

1. Title	Repair and maintain refrigerators, freezers and display coolers
2. Code	EMACOR304A
3. Range	Perform repair and maintenance of refrigerators, freezers and display coolers with spare parts at servicing stations or work sites.
4. Level	3
5. Credit	9
6. Competency	<p style="text-align: center;"><u>Performance Requirements</u></p> <p>6.1 Working principles and repair and maintenance knowledge of refrigerators, freezers and display coolers</p> <ul style="list-style-type: none"> <li>◆ Understand the working principles of refrigerators, freezers and display coolers</li> <li>◆ Understand the knowledge of repairing refrigerators, freezers and display coolers</li> <li>◆ Understand the knowledge of maintaining refrigerators, freezers and display coolers</li> </ul> <p>6.2 Methods and procedures of repairing and maintaining refrigerators, freezers and display coolers</p> <ul style="list-style-type: none"> <li>◆ Repair the faults of the compressors of refrigerators, freezers and display coolers</li> <li>◆ Rectify leaks and obstruction in the evaporators, capillary tubes, drying filters and condensers of refrigerators, freezers and display coolers</li> <li>◆ Repair the faults of the temperature controllers, compressor starting relays and overload protectors of refrigerators, freezers and display coolers</li> <li>◆ Detect and repair the faults of the electrical control circuits of refrigerators, freezers and display coolers</li> <li>◆ Identify and repair the typical faults of refrigerators, freezers and display coolers, including: <ul style="list-style-type: none"> <li>• Conducting running tests</li> <li>• Repairing the faults caused by incorrect use</li> <li>• Identifying and repairing typical faults</li> </ul> </li> </ul> <p>6.3 Professionalism in repairing and maintaining refrigerators, freezers and display coolers</p> <ul style="list-style-type: none"> <li>◆ Perform repair and maintenance of refrigerators, freezers and display coolers independently according to the instructions of the manual</li> <li>◆ Understand the safety guidelines as required by the law and codes of practice and undertake tasks of repairing and maintaining refrigerators, freezers and display coolers</li> </ul>

<p>7. Assessment Criteria</p>	<p>The integrated outcome requirements of this unit of competency are:</p> <ul style="list-style-type: none"> <li>(i) Capable to identify the problems systematically and efficiently; to handle and repair faults so as to complete tasks of repairing and maintaining refrigerators, freezers and display coolers; and</li> <li>(ii) Capable to explain clearly to the clients the key points of operating, repairing and maintaining refrigerators, freezers and display coolers.</li> </ul>
<p>8. Remarks</p>	<p>The credit value of this unit of competency is set on the presumption that the person already possesses basic knowledge and skills of repairing and maintaining refrigerators, freezers and display coolers.</p>