

Title	Demonstrate knowledge of regulations and codes of practice for Electrical Service Technicians – A		
Level	3	Credits	2

Purpose	<p>'Electrical Service Technician – A' (EST – A) refers to a class of electrical registration for people who need to service electrical appliances and equipment designed to connect to a single-phase supply by flexible cord and plug, and rated at no more than 230 volts, 10 amps. Registration is the responsibility of the Electrical Workers Registration Board.</p> <p>People credited with this unit standard are able to:</p> <ul style="list-style-type: none"> –demonstrate knowledge of the responsibilities and limitations pertaining to holders of EST – A registration; and –identify and apply Electricity Regulations, Codes of Practice, and relevant standards.
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Classification	Electrical Engineering > Core Electrical
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Available grade	Achieved
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Guidance Information

- 1 This unit standard has been developed for learning and assessment off-job.
- 2 This unit standard, together with Unit 10933, *Demonstrate knowledge of electrical theory for Electrical Service Technicians – A*, Unit 10934, *Demonstrate knowledge of safety, protection, and testing for Electrical Service Technicians – A*, and Unit 10936, *Demonstrate practical skills required for Electrical Service Technicians – A*, and their prerequisites, are designed to meet the *Safety instruction, theory examination, and practical assessment* requirements for registration as an Electrical Service Technician 'A' (EST – A). For details of additional registration requirements, that is, work experience, candidates should contact the Electrical Workers Registration Board, PO Box 10156, Wellington, telephone: 0800 661 000.
- 3 Training courses designed to prepare candidates for credit in this unit standard must meet the requirements of the *Electricity Regulations 1997, Schedule 2*, and the *Teaching Guidelines for Electrical Service Technician 'A'*, issued by the Electrical Workers Registration Board.
- 4 **Definition**
Codes of Practice – New Zealand Electrical Codes of Practice (NZECP, Ministry of Economic Development, ISSN 0114-0663).

5 References

Electricity Act 1992;
Electricity Regulations 1997;
Health and Safety in Employment Act 1992;
AS 1939 supplement 1–1990, *Degrees of protection provided by enclosures for electrical equipment (IP Code)*;
AS/NZS 2381.1:2005, *Electrical equipment for explosive atmospheres – Selection, installation and maintenance – General requirements*;
AS/NZS 3000:2007, *Electrical installations (known as the Australian/New Zealand Wiring Rules)*;
AS/NZS 3008.1.2:1998, *Electrical installations Selection of cables – Cables for alternating voltages up to and including 0.6/1 kV – Typical New Zealand installation conditions*;
AS/NZS 3019:2007, *Electrical installations – Periodic verification*;
AS/NZS 3760:2003A1, *In-service safety inspection and testing of electrical equipment: Amendment 1*;
NZECP 50:2004, *New Zealand Electrical Code of Practice for Repair and Maintenance of Domestic Electrical Appliances by the Owner of the Appliance*;
NZECP 54:2001, *New Zealand Electrical Code of Practice for the Installation of Recessed Luminaires and Auxillary Equipment*;
Electrical Service Technician 'A' Handbook, Electrical Workers Registration Board;
and all subsequent amendments and replacements.

Outcomes and performance criteria

Outcome 1

Demonstrate knowledge of the responsibilities and limitations pertaining to holders of EST – A registration.

Performance criteria

- 1.1 The terms 'supervision' and 'supervisor of electrical work' are defined in accordance with the Electricity Act.
- 1.2 Demonstration includes description of limits of electrical work that may be carried out after passing the EST – A examination, and after obtaining registration from the Electrical Workers Registration Board.
- 1.3 Demonstration includes identification of persons who may assist a registered electrical service technician in carrying out 'prescribed electrical work', in accordance with the Electricity Regulations.
- 1.4 Demonstration includes description of the limits and restrictions that the Electrical Workers Registration Board may impose upon registered persons with regard to the type of work that may be undertaken, and where, and for whom, the registered person may work.
- 1.5 Demonstration includes the responsibilities of persons carrying out 'prescribed electrical work', in accordance with the Electricity Regulations.

Range responsibilities – compliance with the Electricity Act, Electricity Regulations, Codes of Practice, and all relevant standards as they apply to the work undertaken, high standard of workmanship, and safe working practices.

- 1.6 Demonstration includes identification of situations where the services of a Registered Electrician may be required, in accordance with the Electricity Regulations.

Outcome 2

Identify and apply Electricity Regulations, Codes of Practice, and relevant standards.

Range Electricity Act 1992, Health and Safety in Employment Act 1992, Electricity Regulations 1997, and all relevant standards.
Evidence is limited to regulations and codes of practice, or parts thereof, which relate to work that EST- A registered persons may perform. Candidates may refer to the Electricity Regulations, Codes of Practice, and all relevant standards during the assessment.

Performance criteria

- 2.1 Electricity Regulations, Codes of Practice, and all relevant standards are identified by quoting number, clause, and verbatim text pertinent to any aspect of EST – A work.
- 2.2 Regulations, Codes of Practice and all relevant standards are applied to practical situations within the scope of EST – A work.

This unit standard is expiring. Assessment against the standard must take place by the last date for assessment set out below.

Status information and last date for assessment for superseded versions

Process	Version	Date	Last Date for Assessment
Registration	1	25 June 1997	31 December 2022
Revision	2	3 April 2001	31 December 2022
Revision	3	14 August 2002	31 December 2022
Rollover and Revision	4	25 February 2008	31 December 2022
Review	5	28 January 2021	31 December 2022

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>.