Title	**Plan a confined space entry**		
Level	**4**	**Credits**	**5**

Purpose	This unit standard is for experienced people who are required to work safely in confined spaces. People credited with this unit standard are able to identify hazards and controls within confined spaces; develop an emergency procedure plan for a confined space; and complete documentation required for confined space entry.

Classification	Occupational Health and Safety > Occupational Health and Safety Practice

Available grade	Achieved

Guidance Information

1 References
Legislative requirements in this unit standard include but are not limited to – Health and Safety at Work Act 2015, Resource Management Act 1991, local body regulations, Approved Codes of Practice including AS 2865-2009 *Confined Spaces,* available at www.saiglobal.com.

2 Definitions
Confined spaces – an enclosed or partially enclosed space that is not intended or designed primarily for human occupancy, within which there is a risk of one or more of the following:
(a) An oxygen concentration outside the safe oxygen range.
(b) A concentration of airborne contaminant that may cause impairment, loss of consciousness or asphyxiation.
(c) A concentration of flammable airborne contaminant that may cause injury from fire or explosion.
(d) Engulfment in a stored free-flowing solid or a rising level of liquid that may cause suffocation or drowning.
Organisational requirements – instructions to candidates 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 quality management requirements.

Outcomes and performance criteria

Outcome 1

Identify hazards and controls within confined spaces.

Performance criteria

1.1 Examples of confined spaces are described in terms of their categories.

Range examples of tank-like compartments include but are not limited to – storage tanks, tankers, process vessels, boilers, pressure vessels, silos, dryers;
examples of open top spaces include but are not limited to – pits, degreasers, pipes, fat traps, sewers, shafts, ducts;
examples of small hatchway or access pits include but are not limited to – cargo tanks, cellular double bottom tanks, duct keels, ballast and oil tanks, void spaces;
evidence is required for three examples from each category.

1.2 Hazards of confined spaces are identified in terms of their potential for serious harm.

Range hazards include but are not limited to – oxygen deficiency in the confined space; oxygen excess in the confined space; contaminants on surfaces or in the atmosphere; operation of moving equipment; uncontrolled introduction of steam, water, other gas or liquid; suffocation by solids; electrocution; explosion; fire.

1.3 Additional factors that may increase the risk of injury from hazards are identified in terms of organisational requirements.

Range factors include but are not limited to – noise; temperature; radiation within a confined space; manual handling; falls, trips and slips.

1.4 The hierarchy of control measures are identified in terms of their ability to eliminate or minimise the risk.

Range hierarchy includes but is not limited to – elimination, isolation, and minimisation.

Outcome 2

Develop an emergency procedure plan for a confined space.

Performance criteria

2.1 Plan contains evacuation strategies for work area in accordance with organisational requirements.

2.2 Plan identifies actions that need to be taken when an emergency is first discovered, in accordance with organisational requirements.

Range actions include but are not limited to – first aid; cardio-pulmonary resuscitation; use of lifting equipment, safety harnesses, breathing apparatus, and fire fighting equipment.

2.3 Plan identifies the essential elements of a rescue in accordance with organisational requirements.

2.4 Plan identifies the safety watch duties in accordance with organisational requirements.

2.5 The communication system is described in terms of organisational requirements.

Range communication system includes but is not limited to – person to safety watch, safety watch to other groups.

Outcome 3

Complete documentation required for confined space entry.

Performance criteria

3.1 The required legal documents covering confined space entry are identified in terms of organisational requirements.

3.2 Documentation is completed in accordance with organisational requirements.

Range documentation includes but is not limited to that pertaining to – work permit, risk assessment, hazard management processes, isolation and lookout procedures, air quality monitoring.

Planned review date	31 December 2022

Status information and last date for assessment for superseded versions

Process	Version	Date	Last Date for Assessment
Registration	1	14 December 2000	31 December 2014
Revision	2	16 May 2005	31 December 2014
Review	3	25 May 2007	31 December 2014
Review	4	21 March 2013	31 December 2018
Rollover and Revision	5	22 May 2014	31 December 2018
Rollover and Revision	6	19 January 2017	N/A
Rollover and Revision	7	22 August 2019	N/A

Consent and Moderation Requirements (CMR) reference	0121

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.