

Field Engineering and Technology

Reinstatement of *Electrotechnology* unit standard 16974 and *Core Electronics* unit standard 22727

Subfield	Domain	ID
Electrical Engineering	Electrotechnology	16974
Electronic Engineering	Core Electronics	22727

Waihangara Ara Rau Construction and Infrastructure Workforce Development Council has completed the reinstatement and revision of the unit standards listed above.

Date new versions published

October 2025

Planned review date

December 2027

Summary

Unit standards 16974 and 22727 expired in December 2024 because of low usage. However, it was identified that the standards are needed in the programme leading to the New Zealand Certificate in Industrial Measurement and Control (Level 5) with strands in Process Control, and Process Automation [Ref: 2253].

After discussions with the provider and industry representatives in September 2025, Waihangara Ara Rau completed the reinstatement and revision of these unit standards to allow time for the review of the associated qualification and the development of replacement skill standards. Stakeholders supported the reinstatement and updates for currency. These unit standards are now fit for purpose.

Main changes

- Expired unit standards 16974 and 22727 were reinstated.
- Reference to legislation and relevant International Electrotechnical Commission standard were updated for currency.
- The review date was set at 31 December 2027 for both unit standards.

Impact on Consent and Moderation Requirements

The Consent and Moderation Requirements (CMR) references were moved from 0003 to 0120.

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

- All 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 > Electrical Engineering > Electrotechnology

ID	Title	Level	Credit	Review Category
16974	Demonstrate and apply knowledge of CAD tools as used in an electrotechnology engineering environment	4	5	Reinstated

Engineering and Technology > Electronic Engineering > Core Electronics

ID	Title	Level	Credit	Review Category
22727	Demonstrate and apply intermediate knowledge of programmable logic controller engineering applications	5	15	Reinstated