

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

<b>Subfield</b>	<b>Domain</b>	<b>ID</b>
Electrical Engineering	Electrical Appliance Servicing	22763
	Electrical Standards and Statutes	27350
	Electrotechnology	27910-27912

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

**Date new versions published**

**December 2017**

**Planned review date**

**December 2020**

**Summary**

The review of these unit standards was initiated through their planned review and the Targeted Review of Qualifications (TRoQ) for Engineering and Technology triggered in 2011.

The unit standards were reviewed to ensure that they are fit for purpose, relevant to the Electrical Engineering and the Electrotechnology Industries and are readily available for assessment. Industry representatives from the TRoQ Review and Qualification Development Groups were involved in the review and writing of these unit standards and provided feedback on the unit standards.

**Main changes**

- Changes were made to accurately reflect industry terminology practice and evidence requirements.
- Five unit standards were reviewed as Category B to bring them into line with industry requirements.
- 11 new unit standards were developed to meet ongoing industry requirements.
- A last date for assessment of superseded versions of reviewed standards was specified.

**The last date for assessment of superseded versions of Category B unit standards is December 2022**

**Impact on existing organisations with consent to assess**

<b>Current consent for</b>			<b>Consent extended to</b>		
<b>Nature of consent</b>	<b>Classification or ID</b>	<b>Level</b>	<b>Nature of consent</b>	<b>Classification or ID</b>	<b>Level</b>
Subfield	Electrical Engineering	2	Standards	27911, 27912	3
Domain	Electrotechnology	2	Standards	27911, 27912	3

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

All changes are in **bold**.

Key to review category	
<b>A</b>	Dates changed, but no other changes are made - the new version of the standard carries the same ID and the same 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

### Electrical Engineering > Electrical Appliance Servicing

ID	Title	Level	Credit	Review Category
22763	Service electrical or electronic goods to gain electrical registration for electrical technicians and service persons	4	10 15	B
<b>30645</b>	<b>Demonstrate practical application of theory and legislation for electrical appliance servicepersons (endorsed)</b>	<b>3</b>	<b>3</b>	<b>New</b>
<b>30646</b>	<b>Demonstrate knowledge of electrical theory and legislation for electrical appliance servicepersons EAS (endorsed)</b>	<b>3</b>	<b>7</b>	<b>New</b>

### Electrical Engineering > Electrical Standards and Statutes

ID	Title	Level	Credit	Review Category
27350	Demonstrate knowledge of theory and legislation for registration of electrical appliance servicepersons (endorsed)	3	3	B

### Electrical Engineering > Electrotechnology

ID	Title	Level	Credit	Review Category
27910	Demonstrate and apply knowledge of stakeholder engagement in an electrotechnology or telecommunications environment	3	5	B
27911	Demonstrate knowledge of workplace safety in an electrotechnology or telecommunications environment	2 3	10	B
27912	Demonstrate knowledge of electrical principles in an electrotechnology or telecommunications environment	2 3	15	B
<b>30641</b>	<b>Demonstrate knowledge of electromechanical engineering principles for technicians</b>	<b>3</b>	<b>10</b>	<b>New</b>
<b>30643</b>	<b>Demonstrate knowledge of the installation of electrotechnology systems on customer premises</b>	<b>3</b>	<b>10</b>	<b>New</b>
<b>30644</b>	<b>Demonstrate basic knowledge of diagnostics and fault finding for service and installation technicians</b>	<b>3</b>	<b>5</b>	<b>New</b>

<b>ID</b>	<b>Title</b>	<b>Level</b>	<b>Credit</b>	<b>Review Category</b>
<b>30647</b>	<b>Apply safe working procedures and practices in an electrotechnology environment and identify and control special hazards</b>	<b>3</b>	<b>5</b>	<b>New</b>
<b>30648</b>	<b>Demonstrate knowledge of installation practices and procedures for customer premises systems</b>	<b>3</b>	<b>5</b>	<b>New</b>
<b>30649</b>	<b>Select, install, and commission basic extra-low voltage and low voltage customer premises systems</b>	<b>3</b>	<b>15</b>	<b>New</b>
<b>30650</b>	<b>Diagnose, service, and repair basic extra-low voltage and low voltage customer premises systems</b>	<b>3</b>	<b>10</b>	<b>New</b>
<b>30651</b>	<b>Explain regulatory requirements for installing and servicing extra-low and low voltage customer premises systems</b>	<b>3</b>	<b>5</b>	<b>New</b>

## Electronic Engineering &gt; Core Electronics

<b>ID</b>	<b>Title</b>	<b>Level</b>	<b>Credit</b>	<b>Review Category</b>
<b>30642</b>	<b>Demonstrate knowledge of specialist equipment used in electronic repairs</b>	<b>3</b>	<b>5</b>	<b>New</b>