

1. Title	Inspect and repair gas supply system of LPG vehicle
2. Code	EMGAOR302A
3. Range	Inspect and repair gas supply system equipment of LPG vehicle at vehicle workshop, including the LPG cylinder, pipes, vaporizer, pressure regulator, mixer and other accessories.
4. Level	3
5. Credits	5
6. Competency	<p style="text-align: center;"><u>Performance Requirements</u></p> <p>6.1 Knowledge and principles of inspecting and repairing gas supply system of LPG vehicle</p> <ul style="list-style-type: none"> ◆ Understand the whole gas supply system of LPG vehicle ◆ Know about the names of various gas supply system parts ◆ Understand the construction and functions of various gas supply system parts ◆ Master general fire safety knowledge ◆ Use dry powder fire extinguisher correctly <p>6.2 Methods and procedures of inspecting and repairing gas supply system of LPG vehicle</p> <ul style="list-style-type: none"> ◆ Discharge the remaining LPG in liquid form safely ◆ Identify and repair LPG vehicle gas faults ◆ Decommission the gas supply system ◆ Commission the gas supply system ◆ Disconnect and reconnect the LPG in liquid form pipe ◆ Use handheld gas detector ◆ Use the handheld gas detector to identify leakage position ◆ Repair the leakage position

	<p>6.3 Professional knowledge and responsibilities for inspecting and repairing gas supply system of LPG vehicle</p> <ul style="list-style-type: none"> ◆ Apply 【Guideline for Revalidation of LPG Fuel Tanks for LPG Vehicles】 issued by the Electrical and Mechanical Services Department ◆ Apply other gas related regulations and codes of practice ◆ Understand the definition criteria for hazard zone ◆ Understand the basic principles of explosion-proof ◆ Understand vehicle workshop requirements and install equipment according to explosion-proof specifications
<p>7. Assessment Criteria</p>	<p>The integrated outcome requirements of this unit of competency are:</p> <ul style="list-style-type: none"> (i) Discharge the remaining LPG in liquid form in the vehicle pipe correctly and safely; (ii) Disconnect and reconnect the LPG vehicle exchanger correctly and safely; and (iii) Use the handheld gas detector to identify the leakage position and repair it.
<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>