

FIELD ENGINEERING AND TECHNOLOGY

Review of *Infrastructure Works* qualifications

- National Certificate in Civil Plant Operation (Level 3) [Ref: 1325]**
- National Certificate in Infrastructure Works (Bulk Earthmoving) (Level 3) [Ref: 1094]**
- National Certificate in Infrastructure Works (Level 2 or 3) [Ref: 1326]**
- National Certificate in Pavement Surfacing (Asphalt Paving Machine Operation) (Level 3) [Ref: 1429]**
- National Certificate in Pavement Surfacing (Bulk Bitumen Equipment) with strands in Gangbar Sprayer, Handbar Sprayer, and Tank Wagon) (Level 3/4) [Ref: 1427]**
- National Certificate in Pavement Surfacing (Asphalt Production) (Level 4) [Ref: 0466]**
- National Certificate in Pavement Surfacing (Hot Mix Asphalt Design) (Level 5) [Ref: 0467]**
- National Certificate in Pavement Surfacing (Chipseal Design) (Level 5) [Ref: 0196]**
- National Certificate in Pavement Surfacing (Plant Operation) (Level 3) [Ref: 1428]**
- New Zealand Certificate in Infrastructure Works Excavation and Reinstatement (Level 3) [Ref: 1708]**
- National Certificate in Infrastructure Works (Infrastructure Pipelaying Technician) (Level 3) [Ref: 1282]**
- National Certificate in Water Reticulation (Planned and Reactive Maintenance Technician) (Level 3) [Ref: 0962]**
- National Certificate in Water Reticulation (Supervisor) (Level 4) [Ref: 1259]**
- National Certificate in Civil Construction Works (Horizontal Directional Drilling) (Level 3) [Ref: 1480]**

Infrastructure ITO has completed the mandatory review of the qualifications listed above. Ref: 0962 and Ref: 1259 were jointly reviewed with the Primary ITO.

Replacement qualifications

- New Zealand Certificate in Civil Works (Level 4) with strands in Earthworks, Road Construction, Concrete (non-structural), and Road Maintenance [Ref: 2688]**
- New Zealand Certificate in Bituminous Surfacing Construction (Level 4) with strands in Bituminous Mixes, Chipseal, and Slurry [Ref: 2686]**
- New Zealand Certificate in Bituminous Product Manufacturing (Level 4) with strands in Binder Manufacturing Operation, Bituminous Mixes Operation, and Bitumen Spraying Operation [Ref: 2687]**
- New Zealand Certificate in Pipe Installations (Level 4) with strands in Trenched, and Trenchless [Ref: 2694]**
- New Zealand Certificate in Utilities Maintenance (Level 4) with strands in Water, and Wastewater and Stormwater [Ref: 2695]**

Date new versions published

February 2015

The next qualification review is planned to take place during 2019.

Summary of review and consultation process

The review of the above qualifications formed part of the wider Infrastructure Works mandatory review of qualifications which was triggered in April 2012, and completed in February 2015.

The review process included an initial consultation meeting and further working group meetings with mandatory stakeholders including providers and key industry representatives spanning a range of subsectors within infrastructure works. An industry learning needs analysis was developed, including a qualification framework with more clearly defined pathways for the infrastructure works industry.

The review process confirmed that, although, on the whole, current national qualifications for the infrastructure works industry were somewhat meeting the needs of industry, there was a need to provide clear career pathways from entry to management, from one part of the industry to another, and within sectors. The review also reflected on the levels of responsibility of each role and how these are denoted in the levels of the qualifications.

On the whole the replaced qualifications are significantly different in design and content to the replacement qualifications. The new qualifications focus on the technical processes involved in civil works, bituminous manufacturing and construction, utilities maintenance and pipe installation at Level 4.

To ensure flexibility to allow the qualifications to be achieved through a range of contexts and learning pathways, mandatory and optional conditions have been defined without the inclusion of specific unit standards, allowing programme developers to determine appropriate methods of delivery and assessment.

Main changes resulting from the review

National Certificate in Civil Plant Operation (Level 3) [Ref: 1325]

National Certificate in Infrastructure Works (Bulk Earthmoving) (Level 3) [Ref: 1094]

National Certificate in Infrastructure Works (Level 2 or 3) [Ref: 1326]

replaced by

New Zealand Certificate in Civil Works (Level 4) with strands in Earthworks, Road Construction, Concrete (non-structural), and Road Maintenance) [Ref: 2688]

Review category	C	See Key to Qualification Review Categories at the end of report
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National Certificate in Pavement Surfacing (Asphalt Paving Machine Operation) (Level 3) [Ref: 1429]

National Certificate in Pavement Surfacing (Bulk Bitumen Equipment) with strands in Gangbar Sprayer, Handbar Sprayer, and Tank Wagon) (Level 3/4) [Ref: 1427]

National Certificate in Pavement Surfacing (Asphalt Production) (Level 4) [Ref: 0466]

National Certificate in Pavement Surfacing (Hot Mix Asphalt Design) (Level 5) [Ref: 0467]

National Certificate in Pavement Surfacing (Chipseal Design) (Level 5) [Ref: 0196]

National Certificate in Pavement Surfacing (Plant Operation) (Level 3) [Ref: 1428]

replaced by

New Zealand Certificate in Bituminous Surfacing Construction (Level 4) with strands in Bituminous Mixes, Chipseal, and Slurry [Ref: 2686]

New Zealand Certificate in Bituminous Product Manufacturing (Level 4) with strands in Binder Manufacturing Operation, Bituminous Mixes Operation, and Bitumen Spraying Operation [Ref: 2687]

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National Certificate in Civil Construction Works (Horizontal Directional Drilling) (Level 3) [Ref: 1480]

replaced by

New Zealand Certificate in Pipe Installations (Level 4) with strands in Trenched, and Trenchless) [Ref: 2694]

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Transition

The last date for entry into training programmes for the replaced qualifications is 31 December 2015. The last date of assessment for the replaced qualifications is 31 December 2018 when the qualifications will be discontinued. From that date no results can be reported against the qualifications.

People currently working towards achievement of the replaced qualifications may either complete the requirements for those qualifications or transfer their results to the replacement qualification. However, there are substantial differences between the new and replaced qualifications, and it is recommended that candidates complete the qualification in which they are enrolled. For assistance please contact the Infrastructure ITO at the contact details given below.

It is anticipated that no existing candidates will be disadvantaged by these transition arrangements. However, anyone who feels that they have been disadvantaged by these transition arrangements should contact Infrastructure ITO at the address below.

Infrastructure ITO
PO Box 2759
Wellington 6140

Telephone 0800 486 626
Email qualifications@connexis.org.nz
Website <http://connexis.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