

Title	Select and manage equipment for recovering resources from construction and demolition waste		
Level	5	Credits	30

Purpose	<p>This unit standard is for people working in the resource recovery industry.</p> <p>People credited with this unit standard are able to: assess the costs of equipment for use in recovering resources from construction and demolition waste; select equipment for purchase or hire; determine maintenance requirements for purchased equipment; and manage the use and maintenance of equipment for recovering resources from construction and demolition waste.</p>
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Classification	Resource Recovery > Resource Recovery - Construction and Demolition
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Available grade	Achieved
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Guidance Information

- References relevant to this unit standard include:
Health and Safety at Work (HSW) Act 2015;
REBRI (Resource Efficiency in the Building and Related Industries) guidelines for reducing building material wastes, available at <http://www.branz.co.nz/REBRI>;
equipment manufacturer's instructions.
- This unit standard requires assessment against three types of small equipment such as scales, personal protective equipment, hand tools, and power tools; and one item of mobile and/or heavy equipment such as front end loader, crane, sorting belt, crusher, or wire stripper. Office equipment is excluded.
- Definition
Company procedures mean the documented methods for performing work activities and include health and safety, environmental, and quality management.

Outcomes and performance criteria

Outcome 1

Assess the costs of equipment for use in recovering resources from construction and demolition waste.

Performance criteria

- 1.1 Assessment identifies nature of intended work and working conditions in accordance with company procedures.
- Range nature of work– sorting, loading, transporting; conditions – safety, indoors, outside.
- 1.2 Equipment is assessed in relation to operating costs in accordance with company procedures.
- Range operating costs may include but are not limited to – length of time equipment will be used, workload, capacity, load requirements, logistics, age, mechanical condition of equipment.
- 1.3 Assessment analyses capacity of equipment to handle anticipated materials in accordance with end-product specifications.
- Range materials – type, location, anticipated volume.
- 1.4 Assessment of mobile equipment costs determines short term and long term costs in accordance with company requirements.
- Range costs – purchase or hire, registration, road user charges (where relevant), operating costs; operating costs include but are not limited to – fuel consumption, tyres, repairs and maintenance, daily operation, hourly operation.
- 1.5 Assessment identifies the purchase costs and hire costs of the equipment in accordance with company procedures.
- Range purchase costs include but are not limited to – depreciation, insurance, finance.
- 1.6 Assessment determines storage cost of equipment ownership.

Outcome 2

Select equipment for purchase or hire.

Performance criteria

- 2.1 The selection process compares costs of equipment in accordance with company procedures.
- Range may include but is not limited to – price, terms of sale, trade-in.
- 2.2 The selection process compares equipment supplier details in accordance with company requirements.
- Range may include but is not limited to – level of service, warranty, after sales service, track record.

- 2.3 Purchase or hire agreement and delivery details are determined for selected equipment in accordance with company requirements.

Range conditions agreed to between parties;
may include but is not limited to – terms of hire, level of service, warranty.

Outcome 3

Determine maintenance requirements for purchased equipment.

Performance criteria

- 3.1 Equipment is inspected for the purpose of drawing up maintenance programmes in accordance with company procedures.
- 3.2 Servicing records, and equipment wear and tear reports, are checked for servicing intervals and maintenance requirements in accordance with company procedures.
- 3.3 Maintenance plans, including estimated costs, are drawn up in accordance with company procedures.

Range includes but is not limited to – availability of parts, automated lubrication, access to and ease of service, frequency of service periods, warranty conditions.

Outcome 4

Manage the use and maintenance of equipment for recovering resources from construction and demolition waste.

Performance criteria

- 4.1 Management ensures that personal protective equipment is used for operating and maintaining equipment in accordance with manufacturer's instructions.
- 4.2 Management ensures that operators are competent to operate the equipment in accordance with the HSW Act.
- Range competence includes but is not limited to – induction, training, licence.
- 4.3 Management ensures that equipment use and maintenance are recorded and damage is reported in accordance with company procedures.

- 4.4 Management ensures that routine servicing of equipment is carried out in accordance with manufacturer's instructions and/or company procedures.

Range servicing may include but is not limited to – cleaning, lubrication, fuel, maintaining coolant levels, regular replacement of parts such as air filters.

- 4.5 Liaison with specialist service people is established in accordance with company procedures.

Range specialist services may include but are not limited to – calibration, electrical repair, hydraulic hoses, tyres, engine repair, cooling system; requirements for – instructions, supply, timing, location, and records; may include service contracts.

Planned review date	31 December 2023
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Status information and last date for assessment for superseded versions

Process	Version	Date	Last Date for Assessment
Registration	1	25 October 2007	N/A
Rollover and Revision	2	28 March 2019	N/A

Consent and Moderation Requirements (CMR) reference	0014
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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 MITO New Zealand Incorporated info@mito.org.nz if you wish to suggest changes to the content of this unit standard.