

Lesson Plan

Competency Unit: Perform Work in Confined Space Operation
PI-PRO-111E-1

Competency Descriptor: Upon completion of this unit, learners will be equipped with the necessary knowledge and expertise to perform the duties of an entrant and attendant when working in a confined space, use gas detection instruments and participate in an emergency situation

Competency Level: Level 1 (Certificate)

Summary of Competency Elements

This competency unit consists of the following elements:

- CE1. Identify duties and responsibilities of all personnel involved in confined space work under the WSH Legislations and Codes of Practice
- CE2. Identify confined space hazards
- CE3. Use Gas Detection Instruments for atmospheric monitoring
- CE4. Comply with Permit-to-Work system and safe work procedures when working in confined space
- CE5. Participate in an Emergency for confined space

Total Duration: 12 hrs Training + 2 hrs Assessment)

Competency Element	Topics/Performance	Time Allocated & Activities	Assessment
Day 1			
CE 1	PC 1.1 Identify, select and use the proper PPE for work/entry PC 1.2 Identify, select, inspect and use respiratory protective equipment PC 1.3 Fit check of air purifying respirators PC 1.4 Identify and follow warning signs PC 1.5 Store and prepare PPE for use in confined space PC 1.6 Store and maintain respiratory protection equipment	180mins/ 3hrs	<ul style="list-style-type: none"> Lecture
	<ul style="list-style-type: none"> Assessment Activity 1a Assessment Activity 1b 	20mins 10mins	<ul style="list-style-type: none"> Written / Oral questions Practical Performance
CE 2	2.1 Identify atmospheric hazards 2.2 Identify physical and biological hazards 2.3 Conduct a simple risk assessment 2.4 Comply with methods to prevent and control confined space hazards	180mins/ 3hrs	<ul style="list-style-type: none"> Lecture
	<ul style="list-style-type: none"> Assessment Activity 2: Individual submission 	20mins	<ul style="list-style-type: none"> Written / Oral questions
CE 3	3.1 Select the correct gas detection instruments for atmospheric testing 3.2 Use gas detection instruments in normal atmospheric condition and abnormal condition 3.3 Read and interpret results shown on gas	60mins/ 1hr	<ul style="list-style-type: none"> Lecture

	testing and gas detection instruments			
	3.4 Store and maintain gas detection instruments			
Day 2				
CE 3	Con't CE 3	60mins/ 1hr		
	▪ Assessment Activity 3: Individual submission	20mins	▪ Written / Oral questions	
CE 4	4.1 Comply with the Permit-to-Work System for confined space	120mins/ 2hrs	▪ Lecture	
	4.2 Follow and comply with safe work procedures for entry into and working inside a confined space			
	▪ Assessment Activity 4: Individual submission	20mins	▪ Written / Oral questions	
CE 5	5.1 Wear full-body harness	120mins/ 2hrs	▪ Lecture	
	5.2 Use self contained breathing apparatus (SCBA)		▪ Case study	
5.3 Test and operate appropriate communication devices				
5.4 Respond to alarms				
5.5 Initiate evacuation and self rescue				
5.6 Activate rescue personnel				
5.7 Use retrieval devices				
5.8 Select, Use and check personnel protective equipment used in rescue operations stored and maintained.				
	▪ Assessment Activity 5	30mins	▪ Practical Performance (Case	

	(Case study)		Study)
	Total Training duration	720mins/12hrs	
	Total Assessment duration	120mins/2hrs	