

Title	Operate mechanical plant used in a marine or composite workplace		
Level	4	Credits	10

Purpose	People credited with this unit standard are able to prepare to operate, and operate mechanical plant used in a marine or composite workplace.
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Classification	Boating Industries > Boatbuilding
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Available grade	Achieved
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Guidance Information

- 1 All required equipment and plant must be set up, started up, operated, and shut down in accordance with organisation policies and procedures.
- 2 All work practices must meet recognised codes of practice and documented worksite health and safety procedures (where these exceed code) for personal, product, and worksite health and safety, and must meet the obligations required under the Health and Safety at Work Act 2015 and the Resource Management Act 1991, and any subsequent amendments.
- 3 Definitions
Job specifications refers to the standard requirements of the job being undertaken.
Workplace policies and procedures refers 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 policies to manage risk in the workplace.
- 4 Range
 mechanical plant may include but is not limited to – band saw, circular saw, dimension saw, spindle moulder, brake press, drill press, thicknesser, welding equipment or plant, compressors.

Outcomes and performance criteria

Outcome 1

Prepare to operate mechanical plant used in a marine or composite workplace.

Performance criteria

- 1.1 Machines, ancillary equipment, product and material hazards are identified and precautions taken in accordance with workplace policies and procedures.

- 1.2 The process and sequence of operation are identified in accordance with job specifications and workplace policies and procedures.
- 1.3 Mechanical plant is prepared for operation in accordance with job specifications and workplace policies and procedures.

Outcome 2

Operate mechanical plant used in a marine or composite workplace.

Range evidence of at least four processes is required.

Performance criteria

- 2.1 Raw material is identified, inspected, and loaded in accordance with job specifications and workplace policies and procedures.
- 2.2 Production processes are carried out in accordance with job specifications and workplace policies and procedures.
- 2.3 Finished product is inspected, stored, and/or dispatched in accordance with job specifications and workplace policies and procedures.

Replacement information	This unit standard and unit standard 29237 replaced unit standard 18160.
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Planned review date	31 December 2027
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Status information and last date for assessment for superseded versions

Process	Version	Date	Last Date for Assessment
Registration	1	15 October 2015	31 December 2024
Review	2	25 August 2022	N/A

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>.

Comments on this unit standard

Please contact Hanga-Aro-Rau Manufacturing, Engineering and Logistics Workforce Development Council qualifications@hangaarorau.nz if you wish to suggest changes to the content of this unit standard.