

1. Title	Maintain and repair commercial and industrial gas appliances
2. Code	EMGAOR305A
3. Range	Maintain and repair commercial and industrial gas appliances.
4. Level	3
5. Credits	10
6. Competency	<p style="text-align: center;"><u>Performance Requirements</u></p> <p>6.1 Knowledge and principles of commercial and industrial gas appliance maintenance and repair</p> <ul style="list-style-type: none"> <li>◆ Use a multi-meter correctly to measure the resistance, current and voltage of circuit</li> <li>◆ Use an clamp ammeter correctly to measure current of power line</li> <li>◆ Use a insulation meter to measure insulation resistance of power line</li> <li>◆ Use a multi-meter correctly to measure the circuit of commercial and industrial gas appliance</li> <li>◆ Explain the structure of various types of commercial and industrial gas appliances</li> </ul> <p>6.2 Methods and procedures of commercial and industrial gas appliance maintenance and repair</p> <ul style="list-style-type: none"> <li>◆ Operate instruments to check whether the exhaust meets the requirements</li> <li>◆ Repair the mechanical faults of commercial and industrial gas appliances</li> <li>◆ Repair the electronic faults of commercial and industrial gas appliances</li> <li>◆ Commission the commercial and industrial gas appliances correctly</li> <li>◆ Decommission the commercial and industrial gas appliances correctly</li> <li>◆ Operate the gas detector correctly</li> <li>◆ Locate and repair the leakage</li> </ul>

	<p>6.3 Professional knowledge and responsibilities for commercial and industrial gas appliance maintenance and repair</p> <ul style="list-style-type: none"> <li>◆ Apply all the provisions in the Gas Safety (Installation and Use) Regulations under the Gas Safety Ordinance, Cap. 51</li> <li>◆ Apply all the provisions in the Gas Utilisation Code of Practice GU06 on [LPG Installations for Catering Purposes in Commercial Premises]</li> <li>◆ Apply all the provisions in the Gas Utilisation Guidance Note GU12 on [Installation of Mechanical Exhaust System for Gas Appliances]</li> <li>◆ Apply other gas related regulations and codes of practice</li> </ul>
<p>7. Assessment Criteria</p>	<p>The integrated outcome requirements of this unit of competency are:</p> <ul style="list-style-type: none"> <li>(i) Capable to repair a commercial and industrial mechanical gas appliance with several faults; and</li> <li>(ii) Capable to repair a commercial and industrial electrical gas appliance with several faults.</li> </ul>
<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 <b>【Basic knowledge of gas application】</b> , EMGAOR202A <b>【Maintain and repair gas service pipes】</b> and EMGAOR203A <b>【Maintain and repair domestic gas appliances】</b> .</p>