

<b>Title</b>	<b>Demonstrate knowledge of forestry landing management</b>		
<b>Level</b>	<b>4</b>	<b>Credits</b>	<b>10</b>

<b>Purpose</b>	<p>The unit standard is intended for personnel employed in a commercial forest landing operation with responsibility for assisting with the management of landing operations, or for those with sufficient knowledge and experience to contribute to daily landing management duties. Daily management duties may include directing landing traffic, landing maintenance, machine maintenance, log stack positioning, quality checks, and supervision of new staff.</p> <p>People credited with this unit standard are able to demonstrate knowledge of: a work-flow plan and work-flow for landing operations; a log making work station on a landing; the landing workforce; quality control in a landing operation; and environmental standards and procedures for a landing operation.</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.  
*Job prescription* refers to any written instructions for the operation and may include maps, harvest plans or cut 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.

#### 4 Assessment information

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 a work-flow plan and work-flow for landing operations.

#### Performance criteria

- 1.1 The purpose of a work-flow plan for landing operations is described.
- 1.2 Resources that need to be considered when developing a work-flow plan are described in terms of their impact on work-flow on a landing.
- 1.3 Factors that may affect the positioning of a log chute entry to the landing are described.
- 1.4 Factors affecting the positioning of log stacks and load out requirements on a landing are described.
- 1.5 Requirements of a safe working zone for log processing are described.
- 1.6 Factors affecting the location of parking areas, rest and refreshment facilities, and areas for refuelling and servicing machinery are described.
- 1.7 A specific landing site is examined and the best positions for resources and work areas are identified.  
  
Range log chute entry, log stacks, log processing area, parking area, rest and refreshment areas, refuelling areas, servicing areas.

### Outcome 2

Demonstrate knowledge of a log making work station on a landing.

#### Performance criteria

- 2.1 Requirements for setting out cross-cutting bed runners are described.

- 2.2 The hazards and associated risks present on a landing are identified, and a control measure for each risk is stated.

Range stem or log movement, machines on the landing, other workers, ground conditions (underfoot conditions), moving ropes, chainsaw use, chainshot, log trucks.

### Outcome 3

Demonstrate knowledge of the landing workforce.

#### Performance criteria

- 3.1 Activities that take place on the landing are described in terms of the skill requirements of the person undertaking the activity.
- 3.2 Landing workforce training and supervisory requirements are described.
- 3.3 Communication requirements for a landing are described.

### Outcome 4

Demonstrate knowledge of quality control in a landing operation.

#### Performance criteria

- 4.1 The importance of calibrating log-measuring equipment is explained.
- 4.2 Branding and stacking requirements for an operation are described.
- 4.3 The purpose of continuously checking against log specifications is described.
- 4.4 Procedures for dealing with out-of-specification logs are described.

### Outcome 5

Demonstrate knowledge of environmental standards and procedures for a landing operation.

#### Performance criteria

- 5.1 Environmental requirements for a landing operation are explained in accordance with the job prescription.
- Range waste oil, discarded ropes, replaced machine parts, logging debris, water management, off cuts, rejects.
- 5.2 Procedures for dealing with spills, leaks, or fire involving a hazardous substance are explained.
- 5.3 Agencies with legal jurisdiction that may require notification in the event of an environmental incident are identified.

<b>Planned review date</b>	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	22 May 2008	31 December 2016
Review	2	19 March 2015	N/A
Review	3	25 June 2020	N/A
Rollover	4	26 April 2024	N/A

<b>Consent and Moderation Requirements (CMR) reference</b>	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 Muka Tangata - People, Food and Fibre Workforce Development Council [qualifications@mukatangata.nz](mailto:qualifications@mukatangata.nz) if you wish to suggest changes to the content of this unit standard.