

Title	Demonstrate knowledge of legislation and Standards governing electrical workers		
Level	3	Credits	2

Purpose	<p>This unit standard is intended for use in the training of electricians, and covers a basic understanding of the framework of legislation, Standards, organisations, and processes that govern their work in New Zealand.</p> <p>People credited with this unit standard are able to demonstrate knowledge of:</p> <ul style="list-style-type: none"> – basic employment rights and responsibilities in accordance with the Employment Relations Act; – legislation, codes of practice, Standards, and organisations that have an impact on the work of registered electrical workers; – the responsibilities and limitations of registered electrical workers; – the Electricity (Safety) Regulations; – AS/NZS 3000; – AS/NZS 3760; and – the New Zealand Electrical Codes of Practice.
----------------	--

Classification	Electrical Engineering > Electrical Standards and Statutes
-----------------------	--

Available grade	Achieved
------------------------	----------

Explanatory notes

- 1 This unit standard has been developed for learning and assessment off-job.
- 2 Definitions
ERAC – Electrical Regulatory Authorities Council.
EWRB – Electrical Worker’s Registration Board.
Industry practice – those practices that competent practitioners within the industry recognise as current industry best practice.
PEW – prescribed electrical work.
Safe and sound practice – as it relates to the installation of electrical equipment is defined in AS/NZS 3000:2007, *Electrical Installations (known as the Australian/New Zealand Wiring Rules)*.
- 3 References
AS/NZS 3000:2007, *Electrical Installations (known as the Australian/New Zealand Wiring Rules)*;
AS/NZS 3760: 2010, *In-service safety inspection and testing of electrical equipment*;

Building Act 2004;
 Consumer Guarantees Act 1993;
 Electricity (Safety) Regulations 2010;
 Electricity Act 1992;
 Employment Relations Act 2000;
 Health and Safety at Work Act 2015;
 Industry Training Act 1992;
 The New Zealand Electrical Codes of Practice (Ministry of Economic Development, ISSN 0114-0663);
 and all subsequent amendments and replacements.

4 Range

- a Candidates may refer to current legislation and Standards during assessment.
- b Demonstration of safe working practices and installation in accordance with *safe and sound practice* are essential components of assessment of this unit standard.
- c All activities and evidence presented for all outcomes and evidence requirements in this unit standard must be in accordance with:
 - i legislation;
 - ii policies and procedures;
 - iii ethical codes;
 - iv Standards – may include but are not limited to those listed in Schedule 2 of the Electricity (Safety) Regulations 2010;
 - v applicable site, enterprise, and industry practice; and,
 - vi where appropriate, manufacturers' instructions, specifications, and data sheets.

Outcomes and evidence requirements

Outcome 1

Demonstrate knowledge of basic employment rights and responsibilities in accordance with the Employment Relations Act.

Evidence requirements

- 1.1 Describe collective and individual employment agreements in terms of their purpose and the relationship between the parties and list five topics that must, or may, be included in an individual employment agreement.
- 1.2 Identify rights and responsibilities arising from an employment relationship.

Range	one right and one responsibility from – fair treatment on both sides, good faith obligations, health and safety.
-------	--
- 1.3 Describe the rights to representation and to negotiate collective agreements.
- 1.4 Identify by name, services provided, and any cost involved, three different sources of information in relation to employment agreement negotiation and employment relations problems.

Outcome 2

Demonstrate knowledge of legislation, codes of practice, Standards, and organisations

that have an impact on the work of registered electrical workers.

Evidence requirements

- 2.1 Identify Acts that are important to the work of registered electrical workers.
- Range Consumer Guarantees Act, Building Act, Electricity Act, Health and Safety at Work Act, Industry Training Act.
- 2.2 Identify regulations that are important to the work of registered electrical workers.
- Range Building Act associated regulations, Electricity (Safety) Regulations.
- 2.3 Identify key Standards that are important to the work of registered electrical workers.
- Range AS/NZS 3000, AS/NZS 3760.
- 2.4 Identify organisations that impact on the work of registered electrical workers.
- Range EWRB, ERAC, Ministry of Business, Innovation and Employment, The Skills Organisation, Occupational Safety and Health Service of the Department of Labour, electrical supply companies (energy suppliers), electrical industry associations.
- 2.5 Explain the purpose of site safety identifications such as the Site Safe Passport.

Outcome 3

Demonstrate knowledge of the responsibilities and limitations of registered electrical workers.

Evidence requirements

- 3.1 Describe, in accordance with *Supervision Procedures for Trainees*, the requirements for supervision of trainees and other electrical workers who are not permitted to have responsibility to carry out prescribed electrical work (PEW).
- 3.2 Identify the requirements to obtain a Trainee Limited Certificate and identify the limitations of work a person with a Trainee Limited Certificate can do.
- 3.3 Explain the necessary requirements for a person to be registered, licensed, or authorised.
- 3.4 Describe the limits and restrictions that the EWRB may impose upon registered persons in terms of the type of work that may undertake and where and for whom a registered person may work.
- 3.5 Define PEW that electricians may perform.

- 3.6 Define PEW that persons who are not registered electricians may undertake and under what circumstances may they undertake such work.
- 3.7 State the responsibilities of persons carrying out PEW.
- Range responsibilities – compliance with the current regulations and Standards as they apply to the work undertaken, high standard of workmanship, safe working practices, certification of PEW.
- 3.8 Identify persons who may assist a registered electrical worker to carrying out PEW in accordance with current regulations and Standards.
- 3.9 State EWRB's audit requirement of PEW in accordance with current regulations and Standards.
- 3.10 Outline electrical work requiring inspection and identify persons qualified to inspect such work.
- 3.11 Explain competency requirements and safety tuition for registered electrical workers in accordance with the Electricity (Safety) Regulations.

Outcome 4

Demonstrate knowledge of the Electricity (Safety) Regulations.

Evidence requirements

- 4.1 Describe the structure of the Electricity (Safety) Regulations in terms of the relationship between it, the Electricity Act, other regulations, codes of practice, and Standards.
- 4.2 Locate passages for five given unrelated subjects in the Electricity (Safety) Regulations and summarise them.

Outcome 5

Demonstrate knowledge of AS/NZS 3000.

Evidence requirements

- 5.1 Describe the structure of AS/NZS 3000 in terms of clauses that are mandatory and those that are only a means of compliance.
- 5.2 State the fundamental safety requirements contained in AS/NZS 3000 in terms of protection of people and property.
- 5.3 Explain testing and verification of electrical work as prescribed in AS/NZS 3000.
- 5.4 Locate clauses for five given unrelated subjects in AS/NZS 3000 and summarise them.

Outcome 6

Demonstrate knowledge of AS/NZS 3760.

Evidence requirements

- 6.1 Describe the purpose of AS/NZS 3760.
- 6.2 Describe the structure of AS/NZS 3760 in terms of clauses that are mandatory and those that are only a means of compliance.
- 6.3 State the fundamental safety requirements contained in AS/NZS 3760 in terms of protection of people and property.
- 6.4 Explain testing and verification of electrical equipment as prescribed in AS/NZS 3760.
- 6.5 Locate clauses for five given subjects in AS/NZS 3760.

Outcome 7

Demonstrate knowledge of the New Zealand Electrical Codes of Practice.

Evidence requirements

- 7.1 Describe the purpose of New Zealand Electrical Codes of Practice
- 7.2 Describe the structure of New Zealand Electrical Codes of Practice in terms of clauses that are mandatory and those that are only a means of compliance.
- 7.3 State the fundamental safety requirements contained in New Zealand Electrical Codes of Practice in terms of protection of people and property.
- 7.4 Locate clauses for five given subjects in New Zealand Electrical Codes of Practice and summarise them.

Planned review date	31 December 2019
----------------------------	------------------

Status information and last date for assessment for superseded versions

Process	Version	Date	Last Date for Assessment
Registration	1	21 July 2016	N/A

Consent and Moderation Requirements (CMR) reference	0003
--	------

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

Please note

Providers must be granted consent to assess against standards (accredited) by NZQA, before they can report credits from assessment against unit standards or deliver courses of study leading to that assessment.

Industry Training Organisations must be granted consent to assess against standards by NZQA before they can register credits from assessment against unit standards.

Providers and Industry Training Organisations, which have been granted consent and which are assessing against unit standards must engage with the moderation system that applies to those standards.

Requirements for consent to assess and an outline of the moderation system that applies to this standard are outlined in the Consent and Moderation Requirements (CMR). The CMR also includes useful information about special requirements for organisations wishing to develop education and training programmes, such as minimum qualifications for tutors and assessors, and special resource requirements.

Comments on this unit standard

Please contact The Skills Organisation at reviewcomments@skills.org.nz if you wish to suggest changes to the content of this unit standard.