



## **National Certificate in Electricity Supply (Utility Arborist) (Level 2) with an optional strand in Insulated Tool Work**

<b>Level</b>	<b>2</b>
<b>Credits</b>	<b>46</b>

### **Purpose**

This national certificate is awarded to people who have demonstrated competence in the basic skills and knowledge required for employment in the electricity supply industry as a utility arborist undertaking vegetation control.

This qualification is intended for qualified arborists with sufficient arboriculture work experience to undertake vegetation control in the proximity of electricity supply lines. They will therefore already have all the necessary arborist skills required for undertaking vegetation control; the intention of this qualification is not to deliver any further arborist skills but to ensure they can work safely around electricity supply lines. Arborists holding this qualification will have sufficient knowledge of electricity systems, health and safety, and electricity industry safety statutes and codes to work safely in the proximity of electricity supply lines. They will also be able to operate elevating work platforms to prune trees around electrical lines, and measure trees and lines for vegetation control around electrical lines.

Arborists who wish to work in close proximity to electrical lines are required to use insulated tools. Holders of this qualification who also have the Insulated Tool Work Optional Strand will have the knowledge and skills required to work with insulated tools.

This qualification includes optional standards covering a range of additional skills suitable for utility arborists working in the proximity of electricity supply lines. Whilst these standards are not required to achieve the qualification, they may be considered necessary for some utility arborist roles within the electricity supply industry.

Although this qualification shares standards in common with the National Certificate in Electricity Supply (Vegetation Control) (Level 3) [Ref: 0857] it is intended for competent arborists wishing to undertake vegetation control in the electricity supply industry, and therefore does not contain any arborist standards, whereas [Ref: 0857] is intended for people who are not arborists and require arborist skills in order to work in the electricity supply industry undertaking vegetation control.

This qualification contains standards which introduce the electricity supply industry and cover basic safety requirements at a sufficient level to enable arborists to work safely in the proximity of electricity supply lines. These standards are also in the National Certificate

in Electricity Supply (Level 2) with optional strands in Electrical, Electrical Fitter, and Line Mechanic [Ref: 1293] however, that qualification is targeted at providing a broad introduction to the electricity supply industry for future electrical workers.

This qualification builds on the National Certificate in Horticulture (Arboriculture) (Level 4) with an optional strand in Advanced [Ref: 1534]. Whilst this qualification does not lead on to any other national qualification, this qualification may be a pathway to other electricity supply qualifications.

## Special Notes

Prerequisite: National Certificate in Horticulture (Arboriculture) (Level 4) [Ref: 1534], or demonstrate equivalent knowledge and skills. While candidates may have the optional strand of [Ref: 1534] it is not part of the prerequisite requirement for this qualification.

Recognition of prior learning will be carried out by organisations with consent to assess or Electricity Supply Industry Training Organisation (ESITO) registered workplace assessors.

## Credit Range

	Compulsory	Insulated Tool Work Optional Strand	Optional Standards
Level 2 credits	23	-	1
Level 3 credits	11	-	4
Level 4 and above credits	12	5	10
Total	46	5	15
Total with optional strand	51		

## 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

The following strand is optional

- Insulated Tool Work Optional Strand

## Detailed Requirements

### Compulsory

The following standards are required

Engineering and Technology > Electricity Supply > Electricity Supply - Core Skills

ID	Title	Level	Credit
10507	Use personal protection equipment within an electricity network environment	2	4
10508	Identify electricity systems in preparation for work	2	6
12300	Demonstrate knowledge of electricity industry safety statutes and codes	2	6
18038	Demonstrate knowledge of and apply health and safety in the electricity supply environment	3	5
18274	Demonstrate knowledge of electricity supply networks	3	6

Engineering and Technology > Electricity Supply > Electricity Supply - Distribution Networks

ID	Title	Level	Credit
17152	Carry out tree work near electricity supply lines	4	7
18030	Operate power-operated elevating work platforms (EWP) to prune trees around electrical lines	4	5
18032	Measure trees and lines for vegetation control around electrical lines to minimum approach distance	2	4

Humanities > Communication Skills > Interpersonal Communications

ID	Title	Level	Credit
1277	Communicate information in a specified workplace	2	3

### Insulated Tool Work Optional Strand

The following standard is required

Engineering and Technology > Electricity Supply > Electricity Supply - Distribution Networks

ID	Title	Level	Credit
26705	Carry out tree work in the insulated tool zone around electricity supply lines	4	5

### Optional standards

The following standards are optional

Engineering and Technology > Civil Works and Services > Civil Infrastructure Health, Safety, and Environment

ID	Title	Level	Credit
20877	Demonstrate knowledge of working safely at sites under temporary traffic management	2	1

Engineering and Technology > Electricity Supply > Electricity Supply - Distribution Networks

ID	Title	Level	Credit
18033	Carry out winch assisted tree felling in the electricity supply industry	4	10

Service Sector > Driving > Specialist Driving Knowledge and Skills

ID	Title	Level	Credit
17978	Operate a light four wheel drive (4WD) vehicle in an off-road environment	3	4

### NZQF National Qualification Registration Information

Process	Version	Date	Last Date for Assessment
Registration	1	March 2011	N/A

### Standard Setting Body

Electricity Supply Industry Training Organisation  
PO Box 1245  
Waikato Mail Centre  
Hamilton 3240

Telephone 07 834 3038  
Facsimile 07 834 8160  
Email [info@esito.org.nz](mailto:info@esito.org.nz)

### Planned Review

Any person or organisation may contribute to the review of this qualification by sending feedback to the standard setting body at the above address.

Next Review	2014
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## Other standard setting bodies whose standards are included in the qualification

InfraTrain New Zealand  
NZQA  
Tranzqual ITO

## Certification

This certificate will display the logos of NZQA, the Electricity Supply Industry Training Organisation 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
318	Engineering and Technology > Electricity Supply	031311	Engineering and Related Technologies > Electrical and Electronic Engineering and Technology > Power Line Installation and Maintenance

### 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. Accredited providers and Industry Training Organisations assessing against standards must engage with the moderation system that applies to those standards. Accreditation requirements and the moderation system are outlined in the associated Accreditation and Moderation Action Plan (AMAP) for each standard.