**Title**  
Perform planned maintenance work on mechanical equipment

<table>
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<th>Level</th>
<th>Credits</th>
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**Purpose**  
This unit standard, intended for on job assessment, is for people training in mechanical engineering plant maintenance.  
People credited with this unit standard are able to prepare for maintenance of, and maintain mechanical equipment.

**Classification**  
Mechanical Engineering > Maintenance and Diagnostics in Mechanical Engineering

**Available grade**  
Achieved

**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.

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**Planned review date**

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<tr>
<th>Process</th>
<th>Version</th>
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<th>Last Date for Assessment</th>
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<td>20 June 2006</td>
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**Status information and last date for assessment for superseded versions**

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Consent and Moderation Requirements (CMR) reference

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.