

1. Title	Gas test in confined spaces
2. Code	EMCUSH213A
3. Range	Conduct gas test in a confined electrical and mechanical engineering space according to work safety procedures, and decide whether the air condition of the confined space is safe to enter according to the test result.
4. Level	2
5. Credits	3
6. Competency	<p style="text-align: center;"><u>Performance Requirements</u></p> <p>6.1 Knowledge of gas test</p> <ul style="list-style-type: none"> ◆ Understand the work safety procedures for gas test ◆ Know about the harmful gases generally existing in confined spaces like sewage. These gases include carbon oxide(CO), hydrogen sulphide(H₂S), methane(CH₄) and other flammable gases ◆ Know how to use appropriate test equipment and correct testing method ◆ Know how to calibrate and maintain test instruments and devices as advised by the manufacturers ◆ Know how to choose the location and way of obtaining samples from the confined space <p>6.2 Gas test</p> <ul style="list-style-type: none"> ◆ Follow the work safety procedures to test the gas, including the oxygen content in the air, and whether the oxygen consists of flammable, poisonous or harmful gases, smoke or vapour ◆ Use test instruments and devices correctly as advised by the manufacturers ◆ Calibrate and maintain test instruments and devices <p>6.3 Determine what types of gases need testing</p> <ul style="list-style-type: none"> ◆ Determine what types of gases need testing with reference to the characteristics of different confined spaces and items previously stored or now storing in these spaces
7. Assessment Criteria	<p>The integrated outcome requirements of this unit of competency are:</p> <p>(i) Capable to conduct gas test correctly with gas test instruments and devices in a confined electrical and mechanical engineering space according to work safety procedures to ensure that the environment is safe to enter.</p> <p>(ii) Capable to determine what types of gases need testing in different confined spaces.</p>
8. Remarks	The credit value of this unit of competency is set on the presumption that the person already possesses basic knowledge of safety.