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| <b>Title</b> | <b>Describe the legal and operational requirements for an approved handler for Class 1 substances</b> |                |           |
| <b>Level</b> | <b>4</b>  | <b>Credits</b> | <b>10</b> |

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| <b>Purpose</b> | <p>People credited with this unit standard are able to describe the requirements of the Hazardous Substances and New Organisms (HSNO) Act 1996 and relevant regulations as they apply to an approved handler for Class 1 substances, and describe the safety and protection procedures for handling Class 1 substances as an approved handler.</p> |
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| <b>Classification</b> | Extractive Industries > Extractive Industries Management |
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| <b>Available grade</b> | Achieved |
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### 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;
  - Health and Safety at Work (Hazardous Substances) Regulations 2017 and related Safe Work Instruments (SWIs) published by WorkSafe NZ;
  - approved codes of practice issued pursuant to the HSW Act;
  - WorkSafe New Zealand Act 2013;
  - Hazardous Substances and New Organisms (HSNO) Act 1996.
- The Environmental Protection Authority (EPA) is responsible for assessing and approving hazardous substances and, where appropriate, setting controls on the way the substances are used. Any questions relating to the provisions for hazardous substances should be directed to [EPA New Zealand](#).
- 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.

#### 4 Definitions

*Class 1 substances* in the context of this unit standard, which is specific for mining and blasting operations in extractive industries, refers to explosives and associated substances.

*Offence and defence provisions* refer to the conditions and provisions of the HSNO Act 1996, which apply to offences against the Act and the respective defences and penalties, which apply within the Act.

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## Outcomes and performance criteria

### Outcome 1

Describe the requirements of the HSNO Act 1996 and relevant regulations as they apply to an approved handler for Class 1 substances.

#### Performance criteria

1.1 The purpose and the requirements of the HSNO Act 1996 are described in terms of their application to an approved handler for Class 1 substances.

Range principles of the HSNO Act 1996, hazard classification, test certificates, offence and defence provisions, penalties and liabilities, compliance orders.

1.2 The requirements of the HSW (Hazardous Substances) Regulations 2017 are described in terms of their application to an approved handler of Class 1 substances.

Range includes but is not limited to – transfer, transport, storage, location, records and reporting.

1.3 The application and management of Class 1 substances are described in terms of the handling of the substances under the HSNO Act 1996.

Range equipment and instruments, application and use, practical experience, Controlled Substances Licences (CSLs).

### Outcome 2

Describe the safety and protection procedures for handling Class 1 substances as an approved handler.

#### Performance criteria

2.1 The implementation of safety and protection procedures is described in terms of the handling of Class 1 substances.

Range impact or pressure shock, spark energy, heat and fire, static electricity, stray electrical currents, electromagnetic radiation, thunderstorms, detonation protection procedures.

2.2 The common faults and hazards that may occur when handling Class 1 substances are described.

Range damaged and/or deteriorated class 1 substances, misfires, flyrock, vibration, back break, oversize, circuit faults, butt (or bull) holes; unsafe charging practices, inadequate guarding or cover (blast mats), personnel not taking cover, returning too soon to a blast.

**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       | 21 November 2003 | 31 December 2012         |
| Review                | 2       | 23 April 2007    | 31 December 2012         |
| Review                | 3       | 18 March 2011    | 31 December 2017         |
| Review                | 4       | 22 August 2014   | 31 December 2027         |
| Rollover and Revision | 5       | 25 January 2018  | 31 December 2027         |
| Review                | 6       | 27 November 2025 | 31 December 2027         |

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| <b>Consent and Moderation Requirements (CMR) reference</b> | 0114 |
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This CMR can be accessed at <http://www.nzqa.govt.nz/framework/search/index.do>.