NAVIGATION AND SEAMANSHIP
Demonstrate knowledge of navigation aids

level: 3
credit: 5
planned review date: May 2007
replacement information: This unit standard replaced unit standard 12308.
sub-field: Maritime
purpose: People credited with this unit standard are able to describe navigational aids and use navigational aids under supervision.
entry information: Open.
accreditation option: Evaluation of documentation and visit by NZQA and industry.
moderation option: A centrally established and directed moderation system has been established by Competenz.
special notes: Description and use of the navigational aids is limited to their basic functions and use aboard the vessel that the candidate is working on.

Elements and Performance Criteria

element 1
Describe navigational aids.

performance criteria

1.1 Navigational aids are described in terms of their principal function on a vessel.

Range: includes but is not limited to - chartplotter and/or Global Positioning System (GPS), autopilot, sounder, magnetic compass, gyro compass, radar.
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1.2 The precautions required when using a compass are outlined in terms of the effects of some objects and materials on magnetic compasses, and the difference between gyro and magnetic compass bearings and headings.

**element 2**

Use navigational aids under supervision.

**performance criteria**

2.1 Position is obtained from GPS and/or chartplotter and is manually transferred to a chart.

2.2 Information from a sounder is used to assist in confirming the position of a vessel and maintaining a safe distance off navigational hazards, as determined by the master.

2.3 The limitations of the use of navigation aids are outlined in terms of the dangers encountered when untrained personnel interpret navigation aid displays.

**Comments on this unit standard**

Please contact Competenz j.broadhead@competenz.org.nz if you wish to suggest changes to the content of this unit standard.

**Please Note**

Providers must be accredited by the Qualifications Authority or a delegated inter-institutional body before they can register credits from assessment against unit standards or deliver courses of study leading to that assessment.

Industry Training Organisations must be accredited by the Qualifications Authority before they can register credits from assessment against unit standards.

Accredited providers and Industry Training Organisations assessing against unit standards must engage with the moderation system that applies to those standards.

Accreditation requirements and an outline of the moderation system that applies to this standard are outlined in the Accreditation and Moderation Action Plan (AMAP). The AMAP also includes useful information about special requirements for providers wishing to develop education and training programmes, such as minimum qualifications for tutors and assessors, and special resource requirements.
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This unit standard is covered by AMAP 0054 which can be accessed at http://www.nzqa.govt.nz/framework/search/index.do