

FIELD ENGINEERING AND TECHNOLOGY**Review of *Electricity Supply* unit standards**

Subfield	Domain	Id
Electricity Supply	Electricity Supply – Core Skills	12297
	Electricity Supply – Testing	14284
	Electricity Supply – Transmission Networks	10516, 10520, 10527, 18025, 20419, 20420

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

Date new versions published

April 2008

Planned review date

December 2012

Summary of review and consultation process

These unit standards were reviewed as part of an overall review of Transmission qualifications, in collaboration with a Transpower training advisory group. Transpower had drafted curricula (TP.SS 06.20) detailing the minimum competencies required by anyone working on Transpower assets. ESITO were undertaking a review of the transmission pathway to align it with the new curricula. Some standards had minor changes made, but some had major changes made which necessitated the registration of a replacement standard with a new ID.

Main changes resulting from the review

- special notes, elements, range statements, and performance criteria were updated
- titles of standards 20419 and 20420 were amended to reflect skills covered
- credit value of 20419 was reduced from 6 to 3
- entry information for standards 14284, 20419, and 20420 was updated
- standards 10516, 10520, 10527, and 12297 were replaced by standards 24747, 24748, 24749, and 24746 respectively
- new standard 24669 was developed for registration in the Electricity Supply – Power System Maintenance domain.

Unit standards categorised as category C expire at the end of December 2011

Impact on existing provider accreditations

Current Accreditation for			Accreditation extended to		
Nature of accreditation	Id	Level	Nature of accreditation	Id	Level
Standard	10527	4	Standard	24749	4

Impact on Accreditation and Moderation Action Plan (AMAP)

None.

Impact on existing qualifications

Qualifications that contain the reviewed standards are tabled below.

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 Electricity Supply Industry Training Organisation qualifications are affected by the outcome of this review and will be reviewed in 2008. The standards that generated the *Affected* status are in **bold**.

Qualification title	Standard in the qualification
National Certificate in Electricity Supply (Line Mechanic Transmission) (Level 4) [Ref: 0872]	10516, 10520, 10527 , 18025, 20419 , 20420
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]	12297
National Certificate in Electricity Supply (Line Mechanic) (Level 3) with strands in Distribution, and Transmission [Ref: 1116]	12297

Review Categories and changes to classification, title, level and credits

All changes are in **bold**.

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

Subfield Electricity Supply
Domain Electricity Supply – Core Skills

Id	Title	Level	Credit	Review Category
12297	Rig electrical network structures	4	6	C
24746	Rig electrical network structures	4	6	

Domain Electricity Supply – Power System Maintenance

Id	Title	Level	Credit	Review Category
24669	Carry out routine inspection and service of high voltage static var compensation (SVC) equipment	4	5	New

Domain Electricity Supply – Testing

Id	Title	Level	Credit	Review Category
14284	Carry out soil resistivity tests for high voltage earth system	3	5	B

Domain Electricity Supply – Transmission Networks

Id	Title	Level	Credit	Review Category
10516 24747	Overhaul transmission pole and tower hardware Install and replace insulators and fittings	4 4	8 5	C
10520 24748	Erect electricity transmission towers Erect electricity transmission towers	4 4	10 10	C
10527 24749	Restore electricity network lines using emergency structures Restore electricity network lines using emergency structures	4 4	10 10	C
18025	Reconduct and install electricity network overhead conductors over 50kV String, install, and attach transmission conductors	4	10	B
20419	Use a conductor trolley on de-energised electricity supply conductors Use a conductor trolley on de-energised transmission line conductors	4	6 3	B
20420	Replace non load bearing tower steel Replace transmission tower steel	4	6	B