

Title	Construct forestry roads, tracks, and landings		
Level	3	Credits	15

Purpose	People credited with this unit standard are able to construct forestry roads, tracks, and landings.
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Classification	Infrastructure Works > Infrastructure Works Utilities
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Available grade	Achieved
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Entry information	
Critical health and safety prerequisites	Candidates must hold a minimum of the class of licence required for the vehicle being driven and comply with the requirements of the Land Transport (Driver Licensing) Rule 1999.

Explanatory notes

- 1 The following legislation and regulations must be complied with:
Health and Safety in Employment Act 1992;
Health and Safety in Employment Regulations 1995;
Resource Management Act 1991;
Heritage New Zealand Pouhere Taonga Act 2014;
Operator Safety Manual for Earthmoving Machinery, available from the Infrastructure ITO at: <http://www.connexis.org.nz/>;
RMA Guide (Green Book), available from the Infrastructure ITO at: <http://www.connexis.org.nz/>;
Part One of the *New Zealand Environmental Code of Practice for Plantation Forestry – Best Environmental Management Practices*, Version 1, New Zealand Forest Owners Association, available at: <http://www.competenz.org.nz/>;
Forest Operations – Approved Code of Practice, Occupational Safety and Health Service, 1999, Department of Labour, Wellington, available from <http://www.business.govt.nz>.
- 2 References
Best Practice Guidelines for Road and Landing Construction, current edition, FITEC; and
Best Practice Guidelines for Temporary Traffic Control on Private Forestry Roads, August 2007, FITEC. Both available at <http://www.competenz.org.nz>.
- 3 Assessment against this unit standard must take place in a workplace environment. Assessment parameters will depend on company and site specific equipment,

procedures, and practices. Practices must reflect industry best practice and comply with legislative requirements.

4 Definitions

Company requirements include the policy, procedures, and methodologies of the company. They include legislative and regulatory requirements applicable to the company or 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.

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

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

R/T refers to radio telephone.

Outcomes and evidence requirements

Outcome 1

Prepare for construction of forestry roads, tracks, and landings.

Evidence requirements

1.1 Preparation includes clarifying the job in accordance with company requirements.

Range job prescription, plant, materials, personnel;
may include but is not limited to – consents, site visit or visits.

1.2 Preparation includes health and safety measures in accordance with company requirements.

Range personal protective equipment, hazard identification and control;
may include but is not limited to – signage, traffic management,
R/T.

Outcome 2

Construct forestry roads, tracks, and landings.

Evidence requirements

2.1 Site is cleared in accordance with job instructions.

Range may include but is not limited to -- stripping, placement of stumps,
slash.

2.2 Forestry roads, tracks, and landings are shaped in accordance with job instructions and company requirements.

Range may include but is not limited to – dimensions, gradient, corner formation, benching, batter slope.

2.3 Drainage is installed in accordance with job instructions and company requirements.

Range culvert, water tables;
may include bunding.

2.4 Construction materials are placed and compacted in accordance with job instructions and company requirements.

Range corner formation, spreading, compaction.

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

Planned review date	31 December 2019
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Status information and last date for assessment for superseded versions

Process	Version	Date	Last Date for Assessment
Registration	1	23 November 2003	31 December 2014
Review	2	17 September 2010	31 December 2016
Review	3	19 February 2015	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>.

Please note

Providers must be granted consent to assess against standards (accredited) by NZQA, before they can report credits from assessment against unit standards or deliver courses of study leading to that assessment.

Industry Training Organisations must be granted consent to assess against standards by NZQA before they can register credits from assessment against unit standards.

Providers and Industry Training Organisations, which have been granted consent and which are assessing against unit standards must engage with the moderation system that applies to those standards.

Requirements for consent to assess and an outline of the moderation system that applies to this standard are outlined in the Consent and Moderation Requirements (CMRs). The CMR also includes useful information about special requirements for organisations wishing to develop education and training programmes, such as minimum qualifications for tutors and assessors, and special resource requirements.

Comments on this unit standard

Please contact the Infrastructure ITO qualifications@infrastructureito.org.nz if you wish to suggest changes to the content of this unit standard.