

Title	Carry out planned maintenance of electrical equipment		
Level	4	Credits	3

Purpose	<p>This unit standard covers planned electrical maintenance work, and is for people wishing to qualify as electricians or in related trades.</p> <p>People credited with this unit standard are able to:</p> <ul style="list-style-type: none"> – plan and prepare for maintenance of electrical equipment; and – carry out maintenance work, document results, and notify completion of maintenance of electrical equipment.
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Classification	Electrical Engineering > Electrical Installation and Maintenance
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Available grade	Achieved
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Guidance Information

- 1 This unit standard has been developed for learning and assessment on-job.
- 2 **Definition**
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 **Range**
 - a Planned maintenance work can be carried out on lighting systems, building services, appliances, switchgear, and transformers.
 - b Candidates may refer to current legislation and Standards during assessment.
 - c Demonstration of safe working practices and installation in accordance with *safe and sound practice* are essential components of assessment of this unit standard.
 - d All activities and evidence presented for all outcomes and performance criteria 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 performance criteria

Outcome 1

Plan and prepare for maintenance of electrical equipment.

Performance criteria

- 1.1 Consult appropriate personnel to ensure that maintenance work is coordinated effectively with others involved on the work site.
- 1.2 Establish and document a work sequence in accordance with maintenance schedules and/or supervisor or customer instructions.
- 1.3 Assemble and check all materials, tools, equipment, test instruments, and manufacturers' instructions necessary to complete the work in accordance with maintenance instructions.

Outcome 2

Carry out maintenance work, document results, and notify completion of maintenance of electrical equipment.

Performance criteria

- 2.1 Carry out maintenance work in accordance with the maintenance plan.
- 2.2 Notify all appropriate personnel of the completion of the maintenance work and advise any suggestions for improvements or modifications in accordance with company requirements.
- 2.3 Update maintenance records in accordance with company requirements.

Replacement information	This unit standard replaced unit standard 16414.
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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	21 July 2016	31 December 2025
Review	2	24 March 2022	31 December 2025

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>.