

<b>TSC Category</b>	Engineering Construction, Operations and Maintenance					
<b>TSC</b>	Maintenance Scheduling					
<b>TSC Description</b>	Plan and manage maintenance schedules in accordance with the organisational standards and Original Equipment Manufacturer's recommendations					
<b>TSC Proficiency</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>EGS-MAI-3028-1.1-1</b>	<b>EGS-MAI-4028-1.1-1</b>	<b>EGS-MAI-5028-1.1-1</b>	
			Execute maintenance plans in accordance with maintenance regime requirements	Develop maintenance schedule and reprioritise resources in case of deviation to reduce resourcing down time	Formulate maintenance regime, achieve maintenance targets and align with organisation resource planning and allocation	
<b>Knowledge</b>			<ul style="list-style-type: none"> <li>Fundamental principles of maintenance management</li> <li>Planning and scheduling concepts</li> <li>Systems and components susceptibility to damage and associated requirement for maintenance frequency</li> <li>Resources required for maintenance</li> <li>Methods to upkeep maintenance database</li> <li>Original Equipment Manufacturer (OEM) recommendations for maintenance schedule</li> <li>Predictive and preventive maintenance concepts and methodologies</li> <li>Workplace Safety and Health (WSH) regulatory requirements related to inspection of equipment by authorised examiners</li> </ul>	<ul style="list-style-type: none"> <li>Fundamental principles of maintenance management and asset integrity</li> <li>Implications of failure trend analysis on assets, systems and facilities maintenance schedule</li> <li>Resource planning for maintenance</li> <li>Factors affecting equipment and system performances</li> <li>Methods of rescheduling maintenance activities</li> <li>Original Equipment Manufacturer (OEM) recommendations for maintenance schedule</li> <li>Work flows and work planning</li> <li>Equipment maintenance cycle times</li> </ul>	<ul style="list-style-type: none"> <li>System-wide assets operational performance and maintenance trends and data</li> <li>Statutory regulations and service level agreements</li> <li>Methods to conducting cost-benefit analysis maintenance policy changes</li> <li>Principles of failure management and operations optimisation</li> <li>Method of measuring maintenance performance and schedule compliance</li> <li>Man-hour estimating and wrench time principles</li> <li>Statistical data analysis, methods and techniques</li> </ul>	
<b>Abilities</b>			<ul style="list-style-type: none"> <li>Coordinate execution of maintenance work with internal and external stakeholders in accordance with</li> </ul>	<ul style="list-style-type: none"> <li>Develop resource plan in scheduling maintenance activities</li> </ul>	<ul style="list-style-type: none"> <li>Formulate maintenance scheduling plans based on system-wide trending data, statutory</li> </ul>	

			<p>maintenance plan and schedule</p> <ul style="list-style-type: none"> <li>• Ensure implementation of maintenance schedule of assets, systems and facilities according to system and component susceptibility to damage, associated requirement for maintenance frequency</li> <li>• Communicate with maintenance team on maintenance and inspection activities</li> <li>• Recommend inputs to maintenance planner on the maintenance regimes</li> <li>• Upkeep maintenance database to support data analytics</li> <li>• Contribute to the continuous improvement of planning and scheduling activities</li> </ul>	<ul style="list-style-type: none"> <li>• Undertake planning reviews and updates of maintenance schedules</li> <li>• Reprioritise resources to mitigate deviation from maintenance schedules</li> <li>• Forecast component and systems maintenance schedule based on failure trend analysis</li> <li>• Modify maintenance schedule according to factors affecting equipment and system performances</li> <li>• Produce planning and scheduling reports</li> </ul>	<p>regulations and service level agreements</p> <ul style="list-style-type: none"> <li>• Evaluate deviation to established maintenance schedule to mitigate critical maintenance requirement</li> <li>• Optimise maintenance scheduling plans based on principles of failure management and operations optimisation</li> <li>• Endorse maintenance plan and schedule</li> <li>• Evaluate planning and scheduling activities through cost benefit analysis to ensure optimal deployment of resource and manpower for maintenance work</li> </ul>	
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