

Reason for the revision

The domain that contained most of the ESITO unit standards, Electricity Networks, had become too big and required splitting into more appropriate classifications. This large domain was also causing issues regarding accreditation of training providers – in particular with accreditation relating to live line work which requires training providers to have specialist plant, equipment, and expertise for training delivery and assessment.

The new domains were identified by industry focus groups and reflect both current and future categories for the electricity supply industry.

Main changes resulting from the revision

- All the unit standards have been reclassified
- Eight unit standards have had minor changes in their titles
- Entry requirements have been updated, where applicable, to reflect changes in unit standard titles
- The term 'enterprise' has been replaced by 'industry' throughout the unit standards
- Special notes have been updated for consistency of style and to reflect changes in compliance requirements
- Minor adjustments and corrections have been made to purpose statements, elements, performance criteria, and ranges.

Impact on existing provider accreditations

Appropriate extensions to provider accreditations have been negotiated between ESITO and individual providers. This is due to safety and physical equipment requirements for programme delivery within some domains.

Impact on Accreditation and Moderation Action Plan (AMAP)

AMAP 0120 has been updated to reflect the reclassification changes.

Impact on existing qualifications

The following ESITO qualifications are affected by this revision and will be revised accordingly.

Ref	Qualification Title
0858	National Certificate in Electricity Supply (Vegetation Control) (Level 4)
0868	National Certificate in Electricity Supply (Level 2) with strands in Line Mechanic, Cable Jointer, Cable Layer, and Road Opening
0869	National Certificate in Electricity Supply (Cable Jointer – Low Voltage) (Level 3)
0871	National Certificate in Electricity Supply (Line Mechanic – Transmission) (Level 3)
0872	National Certificate in Electricity Supply (Live Line Mechanic – Transmission) (Level 4)
0873	National Certificate in Electricity Supply (Line Mechanic – Distribution) (Level 3)
0874	National Certificate in Electricity Supply (Line Mechanic – Distribution) (Level 4) with optional strands in Glove and Barrier, and Hot Stick
0888	National Certificate in Electricity Supply (Electrical) (Level 3) with strands in Electrical Fitter, and Electrician

Ref	Qualification Title
0889	National Certificate in Electricity Supply (Operator) (Level 3) with strands in Hydro Operations, and Network Operations
0891	National Certificate in Electricity Supply (Mechanical Fitter) (Level 3) with strands in Hydro, Networks, and Thermal
0894	National Certificate in Electricity Supply (Thermal Plant Operator) (Level 4) with strands in Thermal Operations, Combined Cycle Operations, and Co-generation Operations
0917	National Certificate in Electricity Supply (Technician) (Level 4) with strands in Control and Instrumentation, Power Technician, and HVDC Technician; and an optional strand in Electrical Services
0918	National Certificate in Electricity Supply (Mechanical Fitter) (Level 4) with strands in Hydro, Networks, and Thermal; and an optional strand in Electrical Services
0919	National Certificate in Electricity Supply (Overhead Cable Installer) (Level 2)
0921	National Certificate in Electricity Supply (Electrical) (Level 4) with optional strands in Electrical Fitter Networks, and Electrical Fitter Hydro
0924	National Certificate in Electricity Supply (Trades Assistant) (Level 2)
1100	National Certificate in Electricity Supply (Line Patrols) (Level 3)

Other standard setting bodies whose qualifications are affected by this revision have been advised accordingly.

Summary of main changes to standards' classification, titles, levels, and credits

The following table shows the changes made to the standards. All changes are in **bold**.

Subfield Electricity Supply

Domain Electricity Generation

Electricity Supply – Thermal Operations and Control

Id	Title	Level	Credit
17398	Operate gas plant in a thermal electricity generation power station	4	6
17409	Operate and monitor turbine steam systems in a thermal electricity generation power station	4	12
17419	Operate boiler air and flue gas system in a thermal electricity generation power station Operate boiler air and flue gas systems in a thermal electricity generation power station	4	4

Domain Electricity Networks

Electricity Supply – Core Skills

Id	Title	Level	Credit
12296	Apply earths to and remove earths from electrical conductors, plant and equipment	3	2
12297	Rig electrical network structures	4	6
12387	Operate electrical switchgear	3	3
18028	Demonstrate knowledge of earthing in high voltage (HV) electricity network installations and works	3	2
18037	Plan a confined space entry in the electricity supply industry	4	4
18273	Demonstrate knowledge of the sources, origin, basic composition, and properties of electricity	2	5

Id	Title	Level	Credit
18277	Demonstrate knowledge of the requirements for holding permits in the electricity supply industry	3	2

Domain Electricity Networks

Electricity Supply – Distribution Networks

Id	Title	Level	Credit
10518	Install and service street lighting	4	8
10522	Install low voltage electricity network overhead conductors Install low voltage (LV) electricity network overhead conductors	4	8
10523	Install and replace optical fibre ground wire conductors and associated hardware	4	8
10524	Install and replace aerial bundled conductors and associated line hardware	4	6
10525	Install and replace catenary conductors and associated line hardware	3	6
10543	Identify and protect underground services during excavation and reinstatement	3	10
10544	Install power and telecommunications cables in an electricity supply environment	4	6
18026	Carry out a rescue from an electricity supply services pit	3	2
18030	Operate power-operated elevating work platforms (EWP) to prune trees around electrical lines	4	5
18033	Carry out winch assisted tree felling in the electricity supply industry	4	10
18202	Install overhead cables on electricity supply and other networks	4	8

Domain Electricity Networks

Electricity Supply – Live Work

Id	Title	Level	Credit
10532	Remove and install hardware on termination towers using hot sticks above 110kV	4	6
10533	Remove and install line hardware on angle towers using live line hot sticks greater than 110kV	4	6
10534	Remove and install line hardware on suspension towers using live line hot sticks greater than 110kV	4	6
18034	Remove and install electricity network hardware on termination towers using bare hand above 50kV	4	6
18035	Remove and install electricity network hardware on angle towers using bare hand greater than 50kV	4	6
18036	Remove and install electricity network hardware on suspension towers using bare hand above 50kV	4	6

Domain Electricity Networks
Electricity Supply – Metering

Id	Title	Level	Credit
19309	Install electricity metering control relays	3	2
19310	Install electricity metering single phase whole current meters Install electricity metering single-phase whole current meters	4	3
19311	Install electricity metering poly phase whole current meters Install electricity metering poly-phase whole current meters	4	3
19312	Transport and package electricity metering revenue meters and test equipment	2	2
19313	Demonstrate knowledge of electricity metering systems and installations	3	8
19314	Programme electricity metering data loggers in the electricity supply industry	4	3
19315	Bench test and adjust electricity meters	3	4
19316	Design a low voltage electricity meter installation Design a low voltage (LV) electricity meter installation	5	10
19317	Design a high voltage electricity meter installation Design a high voltage (HV) electricity meter installation	5	5
19318	Install and commission low voltage electricity current transformer metering Install and commission low voltage (LV) electricity current transformer metering	4	10
19319	Install and commission voltage transformer metering in the electricity supply industry	4	12
19320	Calibrate revenue metering current transformers in the electricity supply industry	5	12
19321	Calibrate revenue metering voltage transformers in the electricity supply industry	5	12
19322	Calibrate electricity meters in the electricity supply industry	5	12
19472	Install and commission high voltage electricity current transformer metering Install and commission high voltage (HV) electricity current transformer metering	4	10

Domain Electricity Networks
Electricity Supply – Transmission Networks

Id	Title	Level	Credit
10516	Overhaul transmission pole and tower hardware	4	8
10517	Overhaul electricity network tower foundations	4	8
10519	Construct transmission tower foundations	4	10
10520	Erect electricity transmission towers	4	10
10527	Restore electricity network lines using emergency structures	4	10
10528	Prepare steel and apply protective coatings to electricity network tower structures	3	6
10530	Remove electricity network overhead pole line installations up to 110kV	3	6

Id	Title	Level	Credit
18022	Repair electricity network tower footings	2	4
18025	Reconduct and install electricity network overhead conductors over 50kV	4	10