

**New Zealand Certificate in Electricity Supply (Introductory) (Level 2) with strands in Electricity Supply and Telecommunications [Ref: 2136] 40-44 credits**

The qualification was approved in 2013, replacing the National Certificate in Electricity Supply (Level 2). The strands were added in 2016 in version 2 of the qualification.

The common core consists of 18 credits in health, safety and principles of Electricity Supply. The strand in Electricity Supply has 26 credits in industry regulations and tasks in ESI. The strand in Telecommunications is 22 credits in working on telecommunications assets.

Connexis and MITA Consulting have programmes leading towards this qualification.

**Graduates**

Year	2016	2017	2018	2019
Number	1758 (NZQA)	648 (NZQA)	235 (NZQA)	112 ES 3 Telco (Connexis data)

**Excerpts from the Consistency Review Report**

A Consistency Review was held in October 2019. Connexis provided a range of evidence to the NZQA reviewer to demonstrate that their graduates met the graduate profile outcomes. National consistency was confirmed.

Evidence related to the programme, assessment, and Connexis’s processes demonstrated that the organisation was taking reasonable steps to ensure that graduates match the GPOs.

No issues or concerns were identified in this review.

**Current trainees**

On 16 January 2020 there were 89 trainees enrolled in the Connexis programme, from 22 companies. Only 18 were completing the programme in the expected time.

**Programme**

Connexis recommends the inclusion of Level 1 and 2 unit standards in the programme. Currently there are standards from levels 1 – 4 in both ES and Telco programmes.

**Summary of Graduate survey 2019**

<i>41 people responded to the survey</i>	positive
Has achieving the New Zealand Certificate in Electricity Supply (Introductory) (Level 2) increased your career opportunities?	66%
Are you able to use the training and skills you gained during NZC Electricity Supply (Introductory) in your job?	95%
If yes: How useful was this in your job? Extremely (15%), Very (42%), Somewhat (37%)	57%
How useful did you find the skills learnt during the qualification in terms of understanding how health and safety is applied to the Electricity Supply Industry? Extremely (22%), Very (56%), Somewhat (17%)	78%
At the completion of your qualification were you able to demonstrate a foundation understanding of the principles of generation, transmission and distribution in the Electricity Supply Industry? Extremely (22%), Very (63%), Somewhat (10%)	85%
If you were a Graduate of the Electricity Supply strand, how confident are you, you are able to understand how the Electricity Act, regulations and industry rules and guides govern industry practice? Very (41%), Somewhat (46%)	87%
If you were a Graduate of the Electricity Supply strand, how confident are you that you can competently apply knowledge to tasks within the Electricity Supply Industry with appropriate supervision?	95%

**Comments**

- This is a good introduction to the industry for new trainees.
- Really good support and guidance around the qualification and targetting my thinking in the right place
- As a stand alone qualification it seems to lack value to employers who will require that you retread the unit standards to ensure competency.
- Unit standards have too many double ups. Seems like I did the same unit multiple times for no apparent reason other than I required it for my qualification.

13 respondents had achieved another qualification after the NZC ES (L2).

63% respondents were still working at the firm they completed their training with. About half of those who had changed firms were still with Electricity Supply.

**Summary of Employer survey 2019**

<i>8 people responded</i>	positive
Do you agree the Connexis workplace programme leading to the New Zealand Certificate in Electricity Supply (Introductory) (Level 2) qualification is suitable for your business?	88%
Did your internal workplace training, day to day activities and the Connexis workplace programme, leading to the New Zealand Certificate in Electricity Supply (Introductory) (Level 2) qualification align well together?	88%
Was the workplace assessment process suitable and sufficient to confirm graduates did gain the skills and knowledge outlined in the standards leading to the qualification?	88%
Were the graduates able to use the training and skills they gained during the Introductory Electricity Supply qualification in their job?	75%
At the completion of your employees' qualification, were you confident they could apply the skills learnt during the qualification, in terms of understanding how health and safety are applied to the Electricity Supply Industry?	88%
How confident are you in the graduates' ability to demonstrate a foundation understanding of the principles of generation, transmission and distribution in the Electricity Supply Industry?	75%
If you had Graduates of the Electricity Supply strand, how confident are you in the graduates' ability to understand how the Electricity Act, regulations and industry rules and guides govern industry practice?	50%
If you had Graduates of the Electricity Supply strand, how confident are you in the graduates' ability to understand how the Electricity Act, regulations and industry rules and guides govern industry practice?	88%
Overall, are you satisfied that your employees met the graduate profile outcomes and were proficient at their job at the completion of the Electricity Supply (Introductory) qualification?	88%
Do you agree having employees completing the Introductory Electricity Supply qualification has assisted your business?	75%
Are you likely to sign further employees up onto the programme leading to the Electricity Supply (Introductory) (Level 2) qualification?	63%

**Comments**

- I feel their exposure to testing is limited and the expectation is put back into the companies. A lot of the older linesmen fail to complete the right tests resulting in the trainees not getting adequate exposure and training.
- This qualification is worth 46 credits and still the same cost as a 250 credit qualification
- I would like to see more time and effort put into and understanding test results and fault finding. Arming the trainees with the knowledge to understand why they may be getting certain results.

### Proposed programmes

<b>Connexis programme with ES strand (48 -&gt; 40 credits)</b>		L	CR
<b>Core</b>			<b>17</b>
6401	Provide first aid <i>Skills Org</i>	2	1
6402	Provide basic life support <i>Skills Org</i>	1	1
10507	Use personal protective equipment in an electricity supply environment	2	4
10508	Identify electricity systems used in the electricity supply industry	2	6
18038	Describe health and safety duties on electricity supply sites	2	5
<b>ES strand</b>			<b>31</b>
			<b>23</b>
12300	Demonstrate knowledge of safety statutes and codes used in the electricity supply industry	2	6
17026	Demonstrate knowledge of safe entry into restricted areas in an electricity supply site	2	6
18275	Describe the major sectors in the New Zealand electricity supply industry and the relationships between them	2	2
20092	Demonstrate knowledge of plant and equipment in electricity supply networks	2	4
28020	Demonstrate knowledge of safe working electrical practices for Electricity Supply Workers	2	5
<del>30265</del>	<del>Apply health and safety to a job role <i>Skills Org</i></del>	<del>3</del>	<del>8</del>

<b>Connexis programme with Telco strand (40 credits)</b>		L	CR
<b>Core</b>			<b>17</b>
6401	Provide first aid <i>Skills Org</i>	2	1
6402	Provide basic life support <i>Skills Org</i>	1	1
10507	Use personal protective equipment in an electricity supply environment	2	4
10508	Identify electricity systems used in the electricity supply industry	2	6
18038	Describe health and safety duties on electricity supply sites	2	5
<b>Telco strand</b>			<b>23</b>
12300	Demonstrate knowledge of safety statutes and codes used in the electricity supply industry	2	6
17026	Demonstrate knowledge of safe entry into restricted areas in an electricity supply site	2	6
17459	Demonstrate and apply knowledge of safe manual handling practices in the workplace	2	3
20877	Demonstrate knowledge of working safely at sites under temporary traffic management <i>Expiring – replace with 31957 General Worker TTM? (3 cr)</i>	2	2
31760*	Demonstrate knowledge of the New Zealand telecommunications industry	2	6

\*Suggested replacement for US 27913 Demonstrate basic knowledge of telecommunications concepts (L2, 10 cr).