

1. Title	Install gas mains (steel pipes)	
2. Code	EMGAIT209A	
3. Range	Install and lay steel gas mains in general road environment.	
4. Level	2	
5. Credits	6	
6. Competency	<p style="text-align: center;"><u>Performance Requirements</u></p> <p>6.1 Knowledge and principles of installing gas mains (steel pipes)</p> <ul style="list-style-type: none"> ◆ Understand the properties and range of application of steel pipes ◆ Operate diesel power generator correctly ◆ Operate pneumatic tools correctly ◆ Distinguish different public utilities ◆ Understand underground public utilities plans ◆ Know about the requirements for working in confined spaces ◆ Work safely in trenches underground <p>6.2 Methods and procedures of installing gas mains (steel pipes)</p> <ul style="list-style-type: none"> ◆ Set appropriate safety distance, pipe depth and locations for installation according to the properties of soil aboveground and underground and surrounding pipework conditions ◆ Select suitable pipe support and protective measures according to the design and individual environment in application ◆ Use suitable techniques to weld the steel pipes correctly ◆ Read out and explain the working drawing of the gas network clearly and put on record the work completed <p>6.3 Professional knowledge and responsibilities for installing gas mains (steel pipes)</p> <ul style="list-style-type: none"> ◆ Apply basic legislations and regulations relevant to underground public utilities installation ◆ Apply the industrial safety knowledge relevant to gas main laying works 	

7. Assessment Criteria	The integrated outcome requirement of this unit of competency is: (i) Capable to install and lay steel gas mains in general road environment.
8. Remarks	The credit value of this unit of competency is set on the presumption that the person already possesses the competency of EMGADE101A 【Basic knowledge of gas application】 .