

<b>Title</b>	<b>Carry out quality control of logs on a landing</b>		
<b>Level</b>	<b>3</b>	<b>Credits</b>	<b>10</b>

<b>Purpose</b>	<p>This unit standard is intended for people employed in a quality control role in a forest harvesting operation. The quality control role is one of assisting in log making around the landing.</p> <p>People credited with this unit standard are able to: demonstrate knowledge of quality control of logs on a landing; demonstrate knowledge of preparing for quality control logs on a landing; and carry out quality control of logs on a landing.</p>
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<b>Classification</b>	Forestry > Forest Landing Operations
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<b>Available grade</b>	Achieved
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## Guidance Information

- 1 Legislation relevant to this unit standard includes the Health and Safety at Work (HSW) Act 2015; the Resource Management (National Environmental Standards for Plantation Forestry) Amendment Regulations 2018; and any subsequent amendments.
- 2 References  
*Approved Code of Practice (ACOP) for Safety and Health in Forestry Operations*, December 2012, available from <https://worksafe.govt.nz/>.  
 New Zealand Forest Owners Association, *Forest Practice Guides* (2019), and any subsequent amendments, available from <https://www.nzfoa.org.nz>.
- 3 Definitions  
*Accepted industry practice* refers to approved codes of practice and standardised procedures accepted by the wider forestry industry as examples of best practice.  
*Cutting instruction* refers to a list of log grades to be cut showing priorities, lengths, diameters, defects not allowed, etc. This is used by the log maker to optimise log value recovered from a stem.  
*Log specification manual* refers to a book produced by the forest owner or manager detailing their specific log grades, including all associated log attributes and defects.  
*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.

#### 4 Assessment information

This unit standard must be assessed on-job.

All activities and evidence must meet worksite procedures and accepted industry practice.

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## Outcomes and performance criteria

### Outcome 1

Demonstrate knowledge of quality control of logs on a landing.

#### Performance criteria

- 1.1 The purpose of carrying out quality control of logs on a landing is explained.
- 1.2 Three key outcomes of logs not meeting specification are explained.
- 1.3 Log stacking requirements for the operation are described in accordance with the log specification manual or cutting instruction.  
  
Range export logs, domestic logs, pulp logs.
- 1.4 Log branding requirements for the operation are described in accordance with the log specification manual or cutting instruction.  
  
Range export logs, domestic logs, pulp logs.
- 1.5 Two procedures for dealing with out of specification logs are described.

### Outcome 2

Demonstrate knowledge of preparing for quality control logs on a landing.

#### Performance criteria

- 2.1 The hazards and associated risks specific to landing operations are identified and control measures are explained.  
  
Range may include but is not limited to – movement of logs, movement of machines, tripping or slipping, proximity of workers, ropes, chainsaw use, weather; evidence of five landing hazards is required.
- 2.2 The reason for on-going hazard and risk identification is explained.
- 2.3 Factors that may change hazards or introduce new hazards or risks are described.  
  
Range weather, change of location, change of landing layout.
- 2.4 The process for ensuring quality control tools are performing accurate measurements is explained.

- 2.5 The process of calibrating quality control tools used is demonstrated.
- Range loggers tape, small end diameter (SED) tape, length pole, callipers.
- 2.6 Documentation required to carry out quality control operation is identified.
- Range may include but is not limited to – log specification manual, cutting instruction, cut plan.
- 2.7 Key information found on a cutting instruction that impact in terms of quality control is listed.
- 2.8 Communication requirements for changes to cutting instructions are explained.

### Outcome 3

Carry out quality control of logs on a landing.

#### Performance criteria

- 3.1 A minimum of 100 logs are quality checked in accordance with the cutting instructions.
- 3.2 Any out of specification logs are regraded in accordance with cutting instruction.
- 3.3 Log attributes are identified and accurately measured in accordance with log specification manual.
- Range log attributes may include – knots, knot size, draw wood, diameter, length, splits, shatter, slabbing, machine or saw damage, nodal swelling, out of round, off centre pith, spike knots, sweep, wobble, fluting; evidence of ten log attributes is required.
- 3.4 Log ends are branded in accordance with the cutting instruction and log specification manual.
- 3.5 The process for identifying and removing reject logs in log stacks is explained and demonstrated.

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<b>Planned review date</b>	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 2009	31 December 2012
Revision	2	16 July 2010	31 December 2016
Review	3	19 March 2015	N/A
Review	4	25 June 2020	N/A

**Consent and Moderation Requirements (CMR) reference**

0173

This CMR can be accessed at <http://www.nzqa.govt.nz/framework/search/index.do>.

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**Comments on this unit standard**

Please contact Competenz [qualifications@competenz.org.nz](mailto:qualifications@competenz.org.nz) if you wish to suggest changes to the content of this unit standard.