

Field Engineering and Technology

Review and expiry of *Electricity Supply* unit standards

| Subfield | Domain | ID |
|--------------------|--|--|
| Electricity Supply | Electricity Supply - Distribution Networks | 10523, 10524, 10552, 10553, 17568, 18031, 19952, 20060, 20417, 20418 |
| | Electricity Supply - Retail | 24522, 24523 |
| | Electricity Supply - Testing | 14269, 14270, 14274-14276, 14278, 14281, 14283, 14285, 14290, 20190, 20191 |
| | Electricity Supply - Utilisation | 14191, 14192 |

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

Date new versions published

January 2019

Summary

The unit standards were identified as overdue for review. Checks of usage showed that the standards had received little or no usage in the last 3 years and are not included in any current Connexis programmes. A list of standards was circulated among relevant industry stakeholders in October 2018, and any standards identified as no longer needed were reviewed with the intention to expire them from the Directory of Assessment Standards.

Main changes

- All standards were designated expiring and reissued as new versions with an expiry date included.
- References in guidance information and within individual standards were updated.
- Standard setting body information and contact details were updated.

Category D unit standards will expire at the end of December 2020

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 - Distribution Networks

| ID | Title | Level | Credit | Review Category |
|-------|---|-------|--------|-----------------|
| 10523 | Install optical fibre ground wire conductors and associated hardware | 4 | 8 | D |
| 10524 | Install aerial bundled conductors and associated line hardware | 4 | 6 | D |
| 10552 | Joint paper insulated oil pressure multicore power cables from 22kV to 110kV in the electricity supply industry | 5 | 10 | D |

| ID | Title | Level | Credit | Review Category |
|-------|---|-------|--------|-----------------|
| 10553 | Joint paper insulated gas pressure multicore power cables from 22 kV to 110 kV in the electricity supply industry | 5 | 10 | D |
| 17568 | Restore supply of electricity in a distribution environment | 4 | 6 | D |
| 18031 | Measure and prune trees around electricity lines for vegetation control to minimum approach distance | 4 | 8 | D |
| 19952 | Demonstrate knowledge of terminology, and testing and equipment requirements for working on electricity supply networks | 2 | 4 | D |
| 20060 | Terminate LV paper insulated power cables in the electricity supply industry | 3 | 5 | D |
| 20417 | Replace or repair single phase electrical components | 4 | 6 | D |
| 20418 | Replace or repair three phase electrical components | 4 | 6 | D |

Engineering and Technology > Electricity Supply > Electricity Supply - Retail

| ID | Title | Level | Credit | Review Category |
|-------|--|-------|--------|-----------------|
| 24522 | Demonstrate knowledge of requirements for a change of revenue meter or associated equipment for electricity supply | 3 | 4 | D |
| 24523 | Demonstrate knowledge of requirements for a new connection and livening of a site in the electricity supply industry | 3 | 4 | D |

Engineering and Technology > Electricity Supply > Electricity Supply - Testing

| ID | Title | Level | Credit | Review Category |
|-------|--|-------|--------|-----------------|
| 14269 | Locate faults in distribution and transmission power cables | 4 | 5 | D |
| 14270 | Carry out tests on ripple injection equipment | 3 | 5 | D |
| 14274 | Carry out electrical tests on high voltage bus connected equipment | 3 | 4 | D |
| 14275 | Carry out maintenance and/or commissioning tests on an earthing mat and equipment bonding system | 3 | 3 | D |
| 14276 | Carry out maintenance and/or commissioning tests on high voltage power cables and terminations | 3 | 4 | D |
| 14278 | Carry out laboratory tests on electrical insulating oil | 5 | 10 | D |
| 14281 | Carry out acceptance and maintenance tests on distance protection relays | 5 | 4 | D |
| 14283 | Carry out tests on distribution oil filled power transformers of 33kV and below 10 MVA | 4 | 5 | D |
| 14285 | Carry out tests on uninterrupted power supply supplies | 3 | 4 | D |
| 14290 | Join, terminate, test and commission specialist communication cable systems | 4 | 5 | D |
| 20190 | Conduct introductory insulation resistance testing in the electricity supply industry | 2 | 2 | D |
| 20191 | Conduct advanced insulation resistance testing in the electricity supply industry | 4 | 5 | D |

Engineering and Technology > Electricity Supply > Electricity Supply - Utilisation

| ID | Title | Level | Credit | Review Category |
|-----------|---|--------------|---------------|------------------------|
| 14191 | Undertake a preliminary analysis and interpretation of customer energy solution | 4 | 8 | D |
| 14192 | Prepare energy utilisation solutions and assess options | 4 | 6 | D |