

Title	Carry out welding, describe and carry out processing factory systems repair, on a commercial fishing vessel		
Level	3	Credits	17

Purpose	<p>This unit standard is for people working on a commercial fishing vessel.</p> <p>People credited with this unit standard are able to describe: the repair of fish processing factory systems by replacing parts; and fish processing factory electrical systems. They are also able to: carry out the welding of stainless steel on board a fish processing factory; and complete the repair of fish processing factory electrical systems.</p>
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Classification	Seafood > Seafood Vessel Operations
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Available grade	Achieved
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Guidance Information

- 1 References, legislation and subsequent amendments, relevant to this unit standard include but are not limited to:
 - Fisheries Act 1996;
 - Maritime Transport Act 1994;
 - Health and Safety at Work Act 2015;
 - Workplace procedures.
- 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

Outcome 1

Carry out the welding of stainless steel on board a fish processing factory.

Performance criteria

- 1.1 Complete checks of equipment and surrounding area to confirm it is safe prior to undertaking welding.
- 1.2 Undertake the welding of stainless steel.

Outcome 2

Describe the repair of fish processing factory systems by replacing parts.

Range pneumatic system – filter, ram, oiler, hose, pipe, valve;
water reticulation system – three of – hose, filter, valve, nozzle;
hydraulic system – filter, ram, motor, hose, valve, fluid;
conveyer system – bearing, bush, sprocket, belting, wear strip, motor roller.

Performance criteria

- 2.1 Describe the function of each part in fish processing factory systems.
- 2.2 Describe the signs that indicate a part needs replacement.
- 2.3 Describe the procedures to replace the parts in order to conduct the repair of fish processing factory systems.
- 2.4 Describe testing procedures following the part replacement to confirm the fish processing factory system is repaired.

Outcome 3

Describe fish processing factory electrical systems and complete the repair.

Performance criteria

- 3.1 Describe the electrical safety precautions required when working on a fish processing factory.
- Range testing live components, isolation.
- 3.2 Test the electrical components using the correct testing equipment.
- Range components – limit switch, proximity switch, solenoid coil;
testing equipment – multimeter, voltage detector, magnetic probe.
- 3.3 Describe the normal operation of limit switches, proximity switches and solenoid coils.
- 3.4 Complete the repair by replacing the components.
- Range limit switch, proximity switch, solenoid coil.

Planned review date	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	28 February 2001	31 December 2019
Revision	2	14 January 2004	31 December 2019
Review	3	18 July 2008	31 December 2019
Review	4	24 January 2019	N/A
Rollover	5	29 February 2024	N/A

Consent and Moderation Requirements (CMR) reference	0123
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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 Muka Tangata - People, Food and Fibre Workforce Development Council qualifications@mukatangata.nz if you wish to suggest changes to the content of this unit standard.