

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

Subfield	Domain	ID
Electrical Engineering	Core Electrical	19000, 22725
	Electrical Appliance Servicing	22766, 22767
	Electrical Equipment	23752-23754, 25337, 25338
	Electrical Installation and Maintenance	19010-19013, 25632, 25635-25637, 25639, 25641
	Electrotechnology	11569, 11576, 11582, 16971, 17495, 22737-22742, 24520, 24521, 25268, 25633
Electronic Engineering	Computer Engineering	11583, 16976, 16981, 16982, 16989, 22716-22719
Telecommunications	Communications Technology	11567, 11568, 11585, 11586, 22720

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 2021

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
19000	Demonstrate advanced knowledge of electrical power transformers	5	7	D
22725	Demonstrate and apply advanced knowledge of power system engineering	6	15	D

Engineering and Technology > Electrical Engineering > Electrical Appliance Servicing

ID	Title	Level	Credit	Review Category
22766	Demonstrate knowledge of the operating principles of portable electrical appliances and power tools	4	7	D
22767	Demonstrate knowledge of operating principles and installation requirements of commercial electrical appliances	4	7	D

Engineering and Technology > Electrical Engineering > Electrical Equipment

ID	Title	Level	Credit	Review Category
23752	Demonstrate knowledge of electrical cables, accessories and lamps in the electrotechnology industry	3	4	D
23753	Demonstrate and apply knowledge of electrical equipment storage in the electrotechnology industry	2	6	D
23754	Gather, package, and despatch electrical equipment and process returns in the electrotechnology industry	2	6	D
25337	Demonstrate knowledge of requirements for preparation of quotations for electrical equipment	3	5	D
25338	Demonstrate and apply knowledge of legislation relevant for electrical equipment industry	3	5	D

Engineering and Technology > Electrical Engineering > Electrical Installation and Maintenance

ID	Title	Level	Credit	Review Category
19010	Manage scheduled electrical maintenance projects	5	15	D
19011	Manage electrical installation projects	6	15	D
19012	Develop commissioning programmes for electrical projects	5	10	D
19013	Manage commissioning of electrical installations	6	15	D
25632	Demonstrate and apply advanced knowledge of the selection, use, and care of complex electrical measuring equipment	5	5	D
25635	Develop, implement, and review maintenance plans for electrical engineering systems	5	15	D
25636	Manage testing and measuring procedures within electrical engineering contexts	5	5	D
25637	Develop a plan for and manage an electrical engineering project	5	20	D
25639	Develop resource procurement options for a significant electrical project and make recommendations	5	5	D
25641	Demonstrate knowledge of electrical heating systems	5	4	D

Engineering and Technology > Electrical Engineering > Electrotechnology

ID	Title	Level	Credit	Review Category
11569	Demonstrate intermediate knowledge of illumination engineering	5	15	D
11576	Demonstrate and apply knowledge of building electrical services engineering	6	15	D
11582	Demonstrate advanced knowledge of illumination engineering	6	15	D
16971	Plan, develop, and document a practical electrotechnology product	6	15	D

ID	Title	Level	Credit	Review Category
17495	Demonstrate advanced electrotechnology measurement and faultfinding skills	6	12	D
22737	Demonstrate introductory knowledge of emerging or new electrotechnology products or systems	4	15	D
22738	Demonstrate and apply intermediate knowledge of electrotechnology engineering mathematics	5	15	D
22739	Demonstrate intermediate knowledge of emerging or new electrotechnology products or systems	5	15	D
22740	Demonstrate knowledge of project management in an electrotechnology engineering environment	6	15	D
22741	Demonstrate advanced knowledge of emerging or new electrotechnology products or systems	6	15	D
22742	Conduct negotiated research in the field of electrotechnology engineering	6	15	D
24520	Install and maintain information and communications technology (ICT) systems and services	4	25	D
24521	Demonstrate knowledge of information and communications technology (ICT) systems and services	4	20	D
25268	Guard against the dangers of electromagnetic radiation	4	3	D
25633	Demonstrate and apply knowledge of energy audits and emerging developments in energy efficiency	5	10	D

Engineering and Technology > Electronic Engineering > Computer Engineering

ID	Title	Level	Credit	Review Category
11583	Demonstrate and apply advanced knowledge of local computer network engineering principles	6	15	D
16976	Demonstrate and apply advanced knowledge of personal computer engineering	6	15	D
16981	Demonstrate and apply advanced knowledge of programming techniques for electrotechnology	6	15	D
16982	Demonstrate rapid application development software techniques in an engineering context	6	15	D
16989	Describe and apply advanced knowledge of computer network engineering techniques to set up a WAN	6	15	D
22716	Demonstrate and apply introductory knowledge of open computer operating systems	4	15	D
22717	Demonstrate and apply intermediate knowledge of computer network engineering principles	5	15	D
22718	Demonstrate and apply intermediate knowledge of programming techniques for electrotechnology	5	15	D
22719	Demonstrate knowledge of and install wireless local area computer networks	6	15	D

Engineering and Technology > Telecommunications > Communications Technology

ID	Title	Level	Credit	Review Category
11567	Demonstrate knowledge of telecommunications network structures and transmission engineering	5	15	D
11568	Describe and apply telecommunications transmission engineering and testing techniques	6	15	D
11585	Demonstrate and apply knowledge of radio frequency engineering principles	6	15	D

ID	Title	Level	Credit	Review Category
11586	Demonstrate and apply knowledge of radio systems technology	6	15	D
22720	Demonstrate and apply knowledge of telecommunications network engineering principles	6	15	D