

## 40465 Analyse commercial operational compliance and risks, and create a risk action plan in an energy and chemical plant

<b>Kaupae   Level</b>	5
<b>Whiwhinga   Credit</b>	10
<b>Whāinga   Purpose</b>	<p>This skill standard is intended for experienced people working as boiler operators, energy and chemical process operators, and senior managers in an energy and chemical plant.</p> <p>People credited with this skill standard are able to: assess the value chain and customer expectations and evaluate the impact of not meeting customer expectations; analyse commercial operational risks and develop a risk action plan for implementation; and analyse commercial operational compliance requirements and assess impact of non-compliance, in an energy and chemical plant.</p> <p>This skill standard can be used in the New Zealand Energy and Chemical qualifications at Level 5.</p>

### Hua o te ako me Paearu aromatawai | Learning outcomes and assessment criteria

<b>Hua o te ako   Learning outcomes</b>	<b>Paearu aromatawai   Assessment criteria</b>
1. Assess the value chain and customer expectations in an energy and chemical plant and evaluate the impact of unmet expectations.	a. Analyse the value chain in terms of its components.
	b. Determine customer expectations in terms of quality, cost and delivery.
	c. Analyse the implications of not meeting customer expectations in terms of the commercial impacts.
	d. Describe own role in delivering customer expectations in terms of responsibilities to be performed.
	e. Analyse implications of not meeting customer expectations on own role and responsibilities to determine any impacts on performance.
2. Analyse commercial operational risks in an energy and chemical plant and develop a risk action plan for implementation.	a. Analyse commercial operations to determine any operational risks.
	b. Compare risk information against risk acceptance criteria and procedures to assess acceptability of risk.
	c. Identify risk control measures and develop an action plan for their implementation.

Hua o te ako   Learning outcomes	Paearu aromatawai   Assessment criteria
3. Analyse commercial operational compliance requirements and assess impact of non-compliance in an energy and chemical plant.	a. Identify key compliance requirements in commercial operations.
	b. Evaluate the tangible and intangible implications of compliance breaches, and their commercial impact on the plant.
	c. Analyse actions taken to maintain compliance to determine their commercial implications for an energy or chemical plant.

### Pārongo aromatawai me te taumata paearu | Assessment information and grade criteria

Assessment specifications:

- evidence for the practical components of this skill standard must be supplied from the workplace.
- evidence for all outcomes must be presented in accordance with organisational requirements.
- 1a: components include but are not limited to – suppliers, raw materials, process steps, products, customers.
- 1c: evidence of one (1) tangible and one (1) intangible commercial implication is required.
- Learning outcome 2: evidence of two (2) operational risks is required.
- 3a: requirements include but are not limited to – health and safety, financial, environmental.

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 to deliver a product or service of value to the market.

### Ngā momo whiwhinga | Grades available

Achieved

### Ihirangi waitohu | Indicative content

None

**Rauemi | Resources**

Legislation relevant to this skill 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.

**Pārongo Whakaū Kounga | Quality assurance information**

<b>Ngā rōpū whakatau-paerewa  </b> Standard Setting Body	Hanga-Aro-Rau Workforce Manufacturing, Engineering and Logistics Development Council
<b>Whakaritenga Rārangi Paetae Aromatawai  </b> DASS classification	Manufacturing > Energy and Chemical Plant > Operation of Energy and Chemical Plant
<b>Ko te tohutoro ki ngā Whakaritenga i te</b> <b>Whakamanatanga me te Whakaōritenga  </b> CMR	0079

<b>Hātepe  </b> Process	<b>Putanga  </b> Version	<b>Rā whakaputa  </b> Review Date	<b>Rā whakamutunga mō te</b> <b>aromatawai  </b> Last date for assessment
<b>Rēhitatanga  </b> Registration	1	24 April 2025	N/A
<b>Kōrero whakakapinga  </b> Replacement information	This skill standard replaced unit standard 28166.		
<b>Rā arotake  </b> Planned review date	31 December 2029		

Please contact Hanga-Aro-Rau Manufacturing, Engineering and Logistics Workforce Development Council at [qualifications@hangaarorau.nz](mailto:qualifications@hangaarorau.nz) to suggest changes to the content of this skill standard.