

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

Subfield	Domain	ID
Electronic Engineering	Electronic Security	5882, 5886, 5896, 5897, 5906, 20592-20594, 26839, 26840, 27178

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

Date new versions published

January 2019

Planned review date

December 2023

Summary

The review of these unit standards was initiated through their planned review date and the listing of the New Zealand Certificate in Electronic Security (Level 4) with optional strands in Electrical Appliance Serviceperson (Endorsed), and Electrical Installer [Ref: 3818].

The unit standards were reviewed to ensure that they are fit for purpose, relevant to the Electrical Engineering and the Electronic Security industries and are readily available for assessment. Industry representatives from the Electronic Security industry and qualification development review groups were involved in the review and writing of these unit standards and provided feedback on the unit standards.

New unit standards were created to address the skill gaps in the existing set of unit standards, which will ensure that the new Electronic Security qualification is achievable through unit standards.

Four unit standards were replaced (review Category C). Credit values for the four replaced unit standards were updated to more accurately reflect the time required to achieve the outcomes and related evidence requirements.

Seven unit standards were not fit for purpose (review Category D), and were set to expire in December 2021. The expiry date is also the last date of assessment for the National Certificate in Electronic Security (Level 4) [Ref: 0788] and the National Certificate in Electronic Security (Systems Installation) (Level 3) [Ref: 1632], which contain these unit standards.

Main changes

- Four unit standards were designated expiring and replaced by four new unit standards.
- Unit standards 5882, 5886, 20592-20594, 26839, and 26840 were designated expiring without replacement; these are not fit for purpose and are not required by the industry.
- Seven new unit standards were developed to address the skills gap in the suite of unit standards.

Category C and D unit standards will expire at the end of December 2021**Impact on Consent and Moderation Requirements (CMR)**

On expiry of the unit standards in December 2021, Appendix 1 of CMR 0003 will be amended to exclude unit standard 20594 from the table of 'high risk' unit standards.

Detailed list of unit standards – classification, title, level, and creditsAll changes are in **bold**.

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 > Electronic Engineering > Electronic Security

ID	Title	Level	Credit	Review Category
5882	Demonstrate knowledge of electronic security installation requirements and procedures	3	6	D
5886	Demonstrate customer service and communication skills in the electronic security industry	3	4	D
5896 31599	Design electronic security access control systems Develop solutions for electronic security access control systems	4	25 10	C
5897 31596	Design electronic security intruder alarm systems Develop solutions for electronic security intruder alarm systems	4 4	12 10	C
5906 31600	Design electronic security CCTV systems Develop solutions for electronic security surveillance systems	4 4	25 10	C
20592	Demonstrate electrical knowledge for Electronic Security Installers	3	4	D
20593	Demonstrate practical electrical skills for Electronic Security Installers	3	4	D
20594	Connect security control panels to existing domestic subcircuits	3	10	D
26839	Demonstrate basic knowledge of electronic security data protocols and cabling	3	15	D
26840	Demonstrate fundamental knowledge of external communication concepts relevant to electronic security services	3	4	D
27178 31598	Demonstrate knowledge of integrated electronic security system design, commissioning, and fault finding Demonstrate knowledge of electronic security system design	4 4	25 10	C
31593	Develop own professional and technical knowledge and identify emerging or converging electronic security technologies	4	5	New
31594	Diagnose and repair faulty electronic security systems	4	20	New
31595	Demonstrate and apply knowledge of data networking to support electronic security systems and services	4	10	New
31597	Develop data networking solutions to support electronic security systems	4	10	New
31601	Develop solutions for electronic security intercom systems	4	10	New

ID	Title	Level	Credit	Review Category
31602	Demonstrate knowledge of electronic security fault location and diagnostics	4	5	New
31603	Read, interpret, and update drawings and plans used in electronic security system installations	4	3	New