

FIELD ENGINEERING AND TECHNOLOGY**Revision and Rollover of *Electricity Supply* unit standards**

Subfield	Domain	ID
Electricity Supply	Electricity Supply – Core Skills	16283 , 17027, 19950
	Electricity Supply – Distribution Networks	10510, 10518, 10522, 10526, 10545, 10549, 12298, 18024, 18031, 20423
	Electricity Supply – Power System Management	16278

The Electricity Supply Industry Training Organisation (ESITO) has rolled over and revised the unit standards listed above. Standard 16283 (in **bold**) has only been revised.

Date new versions published

October 2007

Planned review date

December 2010

Reason for the revision

Amendments have been made to these unit standards in conjunction with an overall review of the National Certificate in Electricity Supply Line Mechanic qualifications. All standards have been updated to reflect changes in legislation, and some standards have had changes made to titles and content as a result of the review of the qualifications. These changes have been made to more accurately align the standards with the skills required by Line Mechanics.

Standard 18272, originally part of this revision and rollover, has been withdrawn for further review.

Main changes resulting from the revision

- Special notes have been updated
- Titles have been changed (standards 10510, 10549, 16278, 18031, 19950)
- Elements have been added or altered (standard 18031)
- Range statements have been added or altered (standards 10510, 10549, 10526, 17027, 19950)
- Performance Criteria have been added or altered (standards 10510, 10526, 10549, 16278, 18029, 18031, 18272, 19950, 20423)
- Changes have been made to entry information (standards 17027, 18031, 12298)
- Credit value for standard 18031 has increased from 6 to 8.

Impact on existing provider accreditations

None.

Impact on existing qualifications

Qualifications that contain the revised standards are tabled below.

Affected	The qualification lists a revised classification (domain or subfield) in an elective set The qualification lists a standard that has changes to level or credits
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 ESITO qualifications are affected by the outcome of this revision. They will be updated when they are next reviewed.

Qualification title	Classification or standard in the qualification
National Certificate in Electricity Supply (Line Mechanic) (Level 3) with strands in Distribution, and Transmission [Ref: 1116]	10510, 10549, 18031
National Certificate in Electricity Supply (Vegetation Control) (Level 4) [Ref: 0858]	18031

The following ESITO qualifications are not materially affected by the changes. They will be updated when they are next reviewed or revised.

Qualification title	Classification or standard in the qualification
National Certificate in Electricity Supply (Line Mechanic) (Level 3) with strands in Distribution, and Transmission [Ref: 1116]	10510, 10549, 18031
National Certificate in Electricity Supply (Line Mechanic Distribution) (Level 4) [Ref: 0874]	16278, 16283, 19950
National Certificate in Electricity Supply (Cable Joiner – Low Voltage) (Level 3) [Ref: 0869]	10549, 19950
National Certificate in Electricity Supply (Network Operator) (Level 4) [Ref: 0892]	16278, 16283
National Certificate in Electricity Supply (Mechanical Fitter) (Level 4) with strands in Hydro, Networks, and Thermal; and an optional strand in Electrical Services [Ref: 0918]	10510
National Certificate in Electricity Supply (Metering Technician) (Level 4) [Ref: 1247]	19950
National Certificate in Electricity Supply (Line Mechanic Transmission) (Level 4) [Ref: 0872]	19950
National Certificate in Electricity Supply (Sub Station Maintainer) (Level 4) [Ref: 1118]	19950
National Certificate in Electricity Supply (Field Switcher) (Level 4) [Ref: 1117]	16283, 19950
National Certificate in Electricity Supply (Vegetation Control) (Level 4) [Ref: 0858]	18031
National Certificate in Electricity Supply (Overhead Cable Installer) (Level 2) [Ref: 0919]	10510
National Certificate in Electricity Supply (Electrical Services Technician) (Level 3) [Ref: 1098]	19950
National Certificate in Electricity Supply (Condition Assessment) (Level 4) [Ref: 1101]	19950

Summary of main changes

All changes are in **bold**.

Subfield Electricity Supply
Domain Electricity Supply – Core Skills

Id	Title	Level	Credit
16283	Remove electricity supply field network equipment from service for access to work (Field Operations) Remove electricity supply field network equipment from service for access to work	4	8
17027	Demonstrate the requirements for holding access permits on high voltage electrical lines	3	2
19950	Demonstrate knowledge of electrical testing and test instruments in the electricity supply industry Use test instruments and carry out electrical testing in the electricity supply industry	3	3

Subfield Electricity Supply
Domain Electricity Supply – Distribution Networks

Id	Title	Level	Credit
10510	Use lines machinery plant and equipment in an electricity network environment Use machinery, plant and equipment in an electricity network environment	4	6
10518	Install and service street lighting	4	8
10522	Install low voltage (LV) electricity network overhead conductors	4	8
10526	Operate ground and structure mounted electrical equipment associated with electric lines up to 66kV	3	4
10545	Joint LV polymeric insulated power cables in the electricity supply industry	3	4
10549	Load, transport and store electricity supply cables Load, transport and store electricity supply cables, plant and equipment	3	4
12298	Install pad mounted electrical equipment	4	6
18024	Install structure mounted electrical equipment in the electricity supply industry environment	4	6
18031	Prune trees around electrical lines up to close work zone Measure and prune trees around electricity lines for vegetation control to minimum approach distance	4	6 8
20423	Install high voltage electricity network overhead conductors	4	8

Subfield Electricity Supply
Domain Electricity Supply – Power System Management

Id	Title	Level	Credit
16278	Evaluate faults on electricity supply network equipment (Field Operation) Evaluate faults on electricity supply network plant and equipment	4	9