

Field Engineering and Technology

Review of *Electricity Supply* unit standards

Subfield	Domain	ID
Electricity Supply	Electricity Supply - Power System Maintenance	30812-30816

Connexis has completed the review of the unit standards listed above.

Date new versions published

April 2021

Planned review date

December 2026

Summary

As part of the qualification review resulting in the listing of the New Zealand Certificate in Wind Farm Maintenance (Level 4) [Ref: 3793] (version 2), Connexis identified unit standards that required review. Consultation occurred with stakeholders from May to December 2020.

Main changes

- Five unit standards were no longer required for the programme leading to the reviewed qualification and were designated as expiring without replacement.
- New unit standards were developed to address training needs at levels 2, 3 and 4.

Category D unit standards will expire at the end of December 2022

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

All changes are in **bold**.

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

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ID	Title	Level	Credit	Review Category
30812	Demonstrate knowledge of sensor types used on wind generation equipment	4	10	D
30813	Carry out fault finding and maintenance of generation plant and auxiliary equipment used in wind turbines	4	15	D
30814	Carry out fault finding and maintenance of mechanical systems used in wind turbines	4	15	D
30815	Demonstrate knowledge of wind turbine power control systems, and hazards associated with wind turbine installations	4	15	D
30816	Demonstrate knowledge of hydraulics used in wind turbines	4	15	D
32388	Describe wind turbines and their components	2	6	New

ID	Title	Level	Credit	Review Category
32389	Demonstrate knowledge of electrical, mechanical and hydraulic systems used in a wind turbine	2	6	New
32390	Demonstrate knowledge of safety in a wind farm environment	3	5	New
32391	Demonstrate knowledge of electrical systems in a wind turbine	3	5	New
32392	Demonstrate knowledge of mechanical systems in a wind turbine	3	5	New
32393	Demonstrate knowledge of hydraulic systems in a wind turbine	3	5	New
32394	Maintain an electrical system in a wind turbine	3	15	New
32395	Maintain mechanical and hydraulic systems in a wind turbine	3	20	New
32396	Demonstrate knowledge of procedures for the installation of a wind turbine	4	10	New
32397	Diagnose and repair faults in an electrical system used in wind turbines	4	15	New
32398	Diagnose and repair faults in mechanical and hydraulic systems used in wind turbines	4	20	New
32399	Demonstrate knowledge of maintenance and reliability of wind turbines	4	10	New
32400	Demonstrate knowledge of faults, fault diagnosis and testing in wind turbines	4	10	New
32401	Demonstrate knowledge of wind turbine systems and process safety in a wind farm environment	4	15	New