

1. Title	Perform pressure tests, purging and commissioning for installation pipes, service pipes and relevant equipment
2. Code	EMGAIT202A
3. Range	Perform pressure tests, purging and commissioning for installation pipes, service pipes and relevant equipment in general domestic, commercial and industrial premises.
4. Level	2
5. Credits	9
6. Competency	<p style="text-align: center;"><u>Performance Requirements</u></p> <p>6.1 Knowledge and principles of pressure tests, purging and commissioning of installation pipes, service pipes and relevant equipment</p> <ul style="list-style-type: none"> ◆ List gas leakage handling methods commonly used in Hong Kong ◆ List safety concerns for using gaseous fuel (including Towngas, LPG and NG) in Hong Kong ◆ List the minimum requirements for working in construction sites ◆ List soundness test procedures for major systems ◆ Calculate the total volume of the system correctly <p>6.2 Methods and procedures of pressure tests, purging and commissioning of installation pipes, service pipes and relevant equipment</p> <ul style="list-style-type: none"> ◆ Understand the location of the piping route in the working drawing ◆ Count the number and quantities of parts and pipes used from the working drawing ◆ List how to protect gas pipes during construction ◆ Implement soundness test procedures correctly ◆ Calculate leakage volume according to the test result and make improvements and corrections accordingly ◆ List various commissioning methods and their characteristics, and make correct choices ◆ Implement commissioning procedures correctly ◆ Illustrate and report the soundness test results correctly

	<p>6.3 Professional knowledge and responsibilities for pressure tests, purging and commissioning of installation pipes, service pipes and relevant equipment</p> <ul style="list-style-type: none"> ◆ Apply all the provisions in the Gas Safety (Gas Supply) Regulations under the Gas Safety Ordinance, Cap. 51 ◆ Apply other gas related regulations and codes of practice ◆ List the code of operation according to the gas safety regulation, Code of practice and guidelines ◆ Understand relevant codes of practice and implement properly in the work site ◆ List possible dangers during commissioning and their solutions
<p>7. Assessment Criteria</p>	<p>The integrated outcome requirement of this unit of competency is:</p> <p>(i) Capable to perform pressure tests, purging and commissioning for installation pipes, service pipes and relevant equipment in general domestic, commercial and industrial premises.</p>
<p>8. Remarks</p>	<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>