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| Title | Operate a cable spiking and cutting tool | | |
| Level | 3 | Credits | 2 |

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| Purpose | People credited with this unit standard are able to: demonstrate knowledge of the construction of a cable spiking and cutting tool, and its purpose; identify the potential hazards when operating a cable spiking and cutting tool and describe the safety procedures to minimise the hazards; and operate a cable spiking and cutting tool. |
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| Classification | Electricity Supply > Electricity Supply - Testing |
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| Available grade | Achieved |
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Guidance Information

- 1 Evidence presented for assessment against this unit standard must be consistent with safe working practices and be in accordance with applicable legislative and industry requirements.
- 2 Legislation, regulations and/or industry standards relevant to this unit standard include but are not limited to the current version of the Health and Safety at Work Act 2015; and any subsequent amendments and replacements; Electricity Act 1992; Electricity (Safety) Regulations 2010; Electricity supply industry codes of practice and documented enterprise procedures, including *Safety Manual – Electricity Industry (SM-EI)* (2015) available at www.eea.co.nz.
- 3 Definitions
Asset owner refers to a participant who owns or operates assets used for generating or conveying electricity.
Cable spiking and cutting tool refers to a device designed to be operated remotely to prove cable is de-energised.
Industry requirements include all asset owner requirements; manufacturers' specifications; and enterprise requirements which cover the documented workplace policies, procedures, specifications, business, and quality management requirements relevant to the workplace in which assessment is carried out.

Outcomes and performance criteria

Outcome 1

Demonstrate knowledge of the construction of a cable spiking and cutting tool, and its purpose.

Performance criteria

- 1.1 The circumstances in which a cable spiking and cutting tool is used are described.
- 1.2 The reasons why a cable spiking and cutting tool is used are described.
- 1.3 The parts of a cable spiking and cutting tool are identified, and their purpose is explained.
- Range may include – spike, charge, safety plate, cable clamp, firing mechanism, lanyard, lanyard pin, blade, battery, remote control, earthing clamp.

Outcome 2

Identify the potential hazards when operating a cable spiking and cutting tool and describe the safety procedures to minimise the hazards.

Performance criteria

- 2.1 Potential hazards when operating a cable spiking and cutting tool are identified.
- Range evidence of eight hazards is required.
- 2.2 The safety procedures to be followed when operating a cable spiking and cutting tool to minimise the hazards are described.
- 2.3 The role of circuit protection equipment in the operation of a cable spiking and cutting tool is explained.

Outcome 3

Operate a cable spiking and cutting tool.

Range evidence of three operations is required.

Performance criteria

- 3.1 The requirement for an access or test permit is determined and, if required, an access or test permit is obtained prior to operation.
- 3.2 A cable spiking and cutting tool is operated, following safety procedures, and in accordance with manufacturers' instructions.
- 3.3 Tool maintenance procedures are undertaken following operation of the tool in accordance with manufacturers' instructions.

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| Planned review date | 31 December 2025 |
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Status information and last date for assessment for superseded versions

| Process | Version | Date | Last Date for Assessment |
|--------------|---------|-------------------|--------------------------|
| Registration | 1 | 25 October 2007 | 31 December 2016 |
| Revision | 2 | 15 September 2011 | 31 December 2016 |
| Review | 3 | 18 September 2014 | 31 December 2022 |
| Review | 4 | 27 August 2020 | N/A |

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| Consent and Moderation Requirements (CMR) reference | 0120 |
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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 if you wish to suggest changes to the content of this unit standard.