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| Title | Demonstrate knowledge of street light installations | | |
| Level | 4 | Credits | 2 |

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| Purpose | People credited with this unit standard are able to demonstrate knowledge of street light installations. |
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| Classification | Electricity Supply > Electricity Supply - Distribution Networks |
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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 industry and legislative 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; Electricity Act 1992; Electricity (Safety) Regulations 2010; and any subsequent amendments and replacements; Electricity supply industry codes of practice and documented enterprise procedures, including *Safety Manual – Electricity Industry* (SM-EI) (2015) Wellington: Electricity Engineers' Association, available from www.eea.co.nz.
- 3 Definitions
Asset owner refers to a participant who owns or operates assets used for generating or conveying electricity.
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

Outcome1

Demonstrate knowledge of street light installations.

Performance criteria

- 1.1 Electrical street light circuits are identified.
 Range drawings, workplaces.

1.2 Types of luminaires and associated hardware used in street lighting are described.

Range may include but is not limited to – fluorescent, high pressure sodium, incandescent, low pressure sodium, mercury vapour, light emitting diode (LED), starting hardware; evidence of three types is required.

1.3 Control methods for street lighting are described.

Range may include but is not limited to – fuse, photo relay, ripple relay, smart relay, cascade; evidence of two methods is required.

1.4 Compliance requirements for street light installations are identified.

Range may include but not is limited to – Electrical Standards, New Zealand Electrical Codes of Practice; requirements of Network Asset owners or Local Authorities; evidence of two is required.

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| Planned review date | 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 | 20 March 2014 | 31 December 2021 |
| Review | 2 | 28 November 2019 | 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 at qualifications@connexis.org.nz if you wish to suggest changes to the content of this unit standard.