

Title	Operate a process control interface in a dairy processing operation		
Level	4	Credits	5

Purpose	People credited with this unit standard are able to: navigate the process control interface; use the process control interface to operate and maintain a process within required parameters; and analyse process control interface data to predict and control performance, in a dairy processing operation.
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Classification	Dairy Processing > Milk Processing
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Available grade	Achieved
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Guidance Information

- 1 Legislation and regulations relevant to this unit standard include but are not limited to:
 - Health and Safety at Work Act 2015;
 - Animal Products Act 1999;
 - Animal Products (Dairy) Regulations 2005; and any subsequent amendments.
- 2 All evidence presented in this unit standard must be in accordance with:
 - organisational requirements.
- 3 Definitions

Organisational requirements – instructions to staff on policies and procedures which are documented in memo, electronic and/or manual format and are available in the workplace. These include but are not limited to – site-specific and company standard operating procedures (SOPs), occupational health and safety, food safety and quality management requirements.

Process control interfaces – refer to computer based operating programmes, touch screens, programmable large circuits with laptop interface, inventory set fuse operating a data defence, computers.
- 4 This unit standard assumes an operator has a working knowledge of automation systems, diagnostics, and fault finding.
- 5 This unit standard must be assessed in a realistic workplace environment. The candidate must be under realistic time pressures and use relevant commercial equipment.

Outcomes and performance criteria

Outcome 1

Navigate the process control interface in a dairy processing operation.

Performance criteria

- 1.1 Confirm interface and related components as ready for operation.
- 1.2 Use hardware to operate the interface.
- 1.3 Acknowledge messages and alarms.
- 1.4 Access information from screen displays.
- 1.5 Report and record interface system malfunctions.

Outcome 2

Use the process control interface to operate and maintain a process within required parameters in a dairy processing operation.

Performance criteria

- 2.1 Start up, monitor and shutdown items of equipment and/or processes using the control interface.
- 2.2 Select equipment and alter status by fixing settings using the control interface to meet operating requirements.
- 2.3 Activate sequences to initiate process operation.
- 2.4 Recognise equipment indicating malfunction and take action to identify and correct faults.

Outcome 3

Analyse process control interface data to predict and control performance in a dairy processing operation.

Performance criteria

- 3.1 Select and analyse data to identify performance patterns.
- 3.2 Identify causes of abnormal or unacceptable performance and take corrective action.
- 3.3 Record information related to the analysis of process control interface data.

Planned review date	31 December 2025
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Status information and last date for assessment for superseded versions

Process	Version	Date	Last Date for Assessment
Registration	1	27 October 2005	31 December 2014
Rollover and Revision	2	17 July 2009	31 December 2016
Review	3	18 June 2015	31 December 2024
Review	4	27 May 2021	N/A
Revision	5	26 January 2023	N/A

Consent and Moderation Requirements (CMR) reference	0022
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This CMR can be accessed at <http://www.nzqa.govt.nz/framework/search/index.do>.

Comments on this unit standard

Please contact the Hanga-Aro-Rau Manufacturing, Engineering and Logistics Workforce Development Council qualifications@hangaarorau.nz if you wish to suggest changes to the content of this unit standard.