

1. Title	Perform basic repair and maintenance of packaged air-conditioning systems
2. Code	EMACOR207A
3. Range	Perform basic repair and maintenance of packaged air-conditioning system equipment at servicing stations under a certain degree of instruction.
4. Level	2
5. Credit	7
6. Competency	<p style="text-align: center;"><u>Performance Requirements</u></p> <p>6.1 Construction, characteristics and operating process of water-cooled and air-cooled packaged air-conditioning systems</p> <ul style="list-style-type: none"> ◆ Understand the construction, characteristics and operating process of air-cooled packaged air-conditioning systems ◆ Draw the component layout plans for air-cooled packaged air-conditioning systems ◆ Understand the construction, characteristics and operating process of water-cooled packaged air-conditioning systems ◆ Draw the component layout plans for water-cooled packaged air-conditioning systems ◆ Understand the relationship between the legionnaires' disease and cooling tower ◆ Understand the importance of repairing and maintaining packaged air-conditioning systems <p>6.2 Methods and procedures of basic repair and maintenance of packaged air-conditioning systems</p> <ul style="list-style-type: none"> ◆ Clean and wash the air filters, evaporators and scale of water-cooled packaged systems ◆ Clean and wash the air filters, evaporators and condensers of air-cooled packaged systems ◆ Check and adjust the fan belt pulley ◆ Clean and wash the refuse and sullage in the cooling tower ◆ Follow the instructions to perform basic repair and maintenance of water-cooled and air-cooled packaged air-conditioning system equipment <p>6.3 Professionalism in basic repair and maintenance of packaged air-conditioning systems</p> <ul style="list-style-type: none"> ◆ Follow the instructions to perform basic repair and maintenance of water-cooled and air-cooled packaged air-conditioning system equipment ◆ Understand the safety guidelines as required by the law and the code of practice to undertake the repair and maintenance of packaged air-conditioning systems

7. Assessment Criteria	The integrated outcome requirements of this unit of competency are: <ul style="list-style-type: none">(i) Capable to lean and wash the packaged air-conditioning system equipment; and(ii) Capable to follow the code of practice to undertake the repair and maintenance of packaged air-conditioning systems.
8. Remarks	This unit of competency is applicable to practitioners engaged in general repair and maintenance of packaged air-conditioning systems.