

Title	Describe and use energy and chemical industry documentation		
Level	3	Credits	3

Purpose	People credited with this unit standard are able to: identify and describe energy and chemical industry documentation; and use and record information to meet energy and chemical plant and process requirements.
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Classification	Energy and Chemical Plant > Operation of Energy and Chemical Plant
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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;
 - Resource Management Act 1991;
 - Health and Safety in Employment (Petroleum Exploration and Extraction) Regulations 1999;
 - Health and Safety in Employment (Pipelines) Regulations 1999;
 - Health and Safety in Employment (Pressure Equipment, Cranes, and Passenger Ropeways) Regulations 1999;
 - and any subsequent amendments.
- 2 Definitions

Energy and chemical plant may be in – petrochemical, agri-nutrient, power generation, dairy processing, meat processing, and wood fibre manufacturing, or other plants that operate with a combination of high temperatures, pressures, steam and/or chemicals in gas, liquid or solid form.

Organisational requirements – documented policies and procedures. These may include: equipment manufacturers' procedures, plant procedures, suppliers' instructions; site signage; codes of practice; company health and safety plans; on site briefings; and supervisor's instructions. This includes all regulatory and legislative obligations that apply to the plant.

Plant – the operational unit, equipment and/or workplace at which the person is working.
- 3 For the purposes of assessment, evidence:
 - for the practical components of this unit standard must be supplied from the workplace.
 - for all outcomes must be presented in accordance with organisational requirements.

Outcomes and performance criteria

Outcome 1

Identify and describe energy and chemical industry documentation.

Range manuals, vendor information, operations procedures, process drawings, production reports, logs, quality system documentation, topographical maps, maintenance requests, authorisation to work.

Performance criteria

1.1 Identify and describe documentation in terms of purpose.

1.2 Identify and describe site documentation in terms of location and methods by which it is available.

Range hard copy, electronic.

1.3 Describe documentation in terms of quality control requirements.

Range currency, responsibilities, reviews, audits, storage, any statutory requirements.

Outcome 2

Use and record information to meet energy and chemical plant and process requirements.

Performance criteria

2.1 Use site documentation to assess plant and process conditions against site requirements.

Range productivity, efficiency, specification, process variables, quality management, repair initiation.

2.2 Interpret data to determine appropriate operational requirements for the plant and process.

Range deviation, specification, equipment malfunction.

2.3 Report and record data.

Range logs, reports, maintenance requests, site specific documentation, trend checks.

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	6 February 1997	31 December 2018
Revision	2	3 August 2000	31 December 2018
Review	3	24 January 2002	31 December 2018
Review	4	20 February 2009	31 December 2018
Rollover and Revision	5	20 April 2017	31 December 2022
Review	6	27 February 2020	31 December 2026
Review	7	27 March 2025	31 December 2026

Consent and Moderation Requirements (CMR) reference

0079

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