Field   Manufacturing

Review of *Dairy Processing* and *Primary Products Food Processing* unit standards

Subfield	Domain	ID
Dairy Processing	Dairy Processing - Core Skills	758, 760, 19526, 19529, 19968, 25676
Primary Products Food Processing	Primary Products Food Processing - Operational Skills	28649

The Primary ITO has completed the review of the unit standards listed above.

Date new versions published   December 2020

Planned review date   December 2025

Summary

As a result of the review of the Dairy Processing qualifications two dairy processing engineering qualifications were developed. New Level 3 and 4 unit standards were developed to meet the requirements of the qualifications graduate outcomes. Existing unit standards relevant to dairy industry automation, electrical and mechanical were reviewed and considered not fit for purpose based on the graduate outcomes within the dairy processing engineering qualifications. In consultation with industry the unit standards were designated expiring.

Consultation was carried out in August 2020 where consent to assess holders had the opportunity to give comment on the email sent asking for feedback on unit standards. This feedback was addressed where appropriate.

Main changes

- Standard 28649 credit value was increased to 8 credits to reflect learning hours recommended from industry feedback.
- Six *Dairy Processing - Core Skills* standards were designated expiring since they are no longer required by industry.
- 10 *Dairy Processing - Core skills* standards were developed to meet industry job role requirements.
- Re-registered standards were updated to reflect the current template.

Category D unit standards will expire at the end of December 2022

The last date for assessment of superseded versions of Category B unit standards is December 2023

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

Manufacturing > Dairy Processing > Dairy Processing - Core Skills

ID	Title	Level	Credit	Review Category
758	Explain mechanical fundamentals for equipment used in the dairy industry	4	6	D
760	Diagnose mechanical and electrical faults in the dairy industry	4	8	D
19526	Explain the application of engineering principles in the dairy industry	3	4	D
19529	Explain electrical fundamentals in the dairy industry	3	6	D
19968	Diagnose and rectify equipment faults in the dairy industry	4	6	D
25676	Explain automated process control and fault diagnosis in an automated dairy manufacturing process	4	8	D
32273	**Describe a systematic fault finding and rectifying fault process in a dairy processing operation**	**4**	**10**	**New**
32274	**Describe and implement a change management process in a dairy processing operation**	**4**	**30**	**New**
32275	**Coordinate targeted operating checks to assess the need to repair dairy operating components**	**4**	**10**	**New**
32276	**Describe and apply advanced diagnostics and identify deviations and optimum performance in a dairy processing operation**	**4**	**30**	**New**
32277	**Coordinate routine monitoring to maintain plant and process reliability in a dairy processing operation**	**4**	**10**	**New**
32278	**Coordinate investigations to identify operating faults, and determine remedies in a dairy processing operation**	**4**	**30**	**New**
32279	**Carry out a fault-finding process for an automated dairy processing operation**	**3**	**7**	**New**
32280	**Describe electrical-based equipment and apply knowledge of diagnostics in a dairy processing operation**	**3**	**10**	**New**
32281	**Demonstrate knowledge of and monitor instrumentation in a dairy processing operation**	**3**	**10**	**New**
32282	**Demonstrate and apply knowledge of mechanical equipment and diagnostics in a dairy processing operation**	**3**	**20**	**New**

Manufacturing > Primary Products Food Processing > Primary Products Food Processing - Operational Skills

ID	Title	Level	Credit	Review Category
28649	Demonstrate knowledge of automation in own work area in a primary products food processing operation	3	3 **8**	B