

<b>Title</b>	<b>Demonstrate knowledge of navigation aids in a maritime environment</b>		
<b>Level</b>	<b>3</b>	<b>Credits</b>	<b>5</b>

<b>Purpose</b>	People credited with this unit standard are able to describe navigational aids and use navigational aids in a maritime environment.
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<b>Classification</b>	Maritime > Navigation and Seamanship
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<b>Available grade</b>	Achieved
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### Guidance Information

- 1 Legislation relevant to this unit standard includes:  
Health and Safety at Work Act 2015.  
Maritime Transport Act 1994 and subsequent amendments.
- 2 Reference  
Maritime Rules and advisory circulars, available at <http://www.maritimenz.govt.nz>.
- 3 Definition  
Vessel/ refers to any form of commercial or military watercraft and is sometimes used in maritime circles interchangeably with the word ship.
- 4 Assessment information  
Description and use of the navigational aids are limited to their basic functions and use aboard the vessel that the candidate is working on.

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### Outcomes and performance criteria

#### Outcome 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.
- 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.

**Outcome 2**

Use navigational aids.

**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.

<b>Replacement information</b>	This unit standard replaced unit standard 12308.
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<b>Planned review date</b>	31 December 2025
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**Status information and last date for assessment for superseded versions**

Process	Version	Date	Last Date for Assessment
Registration	1	26 May 2003	31 December 2022
Review	2	26 November 2020	N/A

<b>Consent and Moderation Requirements (CMR) reference</b>	0054
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This CMR can be accessed at <http://www.nzqa.govt.nz/framework/search/index.do>.

**Comments on this unit standard**

Please contact Competenz [qualifications@competenz.org.nz](mailto:qualifications@competenz.org.nz) if you wish to suggest changes to the content of this unit standard.