

<b>Title</b>	<b>Facilitate quality outcomes in a forestry earthworks environment</b>		
<b>Level</b>	<b>4</b>	<b>Credits</b>	<b>10</b>

<b>Purpose</b>	People credited with this unit standard are able to facilitate quality outcomes in a forestry earthworks environment.
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<b>Classification</b>	Infrastructure Works > Forestry Earthworks
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<b>Available grade</b>	Achieved
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<b>Prerequisites</b>	Unit 17769, <i>Demonstrate knowledge of general health, safety, and environmental requirements in forestry</i> ; and Unit 22994, <i>Demonstrate knowledge of factors that affect the performance of forestry workers</i> , or demonstrate equivalent knowledge and skills.
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## Guidance Information

- Learning and assessment within this unit standard must be carried out in an infrastructure forestry earthworks environment and in accordance with the following legislation, guidelines, and codes of practice, as relevant to their role, and any subsequent amendments:
  - Health and Safety at Work Act 2015;
  - Resource Management Act 1991;
  - Heritage New Zealand Pouhere Taonga Act 2014;
  - Resource Management (National Environmental Standards for Plantation Forestry) Regulations 2017 User Guide (2018) (forestry earthworks regulations 22-35), available from <https://www.mpi.govt.nz/>;
  - Approved Code of Practice (ACOP) for Safety and Health in Forest Operations (2012), available from <https://www.worksafe.govt.nz/>;
  - Excavation Safety Good Practice Guidelines (2016), available from <https://worksafe.govt.nz/>;
  - Operator Safety Manual for Earthmoving Machinery 2017, available from <https://civilcontractors.co.nz/>;
  - Plantation Forestry Code of Practice Eliminating Alcohol and Other Drugs from the Workplace (2015), available from <http://www.nzfoa.org.nz/>;
  - New Zealand Forest Road Engineering Manual: Operators Guide 2020, available from <http://www.nzfoa.org.nz/>;
  - Forest Practice Guides (2020), available from <http://www.nzfoa.org.nz/>.

## 2 Definitions

*Company requirements* include the policy, procedures, and methodologies of the company. They include legislative and regulatory requirements that may apply across the company or to a specific site. Requirements are documented in the company health and safety plans, traffic management plans, contract work programmes, quality assurance programmes, policies, and procedural documents.

*Forest users* may refer to iwi, principals, employers, workers on site, people on site or passing through, landowners, harvesting contractors, or transport companies.

*Job prescriptions* are those given to the operator prior to undertaking a job. They may include site safety instructions, mapping information, contract drawings, and written memos.

*Manufacturer's instructions* may include specifications, installation, handling, use and maintenance instructions, and safety data sheets.

*Quality outcomes* may refer to health and safety, environmental, technological, economical, performance, productivity, efficiency, and service outcomes.

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## Outcomes and performance criteria

### Outcome 1

Facilitate quality outcomes in a forestry earthworks environment.

### Performance criteria

- 1.1 Quality outcomes for forestry earthworks are confirmed in terms of client specifications and job prescriptions, and in accordance with company requirements.
- 1.2 Situations where collaboration with other forest users results in modifications to work practices and techniques are discussed and resolved to facilitate quality outcomes.
- 1.3 Situations where quantities of plant, equipment, personnel, or materials require adjustments are discussed and resolved to facilitate quality outcomes.
- 1.4 Paving and surface materials are selected, prepared, sourced, or applied to new formations considering timing, use, environmental factors, facilitating quality outcomes, and in accordance with job prescriptions.
- 1.5 Forestry earthworks machinery and equipment are maintained to facilitate quality outcomes, in accordance with the operator manual, manufacturer's instructions, and company requirements.
- 1.6 Landing assessment, checklists and sign off procedures relevant to the job are completed, to meet company requirements and facilitate quality outcomes.
- 1.7 Monitoring and inspection of site works is completed to facilitate quality outcomes, in accordance with job prescriptions and company requirements.

- 1.8 Occupational health, fatigue management plans, and personal responsibilities are communicated to ensure own safety, safety of workers and other forest users on site, in accordance with job prescriptions and company requirements.
- 1.9 Recommendations for quality improvements in work practices and techniques are reported in accordance with company requirements.

<b>Planned review date</b>	31 December 2028
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#### Status information and last date for assessment for superseded versions

Process	Version	Date	Last Date for Assessment
Registration	1	1 March 2018	31 December 2025
Review	2	25 May 2023	N/A

<b>Consent and Moderation Requirements (CMR) reference</b>	0101
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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 Waihanga Ara Rau Construction and Infrastructure Workforce Development Council [qualifications@waihangaararau.nz](mailto:qualifications@waihangaararau.nz) if you wish to suggest changes to the content of this unit standard.