

1. Title	Organize and arrange installation of marine automatic equipment
2. Code	EMSRIN404A
3. Range	Supervise the installation and assembly of electronic and control equipment for propulsion system, assist in formulating disassembly and installation procedures, lead groups to work and perform general tasks of frontline works management at shipyards when handling daily tasks related to installation and assembly of marine propulsion and control systems as well as electronic and automatic installations.
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5. Credit	3
6. Competency	<p style="text-align: center;"><u>Performance Requirements</u></p> <p>6.1 Marine electrical engineering, electronics, control principles and electrical equipment</p> <ul style="list-style-type: none"> <li>◆ Know about control engineering, instruments and principles of propulsion system</li> <li>◆ Understand the operation requirements for electronic and automatic control of propulsion system</li> <li>◆ Know about the technical standards of the performance of electronic and automatic control equipment</li> </ul> <p>6.2 Methods and procedures of supervising the installation and disassembly of electronic and automatic control equipment</p> <ul style="list-style-type: none"> <li>◆ Ensure in the arrangement of works that thorough consideration is given to the integration of electronic and control equipment for propulsion system, including circuit protection, wiring, feedback signal and normal working condition during works execution</li> <li>◆ Ensure that the activities of disassembly and installation are done according to plans meeting technical, conventional, safety and procedural standards</li> <li>◆ Identify the impact of the installation or disassembly on auxiliary devices and the system, and use surveying and calibration instruments for conducting the disassembly or installation properly</li> </ul> <p>6.3 Professionalism in supervising the installation and disassembly of electronic and automatic control equipment</p> <ul style="list-style-type: none"> <li>◆ Compare the working conditions of electronic and automatic control equipment for propulsion system and ensure that their performance meets manufacturer's indicators and installation manual requirements</li> <li>◆ Take actions according to approved procedures and the standards and limitations stated in manuals and make decisions on installation and disassembly</li> <li>◆ Organize installation and disassembly procedures and coordinate the efforts according to actual situations</li> </ul>

7. Assessment Criteria	<p>The integrated outcome requirements of this unit of competency are:</p> <ul style="list-style-type: none"> <li>(i) Capable to master the noting points for the disassembly, installation and works of electronic and automatic control equipment for propulsion system; and</li> <li>(ii) Capable to finish work arrangements, including leading groups to carry out assembly procedures correctly, applying tools and instruments, recording data and working to the prescribed standards for assembly.</li> </ul>
8. Remarks	<p>The credit value of this unit of competency is set on the presumption that the person already possesses the basic knowledge of electrical, electronic and control installations (such as EMSRIN303A “Install and disassemble marine electronic instruments”).</p>