

Title	Shutdown and isolate hydraulic equipment on a vessel being constructed or maintained		
Level	5	Credits	3

Purpose	People credited with this unit standard are able to prepare for shutdown and isolation of hydraulic equipment, and shutdown and isolate hydraulic equipment on a vessel being constructed or maintained.
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Classification	Boating Industries > Boatbuilding
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Available grade	Achieved
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Guidance Information

- 1 Definition
Workplace policies and procedures refer to the documented procedures and policies providing guidelines of the tasks and activities carried out in the workplace. This typically includes relevant health and safety requirements to manage risk in the workplace.
- 2 Shutdown and isolation must be demonstrated for a minimum of two hydraulic equipment items, on a vessel being constructed or maintained, each with different isolation requirements.

Outcomes and performance criteria

Outcome 1

Prepare for shutdown and isolation of hydraulic equipment on a vessel being constructed or maintained.

Performance criteria

- 1.1 The impact of shutdown is assessed in terms of effects on neighbouring systems and equipment.

 Range upstream, downstream.
- 1.2 Shutdown procedure is established in accordance with system and equipment requirements.
- 1.3 All personnel affected by the shutdown procedure are advised in accordance with workplace policies and procedures.

- 1.4 Potential hazards associated with the shutdown are identified in terms of type and magnitude of hazard.

Range may include but is not limited to – moving parts, energy release, exposure to power source(s).

Outcome 2

Shutdown and isolate hydraulic equipment on a vessel being constructed or maintained.

Performance criteria

- 2.1 Equipment lock-off devices and tags are used in accordance with workplace policies and procedures.

Range may include but is not limited to – isolation of mechanical and electrical drives, pipework, pressure supply systems (oil, water and product), rotating equipment, electrical switches, circuit breakers, mechanical and power driven valves, blanking plates, chocks, safety pins.

- 2.2 Stored or residual energy is dissipated or restrained in accordance with workplace policies and procedures.

- 2.3 System and equipment records are completed for shutdown and isolation in accordance with workplace policies and procedures.

- 2.4 Equipment is shut down and isolated in accordance with equipment and system requirements.

This unit standard is expiring. Assessment against the standard must take place by the last date for assessment set out below.

Status information and last date for assessment for superseded versions

Process	Version	Date	Last Date for Assessment
Registration	1	21 May 2010	31 December 2025
Rollover and Revision	2	30 August 2018	31 December 2025
Review	3	25 August 2022	31 December 2025

Consent and Moderation Requirements (CMR) reference	0136
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This CMR can be accessed at <http://www.nzqa.govt.nz/framework/search/index.do>.