

1. Title	Install and commission LPG supply system of LPG vehicle	
2. Code	EMGAIT303A	
3. Range	Install or detach LPG cylinder from LPG vehicle at LPG vehicle workshop, and commission and decommission LPG supply system of LPG vehicle.	
4. Level	3	
5. Credits	8	
6. Competency	<p style="text-align: center;"><u>Performance Requirements</u></p> <p>6.1 Knowledge and principles of installing and commissioning LPG supply system of LPG vehicle</p> <ul style="list-style-type: none"> <li>◆ Understand the whole gas supply system of LPG vehicle</li> <li>◆ Understand vehicle workshop requirements e.g. gas detection requirements, ventilation requirements, fire service requirements, etc.</li> <li>◆ Understand the construction and functions of various gas supply system parts</li> <li>◆ Master general fire safety knowledge</li> <li>◆ Use dry powder fire extinguisher correctly</li> <li>◆ Understand how to avoid frostbite caused by LPG</li> <li>◆ Select suitable materials for thread sealing</li> </ul> <p>6.2 Methods and procedures of installing and commissioning LPG supply system of LPG vehicle</p> <ul style="list-style-type: none"> <li>◆ Decommission gas supply system of LPG vehicle correctly</li> <li>◆ Install and detach LPG cylinder correctly</li> <li>◆ Handle the detached LPG cylinder correctly</li> <li>◆ Connect LPG pipe correctly</li> <li>◆ Operate handheld gas detector to ensure that the LPG system is soundness</li> <li>◆ Regulate the exhaust correctly</li> <li>◆ Regulate exchanger outlet pressure correctly</li> <li>◆ Commission gas supply system of LPG vehicle correctly</li> </ul>	

	<p>6.3 Professional knowledge and responsibilities for installing and commissioning LPG supply system of LPG vehicle</p> <ul style="list-style-type: none"> <li>◆ Apply <b>【Guideline for Revalidation of LPG Fuel Tanks for LPG Vehicles】</b> issued by the Electrical and Mechanical Services Department</li> <li>◆ Apply other gas related regulations and codes of practice</li> <li>◆ Understand the definition criteria for hazard zone</li> <li>◆ Understand the basic principles of explosion-proof</li> </ul>
<p>7. Assessment Criteria</p>	<p>The integrated outcome requirement of this unit of competency is:</p> <p>(i) Capable to install or detach LPG cylinder from LPG vehicle at LPG vehicle workshop, and commission and decommission LPG supply system of LPG vehicle.</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 <b>【Basic knowledge of gas application】</b> .</p>