

<b>TSC Category</b>	Component Maintenance					
<b>TSC</b>	Aircraft Navigation and Radar Equipment Maintenance					
<b>TSC Description</b>	Maintain and repair aircraft navigation systems and radar equipment using appropriate resources and conduct functional checks.					
<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>AER-MAI-1081-1.1</b>	<b>AER-MAI-2081-1.1</b>				
	Perform maintenance and repair of aircraft navigation systems and radar equipment using appropriate tools, equipment, materials and methods	Identify appropriate resources and conduct functional checks for maintenance of aircraft navigation systems and radar equipment in accordance with applicable technical manuals and organisational procedures				
<b>Knowledge</b>	<ul style="list-style-type: none"> <li>Types of aircraft navigation systems</li> <li>Types of aircraft radar equipment</li> <li>Types of tools and equipment for testing and repair of aircraft navigation systems and radar equipment</li> <li>Maintenance documentation requirements</li> <li>Technical manuals and organisational standard operating procedures (SOPs)</li> <li>Workplace safety practices</li> </ul>	<ul style="list-style-type: none"> <li>Types and functions of aircraft navigation systems</li> <li>Types and functions of aircraft radar equipment</li> <li>Techniques for repair of aircraft navigation systems and radar equipment</li> <li>Functional testing of aircraft navigation systems and radar equipment</li> <li>Maintenance documentation requirements</li> <li>Technical manuals and organisational standard operating procedures (SOPs)</li> <li>Workplace safety practices</li> </ul>				
<b>Abilities</b>	<ul style="list-style-type: none"> <li>Check component serial and part numbers against job cards</li> <li>Conduct visual checks on components for discrepancies, defects or</li> </ul>	<ul style="list-style-type: none"> <li>Identify components and parts in aircraft navigation systems and radar equipment</li> <li>Check serviceability of components and route to</li> </ul>				

**SKILLS FRAMEWORK FOR AEROSPACE  
TECHNICAL SKILLS AND COMPETENCIES (TSC) REFERENCE**

	<p>damage and record all findings</p> <ul style="list-style-type: none"> <li>• Use appropriate tools and equipment to test and repair aircraft navigation systems and radar equipment</li> <li>• Perform repairs as per work instructions</li> <li>• Record test results</li> <li>• Adhere to technical manuals and SOPs</li> <li>• Observe and apply safety practices in the workplace</li> </ul>	<p>appropriate stations for action</p> <ul style="list-style-type: none"> <li>• Select appropriate tools and equipment for testing and repair of aircraft navigation systems and radar equipment</li> <li>• Ensure availability of approved and serviceable replacement parts</li> <li>• Conduct diagnostic tests</li> <li>• Report problems identified during servicing and repairs</li> <li>• Conduct tests and full functional checks to ensure components and parts are in working order</li> <li>• Ensure documentation is in accordance with regulatory requirements</li> <li>• Verify conformance to technical manuals and SOPs</li> <li>• Ensure safety practices are carried out in the workplace</li> </ul>				
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