

Title	Demonstrate knowledge of theory and practice for electrical workers		
Level	3	Credits	1

Purpose	<p>This unit standard covers the capstone assessment of knowledge of electrical theory and practice for people who wish to work or are working in the electrical and related trades.</p> <p>People credited with this unit standard are able to demonstrate knowledge of:</p> <ul style="list-style-type: none"> – legislation relating to the electrical industry; – electrical theory; and – electrical practice.
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Classification	Electrical Engineering > Electrical Standards and Statutes
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Available grade	Achieved
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Explanatory notes

- 1 This unit standard has been developed for learning and assessment off-job.
- 2 This unit standard is to be assessed at or near completion of all outcomes of the New Zealand Certificate in Electrical Engineering Theory (Level 3) [Ref: 2387] for which this unit standard represents a capstone assessment.
- 3 The assessment is to cover all aspects of programmes leading to the award of the New Zealand Certificate in Electrical Engineering Theory (Level 3) [Ref: 2387], and is not an EWRB assessment.
- 4 Achievement of this unit standard alone does not entitle trainees to legally perform prescribed electrical work without supervision. Until registered and licensed under the Electricity Act 1992, trainees are assisting, and must work under supervision when carrying out prescribed electrical work.
- 5 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 legislation relating to the electrical industry.

Evidence requirements

- 1.1 Present answers in response to questions regarding the provisions of legislation, New Zealand Electrical Codes of Practice and Standard, and supply references to relevant clauses in support.

Outcome 2

Demonstrate knowledge of electrical theory.

Evidence requirements

- 21 Present answers in response to questions regarding electrical theory and provide relevant references in support.

Outcome 3

Demonstrate knowledge of electrical practice.

Evidence requirements

- 3.1 Present answers in response to questions regarding electrical practice and provide relevant references in support.

Planned review date	31 December 2019
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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
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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 (CMRs). 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.