

Title	Demonstrate knowledge of factors that affect the quality of commercial forestry operations		
Level	3	Credits	5

Purpose	<p>This unit standard is intended for people employed in a forestry operation.</p> <p>People credited with this unit standard are able to: demonstrate knowledge of quality control in forestry operations; describe the factors that impact on the efficiency of a forest operation; and describe the effect of personal performance on productivity and product quality.</p>
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Classification	Forestry > Forest Operations
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Available grade	Achieved
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Guidance Information

- 1 This unit standard must be assessed against on-job.
- 2 The quality of an operation is assessed on factors such as overall efficiency, financial efficiency, waste minimisation, time management, resource management, output quality, level of re-work required, safety record, and teamwork demonstrated.
- 3 Definitions

Forestry operations include forest establishment, silviculture, harvesting, forest inventory, and forest and crew management.

Job prescription refers to any written instructions for the operation and may include maps, harvest plans or cutting plans.

Worksite procedures refer to documented procedures used by the organisation carrying out the work and applicable to the tasks being carried out. They may include but are not limited to – standard operating procedures, site safety procedures, equipment operating procedures, quality assurance procedures, housekeeping standards, procedures to comply with legislative and local body requirements.

Outcomes and performance criteria

Outcome 1

Demonstrate knowledge of quality control in forestry operations.

Performance criteria

- 1.1 Forestry operations are described and factors that improve quality within each operation are identified.
- Range forestry operations – establishment, silviculture, harvesting.
- 1.2 Quality control is explained in terms of job prescriptions.
- 1.3 The importance of regular quality control to the operation the candidate is involved with is described.
- Range production, rework time, contract stability, crew morale, value, safety, fatigue.
- 1.4 Methods used to measure quality in the operation the candidate is involved with are described.
- Range sampling type, equipment, job prescription requirements.

Outcome 2

Describe the factors that impact on the efficiency of a forestry operation.

Performance criteria

- 2.1 Operational planning in relation to the quality of the operation is described in accordance with worksite procedures.
- Range identification of bottlenecks, management of people and equipment, compliance requirements.
- 2.2 The importance of personal time management and crew time management is described in terms of its impact on the operation.
- 2.3 The impact of training on operational efficiency is described in terms of productivity, quality, and health and safety.
- 2.4 The impact of operational efficiency on the overall quality and profitability of the operation is described.
- Range plant, equipment, labour.

Outcome 3

Describe the effect of personal performance on productivity and product quality.

Performance criteria

- 3.1 The effect of personal time management on own productivity is described.
- Range includes but is not limited to – start time, breaks, finish time, distractions from personal life.
- 3.2 The effectiveness of personal performance is described in terms of product quality.
- 3.3 The impact of personal performance on downstream operations is described.
- 3.4 Methods to improve personal performance are described.
- Range time management, quality management, management of distractions from personal life.
- 3.5 The effect of training on personal performance is described.

Planned review date	31 December 2024
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Status information and last date for assessment for superseded versions

Process	Version	Date	Last Date for Assessment
Registration	1	22 May 2008	31 December 2012
Revision	2	16 July 2010	31 December 2016
Review	3	19 March 2015	31 December 2017
Review	4	10 December 2015	N/A
Review	5	27 February 2020	N/A

Consent and Moderation Requirements (CMR) reference	0173
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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 Competenz qualifications@competenz.org.nz if you wish to suggest changes to the content of this unit standard.