

<b>Title</b>	<b>Install electrical equipment in damp situations</b>		
<b>Level</b>	<b>4</b>	<b>Credits</b>	<b>3</b>

<b>Purpose</b>	People credited with this unit standard are able to: <ul style="list-style-type: none"> <li>– plan the installation of electrical equipment in damp situations; and</li> <li>– install electrical equipment in damp situations.</li> </ul>
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<b>Classification</b>	Electrical Engineering > Electrical Installation and Maintenance
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<b>Available grade</b>	Achieved
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### Guidance Information

- 1 This unit standard has been developed for learning and assessment on-job.
- 2 Achievement of this unit standard does not by itself imply that trainees may legally perform prescribed electrical work in their own right. Until they are registered and licensed under the Electricity Act 1992, trainees are assisting, and must work under the supervision of a Supervisor of Electrical Work when carrying out prescribed electrical work. If the prescribed electrical work in question is carried out for reward the Supervisor of Electrical Work must hold a valid practising licence.
- 3 References  
 Electricity (Safety) Regulations 2010;  
 Health and Safety in Employment Act 1992;  
 AS/NZS 3000:2007, *Electrical installations (known as the Australian/New Zealand Wiring Rules)*, including Amendment 1;  
 AS 1939 Supp 1-1990, *Degrees of protection provided by enclosures for electrical equipment (IP Code) – Wallchart 1 (Supplement 1 to AS 1939: 1990)*;  
 and all subsequent amendments and replacements.
- 4 Definitions  
 The term *current regulations and standards* is used in this unit standard to refer to the requirements of the above references.  
 The term *safe and sound practice* relating to the installation of electrical equipment is defined in AS/NZS 3000:2007.
- 5 Range
  - a Demonstration of *safe working practices* and installation in accordance with *safe and sound practice* are essential components of assessment of this unit standard.
  - b Damp situations may include but are not limited to – swimming pools, spa pools, cow-sheds, freezers, laundries, washrooms, water features, hosing down areas.

- c Evidence is required for at least six different electrical fittings in one or more damp situations.

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## Outcomes and performance criteria

### Outcome 1

Plan the installation of electrical equipment in damp situations.

#### Performance criteria

- 1.1 Planning includes location of electrical fittings by consultation with the client and reference to drawings where available.
- 1.2 Planning includes application of aspects of current regulations and standards applicable to the particular installation.
- Range may include but are not limited to – zonal classification of the area; degree of ingress protection required for equipment and fittings, means of connection, earthing and bonding, mounting height and position; access restrictions for water proof, splash proof, and weather protected fittings.
- 1.3 Planning identifies suitable wiring systems and fittings to match the application and the required degree of protection.

### Outcome 2

Install electrical equipment in damp situations.

#### Performance criteria

- 2.1 All fittings are confirmed as suitable for the installation in terms of current regulations and standards.
- 2.2 Equipment is installed according to manufacturer's specifications and current regulations and standards.
- 2.3 Installation meets client's requirements.
- 2.4 Electrical tests are carried out in accordance with current regulations and standards.
- 2.5 Documentation is completed according to current regulations and company requirements.

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<b>Replacement information</b>	This unit standard and unit standard 15871 replaced unit standard 2018 and unit standard 2029.
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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	10 February 1999	31 December 2013
Review	2	26 May 2005	31 December 2021
Rollover and Revision	3	15 March 2012	31 December 2021
Revision	4	15 January 2014	31 December 2021
Review	5	21 July 2016	31 December 2027
Review	6	24 March 2022	31 December 2027
Rollover and Revision	7	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>.