

<b>Title</b>	<b>Plan for, manage, and perform quality control on an establishment or silviculture operation</b>		
<b>Level</b>	<b>5</b>	<b>Credits</b>	<b>15</b>

<b>Purpose</b>	<p>This unit standard is intended for crew foremen or operational managers working within contracting companies managing forest establishment or silvicultural operations in commercial forest plantations.</p> <p>People credited with this unit standard are able to: interpret the job prescription and identify requirements; develop an operational plan for an establishment or silviculture operation; manage an establishment or silviculture operation; and perform quality control on an establishment or silviculture operation.</p>
----------------	-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

<b>Classification</b>	Forestry > Forest Operations Management
-----------------------	-----------------------------------------

<b>Available grade</b>	Achieved
------------------------	----------

### Guidance Information

- 1 Legislation relevant to this unit standard includes the: Health and Safety at Work (HSW) Act 2015, Resource Management Act 1991; the Resource Management (National Environmental Standards for Plantation Forestry) Amendment Regulations 2018; and the Heritage New Zealand Pouhere Taonga Act 2014, and any subsequent amendments.
- 2 References  
New Zealand Forest Owners Association, *Forest Practice Guides (2019)*, and any subsequent amendments, available from <http://www.nzfoa.org.nz>  
*Approved Code of Practice (ACOP) for Safety and Health in Forestry Operations*, December 2012, available from <http://www.worksafe.govt.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* is a document usually supplied by the forest manager detailing the requirements for the job. It will include stand details, operational requirements, quality standards, health and safety and environmental requirements for the stand.  
*Operational plan* is the plan developed by the contractor. It details the way the contractor will work the stand to meet their production and quality targets while complying with the requirements of the forest manager.  
*Stand* is a commonly used term in forestry. It describes an area containing trees that are the same species and were planted at the same time for the purpose of harvesting.

*Stand map* is a map of a block of trees that are similar or the same in age and species.

*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 performance criteria must meet the worksite procedures and accepted industry practice.

---

## Outcomes and performance criteria

### Outcome 1

Interpret the job prescription and identify requirements.

#### Performance criteria

- 1.1 Work to be undertaken is identified from the job prescription.
- 1.2 Boundaries of the operational area are identified from the job prescription.
- 1.3 Natural features of the area are identified and any relevant features missing from the stand map are marked.
- 1.4 Physical structures and cultural features of the area are identified and any relevant structures and features missing from the stand map are marked.
- 1.5 Operational constraints are identified from the job prescription.  
Range equipment, environmental, manpower.

### Outcome 2

Develop an operational plan for an establishment or silviculture operation.

#### Performance criteria

- 2.1 Production requirements of the operation are determined from the job prescription.
- 2.2 Resources required to meet production requirements are determined.  
Range must include – manpower, equipment;  
may include – machinery, chemical.

2.3 An operational plan that meets the requirements of the job prescription is developed.

Range operational area, hazard identification and risk control, communication, environmental management, quality control requirements.

### Outcome 3

Manage an establishment or silviculture operation.

#### Performance criteria

3.1 The operational plan including safety, environmental, production and quality requirements, is communicated to the crew in a pre-start meeting.

3.2 The identified resources are managed to meet the operational plan.

3.3 Daily production is measured against the operational plan and any production shortfalls are identified and managed.

3.4 All hazards are identified, and associated risk controls are implemented, before and during operation.

3.5 Environmental standards are maintained in accordance with the operational plan, job prescription and Forest Practice Guides.

Range may include but is not limited to – protection of waterways, boundaries, riparian strips, cultural sites, other environmentally significant areas.

### Outcome 4

Perform quality control on an establishment or silviculture operation.

#### Performance criteria

4.1 Quality control is carried out and the quality requirements of the job prescription are met.

4.2 Results of the quality control activities are recorded and communicated to the crew and other interested parties.

Range other interested parties may include but are not limited to – supervisor, contractor, forest owner.

4.3 Strategies for correcting health and safety and quality issues are identified, and their application described in accordance with the job prescription.

Range strategies may include but are not limited to – training, incentives, penalties; evidence of at least three strategies is required.

<b>Planned review date</b>	31 December 2028
----------------------------	------------------

#### Status information and last date for assessment for superseded versions

Process	Version	Date	Last Date for Assessment
Registration	1	18 February 2011	31 December 2017
Review	2	10 December 2015	N/A
Review	3	23 July 2020	N/A
Rollover	4	26 April 2024	N/A

<b>Consent and Moderation Requirements (CMR) reference</b>	0173
------------------------------------------------------------	------

This AMAP 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.