

<b>Title</b>	<b>Apply safe working practices on an engineering worksite</b>		
<b>Level</b>	<b>2</b>	<b>Credits</b>	<b>2</b>

<b>Purpose</b>	People credited with this unit standard are able to apply safe working practices in an engineering worksite.
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<b>Classification</b>	Mechanical Engineering > Engineering Core Skills
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<b>Available grade</b>	Achieved
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<b>Recommended skills and knowledge</b>	Unit standard 21911, <i>Demonstrate knowledge of safety on engineering worksites</i> , or demonstrate equivalent skills and knowledge.
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### Explanatory notes

#### 1 References

Health and Safety at Work Act 2015 and supporting regulations  
 Accident Compensation Corporation and Department of Labour. *Metal Industry Guidelines for Safe Work*. (Wellington: ACC, 2007). Available from  
[http://www.acc.co.nz/PRD\\_EXT\\_CSMP/idcplg?IdcService=GET\\_FILE&dID=3023&dDocName=PRD](http://www.acc.co.nz/PRD_EXT_CSMP/idcplg?IdcService=GET_FILE&dID=3023&dDocName=PRD).

#### 2 Definition

*Accepted industry practice* refers to approved codes of practice and standardised procedures accepted by the wider mechanical engineering industry sectors as examples of best practice.

*Engineering worksite* refers to the place work, which could be an engineering workshop building or a remote worksite.

*Safety Data Sheets (SDSs)*, formerly known as *Material Safety Data Sheets (MSDS)* refers to documents designed to protect the health and safety of people in the workplace by providing information on the hazards of substances and how they should be safely used, stored, transported and disposed of.

*Workplace procedures* refer to procedures used by the organisation carrying out the work and applicable to the tasks being carried out. They may include but are not limited to – standard operating procedures, safety procedures and guidelines, equipment operating procedures, codes of practice, quality management practices and standards, procedures to comply with legislative and local body requirements.

#### 3 Assessment information

This unit standard is intended to be assessed in the context of a commercial engineering worksite, or a realistic simulation with layout and equipment that would be found in a commercial engineering worksite.

Examples/evidence given must be within the context of mechanical engineering or fabrication and must meet applicable worksite procedures and/or accepted industry practice.

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## Outcomes and evidence requirements

### Outcome 1

Apply safe working practices on an engineering worksite.

#### Evidence requirements

- 1.1 Risks are assessed and briefly described for tasks to be carried out.
- Range risks to be assessed for a minimum of three different tasks.
- 1.2 Safe working practices are demonstrated in the use of tools and machinery, in accordance with workplace procedures or accepted industry practice.
- 1.3 Personal protective equipment is worn appropriate to the occupation and task carried out, and long hair and jewellery are safely managed in accordance with workplace procedures or accepted industry practice.
- 1.4 Orderly workshop habits are demonstrated in accordance with workplace procedures or accepted industry practice.
- Range examples of orderly workshop habits – workshop cleanliness and tidiness, avoidance of boisterous play or practical jokes in the workplace, appropriate use of electronic devices.
- 1.5 Hazardous materials are identified, stored and carried in accordance with Safety Data Sheets, workplace procedures, or accepted industry practice.
- Range examples of hazardous materials – chemicals, gas, compressed air, flammable materials, lubricants, paints, sealants, cleaning fluids, waste materials;  
evidence is required of a minimum of three hazardous materials.
- 1.6 Action to be taken in the event of fire, accident, chemical spillage, explosion, gas leak, and live electricity are explained in accordance with worksite procedures or accepted industry practice.
- 1.7 Machinery emergency shutdown procedures are described in accordance with workplace procedures or accepted industry practice.

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<b>Replacement information</b>	This unit standard and unit standard 21911 replaced unit standard 2824.
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<b>Planned review date</b>	31 December 2021
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#### Status information and last date for assessment for superseded versions

Process	Version	Date	Last Date for Assessment
Registration	1	28 June 2005	31 December 2016
Review	2	17 November 2011	31 December 2021
Review	3	15 September 2016	N/A

<b>Consent and Moderation Requirements (CMR) reference</b>	0013
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This CMR can be accessed at <http://www.nzqa.govt.nz/framework/search/index.do>.

#### Please note

Providers must be granted consent to assess against standards (accredited) by NZQA, before they can report credits from assessment against unit standards or deliver courses of study leading to that assessment.

Industry Training Organisations must be granted consent to assess against standards by NZQA before they can register credits from assessment against unit standards.

Providers and Industry Training Organisations, which have been granted consent and which are assessing against unit standards must engage with the moderation system that applies to those standards.

Requirements for consent to assess and an outline of the moderation system that applies to this standard are outlined in the Consent and Moderation Requirements (CMR). The CMR also includes useful information about special requirements for organisations wishing to develop education and training programmes, such as minimum qualifications for tutors and assessors, and special resource requirements.

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#### Comments on this unit standard

Please contact Competenz [qualifications@competenz.org.nz](mailto:qualifications@competenz.org.nz) if you wish to suggest changes to the content of this unit standard.