

Title	Operate and store machinery, plant, and equipment in an electricity network environment		
Level	4	Credits	6

Purpose	People credited with this unit standard are able to: develop a work plan for the use of machinery, plant, and equipment around electricity network sites; operate electricity network machinery, plant, and equipment; store plant and equipment.
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Classification	Electricity Supply > Electricity Supply - Core Skills
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Available grade	Achieved
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Guidance Information

- 1 This unit standard is intended for, but not restricted to, workplace assessment. The range statements across the unit standard can be applied according to industry specific equipment, procedures, and processes.
- 2 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.
- 3 Legislation, regulations and/or industry standards relevant to this unit standard include but are not limited to:
 - Electricity Act 1992
 - Health and Safety at Work Act 2015
 - Electricity supply industry codes of practice and documented enterprise procedures, including *Safety Manual – Electricity Industry* (SM-EI) and relevant EEA guides available at www.eea.co.nz and any subsequent amendments and replacements.
- 4 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.
- 5 Assessment of practical skills against the outcomes in this standard requires three practical observations from three different workplace activities.

Outcomes and performance criteria

Outcome 1

Develop a work plan for the use of machinery, plant, and equipment around electricity network sites.

Performance criteria

1.1 A work plan is developed for the use of electricity network machinery, plant, and equipment based on worksite hazard management assessment.

Range includes but is not limited to – safe working zone, site risk assessment, bonding, earthing, minimum approach distances (MAD), step and touch potential risk, equipotential zone (EPZ).

Outcome 2

Operate electricity network machinery, plant, and equipment.

Range may include but is not limited to – mobile cranes, truck loader cranes, winches, wire winders, other line only type equipment, borer, auger, digger equipment, water trucks, compressors, high and low pressure pumping equipment, air assisted blast posts, generators; evidence of a minimum of three different types of equipment is required.

Performance criteria

2.1 Asset owner's operating procedures and equipment manufacturers' operating and maintenance instructions, industry guides, codes of practice and EEA guides are followed.

Range evidence of having followed one set of instructions or guides is required.

Outcome 3

Store plant and equipment

Performance criteria

3.1 Machinery, plant and equipment are inspected prior to and after carrying out storage operations.

Range includes but is not limited to – condition, location, type classification.

3.2 Machinery, plant and equipment are secured for storage.

Range includes but is not limited to – protection from: weather, fire, theft, vandalism.

3.3 Machinery, plant and equipment records are maintained.

Range electronic or written manual records.

Replacement information	This unit standard replaced unit standard 10510 and unit standard 10549.
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Planned review date	31 December 2027
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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	1 December 2020
Review	2	28 September 2017	31 December 2024
Review	3	2 March 2023	N/A

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 assessment standard

Please contact Waihanga Ara Rau Construction and Infrastructure Workforce Development Council qualifications@WaihangaAraRau.nz if you wish to suggest changes to the content of this unit standard.