

Title	Carry out maintenance activities for forestry infrastructure		
Level	3	Credits	10

Purpose	People credited with this unit standard are able to: describe the purpose and key considerations for maintenance activities for forestry infrastructure; prepare to carry out maintenance activities for forestry infrastructure; maintain water and sediment control structures; and carry out other maintenance activities for forestry infrastructure.
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Classification	Infrastructure Works > Forestry Earthworks
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Available grade	Achieved
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Prerequisites	Candidates must hold a minimum of the class of licence required for the machine being operated to comply with the requirements of the Land Transport (Driver Licensing) Rule 1999.
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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 (Subpart 3 – Earthworks), available from <http://www.legislation.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://www.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 <https://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's 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.

Outcomes and performance criteria

Outcome 1

Describe the purpose and key considerations for maintenance activities for forestry infrastructure.

Performance criteria

1.1 The purpose of maintenance activities for forestry infrastructure is described.

Range includes but is not limited to – compliance, crop access, forest asset protection, traffic access, weather risks.

1.2 Key considerations for maintenance activities are described.

Range includes but is not limited to – costs, timing, other forest activities.

Outcome 2

Prepare to carry out maintenance activities for forestry infrastructure.

Performance criteria

2.1 Requirements of the job are clarified in accordance with job prescriptions and company requirements.

2.2 Health and safety measures for protection of self and other forest users are implemented in accordance with company requirements.

Outcome 3

Maintain water and sediment control structures.

Performance criteria

3.1 Location position, and alignment of water control and sediment control structures are maintained in accordance with forest user requirements and manufacturer's instructions.

Range maintenance activities may include but are not limited to – cleaning and/or clearing, preventative maintenance, repairs.

Outcome 4

Carry out other maintenance activities for forestry infrastructure.

Range contexts for maintenance activities include but are not limited to – accessibility, compliance, drainage, stability.

Performance criteria

4.1 Road surface is maintained in accordance with forest user requirements.

Range may include but is not limited to – repairing of potholes, selection of aggregate, surface preparation.

4.2 Tracks, landings, river crossings and roadside vegetation are maintained in accordance with forest user requirements.

4.3 Machinery is operated safely in accordance with company requirements and manufacturer's instructions.

4.4 Maintenance reporting is completed in accordance with company requirements.

Planned review date	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	28 September 2023	N/A

Consent and Moderation Requirements (CMR) reference	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 at qualifications@waihangaararau.nz if you wish to suggest changes to the content of this unit standard.