

FIELD MANUFACTURING

Review of *Pulp and Paper Manufacturing, Saw Doctoring, Solid Wood Processing, Timber Machining, Wood Panels Manufacturing, and Wood Product Manufacturing* qualifications

National Certificate in Pulp and Paper Manufacturing (Level 2) [Ref: 0237]

National Certificate in Pulp and Paper Manufacturing (Level 3) [Ref: 0238]

National Certificate in Pulp and Paper Manufacturing (Level 4) [Ref: 0239]

National Certificate in Saw Doctoring (Saw and Tool Maintenance) (Level 3) [Ref: 0810]

National Certificate in Saw Doctoring (Level 4) [Ref: 0811]

National Certificate in Solid Wood Processing (Level 2) [Ref: 0807]

National Certificate in Solid Wood Processing (Level 3) [Ref: 0808]

National Certificate in Solid Wood Processing (Level 4) with strands in Sawmilling, Timber Grading, Timber Yarding, Wood Drying, and Wood Preservation [Ref: 0809]

National Certificate in Timber Machining (Size and Gauge) (Level 3) [Ref: 0812]

National Certificate in Timber Machining (Level 4) [Ref: 0813]

National Certificate in Wood Panels Manufacturing (Level 2) [Ref: 0433]

National Certificate in Wood Panels Manufacturing (Level 4) [Ref: 0254]

National Certificate in Wood Product Manufacturing (Level 2) [Ref: 0814]

National Certificate in Wood Product Manufacturing (Level 3) [Ref: 0815]

National Certificate in Wood Product Manufacturing (Level 4) [Ref: 0816]

The Forest Industries Training and Education Council (FITEC) have completed the review of the qualifications listed above.

Replacement qualifications

- National Certificate in Solid Wood Manufacturing (Level 3) with strands in Engineered Wood Product Operations; Laminated Veneer Lumber (LVL) and Plywood Operations; Planer Operations; Pole and Post Operations; Saw Centre Operations; Timber Drying Operations; Timber Grading Operations; Timber Treatment Operations; Veneer Preparation; and Wood Product Operations [Ref: 1306]
- National Certificate in Solid Wood Manufacturing (Advanced) with strands in Laminated Veneer Lumber (LVL) and Plywood Manufacturing; Sawmilling; Timber Drying; Timber Grading; and Timber Treatment [Ref: 1307]
- National Certificate in Wood Fibre Manufacturing (Level 3) with strands in Composite Panel Preparation, Composite Panel Forming and Pressing, Composite Panel Finishing, Mechanical Pulping Operations, Pulp and Paper Dry End Operations, and Pulp and Paper Wet End Operations [Ref: 1309]

- National Certificate in Wood Fibre Manufacturing (Advanced) (Level 4) with strands in Composite Panel Manufacturing, Paper Making, and Mechanical Pulp Making [Ref: 1310]
- 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]

New qualifications

- National Certificate in Finger Jointing (Level 4) [Ref: 1311]
- National Certificate in Wood Handling and Distribution (Level 3) with strands in Log Yard and Wood Preparation, and Timber Yarding and Despatch [Ref: 1308]
- National Certificate in Wood Manufacturing – Generic Skills (Workplace Safety and Operations) (Level 2) [Ref: 1304]
- National Certificate in Solid Wood Manufacturing (Advanced Technical Plant Operations) (Level 5) [Ref: 1312]

Date new versions published

July 2007

The next qualification review is planned to take place during 2012.

Summary of review and consultation process

FITEC undertook a significant consultation with the forest industries in 2004 and 2005 to determine the skills requirements of the industry going forward. As a result of this consultation process it was clear that new qualification structures were required by the industry.

A Steering Committee and several Technical Advisory Groups were established in 2005 to work with FITEC on the development of these new structures. The Steering Committee was responsible for the design of the qualification across all the wood manufacturing industries, and the core qualifications. The Technical Advisory Groups then worked up the detailed content of the specialist strands or technical qualifications identified in the design.

Following the design work it was clear that the structure of the industry subfields and domains required revision to meet the needs of the new design. As a result new subfields in Solid Wood Manufacturing, Wood Fibre Manufacturing, Wood Handling and Distribution, and Wood Manufacturing – Generic Skills were established and the subfields Solid Wood Processing, Pulp and Paper Manufacturing, Wood Panels Manufacturing, and Wood Processing Technology were designated expiring.

The relationships between the reviewed and replacement qualifications are complete. In particular the National Certificate in Wood Panels Manufacturing (Level 4) [Ref: 0254] has multiple relationships. It has been replaced by parts of the new National Certificates [Ref: 1306], [Ref: 1307], [Ref: 1309], and [Ref: 1310].

Main changes resulting from the review

National Certificate in Pulp and Paper Manufacturing (Level 2) [Ref: 0237]

National Certificate in Solid Wood Processing (Level 2) [Ref: 0807]

National Certificate in Wood Panels Manufacturing (Level 2) [Ref: 0433]

National Certificate in Wood Product Manufacturing (Level 2) [Ref: 0814]

Replaced by

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]

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| Review category | C | See Key to Qualification Review Categories at the end of report |
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There are substantial differences between the new and replaced qualifications. Changes include

- core compulsory standards are common to all sectors
- one strand is required to complete the requirements of the qualification.

Pulp and Paper Manufacturing Strand

- replaced the National Certificate in Pulp and Paper Manufacturing (Level 2) [Ref: 0237]
- Elective List A was removed
- standards 15848, 1277, 9677, 5634, 5637, 5638, and 1979 were removed
- a new elective section was added to replace the broad Elective List B, this includes standards 3510, 3514, 3562, 3589, 3592, 3800, 10833, 15832, 17856, 20760, 23075
- standard titles, levels and credits were updated.

Solid Wood Manufacturing Strand

- replaced the National Certificate in Solid Wood Processing (Level 2) [Ref: 0807]
- standards 159, 497, 8492, and 9677 were removed
- standard 736 was moved to the core elective
- standard 17971 was moved to Strand Elective 1
- standards 15766, 16243, 15055, 15056, 166, and 43 were removed from Elective 1
- the domain Wood Technology was removed from Elective 1
- standards 164, 165, 8005, 17961, and 143 were moved from Elective 1 to Strand Elective 2
- standards 20751, 146, 678, 21498 were added to Strand Elective 2
- standards 160, 162, 15774, 16244, 17971 were added to Strand Elective 1
- standards 8008 and 5847 were added to the Wood Handling and Distribution strand
- the broad Elective 2 was removed
- standard titles, levels and credits were updated.

Wood Panel Manufacturing Strand

- replaced the National Certificate in Wood Panels Manufacturing (Level 2) [Ref: 0433]
- standards 3271, 1277, 9677, 693, 2443, and 8492 have been removed
- standards 691 and 692 were replaced with standard 21482
- Elective List B was removed
- standard 11963 was moved from Elective List A to the Wood Handling and Distribution strand
- standard 17963 moved from elective List A to Strand Elective 2

- standards 11982, 11984, 19582, 11965, 11997, 662, 155, 134, 135, 166, 740, 15769, 675, 678, 679, 680, 685, 689, and 8010 were removed from Elective List A
- the domains Hardboard and Insulating Board Manufacturing, Laminated Veneer Lumber and Plywood Manufacturing, Medium Density Fibreboard Manufacturing, Overlay Bonding, Particle Board Manufacturing, Veneer Manufacturing, Wood Panel Manufacturing Skills, Driver Licence Endorsements, and Powered Industrial Lift Trucks were removed from Elective List A
- standards 729, 20760, 21497, 22975, 700 and 702 were added to the Strand Elective
- standard titles, levels and credits were updated.

Wood Product Manufacturing Strand

- replaced the National Certificate in Wood Product Manufacturing (Level 2) [Ref: 0814]
- the compulsory standards 159, 497, and 9677 were removed
- Elective 1 List A and List B were removed
- the broad Elective 3 was removed
- standard 22978 was added to the compulsory section
- standard 17964 was moved from Elective List B to Strand Elective 1
- standards 15505 and 15056 were added to Strand Elective 1
- standards 155, 669, 165, 161, 675, 678, 690, 713, 727, 702, and 2556 were removed
- the domain Hardboard and Insulating Board was removed from Elective 2
- the domain Wood Product Manufacturing was replaced by standards 4544, 17963, 18963, 18967, 18968, and 21498
- standards 156 and 5847 were moved to the Wood Handling and Distribution strand
- standards 160 and 17971 were moved to the Solid Wood Manufacturing strand
- standard 135 was replaced by standard 20751
- standard 146 was added to Strand Elective 2
- standard titles, levels and credits were updated.

Transition

People currently working towards any of the replaced qualifications may either complete the requirements for that qualification by 31 December 2011 or transfer their results to this qualification. The last date for entry to training programmes or courses for the replaced qualifications is December 2008.

It is anticipated that no existing trainees will be disadvantaged by these transition arrangements. Any person who feels they have been disadvantaged by these transition arrangements should contact FITEC who will consider appeals on a case by case basis.

This qualification contains standards that replace earlier standards. For the purposes of this qualification people who have gained credit for the expiring standards are exempt from the requirement to gain credit for the replacement standards – see table below.

| Credit for | Exempt from |
|-------------|-------------|
| 135 | 20751 |
| 4550 | 20751 |
| 691, 692 | 21482 |
| 3593, 10835 | 21498 |

| Credit for | Exempt from |
|--------------|-------------|
| 4556 | 21459 |
| 12901, 12902 | 23075 |
| 16297, 16298 | 21462 |
| 21756 | 22977 |

National Certificate in Pulp and Paper Manufacturing (Level 3) [Ref: 0238]
National Certificate in Wood Panels Manufacturing (Level 4) [Ref: 0254] (in part)
replaced by

National Certificate in Wood Fibre Manufacturing (Level 3) with strands in Composite Panel Preparation, Composite Panel Forming and Pressing, Composite Panel Finishing, Mechanical Pulping Operations, Pulp and Paper Dry End Operations, and Pulp and Paper Wet End Operations [Ref: 1309]

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| Review category | C | See Key to Qualification Review Categories at the end of report |
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There are substantial differences between the new and replaced qualifications. Changes include

- core compulsory standards are common to all sectors
- one strand is required to complete the requirements of the qualification.

Composite Panel Preparation Strand

- partial replacement for the National Certificate in Wood Panels Manufacturing (Level 4) [Ref: 0254]
- standards 3271, 1277, 9677, 691, 692, 693, 2443, and 8492 were removed
- standard 159 was moved from Elective B to the core compulsory section
- Elective List B was removed
- standards 11982, 11984, 19582, 11963, 11965, 11997, 17963, 6930, 662, 134, 135, 166, 740, 15769, 675, 678, 679, 680, 685, 689, 8010, 3790, and 3800 were removed from Elective List A
- the domains Hardboard and Insulating Board Manufacturing, Laminated Veneer Lumber and Plywood Manufacturing, Medium Density Fibreboard Manufacturing, Overlay Bonding, Particle Board Manufacturing, Veneer Manufacturing, Wood Panel Manufacturing Skills, Driver Licence Endorsements, and Powered Industrial Lift Trucks were removed from Elective List A
- standard 21476 was added to the strand compulsory
- standards 3541, 694, 708, 719, 720, 723, 724, and 703 were added to the strand elective
- standard titles, levels and credits were updated.

Composite Panel Forming and Pressing Strand

- partial replacement for the National Certificate in Wood Panels Manufacturing (Level 4) [Ref: 0254]
- standards 3271, 1277, 9677, 691, 692, 693, 2443, and 8492 were removed
- standard 159 was moved from Elective B to the core compulsory section

- Elective List B was removed
- standards 11982, 11984, 19582, 11963, 11965, 11997, 17963, 6930, 662, 134, 135, 166, 740, 15769, 675, 678, 679, 680, 685, 689, 8010, 3790, and 3800 were removed from Elective List A
- the domains Hardboard and Insulating Board Manufacturing, Laminated Veneer Lumber and Plywood Manufacturing, Medium Density Fibreboard Manufacturing, Overlay Bonding, Particle Board Manufacturing, Veneer Manufacturing, Wood Panel Manufacturing Skills, Driver Licence Endorsements, and Powered Industrial Lift Trucks were removed from Elective List A
- standard 21475 was added to the strand compulsory
- standards 710, 695, 696, 697, and 23438 were added to the strand elective
- standard titles, levels and credits were updated.

Composite Panel Finishing Strand

- partial replacement for the National Certificate in Wood Panels Manufacturing (Level 4) [Ref: 0254]
- standards 3271, 1277, 9677, 691, 692, 693, 2443, and 8492 were removed from the compulsory section
- standard 159 was moved from Elective B to the core compulsory section
- Elective List B was removed
- standards 11982, 11984, 19582, 11963, 11965, 11997, 17963, 6930, 662, 134, 135, 166, 740, 15769, 675, 678, 679, 680, 685, 689, 8010, 3790, and 3800 were removed from Elective List A
- the domains Hardboard and Insulating Board Manufacturing, Laminated Veneer Lumber and Plywood Manufacturing, Medium Density Fibreboard Manufacturing, Overlay Bonding, Particle Board Manufacturing, Veneer Manufacturing, Wood Panel Manufacturing Skills, Driver Licence Endorsements, and Powered Industrial Lift Trucks were removed from Elective List A
- standard 700 was added to the strand compulsory
- standards 20751, 4551, 17044, 17203, 7067, 7069, 7070, 7071, 7072, 16245, 22975, 698, 699, and 22988 were added to the strand elective
- standard titles, levels and credits were updated.

Mechanical Pulping Operations Strand

- partial replacement for the National Certificate in Pulp and Paper Manufacturing (Level 3) [Ref: 0238]
- standards 5655, 17860, 17861, and 17869 were removed
- Elective Lists A, B, C and D were removed
- standard 17865 was added to the strand compulsory
- standards 17608, 17611, 3572, 10834, 15831, 3541, 3544, 3563, 21484, and 21485 were added to the strand elective
- standard titles, levels and credits were updated.

Pulp and Paper Dry End Operations Strand

- partial replacement for the National Certificate in Pulp and Paper Manufacturing (Level 3) [Ref: 0238]
- standards 5655, 17860, 17861, and 17869 were removed
- Elective Lists A, B, C and D were removed
- standard 17863 was added to the strand compulsory

- standards 21498, 3582, 3584, 3585, 3590, 3591, 3602, 3604, 12900, 12903, 15817, 3511, 3517, 21490, 21491, 3552, 3553, 5676, and 17864 were added to the strand elective
- standard titles, levels and credits were updated.

Pulp and Paper Wet End Operations Strand

- partial replacement for the National Certificate in Pulp and Paper Manufacturing (Level 3) [Ref: 0238]
- standards 5655, 17860, 17861, and 17869 were removed from the compulsory section
- Elective Lists A, B, C and D were removed
- standards 17859, 17866, and 17868 were added to strand elective 1
- standards 21467, 3523, 3577, 3595, 15816, 23074, 5680, 3509, 3513, 3518, 3519, 3580, 3596, 3597, 15827, 15829, 15831, 15833, and 21486 were added to strand elective 2
- standard titles, levels and credits were updated.

Transition

People currently working towards any of the replaced qualifications may either complete the requirements for that qualification by 31 December 2011 or transfer their results to this qualification. The last date for entry to training programmes or courses for the replaced qualifications is December 2008.

It is anticipated that no existing trainees will be disadvantaged by these transition arrangements. Any person who feels they have been disadvantaged by these transition arrangements should contact FITEC who will consider appeals on a case by case basis.

This qualification contains standards that replace earlier standards. For the purposes of this qualification people who have gained credit for the expiring standards are exempt from the requirement to gain credit for the replacement standards – see table below.

| Credit for | Exempt from |
|-------------------|--------------------|
| 135 | 20751 |
| 4550 | 20751 |
| 3062, 3063 | 21467 |
| 3545 | 21484 |
| 3546 | 21484 |
| 3565 | 21485 |
| 3556 | 21486 |
| 15828 | 21486 |
| 3521 | 21490 |
| 3522 | 21491 |
| 3593, 10835 | 21498 |

National Certificate in Pulp and Paper Manufacturing (Level 4) [Ref: 0239]
 National Certificate in Wood Panels Manufacturing (Level 4) [Ref: 0254] (in part)
replaced by

National Certificate in Wood Fibre Manufacturing (Advanced) (Level 4) with strands in Composite Panel Manufacturing, Paper Making, and Mechanical Pulp Making [Ref: 1310]

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| Review category | C | See Key to Qualification Review Categories at the end of report |
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There are substantial differences between the new and replaced qualifications. Changes include

- core compulsory unit standards are common to all sectors
- one strand is required to complete the requirements of the qualification.

Composite Panel Manufacturing Strand

- partial replacement for the National Certificate in Wood Panels Manufacturing (Level 4) [Ref: 0254]
- standards 3271, 1277, 9677, 691, 692, 693, 2443, and 8492 were removed
- Elective Lists A and B were removed
- standards 21477 and 701 were added to the strand compulsory
- standards 16341, 17869, 22980, 704, and 16247 were added to the strand elective
- standard titles, levels and credits were updated.

Paper Making Strand

- partial replacement for the National Certificate in Pulp and Paper Manufacturing (Level 4) [Ref: 0239]
- standards 5655, 17860, 17861, and 17869 were removed
- Elective Lists A, B, C and D were removed
- standard 22982 was added to the strand compulsory
- unit standards 15815, 23076, 3524, and 21489 were added to the strand elective
- standard titles, levels and credits were updated.

Mechanical Pulp Making Strand

- partial replacement for the National Certificate in Pulp and Paper Manufacturing (Level 4) [Ref: 0239]
- standards 5655, 17860, 17861, and 17869 were removed
- Elective Lists A, B, C and D were removed
- standard 22983 was added to the strand compulsory
- standards 3543, 3551, and 3564 were added to the strand elective
- standard titles, levels and credits were updated.

Transition

People currently working towards any of the replaced qualifications may either complete the requirements for that qualification by 31 December 2011 or transfer their results to this qualification. The last date for entry to training programmes or courses for the replaced qualifications is December 2008.

It is anticipated that no existing trainees will be disadvantaged by these transition arrangements. Any person who feels they have been disadvantaged by these transition arrangements should contact FITEC who will consider appeals on a case by case basis.

This qualification contains standards that replace earlier standards. For the purposes of this qualification people who have gained credit for the expiring standards are exempt from the requirement to gain credit for the replacement standards – see table below.

| Credit for | Exempt from |
|------------------|-------------|
| 706 | 16247 |
| 3583, 3600, 3601 | 23076 |

National Certificate in Saw Doctoring (Saw and Tool Maintenance) (Level 3) [Ref: 0810]

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| Review category | B | See Key to Qualification Review Categories at the end of report |
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Changes to structure and content

- standard 497 was replaced by standard 22977
- the order of Elective 1 and 3 was reversed
- elective 2 was moved to the new elective 1
- standards 2401, 21911, and 21912 were added to the compulsory section
- standards 2395, 5844, 8338, and 15761 were added to the new Elective 2
- standards 161, 684, 15762 and 15763 were removed from the elective section
- the Wood Technology domain was removed from the elective section
- the broad elective 3 was removed
- standards 6401 and 6402 were moved to the special notes.

Transition

People currently working towards version 1 of the National Certificate in Saw Doctoring (Level 3) [Ref: 0810] may complete that version or transfer to version 2. People choosing to complete version 1 of the qualification have until 31 December 2011 to do so. The last date for entry to training programmes or courses for version 1 is December 2008.

It is anticipated that no existing trainees will be disadvantaged by these transition arrangements. Any person who feels they have been disadvantaged by these transition arrangements should contact FITEC who will consider appeals on a case by case basis.

This qualification contains standards that replace earlier standards. For the purposes of this qualification, people who have gained credit for the expiring standards are exempt from the requirement to gain credit for the replacement standards – see table below.

| Credit for | Exempt from |
|------------|--------------|
| 2824 | 21911, 21912 |
| 21756 | 22977 |

National Certificate in Saw Doctoring (Level 4) [Ref: 0811]

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| Review category | B | See Key to Qualification Review Categories at the end of report |
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Changes to structure and content

- decrease in credits from 180 to 170
- standard 8337 was added to the compulsory section
- broad Elective 2 was removed.

Transition

People currently working towards version 1 of the National Certificate in Saw Doctoring (Level 4) [Ref: 0811] may complete that version or transfer to version 2. People choosing to complete version 1 of the qualification have until 31 December 2011 to do so. The last date for entry to training programmes or courses for version 1 is December 2008.

It is anticipated that no existing trainees will be disadvantaged by these transition arrangements. Any person who feels they have been disadvantaged by these transition arrangements should contact FITEC who will consider appeals on a case by case basis.

National Certificate in Solid Wood Processing (Level 3) [Ref 0808]

National Certificate in Timber Machining (Size and Gauge) [Ref 0812]

National Certificate in Wood Panels Manufacturing (Level 4) [Ref: 0254] (in part)

National Certificate in Wood Product Manufacturing (Level 3) [Ref: 0815]

National Certificate in Wood Product Manufacturing (Level 4) [Ref 0816]

replaced by

National Certificate in Solid Wood Manufacturing (Level 3) with strands in Engineered Wood Product Operations; Laminated Veneer Lumber (LVL) and Plywood Operations; Planer Operations; Pole and Post Operations; Saw Centre Operations; Timber Drying Operations; Timber Grading Operations; Timber Treatment Operations; Veneer Preparation; and Wood Product Operations [Ref: 1306]

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| Review category | C | See Key to Qualification Review Categories at the end of report |
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There are substantial differences between the new and replaced qualifications. Changes include

- core compulsory standards are common to all sectors
- one strand is required to complete the requirements of the qualification.

Engineered Wood Product Operations Strand

- partial replacement for the National Certificate in Wood Product Manufacturing (Level 3) [Ref: 0815]
- standards 497 and 17964 were removed
- Electives 1, 2 and 3 were removed
- standards 20768 and 21764 were added to the strand compulsory
- standards 4546, 15058, 20751, 4548, 15059, 20769, 20770, and 20771 were added to the strand elective
- standard titles, levels and credits were updated.

Laminated Veneer Lumber (LVL) and Plywood Operations Strand

- partial replacement for the National Certificate in Wood Product Manufacturing (Level 3) [Ref: 0815] and part of the National Certificate in Wood Panels Manufacturing (Level 4) [Ref: 0254]
- standards 497 and 17964 were removed from the compulsory section of the National Certificate in Wood Product Manufacturing (Level 3) [Ref: 0815]
- standards 700 and 727 were moved from Elective 2 of the National Certificate in Wood Product Manufacturing (Level 3) [Ref: 0815] to the strand elective
- remaining Electives 1, 2 and 3 of the National Certificate in Wood Product Manufacturing (Level 3) [Ref: 0815] were removed
- standards 3271, 1277, 9677, 691, 692, 693, 2443, and 8492 were removed from the compulsory section of the National Certificate in Wood Panels Manufacturing (Level 4) [Ref: 0254]
- Elective List A of the National Certificate in Wood Panels Manufacturing (Level 4) [Ref: 0254] was removed
- standard 159 was moved from Elective List B of the National Certificate in Wood Panels Manufacturing (Level 4) [Ref: 0254] to the core compulsory section
- Elective List B of the National Certificate in Wood Panels Manufacturing (Level 4) [Ref: 0254] was removed
- standards 20768 and 17869 were added to the strand compulsory
- standards 5147, 21481, 20751, 4551, 17044, 17203, 695, 697, 698, 699, and 22988 were added to the strand elective
- standard titles, levels and credits were updated.

Planer Operations Strand

- replaced the National Certificate in Timber Machining (Size and Gauge) (Level 3)
- [Ref: 0812]
- standards 669, 675, 684, and 685 were moved to the National Certificate in Timber Machining (Level 4) [Ref: 0813] – standard 675 was also moved to the strand elective (see below)
- standards 497, 662,135, 678, 736, 9774, and 17971 were removed from the compulsory section
- standard 15774 replaced standard 161 in the strand compulsory
- standard 22989 was added to the strand compulsory
- standards 675, 681, and 689 were moved from the compulsory section to the strand elective
- the broad elective section was removed
- standard titles, levels and credits were updated.

Saw Centre Operations Strand

- replaced the National Certificate in Solid Wood Processing (Level 3) [Ref: 0808]
- standards 497, 736, 9774, and 17971 were removed from the compulsory section
- Electives 1, 2, and 4 were removed
- the domains Sawmilling, Timber Grading, Wood Drying, and Wood Preservation were removed from Elective 3
- standards 678, 6928, 6930, 4550, and 4546 were removed from Elective 3
- standard 20752 replaced standards 4552 and 15062
- standard 4551 of elective 3 was moved to Strand Elective 2
- standard 20767 was added to the strand compulsory
- standards 20753 and 23440 were added as Strand Elective 1
- standard 8007 was added to Strand Elective 2

- standard titles, levels and credits were updated
- standard 15825 was removed, however it is included to the Wood Handling and Distribution strand of the National Certificate in Wood Manufacturing Foundation Skills (Level 2) with strands [Ref: 1305]
- standards 1252, 12898, and 12899 were removed, however they are included in the Wood Preparation strand of the National Certificate in Wood Handling and Distribution (Level 3) with strands [Ref: 1308].

Veneer Preparation Strand

- partial replacement for the National Certificate in Wood Product Manufacturing (Level 3) [Ref: 0815]
- standards 497 and 17964 were removed from the compulsory section
- standards 714, 727, 729, 700, 3892, 3893, 7068, 16248, and 16249 were removed from Elective 2
- the domains Timber Machining, Hardboard and Insulating Board Manufacturing, Wood Product Manufacturing and Wood Technology were removed from Elective 2
- standards 713, 715, and 726 were moved to the strand elective
- Elective 3 was removed
- standard 17869 was added to the strand compulsory
- standards 21460, 712, 725, 5147, 19721, and 19723 were added to the strand elective
- standard titles, levels and credits were updated.

Wood Product Operations Strand

- partial replacement for the National Certificate in Wood Product Manufacturing (Level 3) [Ref: 0815] and the National Certificate in Wood Product Manufacturing (Level 4) [Ref: 0816]
- standards 497, 17964, and 17965 were removed
- the domain Wood Product Manufacturing was replaced by a list of standards in the Wood Product Manufacturing Skills domain in the strand elective
- the domains Timber Machining, Hardboard and Insulating Board Manufacturing, Wood Panel Manufacturing Skills, and Wood Technology were removed
- the broad Elective 3 was removed from both qualifications
- standards 5703, 20752, 21765, 22990, and 22991 were added to the strand elective
- standard titles, levels and credits were updated.

Transition

People currently working towards any of the replaced qualifications may either complete the requirements for that qualification by 31 December 2011 or transfer their results to this qualification. The last date for entry to training programmes or courses for the replaced qualifications is December 2008.

It is anticipated that no existing trainees will be disadvantaged by these transition arrangements. Any person who feels they have been disadvantaged by these transition arrangements should contact FITEC who will consider appeals on a case by case basis.

This qualification contains standards that replace earlier standards. For the purposes of this qualification people who have gained credit for the expiring standards are exempt from the requirement to gain credit for the replacement standards – see table below.

| Credit for | Exempt from |
|------------|-------------|
| 135 | 20751 |
| 4550 | 20751 |
| 142 | 21758 |
| 3059 | 21452 |
| 3062, 3063 | 21467 |
| 4552 | 20752 |
| 15062 | 20752 |
| 15768 | 20752 |
| 15057 | 21764 |
| 16296 | 21460 |
| 17045 | 21765 |

National Certificate in Solid Wood Processing (Level 4) with strands in Sawmilling, Timber Grading, Timber Yarding, Wood Drying, and Wood Preservation [Ref: 0809]

National Certificate in Wood Panels Manufacturing (Level 4) [Ref: 0254] (in part)
replaced by

National Certificate in Solid Wood Manufacturing (Advanced) with strands in Laminated Veneer Lumber (LVL) and Plywood Manufacturing; Sawmilling; Timber Drying; Timber Grading; and Timber Treatment [Ref: 1307]

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| Review category | C | See Key to Qualification Review Categories at the end of report |
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There are substantial differences between the new and replaced qualifications. Changes include

- core compulsory standards are common to all sectors
- one strand is required to complete the requirements of the qualification.

Laminated Veneer Lumber (LVL) and Plywood Manufacture Strand

- replaced part of the National Certificate in Wood Panels Manufacturing (Level 4) [Ref: 0254]
- standards 3271, 1277, 9677, 691, 692, 693, 2443, and 8492 were removed
- Elective lists A and B were removed
- standards 701, 21478, 21479, 21480, and 16247 were added to the strand
- standard titles, levels and credits were updated.

Sawmilling Strand

- replaced the Sawmilling strand of the National Certificate in Solid Wood Processing (Level 4) with strands [Ref: 0809]
- standards 497, 155, 157, and 159 were removed from the compulsory section
- Electives 1, 2, and 3 were removed
- the Sawmilling domain was removed from the strand

- standard 15764 and 166 were added to the strand compulsory
- standards 15765, 15766, 15767, 8006, and 22984 were added to the elective section
- standards titles, levels and credits were updated.

Timber Drying Strand

- replaced the Wood Drying strand of the National Certificate in Solid Wood Processing (Level 4) with strands [Ref: 0809]
- standards 497, 155, 157, and 159 were removed from the compulsory section
- Electives 1, 2, and 3 were removed
- the Wood Drying domain was removed from the strand
- standards 21457, 22980, 17869, and 738 were added to the strand compulsory
- standards titles, levels and credits were updated.

Timber Grading Strand

- replaced the Timber Grading strand of the National Certificate in Solid Wood Processing (Level 4) with strands [Ref: 0809]
- standards 497, 155, 157, and 159 were removed from the compulsory section
- Electives 1, 2, and 3 were removed
- standards 5848 and 20756 were added to the strand compulsory
- standard 140 was removed from the strand elective
- standard 22981 was added to the strand elective
- standards titles, levels and credits were updated.

Timber Treatment Strand

- replaced the Wood Preservation strand of the National Certificate in Solid Wood Processing (Level 4) with strands [Ref: 0809]
- standards 497, 155, 157, and 159 were removed from the compulsory section
- Electives 1, 2, and 3 were removed
- the Wood Preservation domain was removed from the strand elective
- standards 21457, 22980, and 17869 were added to the strand compulsory
- standards 152, and 21759 were added to the strand elective
- standard titles, levels and credits have been updated.

Transition

People currently working towards any of the replaced qualifications may either complete the requirements for that qualification by 31 December 2011 or transfer their results to this qualification. The last date for entry to training programmes or courses for the replaced qualifications is December 2008.

It is anticipated that no existing trainees will be disadvantaged by these transition arrangements. Any person who feels they have been disadvantaged by these transition arrangements should contact FITEC who will consider appeals on a case by case basis.

This qualification contains standards that replace earlier standards. For the purposes of this qualification people who have gained credit for the expiring standards are exempt from the requirement to gain credit for the replacement standards – see table below.

| Credit for | Exempt from |
|------------|--------------|
| 140 | 15770, 15771 |
| 3043 | 21457 |
| 706 | 16247 |

National Certificate in Timber Machining (Level 4) [Ref: 0813]

| | | |
|-----------------|----------|---|
| Review category | B | See Key to Qualification Review Categories at the end of report |
|-----------------|----------|---|

Changes to structure and content

- increase in credits from 120 to 180
- the core has been increased to reflect the new focus given to this qualification and its relationship to the prerequisite qualification
- standards 669, 675, 684, and 685 have been moved from the expiring National Certificate in Timber Machining (Size and Gauge) (Level 3) [Ref: 0812]
- standards 690, 8010, and 19719 have been moved from Elective 1 to the compulsory section
- standard 23105 has replaced standards 687 and 16242 in the compulsory section
- the remainder Electives of 1 and 2 removed
- standard titles, levels and credits have been updated.

Transition

People currently working towards version 2 of the qualification may either complete the requirements for that qualification by 31 December 2011, or transfer their results to version 3. The last date for entry to training programmes or courses for version 2 is December 2008.

It is anticipated that no existing trainees will be disadvantaged by these transition arrangements. Any person who feels they have been disadvantaged by these transition arrangements should contact FITEC who will consider appeals on a case by case basis.

This qualification contains standards that replace earlier standards. For the purposes of this qualification, people who have gained credit for the expiring standards are exempt from the requirement to gain credit for the replacement standards – see table below.

| Credit for | Exempt from |
|------------|-------------|
| 687, 16242 | 23105 |

Contact for appeals

Forest Industries Training and Education Council (FITEC)
 PO Box 137067
 PARNELL
 Auckland

Telephone 09 356 7250
 Email feedback@fitec.org.nz

Key to Qualification Review Categories

| | |
|---|--|
| Category A The qualification is published as a new version with the same NQF ID | Changes are made to SSB name, contact details or purpose statement |
| | No change is made to title, rules or components of the qualification |
| | No transition arrangements are required |
| Category B The qualification is published as a new version with the same NQF ID | Changes are made to title, rules or components |
| | The new version of the qualification recognises a similar skill set to that recognised by the previous version |
| | The SSB is confident that people awarded the new or previous version are comparable in terms of competence |
| | Transition arrangements are required if candidates must gain additional/different credits for the new version |
| Category C A new (replacement) qualification is published with new NQF ID | Significant changes are made to the qualification in terms of components, structure, type or level |
| | The SSB views people with the replacement qualification as being significantly different in terms of competence from those with the replaced qualification |
| | Transition arrangements are required |
| | Transition may be limited to phase-out dates |
| Category D Qualification will expire. There is no replacement qualification | Qualification is no longer required by industry |
| | The qualification is designated as expiring and a last date for meeting the qualification requirements is set |