Title	**Plan a confined space entry in the electricity supply industry**		
Level	**4**	**Credits**	**4**

Purpose	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 entry; and complete documentation required for confined space entry in the electricity supply industry.

Classification	Electricity Supply > Electricity Supply - Core Skills

Available grade	Achieved

Guidance Information

1 Evidence presented for assessment against this unit standard must be consistent with safe working practices and be in accordance with applicable legislative and industry requirements.

2 Legislation, regulations and/or industry standards relevant to this unit standard include but are not limited to the current version of the Health and Safety at Work Act 2015; Electricity Act 1992; Electricity (Safety) Regulations 2010; and any subsequent amendments and replacements; AS 2865 Confined Spaces; Electricity supply industry codes of practice and documented enterprise procedures, including *Safety Manual – Electricity Industry* (SM-EI) (2015) Wellington: Electricity Engineers' Association available at www.eea.co.nz.

3 Definitions
Asset owner refers to a participant who owns or operates assets used for generating or conveying electricity.
Confined spaces are defined as enclosed or partially enclosed spaces which are not intended or designed primarily for human occupancy, may have restricted means of entry and exit, and may present a risk from one or more of the following: unsafe concentration of harmful airborne contaminants or flammable substances, unsafe oxygen levels, and substances that can cause engulfment.
Industry requirements include all asset owner requirements; manufacturers' specifications; and enterprise requirements which may include the documented workplace policies, procedures, specifications, business, and quality management requirements relevant to the workplace in which assessment is carried out.

Outcomes and performance criteria

Outcome 1

Identify hazards and controls within confined spaces in the electricity supply industry.

Performance criteria

1.1 Examples of confined spaces are listed.

Range categories of confined spaces include – tank-like compartments, open top spaces, small hatchway or access pits;
evidence is required for three examples from each category.

1.2 The main hazards of confined spaces are identified.

Range hazards potentially causing death or severe injury 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, chemicals;
evidence of four is required.

1.3 Additional factors that may increase the risk of injury from hazards are identified.

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

1.4 The hierarchy of control measures to eliminate or minimise the risk are identified.

Range hierarchy includes but is not limited to – elimination, minimisation; controls include but are not limited to – administrative controls, use of personal protective equipment.

Outcome 2

Develop an emergency procedure plan for a confined space entry in the electricity supply industry.

Range evidence of plans for three different confined spaces is required.

Performance criteria

2.1 Evacuation strategies for work area are described in the plan.

2.2 Actions to be taken when an emergency is first discovered are described in the plan.

Range actions include but are not limited to – first aid, cardio-pulmonary resuscitation, use of equipment to evacuate space.

2.3 The essential elements of a rescue are described in the plan.

2.4 Safety watch duties are listed in the plan.

2.5 The communication system is described in the plan.

Range system includes – trained person to safety watch, reliable means of communication, safety watch to other groups.

Outcome 3

Complete documentation required for confined space entry in the electricity supply industry.

Performance criteria

3.1 The required legal documents covering confined space entry are identified.

3.2 Documentation is completed.

Range documentation includes but is not limited to – work permit, risk assessment, hazard management processes, isolation and lockout procedures, register of persons, air quality monitoring.

Planned review date	31 December 2025

Status information and last date for assessment for superseded versions

Process	Version	Date	Last Date for Assessment
Registration	1	27 April 2001	31 December 2022
Revision	2	13 September 2004	31 December 2022
Review	3	16 April 2010	31 December 2022
Review	4	27 February 2020	N/A

Consent and Moderation Requirements (CMR) reference	0120

This CMR can be accessed at http://www.nzqa.govt.nz/framework/search/index.do.

Comments on this unit standard

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