

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

| Subfield | Domain | ID |
|-----------------|---------------------------------|---|
| Forestry | Forest Establishment | 1234, 1238 , 19767 |
| | Forest Harvesting | 1141, 1143, 1144 |
| | Forest Landing Operations | 1254, 6924, 16842 |
| | Forest Mechanised Harvesting | 6943, 6945-6948 |
| | Forest Mensuration | 1222 |
| | Forest Operations | 24574 |
| | Forest Silviculture | 1132, 1133, 1136 |
| | Forest Silvicultural Operations | 1243, 1245, 6952, 6972, 6973, 23098 |
| | Forestry Business Management | 4283-4286 |
| | Forestry Knowledge | 1135 |
| | Forestry Operations | 6965 |
| | Machine Operations – Forestry | 6927, 6928, 6930, 6932, 6934-6936, 6937, 24590 |
| | Technical Knowledge | 1131, 1147 |
| | Tree Felling | 17766, 19765, 24569, 24570, 25952 |

The Forest Industries Training and Education Council (FITEC) has completed the review of the unit standards listed above. The unit standards highlighted in **bold** have not been reviewed but revised and rolled over to extend their currency until they can be reviewed at a later date.

Date new versions published**September 2011****Planned review dates**

| ID | |
|--|----------------------|
| 1234, 1238, 1243, 1245, 1254, 6924, 6927, 6928, 6930, 6932, 6934-6936, 6943, 6945-6948, 6952, 6965, 6972, 6973, 16842, 17766, 19765, 19767, 23098, 24590, 24569, 24570, 24574, 25952 | December 2013 |
| 1135, 1222 | December 2014 |
| 27569, 27570, 27628 | December 2016 |

Summary for reviewed unit standards

Feedback from worksites, assessors, and providers who use FITEC unit standards were recorded and periodically investigated. As a result 16 unit standards have been amended. Industry subject matter experts were consulted on the changes made to the unit standards and have endorsed these changes.

Main changes resulting from the review

- Explanatory notes have been updated for consistency.
- Outcomes, evidence requirements and ranges were amended to clarify meaning, relevance, and to ensure consistency.
- 11 higher level unit standards were designated as expiring and will not be replaced as they were no longer contained in any qualification and not required by industry.
- Unit standard 6965 was moved from *Forestry Operations* domain to the *Forest Operations* domain.
- Unit standard 6937 was replaced by new unit standard 27628 to focus the extraction of stems to a ground based machine operator.

Summary for revised unit standards

Feedback from worksites, assessors, and providers who use FITEC unit standards was recorded and periodically investigated. As a result 33 unit standards have been amended. Industry subject matter experts were consulted on the changes made to the unit standards and have endorsed these changes.

The amendments have minimal impact on unit standard outcomes. Prerequisite requirements have been revised and the explanatory notes have been standardised.

Main changes resulting from the revision

- Explanatory notes have been updated for consistency.
- Outcomes, evidence requirements and ranges were amended to clarify meaning, relevance, and to ensure consistency.
- Entry requirements were changed from prerequisite to recommended, or removed, as they did not contain a critical health and safety element.
- Standard 6965 has been revised and rolled over to extend the currency until review date of December 2013.

Category C and D unit standards will expire at the end of December 2012.

Impact on registered qualifications

| Key to type of impact | |
|--------------------------------|--|
| 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 impacted by the outcome of this review and will be updated when they are reviewed in 2012. The classifications and/or standards that generated the status *Affected* are listed in **bold**.

| Ref | Qualification Title | Classification or ID |
|------|---|----------------------|
| 0820 | National Certificate in Forestry (Business Management) | 4283-4286 |
| 1009 | National Certificate in Forestry (Investment in Commercial Forestry) (Level 5) | 1147 |
| 1035 | National Certificate in Forestry (Harvest Planning) (Level 5) | 1143, 1144 |
| 1412 | National Certificate in Forest Operations Advanced (Level 4) with strands in Establishment and Silvicultural Operations Management, Production Tree Felling, Hauler Set-Up, Machine Operations - Hauler, Head Breaker Out - Cable Harvesting, Log Making, Machine Operations - Log Extraction, Machine Operations - Loader, Mechanised Tree Felling, Mechanised Processing, Helicopter Logging, and Inventory | 6937 |

Revised unit standards

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

Agriculture, Forestry and Fisheries > Forestry > Forest Establishment

| ID | Title | Level | Credit |
|------|---|-------|--------|
| 1234 | Plant plantation trees | 3 | 8 |
| 1238 | Release plantation trees using hand-tools | 3 | 5 |

Agriculture, Forestry and Fisheries > Forestry > Forest Landing Operations

| ID | Title | Level | Credit |
|-------|--|-------|--------|
| 1254 | Mark logs to optimise value | 4 | 12 |
| 6924 | Process tree stems on a landing | 3 | 8 |
| 16842 | Mark logs using a computer aided log making system | 4 | 10 |

Agriculture, Forestry and Fisheries > Forestry > Forest Mechanised Harvesting

| ID | Title | Level | Credit |
|------|--|-------|--------|
| 6943 | Delimb tree lengths using a mechanised delimber | 4 | 12 |
| 6945 | Fell trees using a mechanised harvesting machine | 4 | 20 |
| 6946 | Operate a forwarder in a forestry situation | 3 | 10 |
| 6947 | Bunch tree lengths for extraction or processing | 4 | 10 |
| 6948 | Delimb stems using a static delimber | 4 | 8 |

Agriculture, Forestry and Fisheries > Forestry > Forest Mensuration

| ID | Title | Level | Credit |
|------|--|-------|--------|
| 1222 | Establish and measure sample plots for forest operations | 4 | 6 |

Agriculture, Forestry and Fisheries > Forestry > Forest Operations

| ID | Title | Level | Credit |
|-------|--|-------|--------|
| 24574 | Demonstrate knowledge of, and contribute to, worksite health and safety for commercial forestry operations | 3 | 3 |

Agriculture, Forestry and Fisheries > Forestry > Forest Silvicultural Operations

| ID | Title | Level | Credit |
|------|--|-------|--------|
| 1243 | Prune plantation trees from the ground | 3 | 10 |
| 1245 | Prune plantation trees from off the ground | 3 | 12 |
| 6952 | Select plantation trees for a forest crop | 3 | 5 |

| ID | Title | Level | Credit |
|-------|--|-------|--------|
| 6972 | Prune plantation trees with a chainsaw from off the ground | 4 | 12 |
| 6973 | Prune plantation trees with a chainsaw from the ground | 4 | 8 |
| 23098 | Ultra-high prune plantation trees | 4 | 10 |

Agriculture, Forestry and Fisheries > Forestry > Forestry Knowledge

| ID | Title | Level | Credit |
|------|---|-------|--------|
| 1135 | Demonstrate knowledge of nutrient management in commercial forestry | 5 | 4 |

Agriculture, Forestry and Fisheries > Forestry > Forestry Operations

Agriculture, Forestry and Fisheries > Forestry > Forest Operations

| ID | Title | Level | Credit |
|------|---|-------|--------|
| 6965 | Apply environmental management to forest roading and earthworks | 4 | 12 |

Agriculture, Forestry and Fisheries > Forestry > Machine Operations - Forestry

| ID | Title | Level | Credit |
|-------|---|-------|--------|
| 6927 | Operate a vehicle mounted hydraulic loader in a commercial forestry environment | 3 | 10 |
| 6928 | Operate a Bell machine in a forest or log yard situation | 3 | 10 |
| 6930 | Operate a forked loader in a forestry or log yard situation | 3 | 10 |
| 6932 | Load a logging truck and/or trailer | 4 | 15 |
| 6934 | Operate a skidder in a forestry situation | 3 | 10 |
| 6935 | Operate an excavator based tracked machine in a forestry situation | 3 | 10 |
| 6936 | Operate a tracked machine in a forestry situation | 3 | 10 |
| 24590 | Operate a self-levelling machine in a forestry situation | 3 | 10 |

Agriculture, Forestry and Fisheries > Forestry > Tree Felling

| ID | Title | Level | Credit |
|-------|---|-------|--------|
| 17766 | Fell trees safely using a chainsaw | 3 | 10 |
| 19765 | Assess and deal with individual windthrown trees in a forest plantation | 4 | 8 |
| 24569 | Fell trees using machine pushing assistance | 4 | 6 |
| 24570 | Fell trees using back-pulling machine assistance | 4 | 6 |
| 25952 | Thin plantation trees for extraction | 4 | 10 |

Reviewed unit standards

Detailed list of unit standards – 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 |

Agriculture, Forestry and Fisheries > Forestry > Forest Establishment

| ID | Title | Level | Credit | Review Category |
|-------|--|-------|--------|-----------------|
| 19767 | Clear vegetation for forest establishment using motor manual methods | 4 | 10 | D |

Agriculture, Forestry and Fisheries > Forestry > Forest Harvesting

| ID | Title | Level | Credit | Review Category |
|------|--|-------|--------|-----------------|
| 1141 | Investigate the supervision of commercial forest harvesting prescriptions and specifications | 5 | 7 | D |
| 1143 | Prepare an operational forest roading and landing plan | 6 | 12 | D |
| 1144 | Prepare an operational forest harvesting plan | 6 | 15 | D |

Agriculture, Forestry and Fisheries > Forestry > Forest Landing Silviculture

| ID | Title | Level | Credit | Review Category |
|------|--|-------|--------|-----------------|
| 1132 | Manage establishment operations for commercial forestry | 6 | 15 | D |
| 1133 | Manage forest tending for commercial forestry | 6 | 15 | D |
| 1136 | Plan management of forest estate for commercial forestry | 7 | 15 | D |

Agriculture, Forestry and Fisheries > Forestry > Forest Operations Advanced

| ID | Title | Level | Credit | Review Category |
|--------------|--|----------|-----------|-----------------|
| 27570 | Demonstrate knowledge of and manage quality control in a silvicultural forest operation | 4 | 10 | New |

Agriculture, Forestry and Fisheries > Forestry > Forest Operations Management

| ID | Title | Level | Credit | Review Category |
|--------------|---|----------|-----------|-----------------|
| 27569 | Demonstrate knowledge of and calculate the daily costs and production targets in forestry operations | 4 | 10 | New |

Agriculture, Forestry and Fisheries > Forestry > Forestry Business Management

| ID | Title | Level | Credit | Review Category |
|------|---|-------|--------|-----------------|
| 4283 | Develop a health and safety management plan for application in forestry | 6 | 10 | D |
| 4284 | Develop a crop protection management system for application in forestry | 7 | 10 | D |
| 4285 | Develop a quality management system for application in forestry | 7 | 10 | D |
| 4286 | Develop an environmental management plan for application in forestry | 6 | 10 | D |

Agriculture, Forestry and Fisheries > Forestry > Machine Operations - Forestry

| ID | Title | Level | Credit | Review Category |
|--------------|---|--------------|---------------|------------------------|
| 6937 | Extract logs to a landing | 4 | 20 | C |
| 27628 | Extract stems using a ground based machine | 4 | 20 | |

Agriculture, Forestry and Fisheries > Forestry > Technical Forestry

| ID | Title | Level | Credit | Review Category |
|-----------|--|--------------|---------------|------------------------|
| 1131 | Demonstrate knowledge of seeds, nurseries, and tree improvement in commercial forestry | 5 | 4 | D |
| 1147 | Demonstrate knowledge of property legislation affecting commercial forestry | 5 | 3 | D |