

1. Title	Design and plan gas supply network system to meet social development
2. Code	EMGADE601A
3. Range	Design high pressure gas piping network and relevant pressure regulation control equipment in a cost-effective way for gas piping network in roads according to present needs and future development as well as the requirements of the gas safety regulation and codes of practice; manage, supervise and direct the working team to accomplish the design work, coordinate with other public utilities and relevant government departments, and brief the engineering personnel or people concerned on the engineering details.
4. Level	6
5. Credits	10
6. Competency	<p style="text-align: center;"><u>Performance Requirements</u></p> <p>6.1 Knowledge and principles of designing and planning gas supply network system to meet social development</p> <ul style="list-style-type: none"> ◆ Understand the public utilities network <p>6.2 Methods and procedures of designing and planning gas supply network system to meet social development</p> <ul style="list-style-type: none"> ◆ Design a safe and reliable gas supply network ◆ Assess the development of technologies now using and to be used in future ◆ Leave space for network upgrade ◆ Analyze information on planning ◆ Calculate accurately the flow of the piping network
7. Assessment Criteria	<p>The integrated outcome requirement of this unit of competency is:</p> <p>(i) Capable to design and plan gas supply network system for general gas piping network in roads to meet social development.</p>

8. Remarks	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】 , EMGADE403A 【Design low pressure gas piping network and relevant pressure regulation control equipment】 , EMGADE503A 【Design intermediate and medium pressure gas piping network and relevant pressure regulation control equipment】 and EMGADE505A 【Design high pressure gas piping network and relevant pressure regulation control equipment】 .
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