

1. Title	Manage the operation, repair and maintenance of air-conditioning and refrigeration systems
2. Code	EMACOR602A
3. Range	Apply complicated planning, technical and management functions to manage the operation, repair and maintenance of air-conditioning and refrigeration systems at air-conditioning and refrigeration system sites through information analysis and evaluation.
4. Level	6
5. Credit	12
6. Competency	<p style="text-align: center;"><u>Performance Requirements</u></p> <p>6.1 Knowledge of managing the operation, repair and maintenance of air-conditioning and refrigeration systems</p> <ul style="list-style-type: none"> ◆ Understand the effectiveness, details, common problems and solutions of managing the operation, repair and maintenance of air-conditioning and refrigeration systems ◆ Understand the effectiveness of typical tools for managing the operation, repair and maintenance of air-conditioning and refrigeration systems ◆ Understand the characteristics of urgent repair and regular maintenance <p>6.2 Methods and procedures of managing the operation, repair and maintenance of air-conditioning and refrigeration systems</p> <ul style="list-style-type: none"> ◆ Develop the strategies for the operation, repair and maintenance of air-conditioning and refrigeration systems, including: <ul style="list-style-type: none"> • Formulating the mission statement for the operation, repair and maintenance of air-conditioning and refrigeration systems • Formulating the needs for the operation, repair and maintenance of air-conditioning and refrigeration systems according to the mission statement • Determining the resources required for the operation, repair and maintenance of air-conditioning and refrigeration systems • Managing the required resources • Analyze the advantages and disadvantages of different strategies for operation, repair and maintenance and select the most appropriate strategy ◆ Formulate the mechanism for the operation, repair and maintenance of air-conditioning and refrigeration systems, including: <ul style="list-style-type: none"> • Formulating the staff organisation for operation, repair and maintenance • Formulating the workflow for operation, repair and maintenance • Assessing the system for safe operation of air-conditioning and refrigeration equipment

	<ul style="list-style-type: none"> • Formulating the training system for the staff of operation, repair and maintenance • Formulating major plans for maintaining, constructing and modifying air-conditioning and refrigeration systems ◆ Assess the strategies for the operation, repair and maintenance of air-conditioning and refrigeration systems, including: <ul style="list-style-type: none"> • Analyzing the report for the operation, repair and maintenance of air-conditioning and refrigeration systems and other information so as to propose improvements for the overall running of the unit of operation, repair and maintenance • Assessing the quality management of the unit of operation, repair and maintenance and making improvements <p>6.3 Professionalism in managing the operation, repair and maintenance of air-conditioning and refrigeration systems</p> <ul style="list-style-type: none"> ◆ Perform tasks of managing the operation, repair and maintenance of air-conditioning and refrigeration systems according to legal requirements and codes of practice
7. Assessment Criteria	<p>The integrated outcome requirement of this unit of competency is:</p> <p>(i) Capable to apply complicated planning, technical and management functions to complete the tasks of managing the operation, repair and maintenance of air-conditioning and refrigeration systems, including system and strategy formulation, through information analysis and evaluation.</p>
8. Remarks	<p>The credit value of this unit of competency is set on the presumption that the person already possesses general knowledge of the operation, repair and maintenance of air-conditioning and refrigeration systems.</p>