

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; and – apply regulations specific to switchboard manufacture in the workplace.
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Classification	Electrical Engineering > Electric Switchboards
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Available grade	Achieved
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Explanatory notes

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

Accident Compensation Act 2001;
 AS/NZS 3000:2007 *Electrical installations (known as the Australian/New Zealand Wiring Rules)*;
 AS/NZS 3439.4:2009, *Low-voltage switchgear and control gear assemblies – Particular requirements for assemblies for construction sites (ACS)*;
 Electricity Act 1992;
 Electricity (Safety) Regulations 2010;
 Health and Safety at Work Act 2015;
 The New Zealand Electrical Codes of Practice, available from [WorkSafe New Zealand](#);
 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 3000:2007.

- 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; and,
 - vi where appropriate, manufacturers' instructions, specifications, and data sheets.

Outcomes and evidence requirements

Outcome 1

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

Evidence requirements

- 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.

Evidence requirements

- 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 3000:2007, AS/NZS 3439:2009.
- 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.

Evidence requirements

- 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 2021
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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

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>.

Please note

Providers must be granted consent to assess against standards (accredited) by NZQA, before they can report credits from assessment against unit standards or deliver courses of study leading to that assessment.

Industry Training Organisations must be granted consent to assess against standards by NZQA before they can register credits from assessment against unit standards.

Providers and Industry Training Organisations, which have been granted consent and which are assessing against unit standards must engage with the moderation system that applies to those standards.

Requirements for consent to assess and an outline of the moderation system that applies to this standard are outlined in the Consent and Moderation Requirements (CMR). The CMR also includes useful information about special requirements for organisations wishing to develop education and training programmes, such as minimum qualifications for tutors and assessors, and special resource requirements.

Comments on this unit standard

Please contact The Skills Organisation reviewcomments@skills.org.nz if you wish to suggest changes to the content of this unit standard.