

<b>Title</b>	<b>Demonstrate knowledge of traction network earthing and bonding systems</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 traction network earthing and bonding systems.
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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

- 1 Evidence presented for assessment against this unit standard must be consistent with safe working practices and be in accordance with applicable asset owner, company, and legislative requirements.
- 2 Legislation, regulations and/or industry standards relevant to this unit standard include but are not limited to 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).
- 3 Definition  
*Asset Owner or Company requirements* refer to instructions to staff on policy and procedures that are available in the workplace. These requirements may include – asset owner policies and procedures, company policies and procedures, work instructions, product quality specifications and legislative requirements.

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### Outcomes and performance criteria

#### Outcome 1

Demonstrate knowledge of traction network earthing and bonding systems.

#### Performance criteria

- 1.1 Traction network earthing and bonding drawings are interpreted.
- 1.2 Risk zones for earthing and bonding are described.
- 1.3 Testing requirements for earthing and bonding are described.

- 1.4 Earthing and bonding defects are described in terms of their causes and hazards.

<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#### Status information and last date for assessment for superseded versions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	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 unit standard

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