

1. Title	Aluminium alloy ship painting works									
2. Code	EMSRRM312A									
3. Range	Apply the knowledge of aluminium alloy hull surface treatment to implement aluminium alloy ship surface treatment procedures before painting the ship; coordinate with other teams to work on the aluminium alloy surface treatment projects and be responsible for the work quality of aluminium alloy surface treatment.									
4. Level	3									
5. Credit	3									
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;">Aluminum alloy surface treatment preparation before painting the ship</td> <td style="vertical-align: top;"> <ul style="list-style-type: none"> <li>◆ Remove oil stains on the aluminium alloy surface according to guidelines</li> <li>◆ Thoroughly clean the aluminium alloy surface with water</li> </ul> </td> </tr> <tr> <td style="vertical-align: top;">6.2</td> <td style="vertical-align: top;">Aluminum alloy surface treatment procedures before painting the ship</td> <td style="vertical-align: top;"> <ul style="list-style-type: none"> <li>◆ Perform aluminium alloy surface treatment by using acid to wash and erode the paints above waterline</li> <li>◆ Perform aluminium alloy surface treatment procedures below waterline with ultra high pressure water-jet</li> </ul> </td> </tr> <tr> <td style="vertical-align: top;">6.3</td> <td style="vertical-align: top;">Professionalism in aluminum alloy surface treatment before painting the ship</td> <td style="vertical-align: top;"> <ul style="list-style-type: none"> <li>◆ Know about the quality standards for aluminium alloy surface treatment such as: <ul style="list-style-type: none"> <li>• Paint supplier’s requirements</li> <li>• ISO or BS</li> </ul> </li> <li>◆ Perform inspection according to the quality standards for aluminium alloy surface treatment</li> </ul> </td> </tr> </table>	6.1	Aluminum alloy surface treatment preparation before painting the ship	<ul style="list-style-type: none"> <li>◆ Remove oil stains on the aluminium alloy surface according to guidelines</li> <li>◆ Thoroughly clean the aluminium alloy surface with water</li> </ul>	6.2	Aluminum alloy surface treatment procedures before painting the ship	<ul style="list-style-type: none"> <li>◆ Perform aluminium alloy surface treatment by using acid to wash and erode the paints above waterline</li> <li>◆ Perform aluminium alloy surface treatment procedures below waterline with ultra high pressure water-jet</li> </ul>	6.3	Professionalism in aluminum alloy surface treatment before painting the ship	<ul style="list-style-type: none"> <li>◆ Know about the quality standards for aluminium alloy surface treatment such as: <ul style="list-style-type: none"> <li>• Paint supplier’s requirements</li> <li>• ISO or BS</li> </ul> </li> <li>◆ Perform inspection according to the quality standards for aluminium alloy surface treatment</li> </ul>
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7. Assessment Criteria	<p>The integrated outcome requirements of this unit of competency are:</p> <p>(i) Capable to perform aluminum alloy surface treatment according to approved practice for painting work and relevant standards; and</p> <p>(ii) Capable to understand the quality standards and required techniques for aluminum alloy surface treatment.</p>									
8. Remarks	The credit value of this unit of competency is set on the presumption that the person already possesses basic knowledge of ship painting works (such as EMSRRM209A “Ship-painting works”).									