

1. Title	Repair and maintain ice makers, beverage coolers and dehumidifiers
2. Code	EMACOR305A
3. Range	Perform repair and maintenance of ice makers, beverage coolers and dehumidifiers 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 ice makers, beverage coolers and dehumidifiers</p> <ul style="list-style-type: none"> ◆ Understand the working principles of ice makers, beverage coolers and dehumidifiers ◆ Understand the knowledge of repairing ice makers, beverage coolers and dehumidifiers ◆ Understand the knowledge of maintaining ice makers, beverage coolers and dehumidifiers <p>6.2 Methods and procedures of repairing and maintaining ice makers, beverage coolers and dehumidifiers</p> <ul style="list-style-type: none"> ◆ Repair the faults of the compressors of ice makers, beverage coolers and dehumidifiers ◆ Rectify leaks and obstruction in the evaporators, capillary tubes, drying filters and condensers of ice makers, beverage coolers and dehumidifiers ◆ Repair the faults of the temperature controllers, compressor starting relays and overload protectors of ice makers, beverage coolers and dehumidifiers ◆ Detect and repair the faults of the electrical control circuits of ice makers, beverage coolers and dehumidifiers ◆ Identify and repair the typical faults of ice makers, beverage coolers and dehumidifiers, including: <ul style="list-style-type: none"> • Conducting running tests • Repairing the faults caused by incorrect use • Identifying and repairing typical faults <p>6.3 Professionalism in repairing and maintaining ice makers, beverage coolers and dehumidifiers</p> <ul style="list-style-type: none"> ◆ Perform repair and maintenance of ice makers, beverage coolers and dehumidifiers independently according to the instructions of the manual ◆ Understand the safety guidelines as required by the law and codes of practice and undertake tasks of repairing and maintaining ice makers, beverage coolers and dehumidifiers

7. Assessment Criteria	<p>The integrated outcome requirements of this unit of competency are:</p> <ul style="list-style-type: none"> (i) Capable to identify the problems systematically and efficiently; to handle and repair faults so as to complete tasks of repairing and maintaining ice makers, beverage coolers and dehumidifiers; and (ii) Capable to explain clearly to the clients the key points of operating, repairing and maintaining ice makers, beverage coolers and dehumidifiers.
8. Remarks	<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 ice makers, beverage coolers and dehumidifiers.</p>