

<b>Title</b>	<b>Joint electricity network overhead conductors</b>		
<b>Level</b>	<b>3</b>	<b>Credits</b>	<b>4</b>

<b>Purpose</b>	People credited with this unit standard are able to joint electricity network overhead conductors.
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<b>Classification</b>	Electricity Supply > Electricity Supply - Distribution Networks
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<b>Available grade</b>	Achieved
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### Guidance Information

- 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.
- 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](http://www.eea.co.nz).
- 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.

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### Outcomes and performance criteria

#### Outcome 1

Joint electricity network overhead conductors.

Range aluminium, aluminium alloy, copper;  
evidence of three observations of different workplace activities is required.

#### Performance criteria

- 1.1 Joint and jointing method are selected for the size and type of conductor.

- 1.2 Conductor is cleaned, and strands prepared for jointing.
- 1.3 Compression joint is completed.
- Range non-tension, tension.
- 1.4 Mechanical joint is completed to manufacturer's specifications or employers' procedures.
- Range may include but is not limited to – bolted, clamped, lugged, wedged pressure, insulation piercing connectors (IPC).
- 1.5 Joint is visually inspected.
- Range mechanical and electrical.
- 1.6 Conductor is re-insulated if required.

<b>Planned review date</b>	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
Review	3	22 October 2003	31 December 2016
Rollover and Revision	4	20 June 2008	31 December 2016
Review	5	20 March 2014	31 December 2021
Review	6	28 November 2019	N/A

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

#### Comments on this assessment standard

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