

level of qualification:	2
credit total:	54
level 1 credits:	1
level 2 credits:	53
registration date:	20 June 2000
final date for comment:	30 June 2004
expiry date:	31 December 2005

fields, sub-fields and domains:**ENGINEERING AND TECHNOLOGY**

Electrical Engineering

core electrical

Electronics Technology

core electronics

Telecommunications

telecommunications - service delivery

HEALTH

Health Studies

core health

HUMANITIES

Communication Skills

interpersonal communications

SERVICE SECTOR

Service Sector Skills

service sector – core skills

standard-setting body responsible for the qualification:

ElectroTechnology Industry Training Organisation

other standard-setting bodies whose unit standards are included in the qualification:

Core Skills National Standards Body – Communication Skills Advisory Group
Core Skills National Standards Body – Service Sector (Core) Advisory Group
First Aid Advisory Body

1 purpose

This is an introductory qualification for people wishing to pursue a technical career in telecommunications. It may be gained as a pre-employment qualification, or in the first year of a traineeship leading towards qualifications in telecommunications installation and maintenance.

The qualification incorporates the following skills and knowledge:

- basic customer service and communication skills
- basic principles of magnetism and electricity
- use of basic test instruments
- soldering and electrostatic precautions
- fundamental concepts of telecommunications
- installation of residential cable systems
- installation of residential telephone and facsimile equipment
- first aid, cardio-pulmonary resuscitation and occupational safety and health basics.

Trainees may progress to a variety of qualifications in telecommunication installation, maintenance, and commissioning at levels 3 and beyond.

2 regulations for the qualification**2.1 entry information for programmes of education and training assessed against the unit standards in the qualification**

Open.

2.2 summary of qualification requirements

This qualification will be awarded to people credited with all the compulsory unit standards.

2.3 detailed qualification requirements

Compulsory

All the unit standards listed below are required.

FIELD: ENGINEERING AND TECHNOLOGY

Sub-field: Electrical Engineering

domain: core electrical

Unit No.	Unit Standard Title	Level	Credit
750	Demonstrate knowledge of electrical test instruments and take measurements	2	2
15843	Demonstrate knowledge of magnetism and electricity	2	15
15845	Draw and explain simple electrical diagrams	2	3
15846	Demonstrate knowledge of capacitors, semiconductor diodes, and rectification	2	3
15848	Demonstrate knowledge of safeguards for use with portable electrical appliances	2	2
15849	Perform manual soldering and de-soldering procedures for electrical work	2	2

Sub-field: Electronics Technology

domain: core electronics

Unit No.	Unit Standard Title	Level	Credit
5934	Prevent electrostatic damage to electronic components	2	1

Sub-field: Telecommunications

domain: telecommunications - service delivery

Unit No.	Unit Standard Title	Level	Credit
7064	Install basic cable system for residential telephone services	2	4
7065	Install residential telephone and facsimile equipment	2	4
17396	Demonstrate knowledge of safe working practices in telecommunications	2	4
17397	Demonstrate knowledge of basic concepts of telecommunications	2	7

FIELD: HEALTH
 Sub-field: Health Studies
 domain: core health

Unit No.	Unit Standard Title	Level	Credit
6401	Provide first aid	2	1
6402	Provide resuscitation level 2	1	1

FIELD: HUMANITIES
 Sub-field: Communication Skills
 domain: interpersonal communications

Unit No.	Unit Standard Title	Level	Credit
1277	Communicate information in a specified workplace	2	3

FIELD: SERVICE SECTOR
 Sub-field: Service Sector Skills
 domain: service sector – core skills

Unit No.	Unit Standard Title	Level	Credit
57	Provide customer service in given situations	2	2

3 accreditation option

Evaluation of documentation by NZQA.

4 certification

The certificate will display the logos of the ElectroTechnology Industry Training Organisation and NZQA.

5 transition arrangements

5.1 non National Qualifications Framework transition

None.

5.2 National Qualifications Framework transition

Version 3

This qualification was reviewed and issued as version 3 in June 2000, following reviews of electrical and telecommunications unit standards. Changes to the qualification included rationalisation of the content, removal of duplication of outcomes and inclusion of occupational safety and health unit standards appropriate for the telecommunications industry.

Changes to structure and content

- unit standards 743, 751, 1183, 5936, 1178 and 7066 replaced with unit standards 15845, 15846, 15848, 15849, 17396 and 17397 respectively;
- unit standards 745, 5937, 6625, and 6626 replaced with unit standard 15843;
- unit standard 1177 replaced with unit standards 6401 and 6402;
- unit standards 1175 and 2781 removed from the qualification;
- all unit standards are now compulsory;
- unit standards 7064 and 7065 are now both required, previously one or the other was required for Elective 1;
- unit standard 1277 has been added, previously it was one of the unit standards recommended for meeting the requirements of Elective 2;
- minimum credit total increased from 53 to 54 as a result of the above changes.

Trainees currently enrolled in programmes leading to the award of version 1 or 2 of this qualification may either complete the requirements for those versions **or** transfer to version 3.

For trainees who select the second option the following credit exemptions will apply.

Existing credit for unit standard(s)	Exempt from the requirements for
741+742+744+746+747+756 or 745+5937+6625+6626	15843
743	15845
751	15846
1177	6401 and 6402

Existing credit for unit standard(s)	Exempt from the requirements for
1178 or 15851	17396
1183	15848
5923 or 5936	15849
7066	17397
7064 plus a minimum of 10 credits from the following subfields: <i>Communication Skills, Computing, Core Generic, Electrical Engineering, Electronics Technology, Service Sector Skills, Telecommunications</i>	7065
7065 plus a minimum of 10 credits from the following subfields: <i>Communication Skills, Computing, Core Generic, Electrical Engineering, Electronics Technology, Service Sector Skills, Telecommunications</i>	7064

Final date for award of earlier versions of this qualification is 31 December 2004.

It is not intended that anyone is disadvantaged by this review, and the above arrangements have been designed for a smooth transition. However, anyone who feels they have been disadvantaged may appeal to:

Training Administration Officer
 ElectroTechnology Industry Training Organisation
 P O Box 24469
 Royal Oak
 Auckland 1030
 Telephone 09 524 6524

Comments to:

ElectroTechnology Industry Training Organisation
Qualification Revision
PO Box 160
WELLINGTON

by 30 June 2004.

Please Note:

Providers must be accredited by the Qualifications Authority before they can offer programmes of education and training assessed against unit standards.

Accredited providers assessing against unit standards must engage with the moderation system that applies to those unit standards.

Prerequisite Diagram

