

Field Engineering and Technology**Review of *Electrical Engineering and Electronic Engineering* unit standards**

Subfield	Domain	ID
Electrical Engineering	Core Electrical	10933-10940
	Electrical Appliance Servicing	1173, 1189, 1192, 6705, 16411, 18082, 18084-18089, 22765
	Electrical Installation and Maintenance	10784, 10785, 19008
	Electrical Service Technicians	17798, 17799, 17801, 17804, 17805, 17807, 17809-17811, 18091
Electronic Engineering	Computer Engineering	11566, 22715

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

Date new versions published**January 2021****Summary**

These unit standards have been designated expiring due to non-usage for the last three to five years. The associated National Certificates listing these unit standards will be discontinued as scheduled.

Main changes

- The unit standards were set to expire without replacement.

These Category D unit standards will expire at the end of December 2022**Detailed list of unit standards – classification, title, level, and credits**

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
10933	Demonstrate knowledge of electrical theory for Electrical Service Technicians – A	3	4	D
10934	Demonstrate knowledge of safety, protection, and testing for Electrical Service Technicians – A	3	2	D
10935	Demonstrate knowledge of regulations and codes of practice for Electrical Service Technicians – A	3	2	D
10936	Demonstrate practical skills required for Electrical Service Technicians – A	3	3	D
10937	Demonstrate knowledge of electrical theory for Electrical Service Technician – B	3	3	D
10938	Demonstrate knowledge of appliance isolation, connection, and testing procedures for EST – B	3	2	D

ID	Title	Level	Credit	Review Category
10939	Demonstrate knowledge of regulations and codes of practice for Electrical Service Technicians – B	3	2	D
10940	Demonstrate practical skills required for Electrical Service Technicians – B	3	3	D

Engineering and Technology > Electrical Engineering > Electrical Appliance Servicing

ID	Title	Level	Credit	Review Category
1173	Install and commission electrical appliances	4	5	D
1189	Service microwave ovens	4	3	D
1192	Fault-find, repair, and test portable electrical tools and appliances	3	2	D
6705	Test electrical appliances for safety	3	3	D
16411	Fault-find, repair, and re-commission fixed-wired electrical appliances	3	4	D
18082	Replace faulty motors in electrical appliances	4	4	D
18084	Demonstrate knowledge of refrigeration principles applicable to domestic appliances	4	6	D
18085	Demonstrate knowledge of the operating principles and installation requirements of domestic electrical appliances	4	7	D
18086	Draw and interpret diagrams of electrical appliances	3	4	D
18087	Exhibit customer service skills in electrical appliance servicing	3	3	D
18088	Demonstrate systematic fault finding techniques in electrical appliance servicing	3	3	D
18089	Demonstrate knowledge of domestic gas appliances for electrical appliance servicing	4	4	D
22765	Demonstrate knowledge of microwave ovens for electrical appliance servicing	4	4	D

Engineering and Technology > Electrical Engineering > Electrical Installation and Maintenance

ID	Title	Level	Credit	Review Category
10784	Overhaul electric space heating systems up to 10 kilowatts rating	4	3	D
10785	Overhaul electrical systems in air-conditioning and air handling equipment	4	3	D
19008	Prepare quotations for electrical work	5	5	D

Engineering and Technology > Electrical Engineering > Electrical Service Technicians

ID	Title	Level	Credit	Review Category
17798	Demonstrate knowledge of legislation and standards for electrical appliance servicepersons (EAS) and EAS (endorsed)	3	2	D
17799	Demonstrate knowledge of testing for electrical safety for electrical appliance servicing - single-phase	2	2	D
17801	Demonstrate knowledge of single-phase motors for electrical appliance servicing	4	3	D
17804	Test single-phase electrical appliances	3	2	D
17805	Disconnect and reconnect fixed wired single-phase electrical appliances	3	3	D

ID	Title	Level	Credit	Review Category
17807	Demonstrate knowledge of legislation and standards for electrical service technicians – three-phase	4	4	D
17809	Demonstrate knowledge of single-phase and three-phase motors for electrical service technicians	4	5	D
17810	Connect single-phase and three-phase electrical appliances and fittings	3	3	D
17811	Test single-phase and three-phase electrical appliances	3	3	D
18091	Demonstrate knowledge of three-phase theory for electrical service technicians	4	3	D

Engineering and Technology > Electronic Engineering > Computer Engineering

ID	Title	Level	Credit	Review Category
11566	Demonstrate and apply intermediate knowledge of personal computer engineering	5	15	D
22715	Use personal computer software to demonstrate computer programming concepts for electrotechnology	3	5	D