

1. Title	Perform basic operation of central air-conditioning systems									
2. Code	EMACOR208A									
3. Range	Perform basic operation of central air-conditioning systems at central air-conditioning system machine rooms or air-conditioned areas under a certain degree of instruction.									
4. Level	2									
5. Credit	5									
6. Competency	<p style="text-align: center;"><u>Performance Requirements</u></p> <table border="0"> <tr> <td style="vertical-align: top;">6.1</td> <td style="vertical-align: top;">Functions and working principles of major equipment of central air-conditioning systems</td> <td style="vertical-align: top;"> <ul style="list-style-type: none"> ◆ Understand the functions of major equipment of central air-conditioning systems ◆ Understand the working principles of the major equipment of central air-conditioning systems </td> </tr> <tr> <td style="vertical-align: top;">6.2</td> <td style="vertical-align: top;">Basic methods and procedures of operating central air-conditioning systems</td> <td style="vertical-align: top;"> <ul style="list-style-type: none"> ◆ Perform pre-starting inspection for the central air-conditioning system ◆ Measure and adjust the operation parameters of the central air-conditioning system ◆ Carry out pre-starting preparations for the central air-conditioning system ◆ Start all central air-conditioning system equipment ◆ Shut down all central air-conditioning system equipment </td> </tr> <tr> <td style="vertical-align: top;">6.3</td> <td style="vertical-align: top;">Professionalism in basic operation of central air-conditioning systems</td> <td style="vertical-align: top;"> <ul style="list-style-type: none"> ◆ Follow the operational manual instructions to perform basic operation of the central air-conditioning system equipment ◆ Understand the safety guidelines as required by the law and the code of practice to undertake basic operation of central air-conditioning systems </td> </tr> </table>	6.1	Functions and working principles of major equipment of central air-conditioning systems	<ul style="list-style-type: none"> ◆ Understand the functions of major equipment of central air-conditioning systems ◆ Understand the working principles of the major equipment of central air-conditioning systems 	6.2	Basic methods and procedures of operating central air-conditioning systems	<ul style="list-style-type: none"> ◆ Perform pre-starting inspection for the central air-conditioning system ◆ Measure and adjust the operation parameters of the central air-conditioning system ◆ Carry out pre-starting preparations for the central air-conditioning system ◆ Start all central air-conditioning system equipment ◆ Shut down all central air-conditioning system equipment 	6.3	Professionalism in basic operation of central air-conditioning systems	<ul style="list-style-type: none"> ◆ Follow the operational manual instructions to perform basic operation of the central air-conditioning system equipment ◆ Understand the safety guidelines as required by the law and the code of practice to undertake basic operation of central air-conditioning systems
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7. Assessment Criteria	<p>The integrated outcome requirements of this unit of competency are:</p> <p>(i) Capable to start, operate and shut down the central air-conditioning systems; and</p> <p>(ii) Capable to follow the code of practice to undertake basic operation of central air-conditioning systems.</p>									
8. Remarks	This unit of competency is applicable to practitioners engaged in general operation, maintenance and repair of central air-conditioning systems.									