

Title	Describe and operate control rooms at an extraction site		
Level	4	Credits	15

Purpose	People credited with this unit standard are able to: describe the purpose and layout of control rooms; describe and demonstrate the operation of a control room; describe and demonstrate the safety systems and checks required for control rooms; and carry out shift-end requirements and complete documentation for control room operation, at an extraction site.
----------------	--

Classification	Extractive Industries > Extractive Industries Management
-----------------------	--

Available grade	Achieved
------------------------	----------

Guidance Information

- Performance of the outcomes of this unit standard must comply with the following:
Health and Safety at Work Act 2015 (HSW);
Health and Safety at Work (General Risk and Workplace Management) Regulations 2016;
Health and Safety at Work (Mining Operations and Quarrying Operations) Regulations 2016;
Health and Safety at Work (Worker Engagement, Participation, and Representation) Regulations 2016;
approved codes of practice issued pursuant to the HSW Act.
- Any new, amended or replacement Acts, regulations, standards, codes of practice, guidelines, or authority requirements or conditions affecting this unit standard will take precedence for assessment purposes, pending review of this unit standard.
- Definitions
Company procedures mean the documented methods for performing work activities and include health and safety, operational, environmental, and quality management requirements. They may refer to manuals, codes of practice, or policy statements.
Industry best practice refers to those practices which competent practitioners within the industry recognise as current industry best practice. These may be documented in management plans, company procedures, managers' rules, occupational health and safety policy, industry guidelines, codes of practice, manufacturers' instructions, and safe working and/or job procedures (or equivalent).
- This unit standard is intended for, but is not limited to, workplace assessment.

Outcomes and performance criteria

Outcome 1

Describe the purpose and layout of control rooms at an extraction site.

Performance criteria

1.1 The purpose of control rooms is described in terms of their site function.

1.2 The layout of control rooms is described in terms of its contents.

Range	flow system displays, computer hardware, software type, display panels, communications, alarms, plant and equipment controls, video screens, interlocks, seating.
-------	---

Outcome 2

Describe and demonstrate the operation of a control room at an extraction site.

Performance criteria

2.1 The operational procedures of a control room are described and demonstrated in terms of the computer controls, displays, communication methods, shut-down and start-up procedures, re-booting software, and inspections.

Outcome 3

Describe and demonstrate the safety systems and checks required for control rooms at extraction sites.

Performance criteria

3.1 The safety systems in control rooms are described and demonstrated in terms of fire fighting, alarms, emergency evacuation, communications, and emergency shutdown.

Outcome 4

Carry out shift-end requirements and complete documentation for control room operations at an extraction site.

Performance criteria

4.1 Defects and hazards are identified and documented in accordance with industry best practice.

- 4.2 Documentation for control room operators is completed in accordance with company procedures.

Range operator log sheets, hazard reports, production reports, processing reports, quality and analysis reports, alarm reports, shutdown and downtime reports.

This unit standard is expiring. Assessment against the standard must take place by the last date for assessment set out below.

Status information and last date for assessment for superseded versions

Process	Version	Date	Last Date for Assessment
Registration	1	31 July 2001	31 December 2019
Review	2	24 November 2005	31 December 2027
Rollover and Revision	3	16 July 2010	31 December 2027
Rollover and Revision	4	25 January 2018	31 December 2027
Review	5	27 November 2025	31 December 2027

Consent and Moderation Requirements (CMR) reference

0114

This CMR can be accessed at <http://www.nzqa.govt.nz/framework/search/index.do>.