

## Field Civil, Electrical and Mechanical Engineering Practices and Infrastructure Industries

### Change of name and republication of unit standards, qualifications and CMR's developed by InfraTrain to Infrastructure ITO

Title	Ref
National Certificate in Pavement Surfacing (Asphalt Paving Supervision)	0193
National Certificate in Pavement Surfacing (Bitumen Sprayer Operation)	0195
National Certificate in Pavement Surfacing (Chipseal Design)	0196
National Certificate in Pavement Surfacing (Chipseal Supervision)	0197
National Certificate in Rural Contracting (Introductory Skills)	0228
National Certificate in Agrichemical Application	0229
National Certificate in Agricultural Contracting	0230
National Certificate in Civil Plant Management	0253
National Certificate in Surveying (Assistant) (Level 3)	0432
National Diploma in Surveying (Level 6)	0453
National Certificate in Design (Introductory Skills)	0461
National Certificate in Design	0462
National Certificate in Pavement Surfacing (Application)	0465
National Certificate in Pavement Surfacing (Asphalt Production)	0466
National Certificate in Pavement Surfacing (Hot Mix Asphalt Design)	0467
National Certificate in Pavement Surfacing (Plant Operation)	0468
National Diploma in Design	0567
National Diploma in Professional Practice in Design and Construction Consultancy	0586
National Diploma in Engineering (Process and Materials Engineering)	0592
National Certificate in Design (Draughting)	0640
National Certificate in Property Consultation and Valuation (Technician)	0657
National Certificate in Engineering and Technology (for the Design and Construction Sector)	0672
National Certificate in Design (Technician)	0682
National Certificate in Civil Engineering - Asset Management (Operations)	0760
National Diploma in Infrastructure Asset Management	0761
National Diploma in Civil Engineering - Asset Management (Strategic)	0762
National Postgraduate Certificate in Professional Practice in Design and Construction Consultancy (International Consultancy)	0795
National Certificate in Civil Works and Services (Road Opening - Trenching)	1000
National Certificate in Civil Works and Services (Road Opening - Site Co-Ordination)	
National Certificate in Civil Works and Services (Road Opening - Site Co-Ordination)	1001
National Certificate in Civil Engineering - Asset Management (Competitive Pricing Procedures)	1041
National Certificate in General Contracting (Training and Assessment)	1061
National Certificate in Infrastructure Works (Forestry Earthworks)	1083
National Certificate in Demolition (Introductory Skills)	1085
National Certificate in Demolition (Equipment Operator)	1086
National Certificate in Demolition (Site Supervisor)	1087
National Certificate in Infrastructure Works (Bulk Earthmoving)	1094
National Certificate in Civil Infrastructure Health, Safety, and Environment (Operations)	1178
National Certificate in Civil Infrastructure Health, Safety, and Environment (Supervision)	1179
National Certificate in Infrastructure Works (Infrastructure Pipelaying Technician) (Level 3)	1282
National Diploma in Civil Engineering (Applied)	1292

National Certificate in Roadmarking (Assistant)	1301
National Certificate in Roadmarking (Senior Operator)	1302
National Certificate in Roadmarking (Operator)	1303
National Certificate in Civil Construction Supervision	1324
National Certificate in Civil Plant Operation	1325
National Certificate in Infrastructure Works	1326
National Certificate in Pavement Surfacing (Multiple Sites Supervision)	1426
National Certificate in Pavement Surfacing (Bulk Bitumen Equipment)	1427
National Certificate in Pavement Surfacing (Plant Operation)	1428
National Certificate in Pavement Surfacing (Asphalt Paving Machine Operation)	1429
National Certificate in Pavement Surfacing (Single Site Supervision)	1430
National Certificate in Surveying (Hydrographic Surveying)	1444
National Certificate in Civil Construction Works (Horizontal Directional Drilling)	1480
National Certificate in Infrastructure Civil Engineering (Laboratory Technician)	1643
National Certificate in Infrastructure Civil Engineering (Senior Laboratory Technician)	1644
National Certificate in Infrastructure Works (Contract Management)	1653
National Certificate in Infrastructure Works Supervision	1658
National Certificate in Infrastructure Works Supervision	1659
National Certificate in Infrastructure Works	1660
New Zealand Certificate in Infrastructure Works Excavation and Reinstatement	1708
New Zealand Certificate in Infrastructure Civil Engineering (Procurement Procedures) (Level 6)	1785

### Agriculture, Forestry and Fisheries > Rural Contracting

Domain	Standard IDs
Agrichemical Application	6236-6242, 6245-6247, 17232, 23617-23620
Agricultural Contracting	6255, 6257, 6260, 6261, 6264-6267, 6269, 6270, 6273, 6275-6278, 6283, 6284, 6286, 6290, 19561-19564, 19569-19571, 19574-19578, 23621-23636, 23638, 23639

### Engineering and Technology > Civil Engineering

Domain	Standard IDs
Civil Engineering - Asset Management	17291-17297, 17299, 17306, 17307
Civil Engineering - Generic	11417-11426, 11430, 17298, 17301, 23410
Civil Engineering - Roothing	11434-11444
Civil Engineering - Waste Management	11427, 11428, 11431, 11433
Infrastructure Asset Management	11429, 17300, 17305, 17308, 23589-23592, 26155, 26156

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

<b>Domain</b>	<b>Standard IDs</b>
Civil Plant Management	6436, 6438-6440, 6464
Civil Plant Operation	6465-6468, 8560, 16158, 17309-17317, 19675, 20484, 20627, 22269-22273, 22275-22282

**Engineering and Technology > Civil Works and Services**

<b>Domain</b>	<b>Standard IDs</b>
Civil Construction Supervision	6428, 12564, 12568, 17320, 22292-22294, 22992
Civil Construction Works	6471, 6476, 6478, 6480, 6482, 6484, 17328, 17501, 20477, 20480-20483, 20485, 22284, 22285, 22993, 23278-23282, 23284, 23286, 25396, 25445, 25831-25833
Civil Infrastructure Health, Safety, and Environment	20866-20873, 20876, 20877
Civil Project Management	6429, 6431, 6432, 11323, 12566
Demolition	20211-20217, 20435-20438

**Engineering and Technology > Design**

<b>Domain</b>	<b>Standard IDs</b>
Graphic Design	2081, 2082, 2085, 2086, 2097, 2098, 2108, 15348, 16531, 16532
Professional Practice in Design and Construction Consultancy	2065, 2087, 2088, 2090, 2091, 15037, 15038, 15193-15196, 17565-17567

**Engineering and Technology > Engineering**

<b>Domain</b>	<b>Standard IDs</b>
Generic Engineering	11380-11384, 11402-11416, 11557, 12634, 12635, 12811
Process and Materials Engineering	11336-11379

**Engineering and Technology > Highway Construction and Maintenance**

<b>Domain</b>	<b>Standard IDs</b>
Road Construction	6483, 6486, 12570, 12572, 17330, 22289
Roading Maintenance	11303-11313, 11315-11317, 11319, 11321, 22286-22288, 22291
Roadmarking	15925, 15931, 15932, 15934-15943, 18043-18054, 21418-21432
Temporary Traffic Management	5627-5629, 5631, 20878-20880

**Engineering and Technology > Infrastructure Civil Engineering**

<b>Domain</b>	<b>Standard IDs</b>
Infrastructure Asset Management	18925-18928, 18930
Infrastructure Laboratory	26628-26683

**Engineering and Technology > Infrastructure Works**

<b>Domain</b>	<b>Standard IDs</b>
Civil Plant Operation	20625, 23637, 26169, 26170
Generic Infrastructure Works	6450, 6452, 6472, 6475, 6477, 6479, 17327, 20875, 22283, 22290, 23283, 23288, 23289, 26719, 26782, 26786, 26788, 26790, 26792, 27327-27329, 27501, 27502, 27907
Generic Road Works	6485, 12569, 15930, 26787
Infrastructure Civil Works	6453, 20616, 20624, 26785
Infrastructure Works Equipment	6469, 6470, 20626, 20628, 23285, 26717, 26718, 27500
Infrastructure Works Health, Safety, and Environment	20874, 26720, 27201, 27202
Infrastructure Works Management	6430, 6433, 6437, 6441, 25871, 25872
Infrastructure Works Supervision	6427, 6434, 6435, 6442, 6443, 6451, 6455, 6456, 26780, 26781, 26783, 26784, 26793-26798
Infrastructure Works Utilities	20474-20476

**Engineering and Technology > Pavement Surfacing**

<b>Domain</b>	<b>Standard IDs</b>
Asphalt Surfacing	1508-1510, 1512, 13514, 13515, 13518, 13519, 13521, 17672, 20443-20448, 21665, 21666, 23611, 23612
Bitumen Surfacing	1502, 20449, 20450, 20455, 20456, 20458-20460, 20463
Chipseal Surfacing	1505, 1507, 8021, 13517, 13520, 17670, 17671, 20451-20454, 20461, 20462, 21664, 23613-23616

**Planning and Construction > Surveying**

<b>Domain</b>	<b>Standard IDs</b>
Geodetic Surveying	11131, 11133, 11134, 23859-23862, 26298
Geographic Information Systems and Cartography	8975-8981, 16669, 23863-23865
Hydrography	11135-11151, 23866-23869
Subdivisional Design	11152, 11153, 23870
Surveying - Photogrammetry and Remote Sensing	8787-8797, 8982-8985, 16668, 23882, 23883
Survey - Land Administration and Applied Resource Management	8772, 8773, 8779-8786, 23871, 23872
Survey Practice	8762-8766, 8774-8778, 8798-8801, 23873-23881
Titles and Survey Compliance	17220, 17223-17225, 19536-19539, 23884, 23885

**Service Sector > Driving**

<b>Domain</b>	<b>Standard IDs</b>
Driver Licence Endorsements	16701-16703

**Service Sector > Property Consultation and Valuation**

<b>Domain</b>	<b>Standard IDs</b>
Property Technician	15063-15066
Valuation Technician	15067, 15069

**Engineering and Technology > Electrical Engineering**

Domain	Standard IDs
Electrotechnology	27480-27482

**Engineering and Technology > Engineering**

Domain	Standard IDs
Generic Engineering	27472, 27476

**Engineering and Technology > Infrastructure Civil Engineering**

Domain	Standard IDs
Generic Infrastructure Civil Engineering	27473-27475

**Engineering and Technology > Mechanical Engineering**

Domain	Standard IDs
Applied Principles of Mechanical Engineering	27477-27479

**Date versions republished****January 2014****Summary**

Pursuant to section 5 of the Industry Training Act 1992, responsibility for above qualifications and standards was transferred from InfraTrain to Infrastructure ITO following the merger on October 2013. Therefore documents have been republished to show Infrastructure ITO as the SSB.

Please note: no other changes have been made qualifications or standards.

**Impact on Consent and Moderation Requirements (CMRs)**

References to InfraTrain in CMR/AMAP Ref: 0101 and 0234 have been updated to Infrastructure ITO.