

Title	Operate a granulator for processing scrap copper		
Level	3	Credits	4

Purpose	<p>This unit standard is for people working in the scrap metal recycling industry.</p> <p>People credited with this unit standard are able to: prepare to, and operate a granulator to process scrap copper.</p>
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Classification	Resource Recovery > Scrap Metal Recycling
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Available grade	Achieved
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Guidance Information

- 1 All work practices must comply with:
Hazardous Substances and New Organisms Act 1996;
Health and Safety at Work Act 2015;
Resource Management Act 1991.
- 2 Hazard controls, safety procedures, and personal protective equipment must be used throughout operations in accordance with company procedures.
- 3 Definition
Company procedures mean the documented methods for performing work activities and include health and safety, environmental, and quality management requirements. They may refer to manuals, codes of practice, or policy statements.

Outcomes and performance criteria

Outcome 1

Prepare to operate a granulator to process scrap copper.

Performance criteria

- 1.1 Health and safety hazards of granulating operations are identified and controlled in accordance with legislation and company procedures.
- 1.2 Adverse effects on the environment are identified and controlled in accordance with legislation and company procedures.
- 1.3 Granulator is checked for serviceability, and corrective action is taken in accordance with company procedures.

- 1.4 Copper is separated and sorted prior to granulation in accordance with company procedures.

Range separation – contaminated copper; sorting – baled, wire, item size.

- 1.5 Large items are sheared into lengths appropriate for specific granulator in accordance with company procedures.

- 1.6 Baled scrap is broken into loose streams in accordance with company procedures.

Outcome 2

Operate a granulator to process scrap copper.

Range includes but is not limited to – pipe, coated cable scrap.

Performance criteria

- 2.1 Startup and shutdown of granulator is demonstrated in accordance with operating manuals and company procedures.

- 2.2 Control ensures consistent feed into granulator in accordance with company procedures.

- 2.3 Control of granulator components ensures that separation of metal and tailings meets specified contamination range for metal.

Range components – cutters, vibrating screen, aspirator, dust extractor, air table.

- 2.4 Tailings are reprocessed and/or recycled in accordance with company procedures.

- 2.5 Routine problems with granulator operations are resolved in accordance with company procedures.

Range variations in feed, blocked screens, equipment malfunction, non-conformance of product.

This unit standard is expiring. Assessment against the standard must take place by the last date for assessment set out below.

Status information and last date for assessment for superseded versions

Process	Version	Date	Last Date for Assessment
Registration	1	26 January 2007	31 December 2025
Rollover and Revision	2	28 March 2019	31 December 2025
Review	3	27 March 2025	31 December 2025

Consent and Moderation Requirements (CMR) reference

0014

This CMR can be accessed at <http://www.nzqa.govt.nz/framework/search/index.do>.