

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

Subfield	Domain	ID
Electronic Engineering	Core Electronics	5934, 19745, 20430-20434 20716, 20720, 22726-22730 24885, 26723

Waihanga Ara Rau Construction and Infrastructure Workforce Development Council has completed the review of the unit standards listed above.

Date new versions published**May 2023****Summary**

The review resulted in a decision to designate these unit standards as expiring due to low or non-usage for the last five years.

The recommendation for expiry was well canvassed by email to organisations with Consent to Assess obtained through the NZQA website. There is good support for the expiry and no objections.

Main changes

- The unit standards listed above are designated to expire without replacement.

Category D unit standards will expire at the end of December 2024**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 > Electronic Engineering > Core Electronics

ID	Title	Level	Credit	Review Category
5934	Prevent electrostatic damage to electronic components	2	1	D
19745	Demonstrate and apply elementary knowledge of wireless transmission	2	5	D
20430	Demonstrate and apply fundamental knowledge of d.c. principles for electronics technicians	3	7	D
20431	Demonstrate and apply fundamental knowledge of a.c. principles for electronics technicians	3	7	D
20432	Demonstrate and apply fundamental knowledge of digital electronics for electronics technicians	3	7	D
20433	Demonstrate and apply fundamental knowledge of analogue electronics for electronics technicians	3	7	D
20434	Demonstrate knowledge of practical mathematics for electronics technicians	3	8	D

20716	Demonstrate and apply knowledge of transducers and their interfaces with digital circuits	4	10	D
20720	Demonstrate knowledge of radar principles for electronics technicians	4	15	D
22726	Demonstrate and apply introductory knowledge of electronic engineering	4	15	D
22727	Demonstrate and apply intermediate knowledge of programmable logic controller engineering applications	5	15	D
22728	Demonstrate and apply intermediate knowledge of microcontroller engineering concepts	5	15	D
22729	Demonstrate and apply advanced knowledge of programmable logic controller engineering applications	6	15	D
22730	Demonstrate and apply advanced knowledge of microcontroller engineering concepts	6	15	D
24885	Demonstrate and apply knowledge of A/D and D/A conversion	3	3	D
26723	Demonstrate knowledge of generic electronic products or systems for electronics technicians	4	10	D