

Title	Install, commission, and maintain emergency lighting systems		
Level	4	Credits	2

Purpose	People credited with this unit standard are able to: <ul style="list-style-type: none"> – install emergency lighting systems; – commission emergency lighting systems; and – maintain emergency lighting systems.
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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 This unit standard and unit standards 29438, 29442, and 29482 together meet the assessment requirements of ERAC EPC 55.
- 3 Definitions
EPC – Essential Performance Capability
ERAC – Electrical Regulatory Authorities Council.
EWRB – Electrical Workers Registration Board.
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)*.
- 4 Range
 - a Evidence of two maintenance events and one installation is required.
 - 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

Install emergency lighting systems.

Performance criteria

1.1 Carry out installation.

Range battery bank, charging units, cables, distribution and control systems, emergency lighting units, earthing requirements.

1.2 Complete installation in accordance with customer's requirements and job specification.

Outcome 2

Commission emergency lighting systems.

Performance criteria

2.1 Carry out commissioning tests.

2.2 Complete documentation including certification.

Range drawings, test results, commissioning log.

Outcome 3

Maintain emergency lighting systems.

Performance criteria

3.1 Test emergency lighting systems periodically for correct operation and record results.

3.2 Locate and replace faulty components.

3.3 Re-commission emergency lighting systems following maintenance operations.

Replacement information	This unit standard replaced unit standard 10782.
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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 2027
Review	2	24 March 2022	31 December 2027
Rollover and Revision	3	25 May 2023	31 December 2027

Consent and Moderation Requirements (CMR) reference

0003

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