

<b>Title</b>	<b>Describe and operate primary and secondary preparation equipment on electricity structures</b>		
<b>Level</b>	<b>4</b>	<b>Credits</b>	<b>12</b>

<b>Purpose</b>	People credited with this unit standard are able to: describe health and safety requirements for carrying out primary and secondary preparation; describe primary and secondary preparation equipment; and operate primary and secondary preparation equipment, on electricity structures.
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<b>Classification</b>	Electricity Supply > Electricity Supply - Transmission Networks
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<b>Available grade</b>	Achieved
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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 legislative and industry requirements.
- 2 Legislation, regulations, and /or industry standards relevant to this unit standard include but are not limited to:
  - Electricity Act 1992
  - Health and Safety at Work Act 2015
  - Health and Safety at Work (General Risk and Workplace Management) Regulations 2016
  - Electricity supply industry codes of practice and documented enterprise procedures, including *Safety Manual – Electricity Industry* (SM-EI) and relevant EEA guides available at [www.eea.co.nz](http://www.eea.co.nz) and any subsequent amendments and replacements.
- 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, and business and quality management requirements relevant to the workplace in which assessment is carried out.

*Primary preparation* is defined as pressure washing, water cleaning performed at less than 34MPa.

*Secondary preparation* is defined as the removal of rust and zinc corrosion products (ZCP) from electricity structures.

- 4 Assessment of practical skills against the outcomes in this standard requires three practical observations from three different workplace activities in an electricity supply environment.

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## Outcomes and performance criteria

### Outcome 1

Describe health and safety requirements for carrying out primary and secondary preparation on electricity structures.

#### Performance criteria

- 1.1 Health and safety requirements are explained for primary and secondary preparations.
- 1.2 Restrictions on abrasive blasting media used in the workplace are described in accordance with the Health and Safety at Work (General Risk and Workplace Management) Regulations 2016.
- 1.3 Potential workplace hazards using primary and secondary preparation equipment are described in accordance with company and industry requirements.
- 1.4 Health hazards of primary and secondary preparation operations are described in terms of short and long term physical effects.
- 1.5 Requirements for the provision and maintenance of protective clothing are described.

### Outcome 2

Describe primary and secondary preparation equipment on electricity structures.

#### Performance criteria

- 2.1 Primary and secondary preparation equipment is described in terms of its classification.
- 2.2 Components of primary and secondary preparation equipment are identified and functions are described.
- 2.3 Safety precautions in the operation of primary and secondary preparation equipment are described.
- 2.4 Methods of defining secondary preparation areas are described in accordance with company and industry requirements.
- 2.5 Pre-operational checks are described.

**Outcome 3**

Operate primary and secondary preparation equipment on electricity structures.

**Performance criteria**

- 3.1 Pre-operational checks are made prior to commencement of work.
- 3.2 Personal protective equipment for the job is checked, fitted and worn in accordance with manufacturer's instructions and company requirements.
- 3.3 Water purity is tested prior to use.
- 3.4 Work site is set up ready for primary and secondary preparation operations according to the job specification and industry requirements.
- 3.5 System is flushed with sufficient water to clean equipment prior to use.
- 3.6 Primary preparation operations are applied to electricity structures according to the job specification.
- 3.7 Secondary preparation operations are applied to electricity structures according to the job specification.
- 3.8 Work site is demobilised on completion, and equipment is cleaned and stored in accordance with manufacturer's instructions and company procedures.

<b>Planned review date</b>	31 December 2025
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**Status information and last date for assessment for superseded versions**

Process	Version	Date	Last Date for Assessment
Registration	1	20 August 2015	31 December 2020
Review	2	28 September 2017	N/A
Rollover and Revision	3	2 March 2023	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 unit standard**

Please contact Waihangā Ara Rau Construction and Infrastructure Workforce Development Council at [qualifications@WaihangāAraRau.nz](mailto:qualifications@WaihangāAraRau.nz) if you wish to suggest changes to the content of this unit standard.