

Field **Engineering and Technology**

Review of *Electricity Supply* unit standards

Subfield	Domain	ID
Electricity Supply	Electricity Supply - Core Skills	28110, 31954, 32255
	Electricity Supply - Distribution Networks	28278, 31968
	Electricity Supply - Transmission Networks	28943

Waihanga Ara Rau Construction and Infrastructure Workforce Development Council has completed the review of the unit standards listed above.

Date new versions published

May 2022

Planned review date

31 December 2025

Summary

The Capstone Advisory Group of Waihanga Ara Rau reviewed the unit standards that underpin the capstone assessments for electrical workers in electricity supply. Their recommendations were circulated to stakeholders and accepted.

Main changes

- The Purpose Statement and Guidance Information statements were adjusted to include two additional unit standards that underpin capstone assessments, Unit 28110 and Unit 31968.
- Outcome 4 in Unit 28943 was removed to more accurately reflect the tasks of a Transmission Line Mechanic.
- Changes were made to the wording of outcomes, performance criteria and range statements in Unit 32255 to clarify the intent of the standards.
- Range statements were removed in the practical capstone unit standards 31954 and 28278 to reflect industry requirements.
- Unit 28278 was reviewed and replaced by unit 33058 as the reviewed content was deemed sufficiently different to warrant a new unit.

Category C unit standard 28278 will expire at the end of December 2023.

The last date for assessment of superseded versions of Category B unit standards is December 2023.

Detailed list of unit standards – classification, title, level, and credits

Key to review category	
A	Dates changed, but no other changes are made - the new version of the standard carries the same ID and a new version number
B	Changes made, but the overall outcome remains the same - the new version of the standard carries the same ID and a new version number
C	Major changes that necessitate the registration of a replacement standard with a new ID
D	Standard will expire and not be replaced

Engineering and Technology > Electricity Supply > Electricity Supply - Core Skills

ID	Title	Level	Credit	Review Category
28110	Demonstrate knowledge of electrical power, energy, cost of consumption, and inductors and capacitors in AC circuits	4	4	B
31954	Install and commission network lines, and service a transformer using an access permit	4	10	B
32255	Demonstrate and apply knowledge of legislation and codes of practice in the electricity supply industry	4	8	B

Engineering and Technology > Electricity Supply > Electricity Supply – Distribution Networks

ID	Title	Level	Credit	Review Category
28278	Plan, joint, and test underground cables, and carry out a rescue from an electricity supply pit	4	10	C
33058	Plan, joint, and test underground cables, and operate a cutting or spiking tool	4	10	NEW
31968	Install or repair traction network structures	4	10	B

Engineering and Technology > Electricity Supply > Electricity Supply – Transmission Networks

ID	Title	Level	Credit	Review Category
28943	Plan and carry out maintenance on transmission grid assets, and carry out a rescue Plan and carry out maintenance on transmission grid assets	4	10	B