

<b>Title</b>	<b>Describe and use electronic navigation information displays aboard commercial fishing vessels</b>		
<b>Level</b>	<b>3</b>	<b>Credits</b>	<b>7</b>

<b>Purpose</b>	<p>This unit standard is for people working in a commercial seafood operation.</p> <p>People credited with this unit standard are able to: describe vessel information displays; establish the position and heading of a vessel; and calculate the future vessel position and time of arrival at a given time, using the vessel information displays aboard, and describe information for determining the Fishing Management Area boundary and territorial limit.</p>
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<b>Classification</b>	Seafood > Seafood Vessel Operations
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<b>Available grade</b>	Achieved
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**Guidance Information**

- 1 All evidence presented in this unit standard must be in accordance with:
  - Workplace procedures;
  - Fisheries Act 1996;
  - Health and Safety at Work Act 2015;
  - Maritime Transport Act 1994;
  - and any subsequent amendments.
  
- 2 Definitions
 

*Commercial fishing vessel* refers to a vessel that is operating a Maritime Operator Safety System (MOSS) that is recognised by Maritime New Zealand and meets the requirements of the Maritime Transport Operator Certificate and/or Plan.

*Workplace procedures* refer to the policies and procedures set out in a verbal or written form by the employer or organisation. Procedures must be consistent with current legislative requirements and manufacturer’s recommendations or instructions where relevant.

**Outcomes and performance criteria**

**Outcomes 1**

Describe vessel electronic navigation information displays.

Range includes but is not limited to – chartplotter, Global Positioning System (GPS), sounder, sonar, magnetic compass, gyro compass, radar, net monitor.

**Performance criteria**

1.1 Describe the principal function of the information displays on the vessel.

1.2 Describe the information displayed for evaluation by users.

**Outcome 2**

Establish the position and heading of a vessel using electronic navigation aids.

**Performance criteria**

2.1 Obtain the position using a navigation aid and manually transfer it to a chart.

Range one of – GPS, chartplotter.

2.2 Obtain the heading using a navigation aid and manually transfer it to a chart.

Range one of – GPS, chartplotter, compass.

2.3 Describe the limitations of the use of electronic navigation aids in terms of the dangers encountered when untrained personnel interpret navigation aid displays.

**Outcome 3**

Calculate the future vessel position at a given time and estimate the time of arrival at a given position, using the electronic navigation information displays on board the vessel, and describe information for determining the Fishing Management Area boundary and territorial limit.

Range one of - Fishing Management Area boundary, territorial limit.

**Performance criteria**

3.1 Calculate the future vessel position at a given time from information displays.

3.2 Calculate the estimated time of arrival from information displays and given line or position.

3.3 Describe the official source of information for determining the Fishing Management Area boundary and territorial limit.

<b>Planned review date</b>	31 December 2028
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**Status information and last date for assessment for superseded versions**

Process	Version	Date	Last Date for Assessment
Registration	1	20 November 2006	31 December 2019
Review	2	16 October 2009	31 December 2019
Review	3	24 January 2019	N/A
Rollover	4	29 February 2024	N/A

**Consent and Moderation Requirements (CMR) reference**

0123

This CMR can be accessed at <http://www.nzqa.govt.nz/framework/search/index.do>.

**Comments on this unit standard**

Please contact the Muka Tangata - People, Food and Fibre Workforce Development Council [qualifications@mukatangata.nz](mailto:qualifications@mukatangata.nz) if you wish to suggest changes to the content of this unit standard.