

Title	Install low voltage electricity network overhead conductors		
Level	4	Credits	8

Purpose	People credited with this unit standard are able to install low voltage electricity network overhead conductors.
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Classification	Electricity Supply > Electricity Supply - Distribution Networks
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Available grade	Achieved
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Prerequisites	Unit 10509, <i>Climb and work on electricity network structures</i> ; or demonstrate equivalent knowledge and skills.
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Guidance Information

- 1 Evidence presented for assessment against this unit standard must be consistent with safe working practices and be in accordance with applicable industry and legislative requirements.
- 2 Legislation, regulations and/or industry standards relevant to this unit standard include but are not limited to the current version of the Health and Safety at Work Act 2015; Electricity Act 1992; Electricity (Safety) Regulations 2010; and any subsequent amendments and replacements; Electricity supply industry codes of practice and documented enterprise procedures, including *Safety Manual – Electricity Industry* (SM-EI) (2015) Wellington: Electricity Engineers' Association available from www.eea.co.nz.
- 3 Definitions
Asset owner refers to a participant who owns or operates assets used for generating or conveying electricity.
Industry requirements include all asset owner requirements; manufacturers' specifications; and enterprise requirements which cover the documented workplace policies, procedures, specifications, business, and quality management requirements relevant to the workplace in which assessment is carried out.
LV is defined as low voltage and includes voltages exceeding 50 volts AC (alternating current) but not exceeding 1000 volts AC.

Outcomes and performance criteria

Outcome 1

Install low voltage electricity network overhead conductors.

Range evidence of three installations is required.

Performance criteria

- 1.1 Scope of work is interpreted.
- Range conductor size and type, structure arrangement, work plan, installation method, LV conductor sag and tension.
- 1.2 Conductors are strung according to manufacturer's specifications and asset owner's requirements.
- 1.3 Conductors are pulled up to specified sag and tension and terminated.
- 1.4 Conductors are attached to structures.
- 1.5 Construction earths are connected, and conductor hardware is attached.
- 1.6 Pre-commissioning checks are completed.
- 1.7 Completed work is reported concisely in the required format and within the scheduled time-frame.

Planned review date	31 December 2024
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Status information and last date for assessment for superseded versions

Process	Version	Date	Last Date for Assessment
Registration	1	19 June 1997	31 December 2016
Review	2	27 April 2001	31 December 2016
Revision	3	10 September 2004	31 December 2016
Rollover and Revision	4	25 October 2007	31 December 2016
Review	5	20 March 2014	31 December 2021
Review	6	28 November 2019	N/A

Consent and Moderation Requirements (CMR) reference	0120
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This CMR can be accessed at <http://www.nzqa.govt.nz/framework/search/index.do>.

Comments on this unit standard

Please contact Connexis - Infrastructure Industry Training Organisation at qualifications@connexis.org.nz if you wish to suggest changes to the content of this unit standard.