

1. Title	Perform basic repair and maintenance of refrigerators, freezers and display coolers
2. Code	EMACOR205A
3. Range	Perform basic repair and maintenance of refrigerators, freezers and display coolers with spare parts at servicing stations or work sites.
4. Level	2
5. Credit	5
6. Competency	<p style="text-align: center;"><u>Performance Requirements</u></p> <p>6.1 Functions, uses and construction of refrigerators, freezers and display coolers</p> <ul style="list-style-type: none"> ◆ Understand the functions of refrigerators, freezers and display coolers ◆ Understand the uses of refrigerators, freezers and display coolers ◆ Understand the construction of refrigerators, freezers and display coolers <p>6.2 Basic methods and procedures of repairing and maintaining refrigerators, freezers and display coolers</p> <ul style="list-style-type: none"> ◆ Clean and wash the condensers and evaporators of refrigerators, freezers and display coolers ◆ Use nitrogen to perform pressure leak check for the refrigeration system ◆ Vacuum the refrigeration system ◆ Charge the refrigeration system with correct amount of refrigerant ◆ Perform refrigerant leak test ◆ Disassemble and replace the compressors, evaporators, capillary tubes, drying filters, condensers and other accessories of refrigerators, freezers and display coolers <p>6.3 Professionalism in basic repair and maintenance of refrigerators, freezers and display coolers</p> <ul style="list-style-type: none"> ◆ Follow the manual instructions to perform basic repair and maintenance of refrigerators, freezers and display coolers ◆ Understand the safety guidelines as required by the law and the code of practice to undertake basic repair and maintenance of refrigerators, freezers and display coolers
7. Assessment Criteria	<p>The integrated outcome requirements of this unit of competency are:</p> <p>(i) Capable to disassemble and replace the compressors, evaporators and other accessories of refrigerators, freezers and display coolers; and</p> <p>(ii) Capable to follow the code of practice to undertake basic repair and maintenance of refrigerators, freezers and display coolers.</p>
8. Remarks	This unit of competency is applicable to practitioners engaged in general repair and maintenance of refrigerators, freezers and display coolers.