

Qualification details

Qualification number/Te nama o te tohu mātauranga	2227		
English title/Taitara Ingarihi	New Zealand Certificate in Electricity Supply (Cable Jointer High Voltage) (Level 4) with an optional strand of 33kV		
Māori title/Taitara Māori			
Version number/Te putanga	3	Qualification type/Te momo tohu	Certificate
Level/Te kaupae	4	Credits/Ngā whiwhinga	150 185 with optional strand
NZSCED/Whakaraupapa	031311 Engineering and Related Technologies > Electrical and Electronic Engineering and Technology > Power Line Installation and Maintenance		
Qualification developer/Te kaihanga tohu	Connexis Infrastructure ITO		
Next review /Te rā arotake	Month 2025		

Outcome statement/Te tauāki ā-hua

<p>Strategic Purpose statement/ Te rautaki o te tohu</p> <p>The purpose of this qualification is to provide the electricity supply industry with people who have sufficient knowledge, practical skills and experience to gain electrical registration as a cable jointer and undertake cable jointing on cables up to 22kV.</p> <p>Graduates will work to industry standards, taking responsibility for their own work, and be capable of working independently, whilst ensuring safety.</p> <p>Graduates who meet the requirements of the optional strand graduate profile outcome will be able to carry out cable jointing on power cables up to and including 33kV.</p>

<p>Graduate Profile/Ngā hua o te tohu</p> <p>Graduates of this qualification will be able to:</p> <ul style="list-style-type: none"> - Apply knowledge of electrical theory to the construction and preparation of cables.

- Apply codes, legislation and industry standards and follow procedures when performing the duties of a cable jointer undertaking work on power cables up to 22kV to the standard required for EWRB registration as a cable jointer.
- Ensure health and safety requirements are met in the workplace environment as required for the range of work undertaken by a registered cable jointer.
- Undertake testing and commissioning procedures that facilitate the process of cable jointing work on power cables up to 22kV.

Graduates of the 33kV strand will also be able to:

- Apply industry standards and follow procedures when performing the duties of a cable jointer undertaking work on power cables up to 33kV.

Education Pathway/ Ngā huarahi mātauranga

This qualification builds on the New Zealand Certificate in Electricity Supply (Introductory) (Level 2) [Ref: 2136].

It may lead to the following qualifications:

- New Zealand Certificate in Electricity Supply (Line Mechanic Distribution) (Level 4) [Ref: 2197]
- New Zealand Certificate in Electricity Supply (Fault Response and Switching) (Level 4) with strands in Distribution Fault Response, Distribution Network Switching, Transmission Switching, and Transmission Switching Control [Ref: 3586].
- New Zealand Certificate in Electricity Supply (Power Technician) (Level 5) with optional strands in Communications Systems, Generation, Metering, and Transmission and Distribution [Ref: 3535].

Employment, Cultural, Community Pathway/ Ko ngā huarahi ā-mahi, ā-ahurea, ā-whānau, ā-hapū, ā-iwi, ā-hapori anō hoki

Graduates of this qualification will be able to work as a Cable Jointer.

Qualification Specifications/ Ngā tauwhāititanga o te tohu

<p>Qualification Award/ Te whakawhiwhinga o te tohu</p>	<p>This qualification can be awarded by any tertiary education organisation which has an approved programme of study or industry training leading to the qualification.</p>
<p>Evidence requirements for assuring consistency/ Ngā taunaki hei whakaū i te tauritenga</p>	<p>Evidence may include:</p> <ul style="list-style-type: none"> • Review of internal and external moderation processes and results relating to the assessment of graduate outcomes • Industry feedback and actions taken by the Tertiary Education Organisation in response to feedback • Review of programme completion data and course results • Post-graduate surveys (which must include survey of

	<p>graduates and employers)</p> <ul style="list-style-type: none"> • Any other relevant evidence.
<p>Minimum standard of achievement and standards for grade endorsements/ Te pae o raro e tutuki ai, ngā paerewa hoki hei whakaatu i te taumata o te whakatutukinga</p>	Achieved.
<p>Other requirements for the qualification (including regulatory body or legislative requirements)/ Kō ētahi atu here o te tohu (tae atu hoki ki ngā here ā-hinonga whakamarumarū, ki ngā here ā-ture rānei)</p>	Candidates will be employed in the electricity supply industry as a cable jointer.
<p>General conditions for programme/ Ngā tikanga whānui o te hōtaka</p>	People should hold the New Zealand Certificate in Electricity Supply (Introductory) (Level 2) [Ref: 2136], or demonstrate equivalent knowledge and skills, before enrolling in this qualification. Candidates require an EWRB Trainee Limited Certificate when commencing the programme, for their training, assessment and experience to be accepted by the EWRB for registration as a cable jointer.

Conditions relating to the Graduate Profile /Ngā tikanga e hāngai ana ki nga hua o te tohu

Qualification outcomes/ Ngā hua	Credits/Ngā whiwhinga	Conditions/Ngā tikanga
<p>1. Apply knowledge of electrical theory to the construction and preparation of cables.</p>	10	
<p>2. Apply codes, legislation and industry standards and follow procedures when performing the duties of a cable jointer undertaking work on power cables up to 22kV. to the standard required for EWRB registration as a cable jointer.</p>	105	
<p>3. Ensure health and safety requirements are met in the workplace environment as required for the range of work undertaken by a registered cable jointer.</p>	15	
<p>4. Undertake testing and commissioning procedures that facilitate the process of cable jointing work on power cables up to 22kV.</p>	20	
33 kV Optional Strand		
<p>5. Apply industry standards and follow procedures when performing the duties of a cable jointer undertaking work on power cables up to 33kV.</p>	35	

Transition information/ He kōrero whakawhiti

Replacement information/ He kōrero mō te whakakapi	
Additional transition information/ Kō ētahi atu kōrero mō te whakakapi	<p>Version 3 of this qualification was published in XXXX YYYY following an early review.</p> <p>The last date for assessments to take place is 31 December 2022. People currently working towards version 2 of this qualification may either complete the requirements for that version by that date or transfer to this version.</p> <p>The last date for entry into programmes leading to version 2 of this qualification is 31 December 2020.</p> <p>It is the intention that no trainee should be disadvantaged by these transition arrangements. Any person who considers they have been disadvantaged may appeal to the qualification developer Connexis Infrastructure ITO at qualifications@connexis.org.nz or 04 499 9144.</p>