

**SKILLS FRAMEWORK FOR SEA TRANSPORT  
TECHNICAL SKILLS AND COMPETENCIES (TSC) REFERENCE DOCUMENT**

<b>TSC Category</b>	Fleet Management					
<b>TSC</b>	Ship Repair Management					
<b>TSC Description</b>	Manage repair and maintenance operations on ship assets.					
<b>TSC Proficiency Description</b>	<b>Level 1</b>	<b>Level 2</b>	<b>Level 3</b>	<b>Level 4</b>	<b>Level 5</b>	<b>Level 6</b>
				<b>STP-FMT-4008-1.2</b>	<b>STP-FMT-5008-1.2</b>	
				Coordinate ship repair and maintenance works	Formulate plans and manage resources for ship repair and maintenance works	
<b>Knowledge</b>				<ul style="list-style-type: none"> <li>• Shipboard maintenance and repair requirements</li> <li>• Types of special requirements for maintenance</li> <li>• Maintenance resources and personnel</li> <li>• Project management techniques</li> <li>• Maintenance and repair documentation</li> <li>• Maintenance and repair of liquefied natural gas (LNG)-related equipment, hybrid and electrical engines</li> <li>• International Maritime Organisation (IMO) conventions and codes</li> <li>• Diagnostic techniques for carrying out shipboard machinery testing, troubleshooting and repair</li> <li>• Health, Safety, Security, Environment and Quality (HSSEQ) legislation and practices</li> </ul>	<ul style="list-style-type: none"> <li>• Shipboard maintenance and repair requirements</li> <li>• Types of special requirements for maintenance</li> <li>• Maintenance resources and personnel</li> <li>• Project management techniques</li> <li>• Maintenance and repair documentation</li> <li>• Maintenance and repair of liquefied natural gas (LNG)-related equipment, hybrid and electrical engines</li> <li>• International Maritime Organisation (IMO) conventions and codes</li> <li>• Diagnostic techniques for carrying out shipboard machinery testing, troubleshooting and repair</li> <li>• Health, Safety, Security, Environment and Quality (HSSEQ) legislation and practices</li> </ul>	
<b>Abilities</b>				<ul style="list-style-type: none"> <li>• Manage safe maintenance and repair</li> </ul>	<ul style="list-style-type: none"> <li>• Distinguish special maintenance requirements from routine requirements</li> </ul>	

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				<p>procedures using project management techniques</p> <ul style="list-style-type: none"> <li>• Assign maintenance resources to carry out maintenance and repair works</li> <li>• Plan access arrangements for shore-based contractors to carry out maintenance and repair works</li> <li>• Monitor completion of maintenance and repair work</li> <li>• Complete maintenance and repair documentation</li> </ul>	<p>Develop maintenance and repair plans and schedules</p> <ul style="list-style-type: none"> <li>• Develop procedures for safety checks</li> <li>• Ensure adequate supply of resources for maintenance</li> <li>• Propose mitigation measures for risks identified</li> <li>• Prepare contingency plans</li> <li>• Establish performance criteria for maintenance goals</li> <li>• Plan and prepare for classification and statutory machinery surveys</li> </ul>	
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