

**Field      Agriculture, Forestry and Fisheries****Review of *Forestry* unit standards**

<b>Subfield</b>	<b>Domain</b>	<b>ID</b>
Forestry	Forest Foundation Skills	17769, 22994, 22995, 22997-22999, 23001
	Forest Harvesting Operations	1230, 6920, 22132
	Forest Landing Operations	1252, 1254, 6924, 24588, 25787
	Forest Mechanised Harvesting	6941, 6943-6948
	Forest Operations	1221, 6916, 17772, 23411, 24574, 24575, 25788
	Forest Operations Advanced	1224, 6964, 24571, 24572, 24577
	Forest Silvicultural Operations	1243, 1245, 1247, 6950-6952, 6972, 6973, 17767, 23098
	Forestry - Breaking Out	1231, 1256, 1258, 6939, 24567
	Machine Operations - Forestry	6926, 6928, 6930, 6931, 6932, 6934-6936, 27628
	Non Commercial Forestry Skills	6917
	Tree Felling	1270, 17763, 17765, 17766, 24569, 24570, 25952

Competenz has completed the review of the unit standards listed above.

**Date new versions published**

**19 March 2015**

**Planned review date**

**31 December 2020**

**Summary**

This review was prompted by the Targeted Review of Qualifications for Forestry. Industry subject matter experts were consulted on the changes made to the unit standards, including the amendments to levels and credits. The changes were made to better reflect the requirements of the outcomes listed in the new qualifications.

The review did not include other standards within these domains. These will be reviewed later when resources and time are available for their review.

During the review, industry identified any gaps in knowledge and application of skills in relation to tree felling, and planning and undertaking safe working practices. Following extensive consultation and consideration of feedback from industry experts and users of the standards, new standards were developed.

The Sector Advisory Group has endorsed the changes made to the standards, the

replacement of standard 17765, and the development of standards 28559-28562.

### Main changes

- Explanatory notes have been updated for consistency with other standards in these domains and to ensure the currency of references.
- Outcomes and evidence requirements have been updated to ensure they are fit for purpose and to align with amendments to the explanatory notes.
- Standard 17765 has been replaced by new standard 28561.
- New standards 28559, 28560, and 28562 have been listed.
- Levels have been increased or decreased for 11 standards to ensure best alignment with the NZQA level descriptors.
- The credits for 36 standards have been increased or decreased to ensure they reflect the time: spent learning; taken to practise the required outcomes so that performance is repeatable and to the required standard; to gather and provide evidence for assessment purposes; and for assessment to take place in the specified contexts.
- The titles of six standards have been amended.
- The entry information has been removed from, or updated in, 25 standards to ensure they are fit for purpose.
- Reference to 'Approved Code of Practice' and 'Best Practice Guidelines' have been removed from the unit standards. They have been replaced with the more generic statements used by Competenz to encompass enterprise specific and industry wide standards (with some modification for forestry). The exception to this is standard 17769 which still has reference to the Approved Code of Practice for Safety and Health in Forest Operations 2012.
- A last date for assessment of superseded versions has been specified. Results will not be accepted where the assessment date is after the last date for assessment of the superseded versions of these standards.

**The category C unit standard will expire at the end of December 2016**

**The last date for assessment of superseded versions of Category B unit standards is at the end of December 2016**

### Impact on existing organisations with consent to assess

Current consent for			Consent extended to		
Nature of consent	Classification or ID	Level	Nature of consent	Classification or ID	Level
Domain	Forest Mechanised Harvesting	3	Standard	6946	4
Domain	Machine Operations - Forestry	3	Standards	6928, 6930, 6934-6936	4
Standard	17765	4	Standard	28561	4

### Impact on registered qualifications

Key to type of impact	
<b>Affected</b>	The qualification lists a reviewed classification (domain or subfield) in an elective set The qualification lists a standard that has changes to level or credits

	The qualification lists a C or D category standard
<b>Not materially affected</b>	The qualification lists a standard that has a new title The qualification lists a standard that has a new classification

The following Competenz qualifications are impacted by the outcome of this review. These qualifications are part of the current sector review of Forestry qualifications that began in 2012. The standards that generated the status *Affected* are listed in **bold**.

Ref	Qualification Title	Classification or ID
0908	National Certificate in Forest Produce Inspection	6916
1066	National Certificate in Forestry (Mechanical Land Preparation) (Level 4)	<b>1221, 1224, 17769, 17772</b>

The following table identifies qualifications developed by other SSBs that are impacted by the outcome of this review. The SSBs have been advised that the qualifications require revision. The standards that generated the status *Affected* are listed in **bold**.

Ref	Qualification Title	Classification or ID	SSB Name
0857	National Certificate in Electricity Supply (Vegetation Control) (Level 3)	6916	Infrastructure ITO
0858	National Certificate in Electricity Supply (Vegetation Control) (Level 4)	<b>17765</b>	
1083	National Certificate in Infrastructure Works (Forestry Earthworks) with strands in Bulldozer, Hydraulic Excavator, and Motor Grader	<b>17769</b>	
1369	National Certificate in Electricity Supply (Line Mechanic Distribution) (Level 3)	6916	
1660	National Certificate in Infrastructure Works (Level 2) with optional strands in Earthworks, Pavement Surfacing, Roads, Rural Contracting, and Utilities	<b>17769</b>	
0934	National Certificate in Stevedoring and Ports Industry (Log Handling and Ship Loading) (Level 3)	<b>1254, 6916, 6930</b>	
1464	National Certificate in Transportation of Logs by Road	<b>6926, 6928, 6930, 6935, 17769</b>	
1138	National Certificate in Pest Management with strands in Avian Pest Control, Mustelid Pest Control, Possum Pest Control, Rabbit Pest Control, and Rodent Pest Control	<b>17769</b>	Primary Industry Training Organisation
1224	National Certificate in Pest Monitoring (Possum Monitoring - Field Operative) (Level 3)	<b>17769</b>	
1468	National Certificate in Agriculture (General Skills)	6916	
1509	National Certificate in Farming Skills (Work Ready) (Level 3)	6916	
1475	National Certificate in Parks and Reserves (Park Ranger) (Level 3)	6916, <b>17763</b>	Skills Active Aotearoa Limited

## Detailed list of unit standards – classification, title, level, and credits

All changes are in **bold**.

Key to review category	
<b>A</b>	Dates changed, but no other changes are made - the new version of the standard carries the same ID and a new version number
<b>B</b>	Changes made, but the overall outcome remains the same - the new version of the standard carries the same ID and a new version number
<b>C</b>	Major changes that necessitate the registration of a replacement standard with a new ID
<b>D</b>	Standard will expire and not be replaced

### Agriculture, Forestry and Fisheries > Forestry > Forest Foundation Skills

ID	Title	Level	Credit	Review Category
17769	Demonstrate knowledge of general health, safety, and environmental requirements in forestry	2	6 <b>5</b>	B
22994	Demonstrate knowledge of factors that affect the performance of forestry workers	2	10	B
22995	Demonstrate knowledge of employment relationships, and work collaboratively in a forestry operation <b>Demonstrate knowledge of employment in a forestry operation</b>	2	5	B
22997	Demonstrate knowledge of principles of commercial forestry	2	5	B
22998	Demonstrate forestry foundation skills under supervision for pruning plantation trees	2	10	B
22999	Demonstrate forestry foundation skills under supervision for landing operations	2	10	B
23001	Demonstrate forestry foundation skills under supervision for breaking out for plantation forestry	2	10	B

### Agriculture, Forestry and Fisheries > Forestry > Forest Harvesting Operations

ID	Title	Level	Credit	Review Category
1230	Trim felled trees for extraction in a commercial forest operation <b>Trim felled trees for extraction in a forest harvesting operation</b>	3	6 <b>5</b>	B
6920	Demonstrate knowledge of cable harvesting operations	3	8	B
22132	Carry out the functions of the poleman on a cable harvesting landing	3	8 <b>10</b>	B

### Agriculture, Forestry and Fisheries > Forestry > Forest Landing Operations

ID	Title	Level	Credit	Review Category
1252	Demonstrate knowledge of log making	3	5	B

ID	Title	Level	Credit	Review Category
1254	Mark logs to optimise value	4	12 10	B
6924	Process tree stems on a landing	3	8 10	B
24588	Demonstrate knowledge of forestry landing management	4	8 10	B
25787	Carry out quality control of logs on a landing	3	8 10	B

## Agriculture, Forestry and Fisheries &gt; Forestry &gt; Forest Mechanised Harvesting

ID	Title	Level	Credit	Review Category
6941	Demonstrate knowledge of forest mechanised harvesting and processing	3	5	B
6943	Delimb tree lengths using a mechanised delimber	4	12 10	B
6944	Make logs using a mechanised processing machine	4	18	B
6945	Fell trees using a mechanised harvesting machine	4	20	B
6946	Operate a forwarder in a forestry situation <b>Operate a forwarder in a forest harvesting operation</b>	3 4	10 5	B
6947	Bunch tree lengths for extraction or processing	4	10	B
6948	Delimb stems using a static delimber	4	8	B

## Agriculture, Forestry and Fisheries &gt; Forestry &gt; Forest Operations

ID	Title	Level	Credit	Review Category
1221	Explain and interpret job prescriptions for forestry operations	3	4 5	B
6916	Demonstrate knowledge of the Approved Code of Practice relating to chainsaw use <b>Demonstrate knowledge of the rules relating to chainsaw use</b>	2	5	B
17772	Demonstrate knowledge of environmental requirements in forestry operations	3	6 5	B
23411	Operate a chainsaw and carry out basic chainsaw maintenance in a commercial forestry situation	3	12	B
24574	Demonstrate knowledge of, and contribute to, worksite health and safety for commercial forestry operations	3	3 5	B
24575	Demonstrate knowledge of factors that affect the quality of commercial forestry operations	3	4 5	B
25788	Demonstrate knowledge of, implement, and audit temporary traffic control on private forest roads	3	6 5	B

## Agriculture, Forestry and Fisheries &gt; Forestry &gt; Forest Operations Advanced

ID	Title	Level	Credit	Review Category
1224	Use prescription maps for forestry operations	4 3	4 5	B
6964	Apply environmental management to harvesting trees	4	10	B
24571	Demonstrate knowledge of internal and external customer needs within a commercial forestry operation	4	4 5	B
24572	Manage a forestry accident site in a simulated situation	4	7 10	B
24577	Demonstrate knowledge of health and safety management in a commercial forestry operation	4	6 10	B
<b>28559</b>	<b>Plan for and undertake safe behaviour observations in a forest operation</b>	<b>4</b>	<b>10</b>	<b>New</b>

## Agriculture, Forestry and Fisheries &gt; Forestry &gt; Forest Silvicultural Operations

ID	Title	Level	Credit	Review Category
1243	Prune plantation trees from the ground	3	10	B
1245	Prune plantation trees from off the ground	3	12 10	B
1247	Thin plantation trees, under 200mm stump diameter, to waste	3	12 10	B
6950	Demonstrate knowledge of thinning plantation trees and equipment used	3	3 5	B
6951	Demonstrate knowledge of selecting plantation trees	2	4 5	B
6952	Select plantation trees for a forest crop	3	5	B
6972	Prune plantation trees with a chainsaw from off the ground	4 3	12 10	B
6973	Prune plantation trees with a chainsaw from the ground	4 3	8 10	B
17767	Thin plantation trees, over 200mm stump diameter, to waste	4 3	8 10	B
23098	Ultra-high prune plantation trees	4	10	B

## Agriculture, Forestry and Fisheries &gt; Forestry &gt; Forestry - Breaking Out

ID	Title	Level	Credit	Review Category
1231	Prepare wire ropes for forest harvesting operations	3	10	B
1256	Demonstrate knowledge of ground based log extraction	3	4 5	B
1258	Coordinate breaking-out for a cable harvesting operation	4	12	B
6939	Break out for ground based forest harvesting operations	3	6 10	B
24567	Plan and carry out breaking out and assist in lineshifts for a cable harvesting operation	3	8 10	B

## Agriculture, Forestry and Fisheries &gt; Forestry &gt; Machine Operations - Forestry

ID	Title	Level	Credit	Review Category
6926	Demonstrate knowledge of the log loading process	3	4 5	B
6928	Operate a Bell machine in a forest or log yard situation <b>Operate a Bell machine in a forest or a log yard</b>	3 4	10 5	B
6930	Operate a forked loader in a forestry or log yard situation <b>Operate a forked loader in a forest or a log yard</b>	3 4	10 5	B
6931	Fleet, sort, and stack logs	4	15	B
6932	Load a logging truck and/or trailer	4	15	B
6934	Operate a skidder in a forestry situation	3 4	10 5	B
6935	Operate an excavator based tracked machine in a forestry situation	3 4	10 5	B
6936	Operate a tracked machine in a forestry situation	3 4	10 5	B
27628	Extract stems using a ground based machine	4	20	B

## Agriculture, Forestry and Fisheries &gt; Forestry &gt; Non Commercial Forestry Skills

ID	Title	Level	Credit	Review Category
6917	Demonstrate basic chainsaw operation	2	8	B

## Agriculture, Forestry and Fisheries &gt; Forestry &gt; Tree Felling

ID	Title	Level	Credit	Review Category
1270	Salvage windthrown trees	4	12	B
17763	Demonstrate knowledge of tree felling	3	6 5	B
17765	Fell trees in a commercial forest harvesting operation	4	20	C
<b>28561</b>	<b>Plan and fell trees using advanced techniques in a commercial forest harvesting operation</b>	<b>4</b>	<b>25</b>	
17766	Fell trees safely using a chainsaw	3	10	B
24569	Fell trees using machine pushing assistance	4	6 5	B
24570	Fell trees using back-pulling machine assistance	4	6	B
25952	Thin plantation trees for extraction	4 3	10	B
<b>28560</b>	<b>Fell trees in a commercial forest harvesting operation</b>	<b>3</b>	<b>10</b>	<b>New</b>
<b>28562</b>	<b>Fell and/or clear hazardous trees</b>	<b>3</b>	<b>15</b>	<b>New</b>