

Title	Work in a confined space in the infrastructure industry		
Level	3	Credits	6

Purpose	People credited with this unit standard are able to, in the infrastructure industry: identify the location, and work procedure to be carried out; examine an entry plan for completeness, and enter, complete work, withdraw from a confined space; and conduct a non-entry confined space rescue.
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Classification	Infrastructure Works > Generic Infrastructure Works
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Available grade	Achieved
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Entry information	
Critical health and safety prerequisites	Unit 18426, <i>Demonstrate knowledge of hazards associated with confined space</i> , or demonstrate equivalent knowledge and skills.

Explanatory notes

- 1 Legislation and references relevant to this unit standard include: Health and Safety at Work Act 2015, and subsequent amendments;
AS 2865:2009 – *Confined spaces*, available from <http://infostore.saiglobal.com/store/Details.aspx?ProductID=1137140>;
Excavation Safety – Good Practice Guidelines (2016), available from <http://www.worksafe.govt.nz/worksafe/information-guidance/all-guidance-items/excavation-safety-gpg>;
Workplace Exposure Standards and Biological Exposure Indices (2016), available from <http://www.worksafe.govt.nz/worksafe/information-guidance/all-guidance-items/workplace-exposure-standards-and-biological-exposure-indices>.
- 2 Definition
Organisational procedures – instructions to staff, and procedures which are documented in memo or manual format and are available in the workplace. These requirements include but are not limited to – site specific requirements, manufacturers' specifications, product quality specifications, and legislative or regulatory requirements.
- 3 This unit standard relates to work situations which may include but are not limited to – utility maintenance, infrastructure construction, inspections, supervision management, and emergencies.

- 4 Evidence for a minimum of three observations of confined space entry is required to achieve credit for Outcome 2. At least one entry must be performed on-job under real workplace conditions.
- 5 Outcome 3 may be assessed against using a simulated scenario. Rescues performed as evidence for Outcome 3 must be either self-rescue or a non-entry rescue (assisting from outside the confined space). Candidates must not enter a confined space to affect a rescue unless they are part of a trained rescue team.

Outcomes and evidence requirements

Outcome 1

Identify the location, and work procedure to be carried out in the infrastructure industry.

Evidence requirements

- 1.1 The location of the work is identified in accordance with organisational procedures.

Range at least one of – pipelines, aqueducts, siphons, intake chambers, screen structures, access chambers, pump wet wells, tanks, reservoirs, excavations, tunnels.
- 1.2 The purpose and timing of the work procedure is described in accordance with organisational procedures.

Range purpose may include but is not limited to – construction, cleaning, equipment repair, equipment inspection, equipment maintenance, equipment installation, survey, investigation, blockage clearance.

Outcome 2

Examine an entry plan for completeness, and enter, complete work, and withdraw from a confined space in the infrastructure industry.

Evidence requirements

- 2.1 The entry plan is examined for completeness, appropriateness, and due approval in accordance with legislation and organisational procedures.

Range may include – control of water entry, signing on/off of locks, external support personnel, equipment use, gas testing, atmospheric monitoring, safety rope supports, personal protective equipment (PPE) use, electrical precautions, ventilation equipment.
- 2.2 The entry procedure is followed in accordance with the entry plan, and organisational procedures.

- 2.3 Entry plan requirements are followed during the work procedure, and carried out in accordance with organisational procedures.
- 2.4 The entry plan is followed for completion and personnel withdrawal, and carried out in accordance with organisational procedures.

Outcome 3

Conduct a non-entry confined space rescue in the infrastructure industry.

Evidence requirements

- 3.1 Need for assistance is determined in accordance with organisational procedures.
- Range one of – site assistance, outside assistance.
- 3.2 Extraction of the victim is in accordance with the rescue plan.
- 3.3 Basic life support and first aid are administered to the victim.
- 3.4 Incident is reported in accordance with organisational procedures.

Planned review date	31 December 2021
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Status information and last date for assessment for superseded versions

Process	Version	Date	Last Date for Assessment
Registration	1	27 May 2002	31 December 2018
Review	2	19 September 2008	31 December 2018
Review	3	16 March 2017	N/A

Consent and Moderation Requirements (CMR) reference	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 (CMR). 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.

Comments on this unit standard

Please contact the Infrastructure Industry Training Organisation qualifications@connexis.org.nz if you wish to suggest changes to the content of this unit standard.