

Title	Demonstrate knowledge of bulk earthmoving		
Level	3	Credits	4

Purpose	People credited with this unit standard are able to: describe bulk earthmoving processes and bulk earthmoving for a specified site.
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Classification	Infrastructure Works > Infrastructure Civil Works
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Available grade	Achieved
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Guidance Information

Definition

Bulk earthmoving refers to significant amounts of earth being removed, transported, and placed. Examples of undertakings involving bulk earthmoving are large subdivision development, roadway construction, and surface extraction.

Outcomes and performance criteria

Outcome 1

Describe bulk earthmoving processes.

Performance criteria

1.1 Description includes winning material for removal purposes.

Range hazards and controls, communication, order of tasks.

1.2 Description includes loading operations.

Range loading plant and capabilities, hazards and controls, communication, order of tasks, plant positioning, load rates and timing, structures to leave behind.

1.3 Description includes construction and maintenance of haul roads and areas for loading and unloading during bulk earthmoving process.

Range plant and capabilities, hazards and controls, order of tasks, soils, spreading, moisture control, compaction.

- 1.4 Description includes haulage of bulk earth.
- Range may include but is not limited to – haulage plant and capabilities, hazards and controls, communication, site road rules.
- 1.5 Description includes placement of bulk earth.
- Range dump, fill, moisture control, compaction, stockpile, hazards and controls, communication.

Outcome 2

Describe bulk earthmoving for a specified site.

Performance criteria

- 2.1 Description identifies the site layout.
- Range current, planned; may include but is not limited to – haul roads, loading areas, unloading areas.
- 2.2 Description identifies earthmoving processes for the site, and identifies the plant and/or equipment used.
- Range winning material, loading, haulage, placement.
- 2.3 Description includes company communication requirements and procedures.
- Range may include but is not limited to – warning and emergency, traffic, toolbox meetings.
- 2.4 Description identifies the site management plans and states their purpose.
- Range may include but is not limited to – contract, safety, environmental.

Replacement information	This unit standard and unit standard 20624 were replaced by unit standard 31478.
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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	25 February 2004	31 December 2014
Review	2	17 September 2010	31 December 2016
Review	3	19 February 2015	31 December 2021
Review	4	27 September 2018	31 December 2021

Consent and Moderation Requirements (CMR) reference

0101

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