

FIELD ENGINEERING AND TECHNOLOGY**Review of *Electrical Engineering* unit standard 15843**

Subfield	Domain	Id
Electrical Engineering	Core Electrical	15843

The ElectroTechnology Industry Training Organisation has completed the review of the unit standard listed above.

Date new versions published

August 2008

Planned review date

December 2010

Summary of review and consultation process

The ElectroTechnology Industry Training Organisation in conjunction with the Electrical Engineering industry reviewed unit standard 15843 and replaced it with standards 25070-25072 to meet industry requirements in conjunction with the following considerations.

The consultation groups were asked to consider the following:

- the currency of the standard and its suitability for existing and future qualifications
- the appropriateness of the standard to its domain
- the accuracy and appropriateness of its content
- whether level and credits were commensurate with performance outcomes and training needs
- any gaps in skills and/or knowledge that could be captured by the development of new standards
- the assessability of the standard.

Main changes resulting from the review

Standards 25070-25072 replaced standard 15843 to improve assessability.

Unit standard categorised as category C expire at the end of December 2014.

Impact on existing provider accreditations

Current Accreditation for			Accreditation extended to		
Nature of accreditation	Classification or Id	Level	Nature of accreditation	Classification or Id	Level
Standard	15843	2	Standards	25070, 25071, 25072	2

Impact on Accreditation and Moderation Action Plan (AMAP)

AMAP 0003 has been updated to reflect the change made to the standard.

Impact on existing qualifications

Qualifications that contain the reviewed standard 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 ElectroTechnology Industry Training Organisation qualifications are affected by the outcome of this review and will be reviewed in 2010.

Qualification title	Standard in the qualification
National Certificate in Electrical Engineering (Level 2) [Ref: 0174]	15843
National Certificate in Electrical Engineering (Level 3) [Ref: 0223]	15843
National Certificate in Electrical Engineering (Electrical Appliance and Electronic Servicing) (Level 3) [Ref: 1265]	15843
National Certificate in Electrical Engineering (Electrician for Registration) (Level 4) [Ref: 1159]	15843
National Certificate in Telecommunications (Level 2) [Ref: 0338]	15843

The following qualifications are also affected by the outcome of this review. The standard setting bodies (SSBs) have been advised that they require revision.

Qualification Title	Standard in the qualification	SSB Name
National Certificate in Aeronautical Engineering (Related Technology) [Ref: 0381]	15843	Aviation, Tourism and Travel Training Organisation
National Certificate in Fire Detection and Alarm Systems (Level 4) [Ref: 0569]	15843	Competenz
National Certificate in Fire Detection and Alarm Systems (Testing) (Level 3) [Ref: 0862]	15843	
National Certificate in Fire Protection Systems Technology (Inspection and Testing) (Level 4) [Ref: 0864]	15843	
National Certificate in Fixed Fire Protection Systems (Level 5) [Ref: 0865]	15843	
National Certificate in Refrigeration and Air Conditioning (Level 4) [Ref: 0130]	15843	
National Diploma in Fire Protection Systems Technology (Certification of Fire Safety Systems) (Level 5) [Ref: 0867]	15843	Electricity Supply Industry Training Organisation
National Certificate in Electricity Supply (Level 2) with optional strands in Electrical, Electrical Fitter, and Line Mechanic [Ref: 1293]	15843	
National Certificate in Electricity Supply (Electrical Services Technician) (Level 3) [Ref: 1098]	15843	
National Certificate in Electricity Supply (Operator) (Level 3) [Ref: 1375]	15843	

Qualification Title	Standard in the qualification	SSB Name
National Certificate in Cablemaking (Level 2) with strands in Wiredrawing, Conductor Assembly, Extrusion, Cable Assembly, and Cable Testing [Ref: 0566]	15843	Plastics and Materials Processing Industry Training Organisation
National Certificate in Cablemaking (Level 3) with strands in Wiredrawing, Conductor Assembly, Extrusion, Cable Assembly, and Cable Testing [Ref: 0738]	15843	

Summary of main changes

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

Engineering and Technology > Electrical Engineering > Core Electrical

Id	Title	Level	Credit	Review Category
15843	Demonstrate knowledge of magnetism and electricity	2	15	C
25070	Explain the properties of conductors, insulators, and semiconductors and their effect on electrical circuits	2	7	
25071	Demonstrate knowledge of electromotive force (e.m.f.) production	2	3	
25072	Demonstrate knowledge of electromagnetism theory	2	5	