)
- coastal features
- cyclonic and storm development
- dangers to navigation
- electronic aids and their limitations including sourcing and applying chart corrections
- local weather patterns including features on a synoptic weather chart
- propulsion equipment
- radio equipment
- sources of weather reports and warnings
- speed, distance and time calculations
- types of reports available
- use of a compass and compass errors
- use of local tide tables
- work health and safety (WHS)/occupational health and safety (OHS) requirements and work practices.

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.

(NOTE: simulator is only appropriate for planning and navigation; simulator IS NOT appropriate for vessel handling.)

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.

Links

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