

1. Title	Repair and maintain ship auxiliary equipment
2. Code	EMSRRM204A
3. Range	Apply techniques and knowledge of ship auxiliary equipment repair and maintenance to clean, maintain and repair auxiliary equipment on board, at repair workshops, dockyard workshops or related work sites.
4. Level	2
5. Credit	8
6. Competency	<p style="text-align: center;"><u>Performance Requirements</u></p> <p>6.1 Basic knowledge of ship auxiliary equipment</p> <ul style="list-style-type: none"> ◆ Know about general ship auxiliary equipment <ul style="list-style-type: none"> • Generator set • Pump-in and pump-out system • Refrigerating and air-conditioning system • Heating and cooling system • Oil purifier (centrifugal machine and oil-water separator) • Waste water device • Incinerator • Heating and cooling system ◆ Know about the basic construction, installation arrangement and working principles of equipment (such as main bearing, speed reducing gear, motor, compressor, blower and fan) <p>6.2 Methods and procedures of repairing and maintaining ship auxiliary equipment</p> <ul style="list-style-type: none"> ◆ Assist in cleaning, disassembling , repairing and reinstalling ship auxiliary equipment according to instructions ◆ Use general repairing tools for ship auxiliary equipment effectively to perform procedures of adding and replacing oil and grease, lubricating oil and coolant <p>6.3 Professionalism in repairing and maintaining ship auxiliary equipment</p> <ul style="list-style-type: none"> ◆ Observe the components positions which are usually worn, burnt, torn, oxidized and corroded and give advice on repairs if necessary ◆ Identify the sections where failures usually occur and assist in implementing preventives against damage ◆ Describe the details of repairs and maintenance clearly
7. Assessment Criteria	<p>The integrated outcome requirements of this unit of competency are:</p> <p>(i) Capable to repair and maintain general ship auxiliary equipment; and</p> <p>(ii) Capable to select and use appropriate tools to perform relevant tasks according to the repair instructions.</p>
8. Remarks	The credit value of this unit of competency is set on the presumption that the person already possesses basic mechanical knowledge.