

Field Engineering and Technology**Registration of Electrical Engineering and Telecommunications unit standards**

The Skills Organisation has completed the development of the unit standards for the above classifications.

Date new versions published

16 July 2015

Planned review date

31 December 2020

Summary

As part of the development of the New Zealand Certificate in Telecommunications Level 4 [Ref: 2200], following the Targeted Review of Qualifications within the Telecommunications industry, new unit standards were developed. The consultation included a broad range of participants from industry and training providers. The new unit standards have been aligned to the new qualification. As there is no direct co-relation to the existing unit standards, the existing unit standards will be set to expire under a separate report.

Two 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 this.

Main changes

Twenty six new unit standards were developed.

Impact on existing organisations with consent to assess

Current consent for			Consent extended to		
Nature of consent	Classification or ID	Level	Nature of consent	Classification or ID	Level
Subfield	Telecommunications	4	Standard	28882	4
				28881	4

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

All changes are in **bold**.

Electrical Engineering > Electrotechnology

ID	Title	Level	Credit
28881	Enhance workplace safety and mitigate environmental impacts in an electrotechnology or telecommunications environment	4	10
28882	Apply stakeholder engagement principles and techniques in an electrotechnology or telecommunications environment	4	7

Telecommunications > Telecommunications - Service Delivery

ID	Title	Level	Credit
28860	Prepare for the installation of complex and non-standard telecommunications access network systems and services	4	10
28861	Install and commission complex and non-standard telecommunications access network systems	4	20
28862	Maintain, locate faults in, and verify performance of complex and non-standard telecommunications access network systems	4	15
28863	Demonstrate knowledge of complex or non-standard telecommunications access network technologies and architectures	4	10
28864	Demonstrate knowledge of management and support services for complex or non-standard telecommunications access networks	4	10
28865	Demonstrate knowledge of diagnostics and fault finding of complex or non-standard telecommunications access networks	4	5
28866	Prepare for the installation of complex and non-standard telecommunications core network systems and services	4	10
28867	Install and commission complex and non-standard telecommunications core network services	4	20
28868	Maintain, locate faults in, and verify performance of complex and non-standard telecommunications core network systems	4	15
28869	Demonstrate knowledge of complex or non-standard telecommunications core networks technologies and architectures	4	10
28870	Demonstrate knowledge of complex or non-standard telecommunications core network management and support services	4	10
28871	Demonstrate advanced knowledge of common power and engineering services for complex or non-standard core networks	4	12
28872	Demonstrate knowledge of diagnostics and fault finding of complex or non-standard telecommunications core networks	4	5
28873	Prepare for the installation of complex and non-standard telecommunications radio or cellular systems and services	4	10
28874	Install and commission complex and non-standard telecommunications radio or cellular systems and services	4	20
28875	Maintain, locate faults in, and verify performance of complex and non-standard telecommunications radio or cellular systems	4	15
28876	Demonstrate knowledge of complex or non-standard telecommunications radio network technologies and architectures	4	10
28877	Demonstrate knowledge of complex or non-standard	4	12

ID	Title	Level	Credit
	telecommunications radio network management and support services		
28878	Demonstrate knowledge of safety considerations when installing complex or non-standard radio frequency equipment	4	10
28879	Demonstrate knowledge of diagnostics and fault finding of complex or non-standard telecommunications radio networks	4	5
28880	Demonstrate knowledge of telecommunications business systems	4	10
28883	Enhance own professional and technical knowledge and identify emerging or converging telecommunications technologies	4	6
28884	Demonstrate knowledge of regulations, standards, and protocols relevant to the telecommunications industry	4	7
28897	Demonstrate advanced knowledge of common power and engineering services for complex or non-standard access networks	4	12