

Field Engineering and Technology

Review of *Electricity Supply* unit standards

Subfield	Domain	ID
Electricity Supply	Electricity Supply - Business Services	19485, 19486
	Electricity Supply - Core Skills	12296, 17028, 18037, 18277, 28495
	Electricity Supply - Live Work	10531-10542, 17570, 20083-20087
	Electricity Supply - Metering	19472
	Electricity Supply - Retail	24524
	Electricity Supply - Transmission Networks	20412, 20413, 20416, 24749

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

Date new versions published

February 2020

Planned review date

December 2025

Summary

Connexis identified a group of unit standards due or overdue for review. Some of these had very low usage in the last five years and are not in current Connexis programmes. After consultation with stakeholders with consent to assess for these unit standards, a group of unit standards were set to expire. The remaining unit standards were reviewed by a group of subject matter experts in April – November 2019.

Main changes

- Guidance information was updated in all standards to ensure currency with industry knowledge and practice.
- Some standards had changes to titles, as identified in the table below, to more accurately reflect the outcome(s).
- Some of the standards were condensed to one outcome and have simplified performance criteria without substantially changing the overall outcome.
- Standard 17028 was identified as a duplicate of standard 17027, so it was set to expire.
- Other Category D standards were designated expiring without replacement, as identified in the table below, principally because of low usage.

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

The last date for assessment of superseded versions of Category B unit standards is December 2022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

Engineering and Technology > Electricity Supply > Electricity Supply - Business Services

ID	Title	Level	Credit	Review Category
19485	Conduct a compliance audit of work carried out in the electricity supply industry	4	6	D
19486	Conduct a health and safety compliance audit in the electricity supply industry	4	6	D

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

ID	Title	Level	Credit	Review Category
12296	Apply earths to and remove earths from electrical conductors, plant and equipment	3	2	B
17028	Demonstrate the requirements for holding permits on high voltage electrical equipment	3	2	D
18037	Plan a confined space entry in the electricity supply industry	4	4	B
18277	Demonstrate knowledge of the requirements for holding access and test permits in the electricity supply industry	3	2	B
28495	Demonstrate the requirements for holding permits for work in the vicinity of power lines and underground power cables Demonstrate knowledge of the requirements for permits for work near power lines and underground power cables	3	4	B

Engineering and Technology > Electricity Supply > Electricity Supply - Live Work

ID	Title	Level	Credit	Review Category
10531	Remove and install hardware and equipment on structures using live line hot stick up to 66kV Remove and install line hardware and equipment on structures using live line hot stick up to 66kV	4	20	B
10532	Remove and install hardware on termination towers using hot sticks greater than 110kV	4	6	D
10533	Remove and install line hardware on angle towers using live line hot sticks greater than 110kV	4	6	D
10534	Remove and install line hardware on suspension towers using live line hot sticks greater than 110kV	4	6	D
10535	Remove and install electricity network pole structures using live line hot stick up to 66kV	4	20	B
10536	Make and break live line connections using live line hot stick procedures up to 33kV Make and break high voltage connections up to 33kV using live line hot stick procedures	4	10	B

ID	Title	Level	Credit	Review Category
10537	Make and break live line connections using live line glove and barrier procedures up to 33kV Make and break high voltage connections up to 33kV using live line glove and barrier procedures	4	10	B
10538	Inspect, test, and clean live line tools and equipment	4	6	B
10539	Access electricity supply lines for bare-hand live line work	4	4	D
10540	Replace and install hardware on structures using live line glove and barrier procedures up to 33kV	5	30	B
10541	Remove and install pole structures using live line glove and barrier procedures up to 33kV	5	20	B
10542	Demonstrate knowledge of live line theory and procedures	4	10	B
17570	Carry out short-term inspections of electricity network structures up to line voltage live line MAD	3	6	D
20083	Install non load bearing accessories on electricity supply conductors using hot stick techniques	5	6	D
20084	Displace jumpers and suspension strings on electricity supply transmission lines using hot stick techniques	5	6	D
20085	Install non load bearing accessories on electricity supply conductors using bare-hand techniques	5	10	D
20086	Replace suspension insulators on electricity supply structures using live line bare-hand techniques	5	12	D
20087	Replace tension insulators on electricity supply structures using live line bare-hand techniques	5	15	D

Engineering and Technology > Electricity Supply > Electricity Supply - Metering

ID	Title	Level	Credit	Review Category
19472	Install and commission high voltage (HV) electricity current transformer metering	4	10	D

Engineering and Technology > Electricity Supply > Electricity Supply - Retail

ID	Title	Level	Credit	Review Category
24524	Demonstrate knowledge of the requirements for switching a customer in the electricity supply industry	3	6	D

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

ID	Title	Level	Credit	Review Category
20412	Carry out a line patrol on an electricity supply network	3	6	D
20413	Carry out condition assessments of electricity supply wooden pole structures	4	6	D
20416	Carry out condition assessments of electricity supply line hardware and conductors	4	5	B
24749	Erect emergency transmission structures	4	10	D