

<b>Title</b>	<b>Demonstrate knowledge of the modular harvesting system trawl gear operations</b>		
<b>Level</b>	<b>4</b>	<b>Credits</b>	<b>15</b>

<b>Purpose</b>	<p>This unit standard is for people working in commercial seafood vessel operations.</p> <p>People credited with this unit standard are able to: demonstrate knowledge of the Modular Harvesting System (MHS) trawl gear configuration and individual MHS trawl gear modules; assemble and prepare the MHS trawl gear for shooting, complete hauling and tipping of the MHS, and demonstrate how to repair the gear; demonstrate knowledge of hazards associated with MHS trawl gear, and on-board handling practices, and implement mitigation of on-board risks; and describe the requirements for approval of the MHS trawl gear for use, and the technical specifications for use.</p>
----------------	--

<b>Classification</b>	Seafood > Seafood Vessel Operations
-----------------------	-------------------------------------

<b>Available grade</b>	Achieved
------------------------	----------

### Guidance Information

- 1 Legislation relevant to this unit standard includes but is not limited to:
  - Fisheries Act 1996;
  - Health and Safety at Work Act 2015;
  - Maritime Transport Act 1994;
  - Fisheries (Commercial Fishing) Regulations 2001 approvals and any subsequent amendments.
- 2 Definitions
 

*Configuration* refers to the combination of cone, retention, and lift bag modules of the Modular Harvesting System trawl net.

*Modular Harvesting System (MHS) trawl gear* refers to the gear used from the trawl warps to the codend, and all gear and equipment in between.

*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.
- 3 For the purposes of assessment all evidence must be presented in accordance with workplace procedures.

---

## Outcomes and performance criteria

### Outcome 1

Demonstrate knowledge of the MHS trawl gear configuration and individual MHS trawl gear modules.

#### Performance criteria

- 1.1 Identify and describe the common parts of the MHS trawl gear modules in terms of their function.
- 1.2 Identify and describe the difference between the different gear configurations available to the fisher.  
  
Range evidence of two inshore or two deep water gear configurations is required.

### Outcome 2

Assemble and prepare the MHS trawl gear for shooting, complete hauling and tipping of the MHS, and demonstrate how to repair the gear.

#### Performance criteria

- 2.1 Assemble MHS trawl gear, including attaching the MHS transition to the trawl gear.
- 2.2 Prepare the MHS trawl gear for shooting in both the retention or closed configuration and normal configuration.
- 2.3 Describe the reasons for deploying the gear in the retention configuration.
- 2.4 Haul and tip the MHS trawl gear.
- 2.5 Demonstrate MHS trawl gear repair within the timeframe set by the supervisor.  
  
Range includes but is not limited to – lashing the MHS, swapping position of retention modules, replacing a MHS module panel, lay or run of the net, tension, knots.

### Outcome 3

Demonstrate knowledge of hazards associated with MHS trawl gear, and on-board handling practices, and implement mitigation of on-board risks.

#### Performance criteria

- 3.1 Describe the roles and responsibilities of personnel when identifying and managing hazards associated with MHS trawl gear on-board handling practices.

- 3.2 Identify hazards associated with on-board handling practises when using a MHS trawl gear.
- 3.3 Mitigate on-board risks when using a MHS trawl gear, demonstrate where this information is recorded, and describe the process for reporting on incidences.

**Outcome 4**

Describe the requirements for approval of the MHS trawl gear for use, and the technical specifications for use.

**Performance criteria**

- 4.1 Describe the approval process for the MHS trawl gear.
- 4.2 Describe the details required for a specific MHS trawl gear approval for a fishery.  
  
Range target stocks and species, approved Fisheries Management Areas (FMAs), depths, gear types and associated restrictions when using the MHS trawl gear.
- 4.3 Describe the process and reporting requirements to ensure the MHS trawl gear meets the technical specifications in the Fisheries (Commercial Fishing) Regulations 2001 approvals.  
  
Range evidence of either inshore or deep-water fishing management areas is required.
- 4.4 Describe vessel reporting requirements to demonstrate that the MHS trawl gear meets the technical specifications in the Fisheries (Commercial Fishing) Regulations 2001 approvals.

<b>Planned review date</b>	31 December 2028
----------------------------	------------------

**Status information and last date for assessment for superseded versions**

Process	Version	Date	Last Date for Assessment
Registration	1	27 January 2022	N/A
Rollover	2	29 February 2024	N/A

<b>Consent and Moderation Requirements (CMR) reference</b>	0123
--	------

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

---

**Comments on this unit standard**

Please contact 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.