

QUALIFICATION DETAILS

Qualification Title		New Zealand Certificate in Electricity Supply (Introductory) (Level 2)	
Version	1	Qualification type	Certificate
Level	2	Credits	44
NZSCED	031313		
Strategic purpose statement		<p>The purpose of this qualification is to provide the Electricity Supply Industry with people who have sufficient knowledge and ability to work safely in the industry at entry level.</p> <p>It is a foundation certificate suitable for all entrants to the industry whether they intend to work in trades or in an administrative capacity within the generation, distribution, transmission, telecommunications or retail sectors of the Electricity Supply Industry.</p> <p>It meets the Electrical Workers Registration Board (EWRB) safety tuition requirements for a trainee Limited Certificate, which is required for all higher level qualifications in the distribution and transmission sectors.</p>	
Outcome Statement	Graduate profile	<p>Graduates of this qualification will be able to:</p> <ul style="list-style-type: none"> - understand how the Electricity Act, regulations and industry rules and guides govern industry practice - understand how health and safety is applied to the Electricity Supply Industry - competently apply knowledge to tasks within the Electricity Supply Industry with appropriate supervision - demonstrate foundation understanding of the principles of generation, transmission and distribution in the Electricity Supply Industry. 	
	Education pathway	<p>This qualification will equip graduates with the skills, knowledge and competencies that will be needed for higher level electricity supply qualifications.</p> <p>Higher level qualifications include the:</p> <ul style="list-style-type: none"> - National Certificate in Electricity Supply (Line Mechanic Distribution) (Level 3) [Ref:1369] - National Certificate in Electricity Supply (Cable Jointer – Low Voltage) (Level 3) [Ref:0869] - National Certificate in Electricity Supply (Electrical) (Level 3) with strands in Electricity Supply Electrician, Electrical Fitter, and Electrical Technician [Ref:1294] - National Certificate in Electricity Supply (Line Mechanic Transmission) (Level 4) with optional strands in Optional Work Skills (E1 (O)), and 	

		<p>Optional De-energised Work Skills (E3) [Ref:1389]</p> <ul style="list-style-type: none"> - National Certificate in Electricity Supply (Operator) (Level 3) with strands in Network and Hydro Operator, and Thermal Operator [Ref: 1375].
	Employment pathway	<p>Graduates of this qualification will be able to work in the Electricity Supply Industry in one of the following sectors: generation, transmission, distribution, telecommunications and retail. Likely contexts of work are:</p> <ul style="list-style-type: none"> - working on electricity supply lines - laying and jointing either low or high voltage electricity supply cables - working with machinery and equipment involved in the electricity supply industry - working in an administrative role in an electricity supply environment.
Qualification Developer		Electricity Supply Industry Training Organisation (ESITO)

Qualification Specification

Qualification award	<p>This qualification will be awarded by ESITO as developer of the qualification and any education providers accredited to deliver a programme leading to the qualification.</p> <p>The formal document certifying the award of this qualification bears the ESITO and NZQF logos and, where applicable, the name and logo of the tertiary education organisation (TEO) offering the programme of training leading to the award of the qualification. In addition it will have the full qualification title and the NZQF reference number, plus the date of award of the qualification.</p>
Review period	<p>60 months. To be reviewed by December 2018.</p> <p>Any person or organisation may contribute to the review of this qualification by sending feedback to the qualification developer at info@esito.org.nz or:</p> <p>ESITO PO Box 1245 Waikato Mail Centre Hamilton 3240</p>
Arrangements for managing consistency	<p>The key focus for arrangements for managing consistency will be the following two graduate profile outcomes:</p> <ul style="list-style-type: none"> - Understand how health and safety is applied to the Electricity Supply Industry. - Competently apply knowledge to tasks within the Electricity Supply Industry with appropriate supervision. <p>TEOs that own and deliver programmes are responsible for ensuring the consistency of assessment within their programmes and must be able to demonstrate alignment of graduates with the outcomes of the qualification.</p> <p>Evidence of consistency of graduate outcomes must include:</p> <ul style="list-style-type: none"> - an audit trail of graduate programme results and subsequent employment outcomes - evidence of employer support of the graduates of this programme and their feedback that the graduates display the graduate profile outcomes.

	<p>Use of existing programme data will be encouraged wherever possible.</p> <p>ESITO, the qualification developer, requires organisations that own and deliver programmes to send an annual report of the above to ESITO. In addition, ESITO retains the option to visit/hold a meeting if required.</p> <p>At least every three years ESITO will convene an expert panel to consider the consistency of the various programmes' graduate outcomes.</p> <p>Consistency processes will be funded by TEOs offering programmes leading to the qualification, and will cover actual and reasonable related costs.</p> <p>For full details of ESITO arrangements for managing consistency contact the ESITO Quality Assurance team at info@esito.org.nz.</p>
Credit transfer and recognition of prior learning arrangements	<p>Recognition for the whole or part of the qualification is available to people who have worked in the electrical supply industry for a minimum of five years and who provide evidence of their competency with their signed off industry competency book or industry licence from an electrical supply industry organisation.</p> <p>After the minimum of five years, people with comparable industry experience and knowledge may engage in a RCC/RPL process with an ESITO registered RPL/RCC assessor who will determine credit for the whole or parts of this qualification.</p>
Minimum standard of achievement and standards for grade endorsements (where applicable)	Achieved.
Prerequisites to meet regulatory body or legislative requirements (where applicable)	None.
Other conditions for qualification	<p>This is a safety sensitive industry and providers of programmes leading to this qualification must ensure that:</p> <ul style="list-style-type: none"> - candidates are aware that most employing organisations will have drug and alcohol free policies included in their operating procedures with reference to the Health and Safety in Employment Act 1992 - candidates have sufficient literacy and numeracy skills to understand and utilise all documentation required - candidates develop an attitude to safety and demonstrate safe behaviour by consistently following operating procedures while undertaking supervised tasks. <p>Assessment standards 10507 and 18038 are intended for workplace assessment but not all outcomes of these assessment standards are restricted to workplace assessment. Safety of personnel and plant must be a priority throughout assessment.</p>

Conditions relating to specific outcomes

Qualification Outcomes (including indicative credit values for each outcome)	Conditions	Mandatory or Optional

<p>Understand how the Electricity Act, regulations and industry rules and guides govern industry practice.</p> <p>Credit value: 6</p>	<p>Graduates must, for the electricity supply industry:</p> <ul style="list-style-type: none"> - be capable of interpreting safety signage and safety manuals accurately and independently - be able to explain the purpose and requirements of: <ul style="list-style-type: none"> ▪ the statutes and regulations covering safety; ▪ the approved codes of practice covering safety: the SMEI, Electricity Engineers' Association Codes of Practices, the New Zealand Electrical Codes of Practice and Occupational Safety and Health Codes of Practice - know those organisations that have a safety role and be able to describe their role and the responsibilities of individuals. <p>The following unit standard may be used to assess this outcome:</p> <p>12300</p>	<p>Mandatory</p>
<p>Understand how health and safety is applied to the Electrical Supply Industry.</p> <p>Credit value: 4</p>	<p>Cross credits will be given for first aid qualifications that are current and include equivalent or more than the evidence requirements for assessment standards 26551 and 26552.</p> <p>Appropriate' supervision depends on the task and the environment.</p> <p>These unit standards must be used to assess these outcomes to ensure consistency in application of safe practices in the workplace:</p> <p>10507 17026 17602 18038 26551 26552 28020</p>	<p>Mandatory</p>
<p>Competently apply knowledge to tasks within the Electricity Supply Industry with appropriate supervision.</p> <p>Credit value: 22</p>	<p>Graduates must be able to:</p> <ul style="list-style-type: none"> - identify the different types of electric lines, the different circuit operating voltages, conductors and structures and the function they serve - identify and describe distribution and transmission network primary plant and equipment, their purpose and function - understand the different: <ul style="list-style-type: none"> ▪ electricity supply network voltages and why they are used; ▪ types of substation equipment including circuit breakers, disconnectors and transformers, and their functions - know the five major sectors within the electricity 	<p>Mandatory</p>
<p>Demonstrate foundation understanding of the principles of generation, transmission and distribution in the Electrical Supply Industry.</p> <p>Credit value: 12</p>		

	<p>supply industry, the purpose of each and the relationships between them</p> <ul style="list-style-type: none"> - understand who the key industry players are in terms of asset owners, industry suppliers, industry groups, contractors and consultants and how they interact - understand how the New Zealand electricity market operates. 	
	<p>The following unit standards may be used to assess this outcome:</p> <p>10508</p> <p>18275</p> <p>20092</p>	Optional

Transition information

Replacement information	<p>This qualification replaced the National Certificate in Electricity Supply (Level 2) with optional strands in Electrical, Electrical Fitter, and Line Mechanic [Ref: 1293].</p>
Transition arrangements	<p>All existing candidates may either complete the requirements of version 4 of the National Certificate in Electricity Supply (Level 2) with optional strands in Electrical, Electrical Fitter, and Line Mechanic [Ref: 1293] or transfer to this qualification.</p> <p>Candidates with version 4 of the replaced qualification, who subsequently enrol in the higher level electricity supply educational pathway qualifications, may need to complete the mandatory assessment standards in the New Zealand Certificate in Electricity Supply (Introductory) (Level 2) that they have not achieved.</p> <p>From 1 January 2014 all new trainees will be enrolled in programmes leading to the New Zealand Certificate in Electricity Supply (Introductory) (Level 2) [Ref: 2136].</p> <p>The last date for assessment for version 4 of the National Certificate in Electricity Supply (Level 2) with optional strands [Ref: 1293] is 31 December 2015.</p> <p>For further information contact ESITO:</p> <p>PO Box 1245 Waikato Mail Centre Hamilton 3240</p> <p>Telephone 07 834 3038 Facsimile 07 834 8160 Email info@esito.org.nz</p>