

<b>Title</b>	<b>Overhaul distribution pole and tower hardware in electricity networks up to 66 kV</b>		
<b>Level</b>	<b>4</b>	<b>Credits</b>	<b>8</b>

<b>Purpose</b>	People credited with this unit standard are able to: overhaul distribution pole and tower hardware in electricity networks up to 66 kV.
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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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<b>Prerequisites</b>	Unit 10509, <i>Climb and work on electricity network structures</i> ; or demonstrate equivalent knowledge and skills.
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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.  
*Pole and tower hardware* includes but is not limited to – conductors, cross arms, insulators, guys, anti-climbing guards, arms, bolts, braces, guards, signs, steps, cantilevers, floodlights, overhead fittings.
- This unit standard excludes – high voltage maintenance using live line working procedures; and pole replacement using live line working procedures.
- Recommended skills and knowledge:

Unit 10508, *Identify electricity systems used in the electricity supply industry* or demonstrate equivalent knowledge and skills.

## Outcomes and performance criteria

### Outcome 1

Overhaul distribution pole and tower hardware in electricity networks up to 66 kV.

Range evidence is required of three different types of pole or tower hardware and across the voltage range from 400 V up to and including 66 kV.

### Performance criteria

1.1 Work site is prepared.

Range scope of work, site access, choice of hardware.

1.2 Mechanical load is supported.

Range may include but is not limited to – auxiliary arms, crane, hoist, winches;  
evidence of two is required.

1.3 Hardware is replaced or repaired.

1.4 Redundant hardware is removed from site.

1.5 Completed work is reported concisely, in the required format, within the scheduled time-frame.

<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	27 April 2001	31 December 2016
Review	2	22 October 2003	31 December 2016
Review	3	20 November 2009	31 December 2016
Review	4	20 March 2014	31 December 2021
Review	5	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>.

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**Comments on this unit 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.