## Qualification details

### Title
New Zealand Certificate in Forest Industry Operations (Planning and Monitoring) (Level 4) with strands in Harvesting, Inventory, and Silviculture

<table>
<thead>
<tr>
<th>Version</th>
<th>Qualification type</th>
<th>Level</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Certificate</td>
<td>4</td>
<td>50-64</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>NZSCED</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>050501</td>
<td>Agriculture, Environmental and Related Studies &gt; Forestry Studies &gt; Forestry Studies</td>
</tr>
</tbody>
</table>

**Qualification developer** Competenz

**Next review** December 2019

**Approval date** January 2015

### Strategic purpose statement
The purpose of this qualification is to provide the forest industry with individuals who have the advanced skills and knowledge to be employed in a supervisory role in a forestry, mensuration or harvesting operation. They will be able to plan and supervise day-to-day activities within a harvesting, forestry, or mensuration operation.

Graduates will be able to work without supervision and be responsible for the safe and efficient operation of forestry employees, plant and equipment. Graduates will also be capable of maintaining productivity within the operation.

The qualification includes three strands which represent distinct activities within forestry, inventory and harvesting operations.

### Outcome Statement

**Graduate profile**
Graduates of this qualification will be able to:
- Apply effective planning, communication and supervision to a forestry operational team.
- Apply health and safety management in a forestry operation.
- Carry out safe behavioural audits within a forest operation.

Graduates of the **Harvesting** strand will also be able to:
- Apply environmental management and landing management in a forest harvesting operation.

Graduates of the **Inventory** strand will also be able to:
- Plan and implement forest inventories, and manage the delivery, quality and integrity of collected data.

Graduates of the **Silviculture** strand will also be able to:
- Use prescription maps to plan and manage quality control in a forestry silviculture operation.
<table>
<thead>
<tr>
<th><strong>Education pathway</strong></th>
<th>This qualification can lead to the New Zealand Certificate in Forestry Crew Management (Level 5) [Ref: 2331].</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Employment pathway</strong></td>
<td>Holders of this qualification will be able to work as a crew leader in a forestry, mensuration or harvesting crew. These graduates will then be able to train towards being a crew manager.</td>
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</tbody>
</table>

## Qualification specifications

### Qualification award

This qualification can be awarded by an organisation which has an approved programme of study, or industry training programme leading to the qualification.

The certificate will display the logos of the NZQF and may display the name and/or logo of the awarding body.

### Evidence requirements for assuring consistency

All tertiary education organisations (TEOs) either arranging training or delivering programmes that lead to the award of the qualification are required to participate in a consistency process scheduled by NZQA.

This will involve reviewing evidence associated with graduate’s achievement of outcomes, and agreeing acceptable thresholds for qualification outcome achievement and areas for improvement.

To demonstrate how graduates are achieving the qualification graduate profile outcomes, TEOs are required to produce their own evidence in a high level report.

Evidence will include the following:

- Employer surveys to determine if graduates of the qualification meet graduate profile outcomes
- Evidence of effective processes to ensure programmes continue to meet current industry needs
- A range of workplace evidence demonstrating that graduates meet the graduate profile outcomes
- Any other relevant evidence as appropriate.

Further information about the managing consistency process can be found on the NZQA website.

### Credit transfer and recognition of prior learning arrangements

Organisations that offer programmes towards the qualification are expected to have Recognition of Current Competence (RCC) or Recognition of Prior Learning (RPL) assessment processes in place. Credit transfer will be automatic where assessment standards are used for assessment within programmes of study or training leading to this qualification.

### Minimum standard of achievement and standards for grade endorsements

Achievement of all outcomes. There are no grade endorsements for this qualification.
**Entry requirements (including prerequisites to meet regulatory body or legislative requirements)**

It is recommended that, before being signed into training agreements leading to the award of this qualification, candidates have completed the:

- New Zealand Certificate in Forestry Operations (Level 3) with strands in Chemical Handling, Mensuration, Pruning, and Thin to Waste [Ref: 2334], or
- New Zealand Certificate in Forest Harvesting Operations (Level 3) with strands in Basic Machine Operation, Tree Felling, Breaking Out - Cable, Breaking Out - Ground Based, Manual Processing, Log Scaling, Poleman, Production Thinning, and Quality Control [Ref: 2326], or
- New Zealand Certificate in Forest Harvesting Operations (Level 4) with strands in Cable Extraction; Fleet, Sort and Stack; Ground Based Extraction; Head Breaker - Out; Loading; Log Making; Mechanised Felling; Mechanised Processing; Spotting; Swing Yarder Extraction; and Tree Felling [Ref: 2327].

## Qualification conditions

**Overarching conditions relating to the qualification**

| Conditions for programme structure | None. |
| Conditions for programme context | None. |
| Other conditions | This qualification will typically be achieved in a workplace environment. |

## Specific conditions relating to the Graduate profile

<table>
<thead>
<tr>
<th>Qualification outcomes</th>
<th>Conditions</th>
<th>Mandatory or Optional</th>
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<tbody>
<tr>
<td>1 Apply effective planning, communication and supervision to a forestry operational team. Credits 8</td>
<td></td>
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<tr>
<td>2 Apply health and safety management in a forestry operation. Credits 26</td>
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<td></td>
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<tr>
<td>3 Carry out safe behavioural audits within a forest operation. Credits 10</td>
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</tbody>
</table>
Harvesting strand
Apply environmental management and landing management in a forest harvesting operation.
Credits 20

Inventory strand
Plan and implement forest inventories, and manage the delivery, quality and integrity of collected data.
Credits 6

Silviculture strand
Use prescription maps to plan and manage quality control in a forestry silviculture operation.
Credits 15

Transition information

This qualification and the New Zealand Certificate in Forest Harvesting Operations (Level 4) with strands in Cable Extraction; Fleet, Sort and Stack; Ground Based Extraction; Head Breaker - Out; Loading; Log Making; Mechanised Felling; Mechanised Processing; Spotting; Swing Yarder Extraction; and Tree Felling [Ref: 2327] replaced the 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 [Ref: 1412].

People currently working towards Ref: 1412 may complete the qualification by 31 December 2018 or transfer their results to one of the replacement New Zealand qualifications.

The last date for enrolments into this expiring qualification is 31 December 2017.

It is anticipated that no existing candidates will be disadvantaged by these transition arrangements. However, anyone who feels that they have been disadvantaged may appeal to Competenz at the address below. Appeals will be considered on a case-by-case basis.

Competenz, PO Box 9005, Newmarket, Auckland 1149.
Republication information

Version 1 of this qualification was republished in October 2015 to extend the last date of enrolment into programmes leading to the replaced 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 [Ref: 1412] from 31 December 2015 to 31 December 2017 and to extend the last date for assessment from 31 December 2017 to 31 December 2018.