

Title	Install or repair traction network earthing and bonding systems		
Level	4	Credits	10

Purpose	People credited with this unit standard are able to install or repair traction network earthing and bonding systems.
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Classification	Electricity Supply > Electricity Supply - Distribution Networks
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Available grade	Achieved
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Prerequisites	Unit 31971, <i>Demonstrate knowledge of traction network earthing and bonding systems</i> , or demonstrate equivalent skills or knowledge.
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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.
- 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.

Outcomes and performance criteria

Outcome 1

Install or repair traction network earthing and bonding systems.

Range evidence of three installations or repairs is required.

Performance criteria

- 1.1 Scope of work is identified.
- 1.2 Worksite and safety plan is developed.
- 1.3 Earthing and bonding system is installed or repaired.
- 1.4 Testing of earthing system is completed to asset owner's requirements.
- 1.5 Job is completed to design standard.
- 1.6 Job record is completed.

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Status information and last date for assessment for superseded versions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	28 November 2019	N/A

Consent and Moderation Requirements (CMR) reference	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 if you wish to suggest changes to the content of this unit standard.