

1. Title	Install domestic and commercial and industrial gas service pipes and relevant equipment
2. Code	EMGAIT211A
3. Range	Install domestic and commercial and industrial gas service pipes and relevant equipment in general domestic and commercial and industrial premises according to specified accuracy and requirements of the industry.
4. Level	2
5. Credits	5
6. Competency	<p style="text-align: center;"><u>Performance Requirements</u></p> <p>6.1 Knowledge and principles of installing domestic and commercial and industrial gas service pipes and relevant equipment</p> <ul style="list-style-type: none"> ◆ Convert metric units correctly to units commonly used in the industry ◆ Explain and use typical drawing symbols correctly ◆ Draw pipework layout plan correctly and to scale ◆ Read out the measurements correctly ◆ Identify different piping materials <p>6.2 Methods and procedures of installing domestic and commercial and industrial gas service pipes and relevant equipment</p> <ul style="list-style-type: none"> ◆ Choose correct piping materials, protective materials and sealing materials according to different application environments ◆ Choose correct pipe fittings according to different application environments ◆ Choose suitable soundness test methods according to different application environments ◆ Choose suitable testing pressure ◆ Complete the test and report on the results ◆ Use welding method to connect the pipes ◆ Connect the pipe and relevant equipment by flange joints ◆ Install 2nd stage regulator at roof correctly ◆ Install expansion joints correctly ◆ Install insulated socket correctly

	<p>6.3 Professional knowledge and responsibilities for installing domestic and commercial and industrial gas service pipes and relevant equipment</p> <ul style="list-style-type: none"> ◆ Apply all the provisions in the Gas Safety (Installation and Use) Regulations under the Gas Safety Ordinance, Cap. 51 ◆ Apply all the provisions in the Code of Practice for Hong Kong LPG Industry: Module 1 [LPG Compounds and Cylinder Stores] ◆ Apply other gas related regulations and codes of practice
7. Assessment Criteria	<p>The integrated outcome requirement of this unit of competency is:</p> <p>(i) Capable to install domestic and commercial and industrial gas service pipes and relevant equipment in general domestic and commercial and industrial premises according to specified accuracy and requirements of the industry.</p>
8. Remarks	<p>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】 .</p>