

## Qualification details

<b>Title</b>	New Zealand Certificate in Infrastructure Works (Level 3)		
<b>Version</b>	2	<b>Qualification type</b>	Certificate
<b>Level</b>	3	<b>Credits</b>	50
<b>NZSCED</b>	030999	Engineering and Related Technologies > Civil Engineering > Civil Engineering not elsewhere classified	
<b>Qualification developer</b>	Infrastructure ITO (Connexis)		
<p style="color: red;">This qualification has been reviewed and replaced. The last date to meet its requirements is 31 December 2020.</p>			
<b>Approval date</b>	August 2018		
<b>Strategic purpose statement</b>	<p>The purpose of this qualification is to provide the infrastructure works industry with people who have a broad range of infrastructure works skills, including the safe and effective operation of basic plant and equipment.</p> <p>It is the cornerstone qualification for those graduates wanting to move into technical roles in the civil works, surfacing construction and manufacturing, pipe installations and utilities maintenance contexts.</p> <p>Graduates of this qualification are able to work safely in a range of infrastructure works contexts with limited supervision.</p>		
<b>Outcome Statement</b>	<b>Graduate profile</b>	<p>Graduates of this qualification will be able to:</p> <ul style="list-style-type: none"> <li>- Apply safe work practices and comply with environmental requirements on site</li> <li>- Apply quality and industry best practice principles</li> <li>- Operate and maintain small plant and equipment, and secure and transport materials, plant and equipment.</li> </ul>	
	<b>Education pathway</b>	<p>This qualification builds on the New Zealand Certificate in Infrastructure Works (Level 2) [Ref: 2522] and leads to level four qualifications in the Infrastructure and/or Civil Works industries.</p>	
	<b>Employment pathway</b>	<p>Graduates of this qualification will likely be employed as operators in a broad range of sectors within the infrastructure works industry in the following contexts:</p> <ul style="list-style-type: none"> <li>- civil works operations</li> <li>- surfacing operations</li> <li>- underground utilities operations.</li> </ul>	

## Qualification specifications

<p><b>Qualification award</b></p>	<p>This qualification will be awarded by the accredited organisation with whom the graduate has been enrolled.</p> <p>The certificate will display the logos of the NZQF and the accredited organisation.</p>
<p><b>Evidence requirements for assuring consistency</b></p>	<p>Each tertiary education organisation (TEO) is responsible for deciding what specific evidence it will provide to demonstrate how well its graduates meet the graduate profile outcomes at the appropriate threshold.</p> <p>The following evidence may be provided for NZCIW L3 consistency reviews:</p> <ul style="list-style-type: none"> <li>- Internal and external moderation processes and results relating to the assessment of graduate outcomes</li> <li>- Feedback, and actions taken by the TEO in response to feedback</li> <li>- Programme completion data and course results</li> <li>- Any other relevant evidence.</li> </ul> <p>For more information on evidence for consistency relating to this qualification, contact the Quality Assurance team at <a href="mailto:info@connexis.org.nz">info@connexis.org.nz</a>; and refer to <i>Guidelines for approval of New Zealand qualifications for listing on the New Zealand Qualifications Framework</i> at <a href="http://www.nzqa.govt.nz">www.nzqa.govt.nz</a>,</p>
<p><b>Credit transfer and recognition of prior learning arrangements</b></p>	<p>TEOs delivering programmes that lead to the award of this qualification may transfer credit and recognise prior learning in accordance with their own recognition policies and procedures.</p> <p>Credit transfer will be automatic where assessment standards are used for assessment within programmes of study or training leading to this qualification.</p> <p>Recognition of current competence (RCC) acknowledges the skills and knowledge from work and experience, or from courses of study undertaken. Assessment of RCC may be conducted by an assessor appointed by Infrastructure ITO, or by an organisation with consent to assess.</p>
<p><b>Minimum standard of achievement and standards for grade endorsements</b></p>	<p>Achievement of all core components of this qualification.</p> <p>There are no grade endorsements for this qualification.</p>
<p><b>Entry requirements (including prerequisites to meet regulatory body or legislative requirements)</b></p>	<p>It is recommended that, those candidates new to the industry, from school or another industry, or who may already be working in the industry without formal qualifications, achieve the New Zealand Certificate in Infrastructure Works (Level 2) [Ref: 2522] prior to enrolling in this qualification.</p>

## Qualification conditions

### Overarching conditions relating to the qualification

<b>Conditions for programme structure</b>	<p>Included below are mandatory conditions which have been agreed by industry to reflect best practice and must be included in the programme. Further optional conditions have been included to further assist in fulfilling the requirements of the graduate profile outcomes.</p> <p>For more detailed guidelines for programme development (including recommended and mandatory unit standards), contact the qualification developer at: <a href="mailto:qualifications@connexis.org.nz">qualifications@connexis.org.nz</a>.</p>
<b>Conditions for programme context</b>	<p>TEOs offering programmes leading to this qualification must maintain currency with amendments to, and replacements of, relevant legislation, regulations, rules, and Australia/New Zealand standards.</p>
<b>Other conditions</b>	<p>Appropriate licences and endorsements to operate plant and equipment must be attained - D, F, W, T, R.</p> <p>Appropriate traffic management training for the type and level of roads must be attained.</p>

### Specific conditions relating to the Graduate profile

	<b>Qualification outcomes</b>	<b>Conditions</b>	<b>Mandatory or Optional</b>
1	<p>Apply safe work practices and comply with environmental requirements on site.</p> <p>Credits 20</p>	<p>Must include:</p> <ul style="list-style-type: none"> <li>- Health and Safety in Employment Act 1992 (HSE) requirements, hazards, high risks</li> <li>- identification and protection of existing services</li> <li>- knowledge of slinging, lifting, moving, and placing loads using mobile plant</li> <li>- knowledge of the protection and support systems used for excavation on infrastructure works sites.</li> </ul> <p>May include:</p> <ul style="list-style-type: none"> <li>- emergency response</li> <li>- factors relating to a contamination incident.</li> </ul>	<p>Mandatory</p> <p>Optional</p>
2	<p>Apply quality and industry best practice principles.</p>	<p>Must include:</p> <ul style="list-style-type: none"> <li>- monitoring the quality of, and routine inspections of own work</li> </ul>	<p>Mandatory</p>

	Credits 16	<p>area</p> <ul style="list-style-type: none"> <li>- company's quality assurance and quality assurance practices in relation to their own work area</li> <li>- communicating and keeping records, reading and interpreting basic plans and documents appropriate to the job</li> <li>- materials compaction and testing.</li> </ul>	
3	<p>Operate and maintain small plant and equipment, and secure and transport materials, plant and equipment.</p> <p>Credits 14</p>	<p>Must include:</p> <ul style="list-style-type: none"> <li>- safe operation and basic maintenance of <i>at least</i> three types of small plant and equipment.</li> </ul> <p>These do not include large plant and equipment.</p> <p>Small plant and equipment <i>may include</i> but are not limited to: generator, compressor, road saw, pedestrian roller, compaction equipment.</p> <ul style="list-style-type: none"> <li>- Securing and transportation of materials, small plant, and equipment for infrastructure works activities.</li> </ul> <p>This <i>does not</i> include the loading, securing and transport of bulk materials, large plant and equipment, or dangerous goods/hazardous substances.</p>	Mandatory

### Transition information

<b>Replacement information Version 2</b>	<p>This qualification, and the New Zealand Certificate in Infrastructure Works Plant and Equipment Operation (Level 3) with an optional strand in Specialist Plant [Ref: 2521], was replaced by the:</p> <ul style="list-style-type: none"> <li>• New Zealand Certificate in Infrastructure Works (Level 3) with optional strand in Plant Operation [Ref: 3856].</li> </ul>
<b>Replacement information Version 1</b>	<p>This qualification replaced the following qualifications:</p> <ul style="list-style-type: none"> <li>- National Certificate in Infrastructure Works (Level 2) with optional strands in Earthworks, Pavement Surfacing, Roads, Rural Contracting, and Utilities [Ref: 1660]</li> <li>- National Certificate in Infrastructure Works (Bulk Earthmoving) [Ref: 1094]</li> <li>- National Certificate in Infrastructure Works with strands in Concrete Kerb and Channel, Concrete Work, Culverts and Drainage Systems, Interlocking Paving, Retaining Structures, Road Construction, Road</li> </ul>

Maintenance, Road Safety Barrier, Roadside Amenities, and Traffic Signage [Ref:1326]

- National Certificate in Infrastructure Works (Forestry Earthworks) with strands in Bulldozer, Hydraulic Excavator, and Motor Grader [Ref: 1083].

### Version 2

The last date for enrolments into programmes leading to this replaced qualification is 31 December 2019.

The last date for assessments to take place for this replaced qualification is 31 December 2020.

People currently working towards this replaced qualification may either complete its requirements by 31 December 2020 or transfer to the replacement qualification.

It is the intention of Infrastructure ITO that no existing trainee should be disadvantaged by these transition arrangements. Any person who considers they have been disadvantaged may appeal to the Infrastructure ITO (Connexis) at [qualifications@connexis.org.nz](mailto:qualifications@connexis.org.nz) or 04 499 9144.

### Version 1

This version of the qualification was listed in 2014. The national qualifications that it replaced are no longer available.

## Republication information

Version 1 of this qualification was republished in April 2016 to extend the last date of enrolment into programmes leading to the National Certificate in Infrastructure Works (Level 2) with optional strands in Earthworks, Pavement Surfacing, Roads, Rural Contracting, and Utilities [Ref: 1660] from 31 December 2015 to 31 December 2016.

Version 1 of this qualification was republished in July 2015 to update the Other Conditions to align across the qualification suite.