

Title	Cut fabrication materials using hand held power tools		
Level	3	Credits	5

Purpose	<p>This on job unit standard is intended for people training in engineering fabrication related trades.</p> <p>People credited with this unit standard are able to cut fabrication materials using hand held power tools.</p>
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Classification	Mechanical Engineering > Engineering - Fabrication
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Available grade	Achieved
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Prerequisite	Unit 2396, <i>Demonstrate and apply knowledge of the selection, use, and care of portable hand held engineering power tools</i> , or demonstrate equivalent knowledge and skills.
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Guidance Information

- 1 Reference
Health and Safety at Work Act 2015.
- 2 Definitions
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.

Outcomes and performance criteria

Outcome 1

Cut fabrication materials using hand held power tools

Range Examples are – jig saw, sabre saw, nibbler, cut off grinder, shears, magnetic base drill, pneumatic chisel, nut splitter;
evidence is required for four different hand-held power tools.
Examples of materials are – metal sheet or plate, metal sections, plastic sheet, extrusions, pipe, bar.

Performance criteria

1.1 Workplace safety procedures are followed.

Range examples are – use of personal protective equipment, checking of equipment for faults, elimination of risk of fire or explosion, tool specific training requirements.

1.2 Tools are selected, set up, adjusted, and used in accordance with job requirements.

Range examples are – clean cuts, dimensional accuracy, correct selection of attachments.

1.3 Wastage is minimised in accordance with workplace procedures.

1.4 Tools are cleaned and stored in accordance with workplace procedures.

Range examples of cleaning and storage are – dust or swarf removal, removal or storage of job specific cutters or blades, cords coiled, battery charging, stored in correct location, tool return to store.

1.5 A tool fault is identified and reported or corrected in accordance with workplace procedures.

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 July 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.