<table>
<thead>
<tr>
<th>TSC Category</th>
<th>Maintenance Management</th>
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<tbody>
<tr>
<td>TSC</td>
<td>Asset Management</td>
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<tr>
<td>TSC Description</td>
<td>Formulate and implement the organisation’s asset management policies to optimise asset life-cycle and performance</td>
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<tr>
<th>TSC Proficiency Description</th>
<th>Level 1</th>
<th>Level 2</th>
<th>Level 3</th>
<th>Level 4</th>
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<th>Level 6</th>
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<td>PTP-MAI-3024-1.1</td>
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<tr>
<td>Implement organisation’s asset management procedures as part of maintenance and operational activities</td>
<td>Develop organisation’s asset management standards and processes targeted at enhancing maintenance and operational activities</td>
<td>Formulate organisation’s asset management strategy to ensure that maintenance and operational activities are aligned to organisation and regulatory requirements</td>
<td>Influence organisation’s approach on formulation of asset management strategy and operations</td>
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**Knowledge**

- Principles of asset integrity and management
- Principles of operation, performance and maintenance of engineering systems and equipment
- Methods of asset technical integrity analysis
- Methods of optimising maintenance, inspection and testing plans
- Asset management policy and implications of non-conformance
- Terminology used in asset management policy and requirements
- Original Equipment Manufacturer (OEM) warranties, recommendations and documentation
- Organisation’s asset integrity reports and documentation
- Concepts of asset management strategy for organisations
- Guiding principles for asset management system implementation
- Key performance indicators for asset management systems
- Internal and external factors impacting organisation’s asset management strategy
- Asset lifecycle analysis, design principles and practices
- Organisation’s asset integrity standards and audit procedures
- Regulatory frameworks and requirements of asset management
- Leading practices for asset management strategy and operations
- Relationship between organisation’s asset management strategy and maintenance operations
- Internal and external changes affecting assets, asset management or the asset management system and the impact on the organisation’s ability to achieve its asset management objectives
- Organisation’s asset integrity standards and audit procedures
- Asset management risk management processes and approach
- Regulatory frameworks and requirements of asset management

**Abilities**

- Interpret and operationalise organisational asset
- Develop organisation’s asset management standards and processes
- Formulate the organisation’s asset management strategy
- Establish a strategic asset management policies and objectives
### Management Standards and Processes as Part of Maintenance and Operations Activities

- Conduct asset integrity inspections on engineering systems and equipment
- Identify and report areas of non-conformance against the organisation's asset management policy
- Document asset management system information as determined by the organisation and/or regulators
- Generate asset integrity audit reports
- Contribute to continuous improvement activities associated with asset integrity management

### Management of Organisational Asset Management Activities

- Manage the implementation of organisational asset management activities
- Monitor and measure the occurrences of non-conformances against asset management standards as part of asset management audit process
- Review periodically the asset management standards and processes to identify areas for improvement
- Incorporate asset management standards and processes into the organisation's maintenance and operational activities

### Management of Organisational Asset Management Activities

- Communicate the importance of an asset management system for maintenance and operational activities to internal and external stakeholders
- Initiate periodic audit exercises to ensure that organisation's asset management system is aligned with organisation standards and industry's regulatory requirements
- Guide the formulation of organisation's asset management strategy
- Synergise insights gathered from industry best practices to establish asset management strategy
- Examine audited assessments of the assets ensuring that the approach used to manage risk in asset management is aligned with organisation's and regulatory requirements

### Management of Organisational Asset Management Activities

- Devise implementation roadmap for asset management system
- Formulate key performance criteria and methods to assess effectiveness of organisation's asset management system
- Determine corrective and preventive processes to rectify non-conformance areas in asset management framework
- Communicate the importance of an asset management system for maintenance and operational activities to internal and external stakeholders
- Guide the formulation of organisation's asset management strategy
- Synergise insights gathered from industry best practices to establish asset management strategy
- Examine audited assessments of the assets ensuring that the approach used to manage risk in asset management is aligned with organisation's and regulatory requirements

### Management of Organisational Asset Management Activities

- Integrate insights gathered from maintenance data to enhance the organisation's asset management maintenance regime and strategy
- Devise implementation roadmap for asset management system
- Formulate key performance criteria and methods to assess effectiveness of organisation's asset management system
- Determine corrective and preventive processes to rectify non-conformance areas in asset management framework
- Communicate the importance of an asset management system for maintenance and operational activities to internal and external stakeholders
- Guide the formulation of organisation's asset management strategy
- Synergise insights gathered from industry best practices to establish asset management strategy
- Examine audited assessments of the assets ensuring that the approach used to manage risk in asset management is aligned with organisation's and regulatory requirements