

Title	Demonstrate knowledge of safety procedures in a specific engineering workshop		
Level	1	Credits	2

Purpose	<p>This unit standard covers safety hazards and their management in a specific engineering workshop, and is intended mainly for use in workshops in secondary schools.</p> <p>People credited with this standard are able to demonstrate knowledge of hazards, personal safety, and safety procedures in a specific engineering workshop.</p>
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Classification	Mechanical Engineering > Mechanical Engineering Technology
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Available grade	Achieved
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Explanatory notes

1 References

Health and Safety at Work Act 2015 and supporting regulations.

Guidelines for Guarding Principles and General Safety for Machinery. Wellington: Occupational Safety and Health Service, Department of Labour, 1995. Available at: <http://www.eat.worksafe.govt.nz/worksafe/information-guidance/all-guidance-items/machinery-guidelines-for-guarding-principles-and-general-safety-for/machinery.pdf> .

Safety in Technology Education: A Guidance Manual for New Zealand Schools.

Wellington: Learning Media Limited, 2014 Available at:

<http://technology.tki.org.nz/Technology-in-the-NZC/Safety-in-Technology-Education>.

2 Assessment information

Assessor resource materials are available from Competenz by registering at

<http://www.tools4work.co.nz>. A log-in is required to access the resources.

Outcomes and evidence requirements

Outcome 1

Demonstrate knowledge of hazards in a specific engineering workshop.

Evidence requirements

- 1.1 Potential hazards that could occur in the workshop and its management plan are identified.

Range equipment, tools, machinery, electrical, chemical, fire, gas, fumes, compressed air, noise.

1.2 Hazard warning signs displayed in the workshop are identified.

Outcome 2

Demonstrate knowledge of personal safety in a specific engineering workshop.

Evidence requirements

2.1 Personal responsibilities in relation to workshop safety are identified.

2.2 Safety aspects of personal appearance are identified.

Range long hair, jewellery, loose clothing.

2.3 Items of personal protective equipment available in the workshop, and their uses, are identified.

Range examples are – covered shoes, safety glasses, ear muffs, leather gloves, welding masks, welding goggles, hard hat, breathing mask.

2.4 Orderly workshop habits are identified.

Range workshop cleanliness and tidiness, avoidance of boisterous play or practical jokes involving machinery.

Outcome 3

Demonstrate knowledge of safety procedures in a specific engineering workshop.

Evidence requirements

3.1 Workshop procedures for action in the event of accident, fire, chemical spillage, and live electricity are explained.

3.2 Items of fire fighting equipment available in the workshop, and their applications, are identified.

Planned review date	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	25 July 2006	31 December 2018
Rollover	2	17 November 2011	31 December 2018
Review	3	17 November 2016	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>.

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.

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.