

Title	Apply safe handling procedures when using explosive substances		
Level	4	Credits	6

Purpose	<p>This unit standard is intended for people who are the certified handlers in their workplace, under the Health and Safety at Work (Hazardous Substances) Regulations 2017, and who are involved in the manufacture and use of hazardous substances.</p> <p>People credited with this unit standard are able to apply safe handling procedures when using explosive substances.</p>
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Classification	Occupational Health and Safety > Hazardous Substances and Materials
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Available grade	Achieved
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Guidance Information

- 1 Legislation applicable to this unit standard includes but is not limited to – Health and Safety at Work Act 2015, Health and Safety at Work (Hazardous Substances) Regulations 2017, Hazardous Substances and New Organisms Act 1996, and Government Roadway Powers Act 1989.
- 2 Definitions

Certified handler – someone who is qualified to handle very hazardous substances. A certified handler may also provide guidance and assistance to other people handling the substances.

Explosive substance – a reactive substance that contains a great amount of potential energy that can provide an explosion if released suddenly, usually accompanied by the production of light, heat, sound and pressure.

Hazardous substance – any substance that has one or more of the following properties (explosive, flammable, ability to oxidize, corrosiveness, toxicity, ecotoxicity) when above specified levels. A hazardous substance can have more than one hazardous property such as petrol which is flammable and toxic.

Organisational requirements – instructions to staff on policies and procedures which are documented in memo or manual format. These requirements include but are not limited to – site-specific requirements and any company quality management requirements.

Outcomes and performance criteria

Outcome 1

Apply safe handling procedures when using explosive substances.

Performance criteria

- 1.1 Requirements for personnel operating safely when using explosive substances are identified and described in accordance with legislative requirements.
- Range requirements include but are not limited to – those not specifically authorised to be there, those required to be at the place whether or not for using explosive substances, those not under control or supervision of certified handler.
- 1.2 Packaging and containment requirements for explosive substances are complied with in accordance with legislative and organisational requirements.
- Range includes but is not limited to – the point where explosive charge is to be made up, during make up of explosive charge.
- 1.3 Segregation during make up of explosive charge is controlled in accordance with legislative and organisational requirements.
- 1.4 System for firing explosive charges is managed in accordance with legislative and organisational requirements.
- 1.5 Firing and/or misfiring of explosive charges is monitored in accordance with legislative and organisational requirements.
- 1.6 Any evacuation is coordinated and managed and substances controlled in accordance with legislative and organisational requirements.
- 1.7 Volumes of substances are calculated to manage blast pressure and heat radiation and hazardous fragments in accordance with legislative requirements.
- 1.8 Established documented procedures for transferring explosive substances during use are identified and complied with in accordance with legislative and organisational requirements.

Planned review date	31 December 2020
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Status information and last date for assessment for superseded versions

Process	Version	Date	Last Date for Assessment
Registration	1	15 September 2011	N/A
Rollover and Revision	2	22 May 2014	N/A
Rollover and Revision	3	8 December 2016	N/A
Rollover and Revision	4	22 August 2019	N/A

Consent and Moderation Requirements (CMR) reference	0121
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This CMR can be accessed at <http://www.nzqa.govt.nz/framework/search/index.do>.

Comments on this unit standard

Please contact The Skills Organisation reviewcomments@skills.org.nz if you wish to suggest changes to the content of this unit standard.