

Title	Demonstrate knowledge of legislation, industry governance bodies and AS/NZS 3000 for the electrical industry		
Level	3	Credits	4

Purpose	People credited with this unit standard are able to demonstrate knowledge of: <ul style="list-style-type: none"> – electrical legislation and industry governance bodies; and – AS/NZS 3000.
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Classification	Electrical Engineering > Electrical Standards and Statutes
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Available grade	Achieved
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Guidance Information

1 Definition

Industry governance bodies referred to in this unit standard include but are not limited to —

- Electrical Regulatory Authorities Board (ERAC).
- Electrical Workers Registration Board (EWRB).
- WorkSafe (Energy Safety) New Zealand.
- Ministry of Business, Innovation and Employment (MBIE).
- Electricity Engineers' Association.

2 References

AS/NZS 3000 (version as cited in the Electricity (Safety) Regulations), *Electrical Installations (known as the Australian/New Zealand Wiring Rules)*;
AS/NZS 3008.1.2:2017, *Electrical installations - Selection of cables, Cables for alternating voltages up to and including 0.6/1 kV - Typical New Zealand conditions*;
AS/NZS 3017:2007, *Electrical installations - Verification guidelines*;
AS/NZS 3760:2010, *In-service safety inspection and testing of electrical equipment*;
AS/NZS 4836:2011, *Safe working on or near low-voltage electrical installations and equipment*;
AS/NZS 5761:2011, *In-service safety inspection and testing - Second-hand equipment prior to sale*;
AS/NZS 5762:2011, *In-service safety inspection and testing - Repaired electrical equipment*;
Electricity Act 1992;
Electricity (Safety) Regulations 2010;
Health and Safety at Work Act 2015;
New Zealand Building Code;
New Zealand Electrical Codes of Practice (NZECP) as cited in the Electricity (Safety) Regulations, available at <https://www.worksafe.govt.nz>;
or any current subsequent amendments and replacements.

- 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 legislation and industry governance bodies.

Performance criteria

- 1.1 Identify the industry governance bodies and agencies relevant to the electrical industry and their roles in the electrical industry.
- Range at least three governance bodies and agencies.
- 1.2 Outline where, and how, to access legislation and standards appropriate to the electrical industry.
- 1.3 Identify the Acts, Regulations, Standards and Codes applicable to the electrical industry in order of legal hierarchy and state briefly their overall purpose and how each impacts work in the electrical industry.
- Range four electrical standards, one Electrical Code of Practice; must include but is not limited to — Electricity Act, Electricity (Safety) Regulations.
- 1.4 Describe low, general and high-risk electrical work and the inspection and certification required for each level of risk.
- Range risk classifications as defined in the Electricity (Safety) Regulations.

Outcome 2

Demonstrate knowledge of AS/NZS 3000.

Performance criteria

- 2.1 Explain the relevance of AS/NZS 3000 to electricians.
- 2.2 Explain the purpose of AS/NZS 3000.
- Range Part 1, Part 2.
- 2.3 Describe the general layout of AS/NZS3000.

- 2.4 Outline the fundamental design principles for all electrical work according to AS/NZS 3000, Part 1, section 1.5.

Range three principles.

Planned review date	31 December 2026
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Status information and last date for assessment for superseded versions

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

Consent and Moderation Requirements (CMR) reference	0003
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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@waihanga.nz if you wish to suggest changes to the content of this unit standard.