

FIELD ENGINEERING AND TECHNOLOGY**Review, Revision and Rollover of *Electrical Engineering and Telecommunications* unit standards**

Subfield	Domain	Id
Electrical Engineering	Core Electrical	16964, 16965
	Electrotechnology	16972
Telecommunications	Telecommunications - Management and Operational Support	4967, 4970, 4981
	Telecommunications - Organisational Operation and Control	4897-4899, 4993, 4994
	Telecommunications Service Delivery	4906, 4944, 18705-18714, 24520, 24521

The ElectroTechnology Industry Training Organisation (ETITO) has completed the review, revision and rollover of the unit standards listed above. The reviewed unit standards are listed in **bold**.

Date new versions published

February 2008

Planned review date

December 2012

Reason for the revision

ETITO in conjunction with the Telecommunications Education & Skills Standards Organisation (TESSO) and the telecommunications industry reviewed and revised the unit standards listed above. The review and revision was conducted in conjunction with the development of two new standards for inclusion in a new strand, Information and Communication Technology, for the National Certificate in Telecommunications (Level 4) with strands in Bearer and Switch, Building and Data Cabling, Customer Access Network, Customer Premises Equipment, and Radio [Ref: 1002].

The consultation groups were asked to consider the following:

- the currency of the unit standards and their suitability for existing and future qualifications
- the appropriateness of unit standards to their domain
- the accuracy and appropriateness of their content
- whether levels 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 unit standards
- the assessability of the unit standards.

The unit standards in the Telecommunications subfield still meet industry requirements. References were updated, typographical errors were corrected, and some formatting changes, including the purpose statements, were made for clarity and consistency.

Three unit standards in the Electrical Engineering subfield that are no longer used were

designated expiring (review category D).

Main changes resulting from the review

- Minor edits were made to unit standards in the Telecommunication subfield for clarity and consistency, references were updated, and typographical errors were corrected.
- Two new unit standards were developed and registered in the Telecommunications - Service Delivery domain.
- Unit standards 16964, 16965, and 16972 were designated expiring.

Unit standards categorised as category D expire at the end of December 2010.

Impact on existing provider accreditations

None.

Impact on Accreditation and Moderation Action Plan (AMAP)

AMAP 0003 has been updated to reflect the changes.

Impact on existing qualifications

Changes made as a result of the review and reclassification impact on existing qualifications.

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 ETITO qualification is affected by the outcome of this review and will be updated to take account of the changes when it is next reviewed. The individual unit standards that generated the *Affected* status are in **bold**.

Qualification Title	Classification or standard in the qualification
National Certificate in Telecommunications (Level 4) with strands in Bearer and Switch, Building and Data Cabling, Customer Access Network, Customer Premises Equipment, and Radio [Ref: 1002]	16964, 16965, 16972

The following qualification also affected by the outcome of this review. The standard setting body (SSBs) has been advised that it requires revision.

Qualification Title	Classification or Id	SSB Name
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 [Ref: 0917]	16964, 16965, 16972	Electricity Supply Industry Training Organisation

Review Categories

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Key to review category

- A** Dates changed, but no other changes are made - the replacement standard carries the same Id and a new version number
B Changes made, but the overall outcome remains the same - the replacement 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
16964	Describe and apply direct current concepts in electrical engineering	4	12	D
16965	Describe and apply alternating current concepts in electrical engineering	4	12	D

Engineering and Technology > Electrical Engineering > Electrotechnology

Id	Title	Level	Credit	Review Category
16972	Demonstrate electrotechnology measurement skills	4	6	D

Revision and rollover

Engineering and Technology > Telecommunications > Telecommunications - Management and Operational Support

Id	Title	Level	Credit
4967	Share information to solve problems and make decisions for telecommunications operations	4	4
4970	Maintain and enhance professional and technical knowledge in the telecommunications industry	4	4
4981	Assist telecommunications organisations to improve their overall efficiency and effectiveness	3	4

Engineering and Technology > Telecommunications > Telecommunications - Organisational Operation and Support

Id	Title	Level	Credit
4897	Plan and allocate work to individuals and teams in telecommunications operations	4	4
4898	Develop teams and individual team members to enhance performance in telecommunications operations	5	4
4899	Assess an individual's performance and competence and give feedback in telecommunications operations	5	6
4993	Plan, manage, and review small to medium sized telecommunications projects	5	6
4994	Plan and lead meetings to solve problems and make decisions for telecommunications operations	4	4

Engineering and Technology > Telecommunications > Telecommunications - Service Delivery

Id	Title	Level	Credit
4906	Evaluate and prepare existing sites for major installations of telecommunications equipment	5	6
4944	Identify customer requirements and initiate provision of telecommunications products and services	4	6
18705	Install and maintain telecommunications building and data cabling systems	4	25
18706	Demonstrate knowledge of telecommunications building and data cabling systems	4	12
18707	Evaluate and prepare existing sites for minor installations of telecommunications equipment	3	6
18708	Install and maintain telecommunications cable systems	4	25
18709	Install and maintain telecommunications bearer or switching systems	4	25
18710	Install and maintain telecommunications radio frequency systems	4	25
18711	Install and maintain telecommunications customer premises systems	4	25
18712	Demonstrate knowledge of telecommunications cable systems	4	20
18713	Demonstrate knowledge of telecommunications bearer and switching systems	4	20
18714	Demonstrate knowledge of telecommunications radio frequency systems	4	20
24520	Install and maintain information and communications technology (ICT) systems and services	4	25
24521	Demonstrate knowledge of information and communications technology (ICT) systems and services	4	20