

1. Title	Apply computer aids to produce ship drawings
2. Code	EMSRDE202A
3. Range	Apply knowledge of computer-aided drawing to produce drawings related to ship-engineering design.
4. Level	2
5. Credit	3
6. Competency	<p style="text-align: center;"><u>Performance Requirements</u></p> <p>6.1 Operation principles of computer-aided drawing system</p> <ul style="list-style-type: none"> <li>◆ Understand the operation principles of computer-aided drawing system</li> </ul> <p>6.2 Methods and procedures of applying computer aids to produce ship drawings</p> <ul style="list-style-type: none"> <li>◆ Effectively use computer-aided drawing system to produce ship drawings, such as: <ul style="list-style-type: none"> <li>• Inboard profile plan</li> <li>• Fairing</li> </ul> </li> <li>◆ Systematically arrange the drawing information and steps of implementation, including: <ul style="list-style-type: none"> <li>• Setting the drawing environment</li> <li>• Drawing the image</li> <li>• Controlling the viewing perspective</li> <li>• Save the drawing in electronic file format</li> </ul> </li> </ul> <p>6.3 Professionalism in applying computer aids to produce ship drawings</p> <ul style="list-style-type: none"> <li>◆ Capable to apply computer-aided methods to make the ship model symmetrical and smooth</li> </ul>
7. Assessment Criteria	<p>The integrated outcome requirement of this unit of competency is:</p> <p>(i) Capable to draw 2D ship drawings with all kinds of projection angles, 3D component drawings including simple hull components and devices.</p>
8. Remarks	The credit value of this unit of competency is set on the presumption that the person already possesses basic computer knowledge.