

**Field      Engineering and Technology**

**Review of *Electricity Supply* unit standards**

<b>Subfield</b>	<b>Domain</b>	<b>ID</b>
Electricity Supply	Electricity Supply - Power System Maintenance	10395, 10397, 10413, 10414, 14328, 14331
	Electricity Supply - Power System Management	15568, 16277, 16282, 27654
	Electricity Supply - Testing	14273, 14288, 14291, 14294, 14297

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

**Date new versions published**

**April 2020**

**Planned review date**

**December 2025**

**Summary**

Connexis identified a group of unit standards due or overdue for review. Some of these have had very low usage in the last five years and are not in current Connexis programmes. After consultation with stakeholders with consent to assess 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 were condensed to one outcome to more accurately reflect the task being assessed.
- Titles for unit standards 14328, 14331, 16277 and 16282 were amended to improve clarity.
- 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**The last date for assessment of superseded versions of Category B unit standards is December 2022**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**.

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

Engineering and Technology > Electricity Supply > Electricity Supply - Power System Maintenance

ID	Title	Level	Credit	Review Category
10395	Repair and overhaul compressed air systems	4	5	D
10397	Repair and overhaul cooling systems	4	5	D
10413	Service pumps and components in electricity supply power plants	3	3	D
10414	Repair and overhaul pumps	5	8	D
14328	Carry out in-service visual inspections on substation equipment for safe operation <b>Carry out an inspection of substation equipment</b>	3	4	B
14331	Carry out in-service visual inspection checks on substation auxiliary plant and equipment <b>Carry out safety and operational inspection checks on substation auxiliary plant and equipment</b>	3	4	B

Engineering and Technology > Electricity Supply > Electricity Supply - Power System Management

ID	Title	Level	Credit	Review Category
15568	Coordinate power system outages	5	10	D
16277	Evaluate faults on electricity supply power network equipment (System Operation) <b>Diagnose faults on electricity supply network equipment (System Operation)</b>	5	11	B
16282	Respond to routine events and minor emergencies on the electricity supply power system <b>Respond to power system events and emergencies on the electricity supply power system</b>	5	15	B
27654	Demonstrate knowledge of SCADA systems in the electricity supply power system	3	2	B

Engineering and Technology > Electricity Supply > Electricity Supply - Testing

ID	Title	Level	Credit	Review Category
14273	Carry out maintenance and commissioning tests on instrument transformers	4	5	B
14288	Carry out tests on battery banks and charge systems	3	4	B
14291	Test and repair a SCADA system	5	6	B
14294	Carry out insulating oil sampling and voltage breakdown tests	3	3	B
14297	Carry out commissioning and maintenance tests on single and multiple input protection systems	5	6	B