<table>
<thead>
<tr>
<th>TSC Category</th>
<th>Energy Management Operations</th>
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<tbody>
<tr>
<td>TSC</td>
<td>Gas Network Performance Monitoring Management</td>
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<tr>
<td>TSC Description</td>
<td>Manage network performance monitoring to facilitate renewal planning of network assets</td>
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<thead>
<tr>
<th>TSC Proficiency Description</th>
<th>Level 1</th>
<th>Level 2</th>
<th>Level 3</th>
<th>Level 4</th>
<th>Level 5</th>
<th>Level 6</th>
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<td>EPW-EMO-2009-1.1</td>
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<tr>
<td>Monitor gas network performance and key performance indicators</td>
<td>Analyse key performance indicators and failure rates of gas network assets for renewal planning</td>
<td>Review the priority of gas network assets for renewal planning</td>
<td>Manage gas network performance monitoring and network assets renewal planning</td>
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### Knowledge
- Relevant standards and Codes of Practice
- Performance monitoring regime of gas network systems
- Key performance indicator data of gas network systems
- Types of network incidents
- Condition assessment methods
- Systems engineering
- Performance monitoring and control of gas network systems
- Principles of predictive maintenance
- Condition monitoring
- Asset health indices
- Latest technologies and innovations
- Asset lifecycle strategies
- Strategies to optimise performance of gas network systems
- Asset health indices

### Abilities
- Conduct gas network performance monitoring
- Maintain database of network incidents
- Record key performance indices and failure rates for trend analyses
- Collate statistics and information for performance reports
- Conduct condition assessment to assess criticality of assets for replacement
- Implement network performance monitoring based on Key Performance Indicators (KPIs)
- Maintain database of KPIs
- Carry out analysis of KPIs and failure rates
- Prepare performance reports based on collated statistics and information
- Recommend inputs on priority of renewal for renewal planning of network assets
- Review processes and key performance indicators for network performance monitoring
- Direct and advise team on complex performance and failure analyses
- Review and vet performance reports and recommend performance improvement measures
- Provide technical advice on priority of renewal for renewal planning of network assets
- Determine maintenance performance standards for maintenance delivery
- Establish scope of asset replacement strategies and methodologies for renewal of assets
- Drive asset optimisation for performance and effectiveness
- Integrate new technologies to enhance performance monitoring and predictive maintenance of assets