

National Certificate in Civil Construction Supervision (Level 4)

Level	4
Credits	188

This qualification has been **reviewed**. The last date to meet the requirements is 31 December 2015.

Purpose

This national certificate recognises the knowledge and skills required by people supervising one or more sites in the civil construction industry. The recognition of similar sector-specific skills and knowledge used in the roles of foreperson and supervisor has allowed the civil infrastructure industry to review and combine the technical skills in this qualification.

The civil infrastructure industry recognises the complexity of large sites and multiple sites. Industry has therefore designed this qualification to be complemented by either the National Certificate in First Line Management (Communications and Quality) (Level 3) [Ref: 0743] or its replacement, or the National Certificate in First Line Management (Level 4) [Ref: 0649]. The most appropriate level of First Line Management required would depend on the role and responsibilities of individuals and the site/s they supervise. Neither of these qualifications are prerequisites or requirements for award of this qualification.

The Core Compulsory section recognises the skills and knowledge required to coordinate civil construction subcontractors; organise the supply and storage of materials; prepare and maintain records; plan and supervise site drainage and dewatering work; set out levels and positions; liaise with client, consultant, and service authority on behalf of civil construction contractor; understand quality assurance requirements; and inspect civil construction plant and equipment.

This qualification contains two elective sections. The first section recognises the underpinning skills and knowledge from a number of industry sectors, such as Earthworks, Civil Plant Management, Road Construction and Roving Maintenance. The second elective section recognises skills and knowledge relating to health, safety, and environment, first aid, and temporary traffic management. Companies and individuals are encouraged to select skills and knowledge to suit the work undertaken and meet their requirements under Health and Safety in Employment legislation.

People awarded this qualification will also be able to supervise a single site. If, within the requirements of the first elective section, they achieve credit for standard 6443, *Supervise civil construction activities on multiple sites*, they will also have demonstrated competence in the knowledge and skills required to supervise multiple sites.

The National Certificate in Civil Plant Operation with strands in Culverts and Drainage Systems; Earthworks; Road Construction; and Road Maintenance [Ref: 1325] and the National Certificate in Civil Construction Works with strands in Concrete Kerb and Channel; Concrete Work; Culverts and Drainage Systems; Interlocking Paving, Retaining Structures; Road Construction; Road Maintenance; Road Safety Barrier; Roadside Amenities; and Traffic Signage [Ref: 1326] are not prerequisites to this qualification but the knowledge and skills gained in attaining them would assist anyone looking to complete this qualification.

Replacement Information

This qualification and the National Certificate in Pavement Surfacing (Single Site Supervision) (Level 4) with strands in Asphalt, and Chipseal [Ref: 1430] have been replaced by the National Certificate in Infrastructure Works Supervision with optional strands in Asphalt Surfacing, Chipseal Surfacing, Civil Works and Utilities, Road Works, Water, and Wastewater [Ref: 1658].

This qualification replaced the National Certificate in Civil Construction Works (Foreperson) with optional strands in Kerb and Channel, Concreting, High Capacity Highways, and Roothing [Ref: 0208] and the National Certificate in Civil Construction Supervision with optional strands in Demolition, Drainage, Earthworks, Survey and Set Out, High Capacity Highways, Road Construction, Road Maintenance, Traffic, and Training [Ref: 0209].

Credit Range

	Compulsory	Elective 1	Elective 2
Level 1 credits	-	-	0-8
Level 2 credits	-	-	0-8
Level 3 credits	7	0-3	10-18
Level 4 or above credits	83	77-80	10-18
Minimum totals	90	80	18

Requirements for Award of Qualification

Award of NZQF National Qualifications

Credit gained for a standard may be used only once to meet the requirements of this qualification.

Unit standards and achievement standards that are equivalent in outcome are mutually exclusive for the purpose of award. The table of mutually exclusive standards is provided on the New Zealand Qualifications Authority (NZQA) website: <http://www.nzqa.govt.nz/qualifications-standards/standards/standards-exclusion-list/>.

Reviewed standards that continue to recognise the same overall outcome are registered as new versions and retain their identification number (ID). Any version of a standard with the same ID may be used to meet qualification requirements that list the ID and/or that specify the past or current classification of the standard.

Summary of Requirements

- Compulsory standards
- Elective 1 – A minimum of 80 credits as specified

- Elective 2 – A minimum of 18 credits as specified

Detailed Requirements

Compulsory

The following standards are required

Engineering and Technology > Civil Plant Operation and Management > Civil Plant Management

ID	Title	Level	Credit
6436	Inspect civil construction plant and equipment	4	5

Engineering and Technology > Civil Works and Services > Civil Construction Supervision

ID	Title	Level	Credit
6428	Demonstrate knowledge of engineering survey and set-out for civil construction work	4	20
6442	Supervise civil construction activities on a single site	4	10
6455	Supervise civil construction subcontractors	4	8
6456	Organise the supply and storage of materials for civil construction	3	4
12568	Plan and supervise site drainage and dewatering work on civil construction sites	4	8
22294	Set out levels and positions in civil construction projects	4	10
22992	Prepare and maintain records for civil construction works	4	10

Engineering and Technology > Civil Works and Services > Civil Construction Works

ID	Title	Level	Credit
22290	Demonstrate knowledge of quality assurance requirements on civil construction works	3	3

Engineering and Technology > Civil Works and Services > Civil Project Management

ID	Title	Level	Credit
6434	Liaise with client, consultant, and service authority on behalf of civil construction contractor	4	12

Elective 1

A minimum of 80 credits

Engineering and Technology > Civil Plant Operation and Management > Civil Plant Management

ID	Title	Level	Credit
6437	Manage the hire of civil construction plant and equipment	4	8

ID	Title	Level	Credit
6441	Cost civil plant for purchase, lease or hire for a project	4	15
6464	Manage civil plant and equipment	4	8

Engineering and Technology > Civil Works and Services > Civil Construction Supervision

ID	Title	Level	Credit
6427	Allocate plant, equipment, and vehicles to civil construction projects	4	8
6435	Notify members of the public affected by civil construction activities	3	3
6443	Supervise civil construction activities on multiple sites	5	15
6450	Apply plans and specifications to calculate quantities for civil construction projects	4	8
6451	Implement notifiable work and permit requirements on civil construction works	4	5
12564	Supervise earthworks preparation for civil construction	4	8
17320	Supervise civil construction earthworks	4	15
17321	Supervise subsoil and culvert drainage on civil construction works	4	15
22292	Demonstrate knowledge of field sampling for testing of civil construction materials	4	10
22293	Demonstrate knowledge of pavement stabilisation on civil construction sites	4	10

Engineering and Technology > Highway Construction and Maintenance > Road Construction

ID	Title	Level	Credit
12572	Supervise the construction of road pavement layers	4	30

Engineering and Technology > Highway Construction and Maintenance > Road Maintenance

ID	Title	Level	Credit
11321	Plan and supervise road maintenance contracts	5	15

Elective 2

A minimum of 18 credits

- Of which a minimum of 10 credits at Level 3 or above

Engineering and Technology > Highway Construction and Maintenance > Temporary Traffic Management

ID	Title	Level	Credit
5627	Operate as a Traffic Controller (TC) for low volume and Level 1 roads	3	4
5628	Operate as a Site Traffic Management Supervisor (STMS) for low volume and Level 1 roads	5	3
20879	Operate as a Site Traffic Management Supervisor - Non Practising (STMS-NP) for Level 2 and 3 roads	5	3

Health > Health Studies > Core Health

ID	Title	Level	Credit
6400	Manage first aid in emergency situations	3	2
6401	Provide first aid	2	1
6402	Provide resuscitation level 2	1	1

Field	Subfield	Domain
Engineering and Technology	Civil Works and Services	Civil Infrastructure Health, Safety, and Environment
Health	Occupational Health and Safety	Occupational Health and Safety Practice

Transition Arrangements**Version 2**

Version 2 was issued to indicate that this qualification is expiring.

This qualification and the National Certificate in Pavement Surfacing (Single Site Supervision) (Level 4) with strands in Asphalt, and Chipseal [Ref: 1430] have been replaced by the National Certificate in Infrastructure Works Supervision with optional strands in Asphalt Surfacing, Chipseal Surfacing, Civil Works and Utilities, Road Works, Water, and Wastewater [Ref: 1658].

For detailed information see [Review Summaries](#) on the NZQA website.

This qualification contains First Aid standards that have been replaced by later standards. Reverse transition has been included in this qualification to allow candidates to complete the qualification using either the expiring standards or the replacement standards.

For the purpose of this qualification, people who have gained credit for the replacement standards are exempt from the requirement to gain credit for the expiring standards – see table below.

Credit for	Exempt from
26551, 26552	6400
26552	6401
26551	6402

Previous versions of the qualification

Version 1 of this qualification replaced the National Certificate in Civil Construction Works (Foreperson) with optional strands in Kerb and Channel, Concreting, High Capacity Highways, and Roothing [Ref: 0208] and the National Certificate in Civil Construction Supervision with optional strands in Demolition, Drainage, Earthworks, Survey and Set Out, High Capacity Highways, Road Construction, Road Maintenance, Traffic, and Training [Ref: 0209].

Summary of differences between this qualification and the National Certificate in Civil Construction Works (Foreperson) with optional strands in Kerb and Channel, Concreting, High Capacity Highways, and Roothing [Ref: 0208].

- Core compulsory section
 - Credit total decreased from 120 to 90.
 - Standards 7744, 17499, and 17500 replaced by standards 22992, 22294, and 22290 respectively.
 - Standards 6471, 6479, 7108, 8559, 12565, 17319, 17325, 17328, 17330, and 17331 removed.
 - Standards 6428, 6434, 6442, 6455 and 6456 added.
 - Standards 6435, 6451, and 12564 were moved to, and 17321 added to, Elective 1.
 - Standard 5627 moved to Elective 2.
- Two elective lists have been added with minimum credit totals of 80 and 18 respectively.
 - Standards 6427, 6437, 6441, 6443, 6450, 6464, 11321, 17320, 22292 and 22293 added to Elective 1.
 - Standards 5628, 6400, 6401, 6402, 20879, and choices of standards from the domains of Civil Infrastructure Health, Safety, and Environment; and Occupational Health and Safety Practice added within Elective 2.
 - Standard 12572 moved from the Roothing Optional Strand to Elective 1.
- No optional strands exist in the new qualification, and all standards within optional strands except standard 12572 have been removed.
- Total credit values, excluding optional strands, have been increased from 120 to 188.

Summary of differences between this qualification and the National Certificate in Civil Construction Supervision with optional strands in Demolition, Drainage, Earthworks, Survey and Set Out, High Capacity Highways, Road Construction, Road Maintenance, Traffic, and Training [Ref: 0209].

- Core compulsory section
 - Credit total decreased from 182 to 90.

- Standard 12568 added.
- Standards 7743, 17499, and 17500 replaced by unit standards 22992, 22294 and 22290 respectively
- Standards 6430, 6454, 6479, 7108, 11323 and 12563, removed.
- Standards 6427, 6435, 6437, 6443, 6450, 6451, 6464 and 12564 moved to Elective 1.
- Standards 5628, 6401 and 6402 moved to Elective 2
- Standard 12567 replaced by standard 22292 and moved to Elective 1.
- Two elective sections added, with minimum credit totals of 80 and 18 respectively.
 - Standard 6441 added to Elective 1.
 - Standards 5627, 6400, and choices of standards from the domains of Civil Infrastructure Health, Safety; and Environment; and Occupational Health and Safety Practice added to Elective 2.
- Standard 6428 moved from Survey and Set Out Optional Strand to the Core Compulsory section.
- Standards 11321, 12572, 17320 and 17321 moved from the Drainage, Earthworks, Road Construction and Road Maintenance Optional Strands to the Elective 1 section.
- Standard 5630 from the High Capacity Highways Optional Strand replaced by standard 20879 and moved to Elective 2.
- Standard 17323 from the Road Construction Optional Strand replaced by standard 22293 and moved to the Elective 1.
- Remaining standards 111, 2780, 2784, 5958, 7104, 11322, 12569, 12570, 12571, 17322, 17324 and 17326 from optional strands removed.
- No optional strands exist in the new qualification.
- Total credit values, excluding optional strands, have been increased from 182 to 188.

People currently working towards either of the replaced qualifications may either complete the requirements for that qualification or transfer their results to this one. As barriers to completion may be present in the replaced qualifications, and the new qualification has been designed to consider recent and possible future industry requirements and trends, individuals currently enrolled in the replaced qualifications should check the degree to which the standards they have achieved will satisfy the requirements of the new qualification, and consider transferring to it. Aspects of the new qualification design include improved flexibility from a smaller core compulsory section and two elective sections, and a greater emphasis on health, safety and environment. If transferring, candidates will need to gain credit for the additional unit standards required.

InfraTrain New Zealand and the civil infrastructure sector will continue to recognise all previously registered qualifications.

The last date for entry to training programmes or courses for the replaced qualifications is 31 December 2007. The last date for assessment of the replaced qualifications is 31 December 2010.

InfraTrain New Zealand intends that no existing candidate is disadvantaged by this review. Any person who feels disadvantaged by the transition should contact InfraTrain New Zealand at the address below.

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

Credit for	Exempt from
5630	20879
6444	17320
6445	17321
6446	22294
17499	22294
6474	22290
17500	22290
6448	22293
17323	22293
7743, 7744	22992
12567	22292

NZQF National Qualification Registration Information

Process	Version	Date	Last Date for Assessment
Registration	1	October 2007	December 2015
Review	2	May 2011	December 2015

Standard Setting Body

InfraTrain New Zealand
PO Box 2759
Wellington 6140

Telephone 0800 486 626
Email askus@infratrains.co.nz

Other standard setting bodies whose standards are included in the qualification

NZQA

Certification

This certificate will display the logos of NZQA, InfraTrain New Zealand and the organisation that has been granted consent to assess against standards that meet the requirements of the qualification (accredited).

Classification

This qualification is classified according to the classification system listed on the Directory of Assessment Standards (DAS) and the New Zealand Standard Classification of Education (NZSCED) system as specified below.

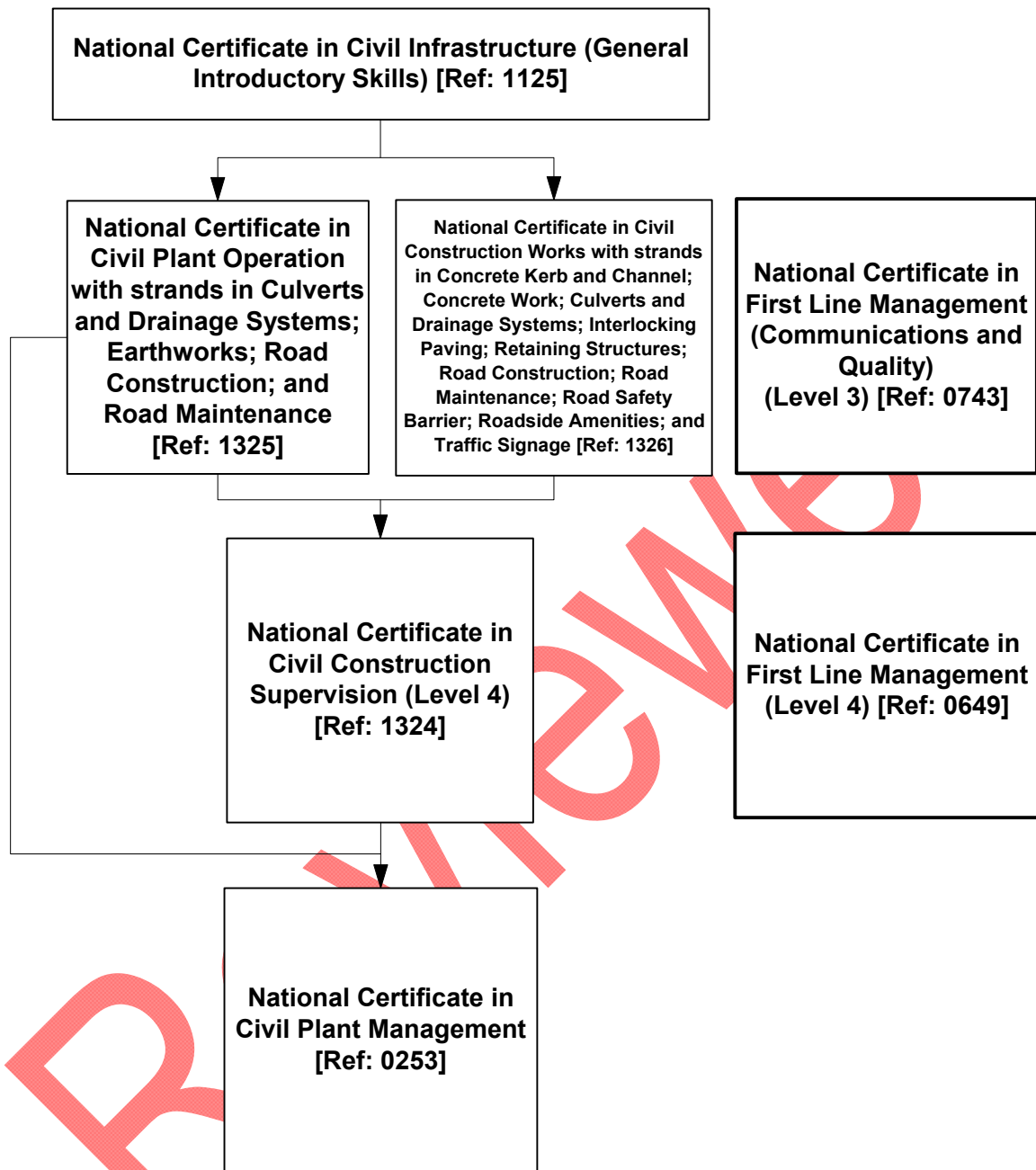
DAS Classification		NZSCED	
Code	Description	Code	Description
1098	Engineering and Technology > Civil Works and Services > Civil Construction Supervision	030999	Engineering and Related Technologies > Civil Engineering > Civil Engineering not elsewhere classified

Quality Management Systems

Providers and Industry Training Organisations must be granted consent to assess by a recognised Quality Assurance Body before they can register credits from assessment against standards. Organisation with consent to assess and Industry Training Organisations assessing against standards must engage with the moderation system that applies to those standards. Consent to assess requirements and the moderation system are outlined in the associated Consent and Moderation Requirements (CMR) for each standard.

Review

Qualification Relationship Diagram



Key

Complementary First Line Management qualifications