

Title	Install pad and structure mounted electrical equipment		
Level	4	Credits	8

Purpose	People credited with this unit standard are able to: install pad mounted electrical equipment; and install structure mounted electrical equipment.
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Classification	Electricity Supply > Electricity Supply - Distribution Networks
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Available grade	Achieved
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Prerequisites	Unit 10526, <i>Operate electrical equipment associated with electric lines or cables up to 66kV</i> ; and Unit 31953, <i>Operate light lifting and rigging equipment in the electricity supply environment</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.
- 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.

Outcomes and performance criteria

Outcome 1

Install pad mounted electrical equipment.

Performance criteria

1.1 Installation method and pad arrangement are established, and services are located.

Range underground and overhead services.

1.2 Hardware and electrical equipment are selected to match job pack specifications.

1.3 Electrical equipment is installed.

Range includes but is not limited to – depth of pad, earthing to industry standards, pre-commissioning tests.

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

Outcome 2

Install structure mounted electrical equipment.

Range evidence of two types of equipment is required.

Performance criteria

2.1 Installation method and structure arrangement are established, and services are located.

Range underground and overhead services.

2.2 Hardware is selected to match scope of work determined by asset owner.

2.3 Hardware and equipment are installed to match scope of work determined by asset owner.

2.4 Electrical equipment is earthed to meet the requirements of New Zealand Electrical Code of Practice 35.

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

Replacement information	This unit standard replaced unit standard 12298 and unit standard 18024.
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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	20 March 2014	31 December 2021
Review	2	28 November 2019	N/A

Consent and Moderation Requirements (CMR) reference

0120

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.