

FIELD AGRICULTURE, FORESTRY AND FISHERIES**Review of *Forestry* unit standards**

This review report was first published in May 2008 and republished in July 2008, following a request to correct some errors in the **Impact on Existing Provider Accreditations** table. Organisations have now been granted the correct extensions of accreditation.

NB Organisations that were granted accreditation for unit standard 6930 in error will have the standard removed from their accreditation scope.

Subfield	Domain	Id
Forestry	Chainsaw Operating	43, 6917, 6919
	Forest Cable Harvesting	1258, 1262, 1266, 1267, 1268, 1269, 6920, 6921, 6969, 17764, 17771, 22132
	Forest Establishment	1232, 1234, 1235, 1236, 1237, 1238, 1239, 1240, 6923, 19767
	Forest Harvesting – General	1230, 1231, 1250, 1256, 6926, 6927, 6928, 6929, 6930, 6931, 6932, 6934, 6935, 6936, 6937, 6938, 6939, 6970, 17758
	Forest Harvesting Operations	6933
	Forest Health Surveillance	18615
	Forest Landing Operations	6916, 23411
	Forest Mechanised Harvesting	6941, 6942, 6943, 6944, 6945, 6946, 6947, 6948, 6968, 17240
	Forest Mensuration	1221, 1224, 6957, 6958, 17770
	Forest Operations Advanced	23097
	Forest Silvicultural Operations	23098
	Forest Silviculture	1243, 1244, 1245, 1246, 1247, 1248, 6949, 6950, 6951, 6952, 6972, 6973, 7572, 17767
	Forestry Business Management	19954
	Forestry Knowledge	1227, 1241, 13108, 13109, 17757, 17760, 17761, 17769
	Forestry Operations	6964, 17772, 17773, 19716
Log Making	1252, 1254, 6918, 6924, 16842, 17759, 19766	
Tree Felling	1255, 1270, 6953, 17756, 17763, 17765, 17766, 19765	

Forest Industries Training and Education Council (FITEC) has completed the review of the unit standards listed above.

Date new version of report published	July 2008
Date new versions published	May 2008
Planned review date	December 2013

Summary of review and consultation process

FITEC has been involved in the review of qualification structures for the forestry industry. As part of the process industry advisory groups have been convened and have reviewed the above unit standards to ensure that they are fit for the proposed new qualification structures.

Various industry advisory groups within the forestry sector contributed to the review. Reviewed and new unit standards were then circulated to the wider industry for feedback. All feedback was considered and, where appropriate, incorporated into the review. All the advisory groups then endorsed the changes.

The main changes resulting from the review are:

- 78 unit standards had changes to address issues of currency and accuracy and to ensure they are assigned to the correct classification or are reclassified as appropriate. 53 unit standards were reclassified.
- Unit standards 1236, 6950, and 19766 increased in level.
- Unit standards 1234, 1237, 1243, 1245, 1247, 6924, 6927, 6928, 6930, 6934-6936, 6939, and 6946 were decreased in level.
- Unit standards 1221, 1234, 1238, 1243, 1245, 1247, 1254, 1266, 6921, 6932, 6943, 6947, 6948, 6957, 6958, 6972, 6973, 17763-17766, 17769, and 17772 had an increase in credits.
- Unit standards 1256, 6927, 6939, 6944, 6946, 16842, 17773, and 23411 had a decrease in credits.
- 20 unit standards were designated as expiring because they were no longer necessary and/or their outcomes were covered by other unit standards.
- Ten unit standards in total were replaced by nine unit standards in total.
- 22 new unit standards were created to address areas of knowledge and skills not previously covered.

Unit standards categorised as category C or D expire at the end of December 2011

Impact on existing provider accreditations

(New extensions added in July 2008 appear in **bold**; extensions granted in error appear in ~~strikethrough~~)

Current Accreditation for			Accreditation extended to		
Nature of accreditation	Classification or Id	Level	Nature of accreditation	Classification or Id	Level
Subfield	Forestry	2	Standards	1236, 6930 , 6950 , 24575	3
Subfield	Forestry	4	Standard	19766	5
Domain	Chainsaw Operating	3	Standards	43, 6917	3
Domain	Forest Cable Harvesting	any	Domain	Forest Harvesting Operations	same
		4	Standard	1258	4

Current Accreditation for			Accreditation extended to					
Nature of accreditation	Classification or Id	Level	Nature of accreditation	Classification or Id	Level			
Domain	Forest Establishment	2	Standard	23000	2			
			Standard	1236	3			
Domain	Forest Harvesting – General	any	Domain	Forest Harvesting Operations	same			
				Machine Operations – Forestry				
				Forestry – Breaking Out				
Domain	Forest Mensuration	3	Standard	1221	3			
		4	Standard	1224	4			
Domain	Forest Silviculture	any	Domain	Forest Silvicultural Operations	same			
				2		Standard	22998	2
						Standard	6950	3
Domain	Forestry Business Management	any	Domain	Forest Operations Management	same			
Domain	Forestry Knowledge	2	Domain	Forest Foundation Skills	2			
			Standard	24575		3		
Domain	Forestry Operations	any	Domain	Forest Operations Advanced	same			
				3		Standard	17772	3
Domain	Log Making	any	Domain	Forest Landing Operations	same			
		4	Standard	19766	5			
Standard	1241	2	Standards	22998, 23000	2			
Standard	1255	4	Standards	24569, 24570	4			
Standard	6923	2	Standard	23000	2			
Standard	6949	2	Standard	22998	2			
Standards	13108, 13109	2	Standard	22994	2			
Standard	17757	2	Standard	22997	2			
Standard	17760	2	Standard	22997	2			
Standard	17761	2	Standard	22997	2			
		2	Standard	24575	3			

Impact on Accreditation and Moderation Action Plan (AMAP)

AMAP 0173 has been updated to reflect the changes made to the standards.

Impact on existing qualifications

Qualifications that contain the reviewed standards or classifications are tabled below.

Affected	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
Not materially affected	The qualification lists a standard that has a new title The qualification lists a standard that has a new classification

The following FITEC qualifications are affected by the outcome of this review and will be revised/reviewed in 2008-2010. The items that generated the *affected* status are in **bold**.

Qualification title	Standard in the qualification
National Diploma in Forestry (Forest Management) (Level 6) [Ref: 0232]	43, 1234, 1236-1238, 1241, 1243, 1245, 1254 , 6916, 6917, 6923, 6924, 13108, 13109, 17769
National Certificate in Forestry (Mechanised Harvesting) [Ref: 0489]	6928, 6934, 6935 , 6941, 17772
National Certificate in Forestry (Establishment and Silviculture) (Level 3) [Ref: 0702]	43, 1221, 1224, 1234, 1236-1238, 1241, 1243, 1245, 1247 , 1252, 1254 , 6916, 6917, 6923, 6949, 6950 , 6951, 6952, 13108, 13109, 17772
National Certificate in Forestry (Foundation Skills) [Ref: 0703]	43, 1234 , 6916, 6917, 6923, 6934, 6949 , 6951, 6952, 13108, 13109, 17757, 17760, 17761, 17769
National Certificate in Forestry (Harvesting) (Level 3) [Ref: 0704]	43, 1230, 1252, 1254, 1256, 6924 , 6926, 13108, 13109
National Certificate in Forestry (Cable Harvesting – Extraction) [Ref: 0828]	1231, 1256 , 1258, 1262, 1266 , 1267-1269, 6917, 6920, 6921, 6969, 17764 , 17771, 17772
National Certificate in Forestry (Forest Establishment) [Ref: 0829]	1221, 1224, 1234-1240, 6923, 13108, 13109
National Certificate in Forestry (Ground Based Harvesting – Extraction) [Ref: 0830]	1231, 1250, 1256 , 6916, 6917, 6928, 6934, 6936 , 6937, 6939 , 17758, 17772
National Certificate in Forestry (Log Loading) [Ref: 0831]	6926, 6927-6930 , 6931, 6935
National Certificate in Forestry (Log Making) [Ref: 0832]	43, 1252, 1254 , 6916, 6917, 6919, 6924 , 6931, 16842 , 17759, 19766
National Certificate in Forestry (Mensuration) [Ref: 0833]	1221 , 1224
National Certificate in Forestry (Operations Management) [Ref: 0834]	1221 , 1224, 17772
National Certificate in Forestry (Silvicultural Thinning) [Ref: 0835]	1221 , 1224, 1247 , 6917, 6919, 6950 , 6951, 6952, 6972, 6973, 13108, 13109 , 17767, 17772
National Certificate in Forestry (Silvicultural Pruning) [Ref: 0836]	1221 , 1224, 1243, 1245, 6949 , 6951, 6952, 6972, 6973, 13108, 13109
National Certificate in Forestry (Tree Felling) [Ref: 0837]	43, 1258, 6939 , 6964, 17756, 17773
National Certificate in Forest Health Surveillance (Level 5) [Ref: 0909]	1241 , 6916, 6917, 17769
National Certificate in Forestry (Investment in Commercial Forestry) (Level 5) [Ref: 1009]	17757, 17760, 17761, 17772

Qualification title	Standard in the qualification
National Certificate in Forestry (Mechanical Land Preparation) (Level 4) [Ref: 1066]	1221, 1224, 13108, 13109, 17769, 17772
National Certificate in Forestry (Log Scaling) (Level 4) [Ref: 1211]	43, 1252, 1254 , 6916, 6917, 6926, 6930 , 6931, 13108, 13109, 17757, 17769
National Certificate in Wood Handling and Distribution (Level 3) with strands in Log Yard and Wood Preparation; and Timber Yarding and Despatch [Ref: 1038]	1254

The following FITEC qualifications are not materially affected by the changes. They will be updated when they are next reviewed.

Qualification title	Standard in the qualification
National Certificate in Forest Produce Inspection [Ref: 0908]	6916, 6917
National Certificate in Forestry (Harvest Planning) (Level 5) [Ref: 1035]	43, 1252, 6916, 6917, 6926, 6931
National Certificate in Wood Manufacturing – Generic Skills (Workplace Safety and Operations) (Level 2) [Ref: 1304]	43, 6916, 6917
National Certificate in Wood Manufacturing Foundation Skills (Level 2) with strands in Pulp and Paper Manufacturing; Solid Wood Manufacturing; Sliced Veneer Operations; Technical Awareness; Wood Handling and Distribution; Wood Panel Manufacturing; and Wood Product Manufacturing [Ref: 1305]	43, 1252, 6916, 6917

The following qualifications are also affected by the outcome of this review. The standard setting bodies (SSBs) have been advised that they require revision. The items that generated the *affected* status are in **bold**.

Qualification title	Classification or standard in the qualification	SSB Name
National Certificate in Pest Management with strands in Avian Pest Control, Mustelid Pest Control, Possum Pest Control, Rabbit Pest Control, and Rodent Pest Control [Ref: 1138]	17769	Agriculture Industry Training Organisation
National Certificate in Pest Monitoring (Possum Monitoring – Field Operative) (Level 3) [Ref: 1224]	17769	Agriculture Industry Training Organisation
National Certificate in Civil Construction Works (Forestry Earthworks) [Ref: 1083]	6917, 13108, 13109, 17769, 17772	InfraTrain New Zealand
National Certificate in Stevedoring and Ports Industry (Log Handling and Ship Loading) (Level 3) [Ref: 0934]	1254, 6930	Tranzqual ITO
National Certificate in Commercial Road Transport (Logging Truck Driver) [Ref: 0942]	6927-6930, 13108, 13109, 17769	Tranzqual ITO

The following qualifications are not materially affected by the changes. They will be updated when they are next reviewed.

Qualification title	Standard in the qualification	SSB Name
National Certificate in Fencing (Introduction to Fencing) [Ref: 0291]	6916, 6917	Agriculture Industry Training Organisation
National Certificate in Fencing with strands in Non-Electric Fencing and Electric Fencing [Ref: 0324]	6916, 6917	Agriculture Industry Training Organisation
National Certificate in Farming Skills (Farm Safety) (Level 2) [Ref: 0963]	6916	Agriculture Industry Training Organisation
National Certificate in Apiculture (Level 2) [Ref: 1036]	6916	Agriculture Industry Training Organisation
National Certificate in Electricity Supply (Vegetation Control) (Level 2) [Ref: 0857]	43, 6916, 6917	Electricity Supply Industry Training Organisation
National Certificate in Electricity Supply (Line Mechanic) (Level 3) with strands in Distribution, and Transmission [Ref: 1116]	43, 6916, 6917	Electricity Supply Industry Training Organisation
National Certificate in Demolition (Introductory Skills) (Level 2) [Ref: 1085]	6917	InfraTrain New Zealand
National Certificate in Conservation (Trainee Ranger) (Level 3) [Ref: 0642]	6916, 6917	Learning State
National Certificate in Conservation (Ranger) [Ref: 0797]	43, 6916	Learning State
National Certificate in Supervision of Youth Development Programmes (Conservation Corps and Youth Service Corps) [Ref: 0907]	6916, 6917	Learning State
National Certificate in Horticulture (Arboriculture) with strands in Ground Worker, Consultant Climber, Transplant Worker, Basic Climber, Advanced Climber, and Utility Worker [Ref: 0896]	43, 6916, 6917	New Zealand Horticulture Industry Training Organisation
National Certificate in Amenity Turf Maintenance (Level 3) [Ref: 1078]	43, 6916, 6917	New Zealand Sports Turf Industry Training Organisation
National Certificate in Parks and Recreation (Level 3) with strands in Local Authority Park Ranger, and Parks Contractor [Ref: 1268]	43, 6916, 6917	Sport, Fitness and Recreation Industry Training Organisation Limited

Review Categories and changes to classification, title, level and credits

All changes are in **bold**.

Key to review category	
A	Dates changed, but no other changes are made - the new version of the standard carries the same Id and a new version number
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
C	Major changes that necessitate the registration of a replacement standard with a new Id
D	Standard will expire and not be replaced

Subfield Forestry

Id	Domain	Title	Level	Credit	Review Category
43	Chainsaw Operating Forest Operations	Maintain a chainsaw	3	10	B
1221	Forest Mensuration Forest Operations	Demonstrate knowledge of job prescriptions for forest operations Explain and interpret job prescriptions for forestry operations	3	3 4	B
1224	Forest Mensuration Forest Operations Advanced	Use prescription maps for forestry operations	4	4	B
1230	Forest Harvesting – General Forest Harvesting Operations	Trim and prepare felled trees for extraction Trim and prepare felled trees for extraction in a commercial forest operation	4	6	B
1231	Forest Harvesting – General Forestry – Breaking Out	Prepare wire ropes for forest harvesting operations Prepare wire ropes for harvesting operations	4	10	B
1241	Forestry Knowledge	Demonstrate knowledge of plantation forest establishment and silviculture	2	4	C
22998¹	Forest Foundation Skills	Demonstrate forestry foundation skills under supervision for pruning plantation trees	2	10	
23000²	Forest Foundation Skills	Demonstrate forestry foundation skills under supervision for plantation forest establishment	2	10	

¹ Unit standard 22998 appears in this table more than once. It is also a replacement for 6949.

² Unit standard 23000 appears in this table more than once. It is also a replacement for 6923.

Id	Domain	Title	Level	Credit	Review Category
6923 23000³	Forest Establishment Forest Foundation Skills	Demonstrate knowledge of planting plantation trees Demonstrate forestry foundation skills under supervision for plantation forest establishment	2 2	3 10	C
6949 22998⁴	Forest Silviculture Forest Foundation Skills	Demonstrate knowledge of pruning plantation trees Demonstrate forestry foundation skills under supervision for pruning plantation trees	2 2	4 10	C
1243	Forest Silviculture Forest Silvicultural Operations	Prune plantation trees from the ground	4 3	5 10	B
1245	Forest Silviculture Forest Silvicultural Operations	Prune plantation trees from off the ground	4 3	8 12	B
1247	Forest Silviculture Forest Silvicultural Operations	Thin plantation trees to waste (early thinning) Thin plantation trees, under 200mm stump diameter, to waste	4 3	5 12	B
1252	Log Making Forest Landing Operations	Demonstrate knowledge of log making	3	5	B
1254	Log Making Forest Landing Operations	Mark logs to optimise value	4	10 12	B
1256	Forest Harvesting – General Forestry – Breaking Out	Demonstrate knowledge of the log extraction process Demonstrate knowledge of ground based log extraction	3	6 4	B
1258	Forest Cable Harvesting Forestry – Breaking Out	Break out for cable harvesting operations Coordinate breaking out for a cable harvesting operation	4	12	B
1262	Forest Cable Harvesting Forest Harvesting Operations	Position and secure a cable-hauler	4	15	B

³ Unit standard 23000 appears in this table more than once. It is also a partial replacement, with 22998, for 1241.

⁴ Unit standard 23998 appears in this table more than once. It is also a partial replacement, with 23000, for 1241.

Id	Domain	Title	Level	Credit	Review Category
1266	Forest Cable Harvesting Forest Harvesting Operations	Organise cable harvesting operations Manage a cable harvesting operation	5	12 15	B
1267	Forest Cable Harvesting Forest Harvesting Operations	Demonstrate knowledge of cable harvesting systems	4	10	B
1268	Forest Cable Harvesting Forest Harvesting Operations	Prepare ropes, rigging, and equipment for cable harvesting operations	4	15	B
1269	Forest Cable Harvesting Forest Harvesting Operations	Plan, prepare for, and carry out lineshifts in a cable harvesting operation	4	15	B
6916	Forest Landing Operations Forest Operations	Demonstrate knowledge of the Approved Code of Practice relating to chainsaw use	2	5	B
6917	Chainsaw Operating Non Commercial Forestry Skills	Operate a chainsaw	3	5	B
6920	Forest Cable Harvesting Forest Harvesting Operations	Demonstrate knowledge of cable harvesting	3	4 8	B
6921	Forest Cable Harvesting Forest Harvesting Operations	Operate a cable hauler Extract stems using a cable-hauler	4	15 18	B
6924	Log Making Forest Landing Operations	Process tree stems on a landing	4 3	8	B
6926	Forest Harvesting – General Machine Operations – Forestry	Demonstrate knowledge of the log loading process	3	4	B
6927	Forest Harvesting – General Machine Operations – Forestry	Load logs using a vehicle mounted hydraulic loader in a forestry situation Operate a vehicle mounted hydraulic loader in a commercial forestry environment	4 3	12 10	B

Id	Domain	Title	Level	Credit	Review Category
6928	Forest Harvesting – General Machine Operations – Forestry	Operate a Bell machine in a forest or log yard situation	4 3	10	B
6930	Forest Harvesting – General Machine Operations – Forestry	Operate a forked loader in a forestry or log yard situation	4 3	10	B
6931	Forest Harvesting – General Machine Operations – Forestry	Fleet, sort and stack logs Fleet, sort, and stack logs	4	15	B
6932	Forest Harvesting – General Machine Operations – Forestry	Load a logging truck Load a logging truck and/or trailer	4	12 15	B
6934	Forest Harvesting – General Machine Operations – Forestry	Operate a skidder in a forestry situation	4 3	10	B
6935	Forest Harvesting – General Machine Operations – Forestry	Operate an excavator based tracked machine in a forestry situation	4 3	10	B
6936	Forest Harvesting – General Machine Operations – Forestry	Operate a tracked machine in a forestry situation	4 3	10	B
6937	Forest Harvesting – General Machine Operations – Forestry	Extract logs to a landing	4	20	B
6939	Forest Harvesting – General Forestry – Breaking Out	Break out for ground based forest harvesting operations	4 3	8 6	B
6950	Forest Silviculture Forest Silvicultural Operations	Demonstrate knowledge of thinning plantation trees Demonstrate knowledge of thinning plantation trees and equipment used	2 3	3	B

Id	Domain	Title	Level	Credit	Review Category
6951	Forest Silviculture Forest Silvicultural Operations	Demonstrate knowledge of selecting plantation trees	2	4	B
6952	Forest Silviculture Forest Silvicultural Operations	Select plantation trees for a forest crop	3	5	B
6964	Forestry Operations Forest Operations Advanced	Apply environmental management to harvesting trees	4	10	B
6972	Forest Silviculture Forest Silvicultural Operations	Prune plantation trees with a chainsaw from off the ground	4	7 12	B
6973	Forest Silviculture Forest Silvicultural Operations	Prune plantation trees with a chainsaw from the ground	4	5 8	B
13108	Forestry Knowledge	Describe effects of hydration and nutrition on safety, health and performance of forestry workers	2	4	C
13109	Forestry Knowledge	Demonstrate knowledge of factors which impair the performance of forestry workers	2	4	C
22994	Forest Foundation Skills	Demonstrate knowledge of factors that affect the performance of forestry workers	2	10	

Id	Domain	Title	Level	Credit	Review Category
16842	Log Making Forest Landing Operations	Mark logs using a computer aided log making system in a production situation Mark logs using a computer aided log making system	4	15 10	B
17757	Forestry Knowledge	Demonstrate knowledge of commercial forestry and forest industry sectors in New Zealand	2	5	C
17760	Forestry Knowledge	Demonstrate knowledge of commercial plantation trees in New Zealand	2	5	C
17761 ⁵	Forestry Knowledge	Demonstrate knowledge of quality determining factors in commercial plantation forestry	2	5	C
22997	Forest Foundation Skills	Demonstrate knowledge of principles of commercial forestry	2	5	
17758	Forest Harvesting – General Machine Operations – Forestry	Plan and form access tracks in a forest operation Plan and form an extraction track in a forestry operation	4	6	B
17759	Log Making Forest Landing Operations	Audit value recovery from stems using computer aided log making systems	5	20	B
17761 ⁶	Forestry Knowledge	Demonstrate knowledge of quality determining factors in commercial plantation forestry	2	5	C
24575	Forest Operations	Demonstrate knowledge of factors that affect the quality of commercial forestry operations	3	4	
17764	Forest Cable Harvesting Forest Harvesting Operations	Plan and rig an elevated support system for a cable harvesting operation	4	8 15	B
17767	Forest Silviculture Forest Silvicultural Operations	Thin plantation trees to waste (late thinning) Thin plantation trees, over 200mm stump diameter, to waste	4	8	B

⁵ 17761 appears in the table more than once. It is also replaced by 24575.

⁶ 17761 appears in table more than once. Along with 17757 & 17760, it is also replaced by 22997.

Id	Domain	Title	Level	Credit	Review Category
17769	Forestry Knowledge Forest Foundation Skills	Demonstrate knowledge of the general requirements for employment in a plantation forest Demonstrate knowledge of general health, safety, and environmental requirements in forestry	2	5 6	B
17771	Forest Cable Harvesting Forest Harvesting Operations	Effect lineshifts in a cable harvesting operation using a mobile tail-hold machine	4	5	B
17772	Forestry Operations Forest Operations	Demonstrate knowledge of environmental requirements in forestry operations	3	5 6	B
17773	Forestry Operations Forest Operations Advanced	Apply environmental management to harvesting trees in a low environmental risk situation	4	8 6	B
19954	Forestry Business Management Forest Operations Management	Calculate cable harvesting payload	5	6	B
19766	Log Making Forest Landing Operations	Manage the log making and processing activities on a landing	4 5	15	B
22132	Forest Cable Harvesting Forest Harvesting Operations	Carry out the functions of the poleman on a cable harvesting landing	3	8	B
23097	Forest Operations Advanced Forest Silvicultural Operations	Rescue an injured or disabled person from a tree	4	8	B
23411	Forest Landing Operations Forest Operations	Demonstrate basic chainsaw operation and maintenance in a commercial forestry operation Demonstrate basic chainsaw operation in a commercial forestry situation	3	15 12	B

Forestry > Chainsaw Operating

Id	Title	Level	Credit	Review Category
6919	Instruct people in the use of chainsaws	4	8	D

Forestry > Forest Cable Harvesting

Id	Title	Level	Credit	Review Category
6969	Break-out for cable harvesting operations in a production situation	4	6	D

Forestry > Forest Establishment

Id	Title	Level	Credit	Review Category
1232	Demonstrate knowledge of forest planting site preparation	2	4	B
1234	Plant plantation trees	4 3	5 8	B
1235	Plant plantation trees in a production situation	4	5	D
1236	Demonstrate knowledge of releasing plantation trees Demonstrate knowledge of releasing plantation trees and the use of agrichemicals	2 3	4	B
1237	Release plantation trees using agrichemicals	4 3	10	B
1238	Release plantation trees using hand-tools	3	4 5	B
1239	Release plantation trees using agrichemicals in a production situation	4	5	D
1240	Release plantation trees using handtools in a production situation	3	4	D
19767	Clear vegetation for forest establishment using motor manual methods	4	10	B

Forestry > Forest Foundation Skills

Id	Title	Level	Credit	Review Category
22995	Demonstrate employment and interrelationship foundation skills in forestry operations	2	5	New
22999	Demonstrate forestry foundation skills under supervision for landing operations	2	10	New
23000	Demonstrate forestry foundation skills under supervision for plantation forestry establishment	2	10	New
23001	Demonstrate forestry foundation skills under supervision for breaking out for plantation forestry	2	10	New

Forestry > Forest Harvesting – General

Id	Title	Level	Credit	Review Category
1250	Thin plantation trees for extraction in a production situation	4	10	D
6929	Operate a knuckle boom loader in a forestry situation	4	10	D

Id	Title	Level	Credit	Review Category
6938	Operate an extraction machine in a forestry production situation	4	15	D
6970	Break-out for ground based forest harvesting operations in a production situation	4	5	D

Forestry > Forest Harvesting Operations

Id	Title	Level	Credit	Review Category
6933	Operate a loader in a forestry production situation	4	15	D
24578	Plan and manage a cable-hauler downtower operation, and plan relocation	4	8	New

Forestry > Forest Health Surveillance

Id	Title	Level	Credit	Review Category
18615	Demonstrate the use of the Global Positioning System in forestry operations	5	5	B

Forestry > Forest Landing Operations

Id	Title	Level	Credit	Review Category
24588	Demonstrate knowledge of forestry landing management	4	8	New

Forestry > Forest Mechanised Harvesting

Id	Title	Level	Credit	Review Category
6941	Demonstrate knowledge of forest mechanised harvesting Demonstrate knowledge of forest mechanised harvesting and processing	3	5	B
6942	Operate a forestry mechanised harvesting machine	4	10	D
6943	Delimb tree lengths using a mechanised delimber	4	10 12	B
6944	Make logs using a mechanised processing machine	4	20 18	B
6945	Fell trees using a mechanised harvesting machine	4	20	B
6946	Extract logs to a landing using a forwarder Operate a forwarder in a forestry situation	4 3	15 10	B
6947	Bunch tree lengths for extraction or processing	4	6 10	B
6948	Delimb stems using a static delimber	4	6 8	B
6968	Operate a mechanised forest harvesting machine in a production situation	4	10	D
17240	Demonstrate knowledge of forwarder operations	3	5	D

Id	Title	Level	Credit	Review Category
24583	Plan for, manage, and perform quality control on a mechanised harvesting clear fell operation	5	15	New
24584	Demonstrate use of a computerised system for controlling harvester functions in a forestry operation	4	5	New

Forestry > Forest Mensuration

Id	Title	Level	Credit	Review Category
6957	Scale logs using a domestic scaling method	4	6 10	B
6958	Scale export logs using an export scaling method	4	6 10	B
17770	Demonstrate knowledge of log grades and log scaling methods	3	4	B

Forestry > Forest Operations

Id	Title	Level	Credit	Review Category
24574	Demonstrate knowledge of, and contribute to, worksite health and safety for commercial forestry operations	3	3	New
24575	Demonstrate knowledge of factors that affect the quality of commercial forestry operations	3	4	New
24579	Demonstrate knowledge of incident response in plantation forests	3	5	New

Forestry > Forest Operations Advanced

Id	Title	Level	Credit	Review Category
24571	Demonstrate knowledge of internal and external customer needs within a forestry operation	4	2	New
24572	Manage a forestry accident site in a simulated situation	4	7	New
24576	Manage a crew in a commercial forest operation	4	8	New
24577	Demonstrate knowledge of health and safety management in a commercial forestry operation	4	3	New

Forestry > Forest Silvicultural Operations

Id	Title	Level	Credit	Review Category
23098	Ultra-high prune plantation trees	4	10	B

Forestry > Forest Silviculture

Id	Title	Level	Credit	Review Category
1244	Prune plantation trees from the ground in a production situation	4	10	D
1246	Prune plantation trees from off the ground in a production situation	4	10	D
1248	Thin plantation trees to waste in a production situation	4	10	D
7572	Prune plantation trees with a chainsaw in a production situation	4	10	D

Forestry > Forestry – Breaking Out

Id	Title	Level	Credit	Review Category
24567	Break out for cable harvesting operations	3	8	New

Forestry > Forestry Knowledge

Id	Title	Level	Credit	Review Category
1227	Demonstrate knowledge of plantation forest harvesting	2	3	B

Forestry > Forestry Operations

Id	Title	Level	Credit	Review Category
19716	Identify, and control hazards associated with the organisation of work in forestry	4	6	D

Forestry > Log Making

Id	Title	Level	Credit	Review Category
6918	Mark logs for logmaking in a production situation	4	7	D

Forestry > Machine Operations – Forestry

Id	Title	Level	Credit	Review Category
24568	Undertake basic repairs on commercial forest industry machines	3	5	New
24589	Demonstrate knowledge of machine recovery in commercial forestry operations	3	5	New
24590	Operate a self-levelling machine in a forestry situation	3	10	New

Forestry > Tree Felling

Id	Title	Level	Credit	Review Category
1255	Fell trees using machine assistance	4	10	C
24569	Fell trees using machine pushing assistance	4	6	
24570	Fell trees using back-pulling machine assistance	4	6	
1270	Salvage windthrown trees	4	12	B
6953	Fell trees in a commercial forest production situation	4	10	D
17756	Assess and deal with individual hazardous trees Assess and manage individual hazardous trees	4	15	B
17763	Demonstrate knowledge of tree felling Demonstrate knowledge of tree-felling	3	5 6	B
17765	Fell trees in a commercial forest harvesting operation	4	20	B
17766	Fell trees safely using a chainsaw and basic techniques Fell trees safely using a chainsaw	3	5 10	B
19765	Assess and deal with individual windthrown trees in a forest plantation	4	6 8	B
24573	Plan for, manage, and perform quality control on a production thinning operation	5	15	New
24580	Demonstrate knowledge of the role and responsibility of the tree felling observer	2	3	New
24582	Plan for, manage, and perform quality control on a motor manual clear fell harvesting operation	5	15	New
24585	Use tree jacks to fell trees	4	10	New