

Field Engineering and Technology**Review of *Electricity Supply* unit standards**

Subfield	Domain	ID
Electricity Supply	Electricity Supply - Distribution Networks	10543, 10547, 10550, 18026, 20061, 20063, 20071, 20072, 20073, 20535, 23896
	Electricity Supply - Testing	24152

The Infrastructure Industry Training Organisation has completed the review of the unit standards listed above.

Date new versions published

September 2014

Planned review date

December 2019

Summary

The review of these unit standards was initiated through their planned review and the Targeted Review of Qualifications (TRoQ) for Electrotechnology triggered in 2013.

The unit standards were reviewed to ensure that they are fit for purpose and relevant to the Electricity Supply industry. Industry representatives in the TRoQ Review Group were involved in the review and writing of these unit standards and have provided feedback on the versions that were reviewed.

Main changes

- The titles of unit standards 10543 and 20073 have been changed to better reflect the unit standard outcomes.
- The levels of unit standards 10550 and 20063 have been increased.
- The credits of unit standards 10547, 10550, 20061, 20063, 20071, 20072, and 20535 have been adjusted to reflect learning and assessment.
- Changes were made to outcomes, evidence requirements, ranges and/or explanatory notes to ensure delivery and assessment consistency.
- New unit standards 28276, 28277, 28278, 28279, 28280 and 28281 have been developed to meet the industry and qualification graduate profile outcome requirements.

The last date for assessment of superseded versions of these standards is 31 December 2016. Results will not be accepted where the assessment date is after the last date for assessment of the superseded version of the standard.

Impact on existing organisations with consent to assess

Current consent for			Consent extended to		
Nature of consent	Classification or ID	Level	Nature of consent	Classification or ID	Level
Subfield	Electricity Supply	4	Standards	10550, 20063	5
Domain	Electricity Supply - Distribution Networks	4	Standards	10550, 20063	5
Standard	10543	3	Standard	20535	4
Standard	10547	4	Standard	24152	3
Standard	18026	3	Standard	28277	3

Impact on Consent and Moderation Requirements (CMR)

None.

Impact on registered qualifications

Key to type of impact	
Affected	The qualification lists a reviewed classification (domain or subfield) in an elective set The qualification lists a standard that has changes to level or credits The qualification lists a C or D category standard
Not materially affected	The qualification lists a standard that has a new title The qualification lists a standard that has a new classification

The following Infrastructure Industry Training Organisation qualifications are impacted by the outcome of this review and will be updated when they are reviewed as part of the Targeted Review of Qualifications process. The standards that generated the status *Affected* are listed in **bold**.

Ref	Qualification Title	ID
0869	National Certificate in Electricity Supply (Cable Jointer - Low Voltage) (Level 3)	10543, 20071, 20072,
0870	National Certificate in Electricity Supply (Cable Jointer - High Voltage) (Level 4) with an optional strand in Cable Jointer Advanced	10547, 10550, 20061, 20063, 20535, 23896

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
10543	Identify and protect underground services during excavation and reinstatement Plan, identify and protect underground services during excavation and reinstatement	3	10	B

ID	Title	Level	Credit	Review Category
10547	Joint HV polymeric insulated power cables up to and including 11kV in the electricity supply industry	4	5 10	B
10550	Joint HV polymeric insulated power cables from 22kV to 33kV in the electricity supply industry	4 5	8 10	B
18026	Carry out a rescue from an electricity supply services pit	3	2	B
20061	Terminate HV polymeric insulated power cables up to and including 11kV in the electricity supply industry	4	5 10	B
20063	Terminate HV polymeric insulated power cables from 22kV to 33kV in the electricity supply industry	4 5	8 10	B
20071	Joint live LV polymeric insulated power cables in the electricity supply industry	4	5 10	B
20072	Terminate live LV polymeric insulated power cables in the electricity supply industry	4	5 10	B
20073	Demonstrate knowledge of the installation of power and telecommunications cables Demonstrate knowledge of the installation of power cables	2	2	B
20535	Joint electricity supply power cables up to and including 11kV using transition jointing methods	4	6 15	B
23896	Demonstrate knowledge of electrical circuit protection for distribution networks	4	4	B
28276	Demonstrate knowledge of electrical circuit protection devices for power cables	3	2	New
28277	Demonstrate knowledge of power cable construction	3	2	New
28278	Plan, joint, and test underground cables, and carry out a rescue from an electricity confined space	4	10	New
28279	Demonstrate knowledge of electrical protection principles and the effects of faults on distribution networks	4	4	New
28280	Demonstrate knowledge of underground power cable installation requirements	4	4	New
28281	Joint electricity supply power cable from 22 kV to 33 kV using transition jointing methods	5	15	New

Engineering and Technology > Electricity Supply > Electricity Supply - Testing

ID	Title	Level	Credit	Review Category
24152	Operate a cable spiking tool	3	2	B