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| <b>Title</b> | <b>Demonstrate knowledge of building design, controlled zones and site plans for storing flammable gases and aerosols</b> |                |          |
| <b>Level</b> | <b>3</b>  | <b>Credits</b> | <b>3</b> |

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| <b>Purpose</b> | <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 demonstrate knowledge of building design, controlled zones and site plans for storing flammable gases and aerosols.</p> |
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| <b>Classification</b> | Occupational Health and Safety > Hazardous Substances and Materials |
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| <b>Available grade</b> | Achieved |
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## Guidance Information

### 1 References

Legislative requirements applicable to this unit standard include – Health and Safety at Work Act 2015, Health and Safety at Work (Hazardous Substances) Regulations 2017, Hazardous Substances and New Organisms Act 1996, and any subsequent amendments and replacements.

### 2 Definitions

*Certified handler* – a person who has been certified to handle very hazardous substances. A certified handler may also provide guidance and assistance to other people handling the substances.

*Hazardous substance* – any substance that has one or more of the following properties (explosive, flammable, tendency to oxidize, corrosive, toxic, eco-toxic) 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.

### 3 Certified handlers are not responsible for classifying hazardous substances and it is not their responsibility or duty to draw/mark a hazardous zone on a site plan.

## Outcomes and performance criteria

### Outcome 1

Demonstrate knowledge of building design, controlled zones and site plans for storing flammable gases and aerosols.

### Performance criteria

- 1.1 Compliant building types and storage locations for flammable gases and aerosols are identified and described in accordance with legislative requirements.
- 1.2 The need for controlled zones for flammable gases and aerosols is explained in accordance with legislative requirements.
- 1.3 The process for calculating controlled zones for flammable gases and aerosols is described in accordance with legislative requirements.
- 1.4 Options for managing behaviour in controlled zones for flammable gases and aerosols are described in accordance with legislative and organisational requirements.  
  
Range includes but is not limited to – high-intensity land use, low-intensity land use.
- 1.5 The process for marking a controlled zone for flammable gases and aerosols on a site plan is described in accordance with legislative requirements.

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| <b>Planned review date</b> | 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       | 21 July 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                      |

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

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**Comments on this unit standard**

Please contact The Skills Organisation [reviewcomments@skills.org.nz](mailto:reviewcomments@skills.org.nz) if you wish to suggest changes to the content of this unit standard.