

Title	Perform planned maintenance work on mechanical equipment		
Level	4	Credits	5

Purpose	<p>This unit standard, intended for on job assessment, is for people training in mechanical engineering plant maintenance.</p> <p>People credited with this unit standard are able to prepare for maintenance of, and maintain mechanical equipment.</p>
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Classification	Mechanical Engineering > Maintenance and Diagnostics in Mechanical Engineering
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Available grade	Achieved
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Guidance Information

- 1 Reference
Health and Safety at Work Act 2015.
- 2 Definitions
Maintenance work – scheduled maintenance activity such as servicing, alignment, adjustment, condition monitoring, leak detection, replacement of components.
Workplace procedures – procedures used by the organisation carrying out the work and applicable to the tasks being carried out. Examples are – standard operating procedures, safety procedures, equipment operating procedures, codes of practice, quality management practices and standards, procedures to comply with legislative and local body requirements.
- 3 Timeframe
All activities are expected to be completed within commercially acceptable timeframes.

Outcomes and performance criteria

Outcome 1

Prepare for maintenance of mechanical equipment.

Range three jobs.

Performance criteria

- 1.1 Normal operating performance of the equipment is determined.
 Range examples are – product quality variation, vibration, machine noise, processing time, temperature, power consumption.
- 1.2 Work is planned in accordance with maintenance requirements and workplace procedures.
 Range examples are – maintenance duration, maintenance schedule, work schedule or downtime restrictions, resources required, specialist tools.
- 1.3 Stakeholders likely to be affected by the maintenance are consulted to ensure the work is coordinated effectively.
- 1.4 Hazards are identified and managed, and, where appropriate, shutdown procedures are ascertained and initiated in accordance with workplace procedures.

Outcome 2

Maintain mechanical equipment.

Range jobs from outcome 1.

Performance criteria

- 2.1 Equipment is maintained and recommissioned in accordance with maintenance work plan.
- 2.2 Affected stakeholders are notified of the maintenance work completion.
- 2.3 Maintenance records are updated in accordance with workplace procedures.
 Range may include suggestions for improvements or modifications, future maintenance frequency adjustment.

Planned review date	31 December 2022
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Status information and last date for assessment for superseded versions

Process	Version	Date	Last Date for Assessment
Registration	1	20 June 2006	31 December 2014
Review	2	15 April 2011	31 December 2022
Review	3	17 August 2017	N/A

Consent and Moderation Requirements (CMR) reference	0013
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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 Competenz qualifications@competenz.org.nz if you wish to suggest changes to the content of this unit standard.