

Title	Install a mains energizer for an electric fence, and identify and rectify faults		
Level	4	Credits	4

Purpose	People credited with this unit standard are able to install a mains energizer, and identify and rectify faults in an electric fence.
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Classification	Agriculture > Fencing
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Available grade	Achieved
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Guidance Information

- 1 Product use manuals are available from manufacturers and should be consulted in all training situations.
- 2 Legislation relevant to this unit standard includes but is not limited to the Health and Safety at Work Act 2015, and its subsequent amendments.

Outcomes and performance criteria

Outcome 1

Install a mains energizer.

Performance criteria

- 1.1 Energizer is selected to match fence length, fence type, and climatic conditions.
- 1.2 Energizer is installed adjacent to power source and fence, and in accordance with manufacturer's instructions.
- 1.3 Lead out wire is selected in accordance with fence loading, soil type, soil moisture retention, and vegetation.
- 1.4 Lead out wire is connected and earthed in accordance with manufacturer's instructions.
- 1.5 Earth pegs are installed and tested in accordance with manufacturer's instructions.
- 1.6 Fence and earth pegs are tested using a volt meter in accordance with manufacturer's instructions.

- 1.7 Load is tested using an ohms meter in accordance with manufacturer's instructions.

Outcome 2

Identify and rectify faults in an electric fence.

Performance criteria

- 2.1 Faults are identified from fence structural and performance indicators.
- Range construction, proven loss, short, vegetation burden, surplus conductivity and line resistance.
- 2.2 Identified faults are rectified so that conductivity levels are compatible with energizer output in accordance with manufacturer's specifications.

This unit standard is expiring. Assessment against the standard must take place by the last date for assessment set out below.

Status information and last date for assessment for superseded versions

Process	Version	Date	Last Date for Assessment
Registration	1	22 August 2008	31 December 2022
Review	2	29 April 2021	31 December 2022

Consent and Moderation Requirements (CMR) reference	0052
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This CMR can be accessed at <http://www.nzqa.govt.nz/framework/search/index.do>.