

Title	Demonstrate and apply knowledge of regulations and ethical practices relevant to the switchboard industry		
Level	4	Credits	5

Purpose	<p>This unit standard is for people engaged in the manufacture of switchboards in the electrotechnology industry.</p> <p>People credited with this unit standard are able to:</p> <ul style="list-style-type: none"> – demonstrate knowledge of ethical and professional work practices in switchboard manufacture – demonstrate knowledge of regulations specific to switchboard manufacture – apply regulations specific to switchboard manufacture.
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Classification	Electrical Engineering > Electric Switchboards
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Available grade	Achieved
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Guidance Information

1 This unit standard may be used for learning and assessment off-job or on-job.

2 References

- Accident Compensation Act 2001
- AS/NZS 3000 *Electrical installations (known as the Australian/New Zealand Wiring Rules)*
- AS/NZS 61439.4:2016, *Low-voltage switchgear and controlgear assemblies – Part 4: Particular requirements for assemblies for construction sites (ACS)*, available at [Standards NZ](https://standards.nz)
- Electricity Act 1992
- Electricity (Safety) Regulations 2010
- Health and Safety at Work Act 2015
- The New Zealand Electrical Codes of Practice, available at WorkSafe New Zealand, worksafe.govt.nz and all subsequent amendments and replacements.

3 Definitions

ECANZ – Electrical Contractors Association of New Zealand.

EWRB – Electrical Workers Registration Board.

Industry practice – those practices that competent practitioners within the industry recognise as current industry best practice.

Safe and sound practice – this relates to the installation of electrical equipment and is defined in AS/NZS 3000.

- 4 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 evidence presented for assessment against 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
 - vi where appropriate, manufacturers' instructions, specifications, and data sheets.

Outcomes and performance criteria

Outcome 1

Demonstrate knowledge of ethical and professional work practices in switchboard manufacture.

Performance criteria

- 1.1 Identify relevant legislation and industry requirements that a switchboard manufacturer should employ to ensure professionalism.
- 1.2 Describe the standards that a commercially competent switchgear manufacturer should uphold.
- 1.3 Describe the attitude, aptitude, and behaviour expected of a commercially competent switchgear manufacturer.
- 1.4 Explain the responsibilities a switchboard manufacture has to its employees, organisation, community, and industry.
- 1.5 Explain ethical, professional, social, and cultural behaviours that should be demonstrated in the organisation, community, and industry.

Outcome 2

Demonstrate knowledge of regulations specific to switchboard manufacture.

Performance criteria

2.1 Explain the role of relevant industry regulations to switchboard manufacture.

Range includes but is not limited to – Electricity Act 1992, Electricity (Safety) Regulations 2010, Health and Safety at Work Act 2015, Accident Compensation Act 2001, AS/NZS 3000, AS/NZS 61439.4:2016.

2.2 Explain the role, impact, and influence of relevant regulatory organisations in the switchboard industry.

Range includes but is not limited to – EWRB, ECANZ, WorkSafe New Zealand.

2.3 Explain purpose of professional development and provide evidence of attending one industry-based seminar or workshop for professional development.

Outcome 3

Apply regulations specific to switchboard manufacture.

Performance criteria

3.1 Apply regulations relevant to switchboard manufacturer work in a given situation.

3.2 Explain the consequences of non-compliance with regulations in terms of the offender, client, and the organisation.

Replacement information	This unit standard replaced unit standard 14977.
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Planned review date	31 December 2026
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Status information and last date for assessment for superseded versions

Process	Version	Date	Last Date for Assessment
Registration	1	17 November 2016	N/A
Rollover and Revision	2	25 July 2024	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>.

Comments on this unit standard

Please contact the Waihangā Ara Rau Construction and Infrastructure Workforce Development Council qualifications@waihanga.nz if you wish to suggest changes to the content of this unit standard.