

Title	Install a forestry deadman		
Level	3	Credits	5

Purpose	People credited with this unit standard are able to: describe the purpose and requirements for a forestry deadman; prepare to install a forestry deadman; and install a forestry deadman.
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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, and transport companies.

Industry best practice in this context refers to requirements specified in the New Zealand Forest Road Engineering Manual: Operators Guide.

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.

Outcomes and performance criteria

Outcome 1

Describe the purpose and requirements for a forestry deadman.

Performance criteria

1.1 The purpose of a forestry deadman is described.

1.2 The requirements for a forestry deadman are described.

Range access to the site, excavation alignment, layered compaction.

Outcome 2

Prepare to install a forestry deadman.

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

2.2 Suitability of anchor and strop for installation is checked in accordance with harvesting operator's specifications and industry best practice.

2.3 Intended location, position, and alignment of the completed deadman are agreed with forest users and marked on site.

2.4 Potential risks are identified, and risk management measures specific to the installation are implemented.

Outcome 3

Install a forestry deadman.

Performance criteria

- 3.1 Excavation is constructed according to forest user and company requirements, and industry best practice.
- 3.2 Deadman is placed, backfilled, compacted, and stabilised according to industry best practice.
- Range clearly visible stop, liquefaction mitigation, drainage management.
- 3.3 Health and safety practices for deadman installation are followed according to forest user and company requirements.
- 3.4 Machinery is operated safely in accordance with company requirements and manufacturer's instructions.

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.