

<b>Title</b>	<b>Work safely on an infrastructure works site</b>		
<b>Level</b>	<b>3</b>	<b>Credits</b>	<b>7</b>

<b>Purpose</b>	People credited with this unit standard are able to, on an infrastructure works site: identify and explain health and safety requirements and high risks; and work safely with others.
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<b>Classification</b>	Infrastructure Works > Infrastructure Works Health, Safety, and Environment
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<b>Available grade</b>	Achieved
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### Explanatory notes

- The following legislation and documents must be complied with:  
 Health and Safety in Employment Act 1992;  
 Health and Safety in Employment Regulations 1995;  
 Regulations and codes of practice pertaining to the sector of the civil infrastructure industry to which the workplace belongs; documented company health, safety, environmental, and quality procedures.  
*Approved Code of Practice for the Management of Substances Hazardous to Health in the Workplace July 1997*, and *Approved Code of Practice for Safety in Excavation and Shafts for Foundations Sept 1995*, both published by Occupational Safety and Health Service;  
*Operator Safety Manual for Earthmoving Machinery, 2002* available by contacting the Infrastructure ITO <http://www.connexis.org.nz/> or the Civil Contractors New Zealand, <http://www.nzcontractors.co.nz/>;  
*The Bitumen Safety Handbook, NZ Pavement and Bitumen Contractors' Association Inc.*, available at [www.bitumen.org.nz](http://www.bitumen.org.nz/); and operation manuals for specific equipment.
- Assessment against this unit standard must take place in a workplace environment. Assessment parameters will depend on company and site specific equipment, procedures, and practices. Practices must reflect industry best practice and comply with legislative requirements.  
 For Outcome 3, evidence for requirements 3.7, 3.8, and 3.9 may come from actual and/or simulated situations.
- Definitions  
*Company procedures* refers to all documented policies, procedures and methodologies of the candidate's employer at the time of training including but not limited to those relating to health, safety, environment, quality, and operations.  
*Industry best practice* refers to minimum standards for civil works and services operations as described in relevant codes of practice, guidelines, and manuals.  
*Infrastructure works site* refers to a site with activity relating to any of: the

construction and maintenance of infrastructure assets, such as road, rail, port, airport, and utilities; demolition; bulk earthworks; quarrying; asphalt production; or bitumen storage and application.

*SDS* means the safety data sheets provided by the product manufacturer.

*Site safety plan* means the comprehensive plan dealing with issues relating to health, safety, and the environment. This plan may be generic or site specific and will include an emergency plan. It may include a hazard register.

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## Outcomes and evidence requirements

### Outcome 1

Identify and explain health and safety requirements on an infrastructure works site.

#### Evidence requirements

1.1 Safe work practices are identified and explained in relation to worksite activities.

Range: may include but is not limited to – hazard identification, work permit, personal protective equipment, operating procedures.

1.2 Communication methods are identified and explained in accordance with site requirements.

Range traffic control, slinging and lifting, plant, control of on-site plant, spreading chip on-site, loaded vehicle signals.

1.3 Hazardous materials and flammable goods are identified and requirements for their safe storage and use are explained in accordance with SDS.

### Outcome 2

Identify and explain high risks on an infrastructure works site.

#### Evidence requirements

2.1 High risks associated with infrastructure works activities are identified and explained.

Range: infrastructure works activities include – confined spaces, working at heights, working around hot bitumen, lockout and tagout, hot work, excavating around services.

### Outcome 3

Work safely with others on an infrastructure works site.

Range evidence is required from at least three worksites.

**Evidence requirements**

- 3.1 Site safety plan is adhered to, and hazards identified on the hazard register are controlled and monitored in accordance with company procedures and candidate level of responsibility.  
  
Range: includes but is not limited to – access, egress, housekeeping.
- 3.2 Personal protective equipment is used in accordance with industry best practice.
- 3.3 Communication methods and procedures used comply with site safety requirements, and communication with others on worksite is clear and accurate.  
  
Range: methods may include but are not limited to – oral, written, sign, radio, electronic.
- 3.4 Hazards arising from changing conditions are identified, assessed, controlled, and monitored in accordance with company procedures and candidate level of responsibility.
- 3.5 Plant, tools, and equipment are checked for safe operation prior to use, and are operated in accordance with manufacturer’s instructions and with regard for the safety of others on worksite.
- 3.6 Plant, tools, and equipment are maintained and stored in accordance with company procedures and industry best practice.
- 3.7 Hazardous materials and flammable goods are handled and stored in accordance with legislative requirements and site safety plan.
- 3.8 An unsafe work practice is identified and corrective action implemented in accordance with industry best practice and candidate level of responsibility.
- 3.9 Accidents are reported and recorded in accordance with company procedures and industry best practice.

<b>Planned review date</b>	31 December 2019
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**Status information and last date for assessment for superseded versions**

Process	Version	Date	Last Date for Assessment
Registration	1	27 October 2004	31 December 2016
Review	2	19 February 2015	N/A

<b>Consent and Moderation Requirements (CMR) reference</b>	0101
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This CMR can be accessed at <http://www.nzqa.govt.nz/framework/search/index.do>.

**Please note**

Providers must be granted consent to assess against standards (accredited) by NZQA, before they can report credits from assessment against unit standards or deliver courses of study leading to that assessment.

Industry Training Organisations must be granted consent to assess against standards by NZQA before they can register credits from assessment against unit standards.

Providers and Industry Training Organisations, which have been granted consent and which are assessing against unit standards must engage with the moderation system that applies to those standards.

Requirements for consent to assess and an outline of the moderation system that applies to this standard are outlined in the Consent and Moderation Requirements (CMRs). The CMR also includes useful information about special requirements for organisations wishing to develop education and training programmes, such as minimum qualifications for tutors and assessors, and special resource requirements.

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**Comments on this unit standard**

Please contact the Infrastructure ITO [qualifications@infrastructureito.org.nz](mailto:qualifications@infrastructureito.org.nz) if you wish to suggest changes to the content of this unit standard.