

<b>Title</b>	<b>Demonstrate knowledge of hazardous areas, construction and demolition sites, and special electrical installations</b>		
<b>Level</b>	<b>4</b>	<b>Credits</b>	<b>5</b>

<b>Purpose</b>	People credited with this unit standard are able to demonstrate knowledge of: <ul style="list-style-type: none"> <li>– electrical industry hazardous areas;</li> <li>– electrical installations on construction and demolition sites; and</li> <li>– electrical standards for special electrical installations.</li> </ul>
----------------	--

<b>Classification</b>	Electrical Engineering > Electrical Installation and Maintenance
-----------------------	--

<b>Available grade</b>	Achieved
------------------------	----------

## Guidance Information

### 1 References

AS/NZS 3000 (version as cited in the Electricity (Safety) Regulations), *Electrical Installations (known as the Australian/New Zealand Wiring Rules)*;  
 AS/NZS 3001:2008, *Electrical installations - Transportable structures and vehicles including their site supplies*;  
 AS/NZS 3002:2021, *Electrical installations - Shows and carnival events*;  
 AS/NZS 3003:2018, *Electrical installations - Patient areas*;  
 AS/NZS 3010:2017, *Electrical installations - Generating sets*;  
 AS/NZS 3012:2019 *Electrical installations - Construction and demolition sites*;  
 AS/NZS 3017:2007, *Electrical installations - Verification guidelines*;  
 AS/NZS 3019:2007, *Electrical installations - Periodic verification*;  
 AS/NZS 60079 series, *Explosive Atmospheres*;  
 Electricity (Safety) Regulations 2010;  
 or any current subsequent amendments and replacements.

### 2 Definitions

*EEHA* – electrical equipment in hazardous areas;  
*Hazardous areas* – as defined in the Electricity (Safety) Regulations and AS/NZS 3000.  
*Special electrical installations* – as defined in AS/NZS 3000.

### 3 This unit standard can be used together with other relevant unit standards, additional learning and workplace training to meet the requirements of the Electrical Workers Registration Board (EWRB) core competencies, available at <https://www.ewrb.govt.nz>.

---

## Outcomes and performance criteria

### Outcome 1

Demonstrate knowledge of electrical industry hazardous areas.

#### Performance criteria

- 1.1 Define the nature of hazardous areas.
- 1.2 Describe the training and experience required to work safely in hazardous areas.
- 1.3 Identify requirements for hazardous areas from AS/NZS 3000.
- Range two requirements.

### Outcome 2

Demonstrate knowledge of electrical installations on construction and demolition sites.

#### Performance criteria

- 2.1 Outline fundamental requirements for electrical circuits on construction and demolition sites from AS/NZS 3012.
- Range two requirements each for supply, control and protection.
- 2.2 Outline the requirements for initial and periodic inspection and testing of construction and demolition sites.

### Outcome 3

Demonstrate knowledge of electrical standards for special electrical installations.

#### Performance criteria

- 3.1 Identify electrical installations defined as special in AS/NZS 3000.
- Range four installations.
- 3.2 Identify requirements for special electrical installations from AS/NZS 3000 and other relevant standards.
- Range four requirements.
- 3.3 Explain requirements to work competently in hazardous areas.
- Range awareness of personal limitations, when to seek assistance, training and experience.

---

<b>Planned review date</b>	31 December 2026
----------------------------	------------------

**Status information and last date for assessment for superseded versions**

Process	Version	Date	Last Date for Assessment
Registration	1	24 March 2022	N/A

<b>Consent and Moderation Requirements (CMR) reference</b>	0003
--	------

This CMR can be accessed at <http://www.nzqa.govt.nz/framework/search/index.do>.

**Comments on this unit standard**

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