



Australian Government

MARH002 Apply weather information when navigating inland waters as Master

Release: 1

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Modification History

Release 1. New unit of competency.

Application

This unit involves the skills and knowledge required to predict meteorological conditions and apply them to ensure the safe navigation of a vessel. It includes interpreting and applying information obtained from observations, reports and instruments and forecasting weather for an intended inland waters passage using all available data.

This unit applies to those working in the capacity of a Master Inland Waters on any commercial vessel up to 24 metres engaged in inland waters navigation.

This unit has links to legislative and certification requirements.

Pre-requisite Unit

Not applicable.

Competency Field

H – Navigation

Unit Sector

Not applicable.

Elements and Performance Criteria

Elements describe the essential outcomes.

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

1 Obtain weather information

- 1.1 Relevant weather forecasts are obtained from a range of sources and correctly interpreted
- 1.2 Weather conditions are observed and correctly interpreted according to established nautical and meteorological practice
- 1.3 Basic measurements of meteorological conditions are

- correctly made and recorded using established procedures
- 1.4 Relevant meteorological charts, publications and related documentation are obtained, used, updated, stored and maintained
- 2 Apply weather data to safe navigation**
- 2.1 Weather condition hazards relevant to a proposed voyage are identified using relevant forecasts based on interpretation of meteorological observations, reports and measurements
- 2.2 Voyage is modified as required to take into account weather and water condition hazards according to established navigational practice and operational instructions
- 3 Maintain records of weather and oceanographic information**
- 3.1 Meteorological measurements, observations, reports and forecasts are recorded and stored according to organisational procedures and regulatory requirements
- 3.2 Actions taken to maintain safety of navigation and to minimise risk to safety of vessel as a result of weather and oceanographic forecasts, are documented according to organisational procedures

Foundation Skills

This section describes those language, literacy, numeracy and employment skills that are essential to performance.

Foundation skills essential to performance are explicit in the performance criteria of this unit of competency.

Range of Conditions

Specifies different work environments and conditions that may affect performance. Essential operating conditions that may be present (depending on the work situation, needs of the candidate, accessibility of the item, and local industry and regional contexts) are included.

Range is restricted to essential operating conditions and any other variables essential to the work environment.

Sources include one or more of the following:

- charts
- instruments
- observations
- reports
- satellite images

Documentation include one or more of the following:

- meteorological publications
- navigational charts of inland waterways
- notices and instructions of relevant maritime authorities
- operational orders
- organisational procedures
- relevant sections of state and territory marine regulations, National Standard for Commercial Vessels (NSCV) and Uniform Shipping Laws (USL) Code
- vessel log
- vessel manufacturer instructions and recommended procedures
- weather reports, charts and satellite images

Unit Mapping Information

This is a new unit. This unit is equivalent to MARH3001A Apply weather information when navigating inland waters as Master.

Links

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