

<b>Title</b>	<b>Demonstrate and apply professional and ethical behaviour as an engineering technician</b>		
<b>Level</b>	<b>6</b>	<b>Credits</b>	<b>15</b>

<b>Purpose</b>	People credited with this unit standard are able to: demonstrate and apply knowledge of a professional engineering body's rules and code of ethics; apply social, cultural, safety, and environmental planning considerations to well-defined engineering activities; develop and sustain professional working relationships with stakeholders; and evaluate own performance in developing and sustaining professional working relationships with stakeholders.
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<b>Classification</b>	Engineering > Generic Engineering
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<b>Available grade</b>	Achieved
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### Guidance Information

- 1 The following legislation and requirements apply to this unit standard:
  - Health and Safety at Work Act 2015;
  - Resource Management Act 1991;
  - Current New Zealand jurisdiction requirements and regulatory framework including but not limited to: compliance regimes covered by statute or local body by-law; design specifications; conditions of contract (including applicable registered standards and approved codes of practice); and public consultation procedures.
  - Client and/or company specifications and standards;
  - The ethical codes and standards relevant to professional bodies such as Engineering New Zealand (ENZ), the Institute of Refrigeration, Heating and Air Conditioning Engineers of New Zealand Inc (IRHACE), the Electricity Engineers' Association (EEA) or New Zealand Asset Management Support (NAMS).
  
- 2 Definitions
  - Accepted procedures and methodologies* are the procedures and methodologies required by the candidate's engineering sector and which meet applicable legal and code requirements, registered standards, organisational policies and procedures, and manufacturers' specifications.
  - Professional body* refers to any professional organisation representing the practice area in which the candidate is engaged. These organisations may include but are not limited to: ENZ, IRHACE, EEA, or NAMS.
  - Well-defined engineering activities* are activities or projects that include some or all of the following:
    - Limited range of resources, e.g. people, money, equipment, materials, information and technologies

- Resolving interactions between limited technical and engineering issues where wider issues have little or no impact
- Consequences that are important locally but aren't far-reaching
- Knowledge of practical procedures and practices for widely-applied operations and processes.

### 3 Assessment

Assessment against this unit standard must be based on evidence from the practice area the candidate is engaged in. The practice area for the candidate may include but is not limited to: engineering consultancy, maintenance or asset management, design, manufacturing, installation, production engineering, technical sales and customer service, draughting services, construction, or contracting in any of the following engineering disciplines – civil, electrical, electronic or mechanical.

All outcomes and performance criteria in this standard must be demonstrated in accordance with accepted procedures and methodologies.

Evidence of two activities is required.

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## Outcomes and performance criteria

### Outcome 1

Demonstrate and apply knowledge of a professional engineering body's rules and code of ethics.

#### Performance criteria

- 1.1 An engineering professional body's rules and code of ethics are analysed in terms of implications for own professional behaviour as an engineering technician.
- 1.2 Well-defined engineering activities are carried out in accordance with the professional body's rules.
- 1.3 Well-defined engineering activities are carried out in accordance with the professional body's code of ethics.

Range compliance with the code of ethics includes – ethical obligations, competence obligations, good character obligations.

### Outcome 2

Apply social, cultural, safety, and environmental planning considerations to well-defined engineering activities.

#### Performance criteria

- 2.1 Planning is completed in consultation with stakeholders regarding social, cultural, safety, and environmental outcomes.

**Outcome 3**

Develop and sustain professional working relationships with stakeholders.

**Performance criteria**

3.1 Interactions with stakeholders are carried out with collaboration and cooperation.

Range collaboration and cooperation may include but are not limited to – maintenance of professional standards in all dealings; partnership in community-based tasks; easily understood communication; demonstration of cultural, environmental, and socio-economic sensitivity; ability to negotiate agreements.

**Outcome 4**

Evaluate own performance in developing and sustaining professional working relationships with stakeholders.

**Performance criteria**

4.1 Strengths and weaknesses are identified and improvements to enhance development and sustainment of professional relationships are evaluated.

<b>Replacement information</b>	This unit standard replaced unit standard 17298 and unit standard 17301.
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<b>Planned review date</b>	31 December 2024
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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 2011	31 December 2018
Review	2	16 June 2016	31 December 2021
Review	3	12 December 2019	N/A

<b>Consent and Moderation Requirements (CMR) reference</b>	0234
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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 Connexis - Infrastructure Industry Training Organisation [qualifications@connexis.org.nz](mailto:qualifications@connexis.org.nz) if you wish to suggest changes to the content of this unit standard.