

Title	Remove and install electricity network pole structures using live line hot stick up to 66kV		
Level	4	Credits	20

Purpose	People credited with this unit standard are able to remove and install electricity network pole structures using live line hot stick up to 66kV.
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Classification	Electricity Supply > Electricity Supply - Live Work
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Available grade	Achieved
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Guidance Information

- 1 Entry into live work is conditional on the trainee meeting the minimum requirements of NZECP 46:2003: *New Zealand Electrical Code of Practice for High Voltage Live Line Work* available at <https://worksafe.govt.nz/laws-and-regulations/standards/electricity-standards-and-codes-of-practice/>.
- 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 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 at www.eea.co.nz.
- 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 may include the documented workplace policies, procedures, specifications, business, and quality management requirements relevant to the workplace in which assessment is carried out.
- 5 Pole types, structures and configurations may include but are not limited to:
types – concrete, wood, steel;
structures – single, double;
configurations – angle, equipment support, intermediate, termination.

- 6 It is recommended people achieve Unit 10521, *Install and replace electricity network pole structures*; Unit 10538, *Inspect, test, and clean live line tools and equipment*; Unit 10542, *Demonstrate knowledge of live line theory and procedures*; Unit 24746, *Demonstrate knowledge of rigging electricity network structures*; or demonstrate equivalent knowledge and skills, before being assessed against this unit standard.

Outcomes and performance criteria

Outcome 1

Remove and install electricity network pole structures using live line hot stick up to 66kV.

Performance criteria

- 1.1 Worksite is prepared, and a safe working zone is established.
- Range includes – site information, plans, procedures, approvals, tools, equipment, working platforms, communication with affected personnel.
- 1.2 Conductors are displaced and reinstated on electricity network pole structures.
- Range hot stick procedures, mechanical support hot stick procedures, hot stick equipment mounted on the new structure
- 1.3 Poles are removed and erected, and worksite is reinstated.
- Range mechanical and manual excavation of pole holes; concrete, breast and toe blocks, direct back fill, imported back fill, strengthened back fill.
- 1.4 Completed work is reported concisely, in the required format and within the scheduled time frame.

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	19 June 1997	31 December 2022
Review	2	27 April 2001	31 December 2022
Review	3	22 October 2003	31 December 2022
Review	4	18 September 2009	31 December 2022
Revision	5	21 May 2010	31 December 2022
Review	6	27 February 2020	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 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.