

Title	Analyse commercial operational compliance and risks and develop a risk action plan in an energy and chemical plant		
Level	5	Credits	10

Purpose	<p>This unit standard is intended for experienced people working as boiler operators and energy and chemical process operators in an energy and chemical plant.</p> <p>People credited with this unit standard are able to: analyse the value chain, determine customer expectations, and analyse the implications of not meeting customer expectations; analyse commercial operational risks, identify risk control measures and develop a risk action plan for implementation; and analyse commercial operational compliance requirements, in an energy and chemical plant.</p>
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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

- Legislation relevant to this unit standard includes but is not limited to:
 - Health and Safety at Work Act 2015;
 - Hazardous Substances and New Organisms Act 1996;
 - Resource Management Act 1991;
 - and any subsequent amendments.
- Definitions

Customers – internal or external customers.

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.

Value chain – the chain of activities that an organisation operating in a specific industry performs in order to deliver a product or service of value to the market.

3 For the purposes of assessment:

- evidence for the practical components of this unit standard must be supplied from the workplace.
- evidence for all outcomes must be presented in accordance with organisational requirements.

Outcomes and performance criteria

Outcome 1

Analyse the value chain, determine customer expectations, and analyse the implications of not meeting customer expectations in an energy and chemical plant.

Performance criteria

1.1 Analyse the value chain in terms of its components.

Range components include but are not limited to – suppliers, raw materials, process steps, products, customers.

1.2 Determine customer expectations in terms of quality, cost and delivery.

1.3 Analyse the implications of not meeting customer expectations in terms of the commercial impacts.

Range evidence of one tangible and one intangible commercial implication is required.

1.4 Describe own role in delivering customer expectations in terms of responsibilities to be performed.

1.5 Analyse implications of not meeting customer expectations on own role and responsibilities to determine any impacts on performance.

Outcome 2

Analyse commercial operational risks in an energy and chemical plant, identify risk control measures and develop a risk action plan for implementation.

Range evidence of two operational risks is required.

Performance criteria

2.1 Analyse commercial operations to determine any operational risks.

2.2 Compare risk information against risk acceptance criteria and procedures to assess acceptability of risk.

2.3 Identify risk control measures and develop an action plan for their implementation.

Outcome 3

Analyse commercial operational compliance requirements in an energy and chemical plant.

Range compliance requirements may include but are not limited to – health and safety, financial, environmental;
evidence of one type of compliance requirement is required.

Performance criteria

- 3.1 Analyse compliance breaches to identify the tangible and intangible implications, and their commercial impact on an energy or chemical plant.
- 3.2 Analyse actions taken to maintain compliance to determine their commercial implications for an energy or chemical plant.

Replacement information	This unit standard was replaced by skill standard 40465.
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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	24 October 2014	31 December 2022
Review	2	27 February 2020	31 December 2026
Review	3	24 April 2025	31 December 2026

Consent and Moderation Requirements (CMR) reference	0079
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This CMR can be accessed at <http://www.nzqa.govt.nz/framework/search/index.do>.