

**Field      Engineering and Technology****Review of *Telecommunications* unit standards**

<b>Subfield</b>	<b>Domain</b>	<b>ID</b>
Telecommunications	Telecommunications – Service Delivery	7064, 7065, 17396, 17397, 17485-17494, 20851, 20852, 25266, 25267
	Telecommunications – Management and Operational Support	4968

The Skills Organisation has completed the review of the unit standards listed above.

**Date new versions published**

**July 2013**

**Planned review date**

**December 2017**

**Summary**

As part of the development of the New Zealand Certificate in Telecommunications Level 3 after the Targeted Review of Qualifications within the Telecommunications industry the above unit standards were reviewed. The consultation included a broad range of industry participants, New Zealand Defence Force, training providers, Ngā Pū Waea, the Telecommunication Users Association of New Zealand, and the Electrical Workers Registration Board. The new unit standards have been aligned to the new qualifications, while the existing unit standards were designated expiring. Some of the new unit standards were placed in the domain Electrotechnology to enable broader usage, and extensions were made to consents to assess to mitigate the impact of the change. There are further Telecommunications unit standards under development.

**Main changes**

- Unit standards 7064, 7065, 17485-17489, 17491-17494, 20851, 20852, 25266, and 25267 were designated expiring.
- Unit standard 4968 was replaced by unit standard 27910 which was classified in the *Electrotechnology* domain.
- Unit standards 17396 and 17490 were replaced by unit standard 27911 which was classified in the *Electrotechnology* domain.
- Unit standard 17397 was replaced by unit standard 27913.

**Category C and D unit standards will expire at the end of December 2014**

### Impact on existing organisations with consent to assess

Current consent for			Consent extended to		
Nature of consent	Classification or ID	Level	Nature of consent	ID	Level
Subfield	Telecommunications	3	Standard	27910	3
		2	Standard	27911	2
Domain	Core Electrical	3	Standard	27912	2
Domain	Telecommunications – Management and Operational Support	3	Standard	27910	3
Domain	Telecommunications – Service Delivery	2	Standard	27911	2
Standard	4968	3	Standard	27910	3
Standard	17397	2	Standard	27913	3

### Impact on registered qualifications

Key to type of impact	
<b>Affected</b>	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
<b>Not materially affected</b>	The qualification lists a standard that has a new title The qualification lists a standard that has a new classification

The following Skills Organisation qualifications are impacted by the outcome of this review. The classifications and/or standards that generated the status *Affected* are listed in **bold**.

Ref	Qualification Title	Classification or ID
0338	National Certificate in Telecommunications (Level 2)	<b>7064, 7065, 17396, 17397</b>
0767	National Certificate in Telecommunications (Level 3) with strands in Bearer and Switch, Building and Data Cabling, Customer Access Network, Customer Premises Equipment, Information and Communications Technology, Radio, and Rigging	<b>4968, 17397, 17485, 17486, 17487, 17488, 17489, 17490, 17491, 17492, 17493, 17494, 20851, 20852, 25266, 25267</b>
1002	National Certificate in Telecommunications (Level 4) with strands in Bearer and Switch; Building and Data Cabling; Customer Access Network; Customer Premises Equipment; Information and Communications Technology; and Radio	<b>17490</b>

## Detailed list of unit standards – classification, title, level, and credits

All changes are in **bold**.

<b>Key to review category</b>	
<b>A</b>	Dates changed, but no other changes are made - the new version of the standard carries the same ID and a new version number
<b>B</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
<b>C</b>	Major changes that necessitate the registration of a replacement standard with a new ID
<b>D</b>	Standard will expire and not be replaced

### Engineering and Technology > Electrical Engineering > Electrotechnology

ID	Title	Level	Credit	Review Category
<b>27912</b>	<b>Demonstrate knowledge of electrical principles in an electrotechnology or telecommunications environment</b>	<b>2</b>	<b>15</b>	<b>New</b>

### Engineering and Technology > Telecommunications

#### Engineering and Technology > Electrical Engineering

ID	Domain	Title	Level	Credit	Review Category
4968	Telecommunications - Management and Operational Support	Establish and maintain effective working relationships for telecommunications operations	3	4	C
<b>27910</b>	<b>Electrotechnology</b>	<b>Demonstrate and apply knowledge of stakeholder engagement in an electrotechnology or telecommunications environment</b>	<b>3</b>	<b>5</b>	
17396	Telecommunications – Service Delivery	Demonstrate knowledge of safe working practices in telecommunications	2	4	C
17490	Telecommunications – Service Delivery	Identify and control hazards in telecommunications work	3	6	C
<b>27911</b>	<b>Electrotechnology</b>	<b>Demonstrate knowledge of workplace safety in an electrotechnology or telecommunications environment</b>	<b>2</b>	<b>10</b>	

### Engineering and Technology > Telecommunications > Telecommunications - Service Delivery

ID	Title	Level	Credit	Review Category
7064	Install basic cable systems for residential telephone services	2	4	D

ID	Title	Level	Credit	Review Category
7065	Install residential telephone and facsimile equipment	2	4	D
17397	Demonstrate knowledge of basic concepts of telecommunications	2	7	C
<b>27913</b>	<b>Demonstrate basic knowledge of telecommunications concepts</b>	<b>3</b>	<b>10</b>	
17485	Install and maintain basic telecommunications outside plant and equipment	3	25	D
17486	Install and maintain basic telecommunications building and data cabling	3	25	D
17487	Install and maintain basic telecommunications bearer or switch plant and equipment	3	25	D
17488	Install and maintain basic telecommunications radio frequency plant and equipment	3	25	D
17489	Install and maintain basic telecommunications customer premises equipment	3	25	D
17491	Demonstrate basic knowledge of telecommunications outside plant and equipment	3	20	D
17492	Demonstrate basic knowledge of telecommunications building and data cabling	3	15	D
17493	Demonstrate basic knowledge of telecommunications switching and transmission	3	20	D
17494	Demonstrate basic knowledge of telecommunications radio frequency services	3	23	D
20851	Demonstrate basic knowledge of information and communications technology (ICT) systems and services	3	30	D
20852	Install and maintain basic information and communications technology (ICT) systems and services	3	35	D
25266	Install basic telecommunications radio plant and equipment on telecommunications network structures	3	25	D
25267	Climb, work on, and perform rescues from telecommunications network structures	3	8	D
<b>27914</b>	<b>Demonstrate knowledge of installation practices and procedures for telecommunications network equipment</b>	<b>3</b>	<b>10</b>	<b>New</b>
<b>27915</b>	<b>Demonstrate basic knowledge of diagnostics and fault finding of telecommunications installations</b>	<b>3</b>	<b>5</b>	<b>New</b>
<b>27916</b>	<b>Install and maintain basic telecommunications systems and services</b>	<b>3</b>	<b>10</b>	<b>New</b>