

Perform basic residential electrical maintenance under supervision

Level 2

Credits 5

Purpose People credited with this unit standard are able to: prepare to perform basic electrical maintenance in a residential dwelling under supervision; perform basic tasks associated with residential electrical items; and complete work operations under supervision.

Subfield Construction Trades

Domain Basic Residential Property Maintenance

Status Registered

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Entry information Open.

Accreditation Evaluation of documentation and visit by NZQA and industry.

Standard setting body (SSB) Building and Construction Industry Training Organisation

Accreditation and Moderation Action Plan (AMAP) reference 0048

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

Special notes

1 Definitions

Health and safety requirements refer to the documented safety plan for the workshop or site which is required to ensure compliance with the requirements of the Health and Safety in Employment Act 1992, and the Health and Safety in Employment Regulations 1995.

Specifications refer to documented instructions (oral, written, graphic) and may include the following: specifications from a supervisor or project specific drawings or requirements.

Work place practice refers to the documented procedures specific to a work site which set out the standard and required practices of that work place. For this unit standard, *work place* includes residential dwellings.

- 2 Evidence for credit for this unit standard must be gathered under full supervision by a supervisor of electrical work, and requires full compliance with the Electricity Act 1992 and the Electricity Regulations 1997. The supervisor must be fully conversant with the requirements of the Act, the Regulations and the Electrical Workers Registration Board.
- 3 Evidence for achieving credit in this unit standard can be presented in conjunction with meeting the outcomes of other unit standards in the *Basic Residential Property Maintenance* domain or related domains at Level 2.
- 4 Legislation relevant to this unit standard includes:
Health and Safety in Employment Act 1992;
Health and Safety in Employment Regulations 1995.

Elements and performance criteria

Element 1

Prepare to perform basic electrical maintenance in a residential dwelling under supervision.

Performance criteria

- 1.1 Safe practices when working with electricity are described in accordance with electricity regulations and guidelines.
- 1.2 Standard electrical components of electrical fittings and fixtures are described in terms of their function.

Range electrical meter, fuse, fuse wire, circuit, circuit breaker, circuit breaker box, main power board, hot water cylinder, cylinder temperature thermostat, light bulb, stove door seal, stove fuse, stove plug-in element, plug, power point, light switch.
- 1.3 The location of the work to be performed is identified from job specifications.
- 1.4 The work to be performed is described in terms of process and techniques to be used.
- 1.5 Tools, equipment, and personal protective equipment (PPE) are identified and selected to match the job requirements.

Element 2

Perform basic tasks associated with residential electrical items under supervision.

Range read an electrical meter; check a hot water cylinder water temperature thermostat; replace a light bulb and light shade; replace a stove door, stove door seal, stove fuse, stove plug-in element.

Performance criteria

- 2.1 Electrical item is switched off prior to task commencing in accordance with electricity regulations and guidelines.
- 2.2 The specified task is carried out and finished in accordance with job specifications.
- 2.3 Tools, equipment and PPE are used in accordance with health and safety requirements and work place practice.

Element 3

Complete work operations under supervision.

Performance criteria

- 3.1 Tools, equipment and PPE are maintained and securely stored to prevent tampering and theft in accordance with health and safety requirements and work place practice.
- 3.2 Site is cleared of all surplus components, equipment, tools and debris in accordance with health and safety requirements and work place practice.

Please note

Providers must be accredited by NZQA, or an inter-institutional body with delegated authority for quality assurance, before they can report credits from assessment against unit standards or deliver courses of study leading to that assessment.

Industry Training Organisations must be accredited by NZQA before they can register credits from assessment against unit standards.

Accredited providers and Industry Training Organisations assessing against unit standards must engage with the moderation system that applies to those standards.

Accreditation requirements and an outline of the moderation system that applies to this standard are outlined in the Accreditation and Moderation Action Plan (AMAP). The AMAP 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 Building and Construction Industry Training Organisation national.office@bcito.org.nz if you wish to suggest changes to the content of this unit standard.