

1. Title	Perform basic repair and maintenance of water systems of central air-conditioning systems
2. Code	EMACOR209A
3. Range	Perform basic repair and maintenance of water systems of central air-conditioning system at central air-conditioning system machine rooms or air-conditioned areas under a certain degree of instruction.
4. Level	2
5. Credit	6
6. Competency	<p style="text-align: center;"><u>Performance Requirements</u></p> <p>6.1 Functions and construction of chilled water system of central air-conditioning systems</p> <ul style="list-style-type: none"> ◆ Understand the functions and importance of the water treatment equipment of chilled water system of central air-conditioning systems ◆ Understand the construction and principles of water treatment equipment of chilled water system of central air-conditioning systems ◆ Understand the methods of cleaning and washing chilled water system and condensing water system of central air-conditioning systems <p>6.2 Basic methods and procedures of repairing and maintaining water systems of central air-conditioning systems</p> <ul style="list-style-type: none"> ◆ Clean, wash and clear the pipings of chilled water system and condensing water system of central air-conditioning systems ◆ Perform basic repair and maintenance of fan coils and water pumps <p>6.3 Professionalism in basic repair and maintenance of water systems of central air-conditioning systems</p> <ul style="list-style-type: none"> ◆ Follow the instructions of the repair and maintenance manual to perform basic repair and maintenance of water systems of central air-conditioning systems ◆ Understand the safety guidelines as required by the law and the code of practice to undertake basic repair and maintenance of water systems of central air-conditioning systems
7. Assessment Criteria	<p>The integrated outcome requirements of this unit of competency are:</p> <p>(i) Capable to clean and wash simple water systems of central air-conditioning systems; and</p> <p>(ii) Capable to follow the code of practice to undertake basic repair and maintenance of water systems of central air-conditioning systems.</p>
8. Remarks	This unit of competency is applicable to practitioners engaged in general repair and maintenance of water systems of central air-conditioning systems.