<table>
<thead>
<tr>
<th>TSC Category</th>
<th>Maintenance Management</th>
</tr>
</thead>
<tbody>
<tr>
<td>TSC</td>
<td>Gas Receiving and Holder Operations and Maintenance</td>
</tr>
<tr>
<td>TSC Description</td>
<td>Operate and maintain gas receiving and gas holder stations and equipment</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-MAI-3036-1.1</td>
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<tr>
<td>Check gas station equipment and support other operations and maintenance activities within gas receiving stations and identify isolation points for decommissioning or repair works</td>
<td>Monitor gas station equipment within gas receiving stations, and determine isolation points for decommissioning or repair works</td>
<td>Lead the operations for and maintenance of gas station equipment in gas receiving and gas holder stations, and facilitate improvements to critical alarm grouping and action plans</td>
<td>Plan the operations for and maintenance of gas station equipment, and review policies and processes for enhancement</td>
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**Knowledge**

- Gas safety codes
- Gas receiving policies and procedures
- Gas pressure management principles
- Gas safety plan principles
- Standard gas receiving operating procedures
- Onshore receiving facility design principles
- Maintenance principles of gas receiving and holder equipment
- Gas pressure management methods
- Gas safety plan improvement methods
- Standard Operating Procedure improvement methods
- Onshore receiving facility equipment life cycles
- Equipment inspection methods
- Risk based inspection principles
- Reliability Centred Maintenance procedures
- Decommissioning and repair methods
- Engineering criticality assessment methods
- Isolation philosophy
- Key areas for risk assessment
- Integrity data management methods
- Lifecycle analysis, design principles and practices
- Asset integrity management methods
- Onshore receiving facility integrity framework development and implementation methods
- Methods of calculating returns on investment on the use of energy efficient methods and equipment

**Abilities**

- Support checks and operational monitoring on gas station equipment
- Participate in and provide feedback on critical alarm grouping and action plans
- Support contractors on operations and maintenance activities
- Conduct checks and operational monitoring on gas station equipment
- Identify areas of improvement for critical alarm grouping and action plans
- Identify and clearly define isolation points for decommissioning and repair works
- Manage checks and operational monitoring of gas station equipment
- Facilitate improvements to critical alarm grouping and action plans
- Prepare isolation philosophies for decommissioning and repair works
- Formulate policies and practices for checks and operational monitoring of gas station equipment
- Drive the implementation of critical alarm grouping and action plans
- Formulate isolation philosophies
- Lead contractors on operations and...
### SKILLS FRAMEWORK FOR ENERGY AND POWER

**TECHNICAL SKILLS AND COMPETENCIES (TSC) REFERENCE DOCUMENT**

| within gas receiving stations | decommissioning and repair works  
|                              | • Collaborate with contractors on operations and maintenance activities within gas receiving stations  
|                              | • Manage contractors on operations and maintenance activities within gas receiving stations  
|                              | • Provide feedback on maintenance processes, policies and plans for gas receiving and holder equipment  
| maintenance activities within gas receiving stations | • Devise maintenance processes, policies and plans for gas receiver and holder equipment  

### Range of Application

Range of application includes, but is not limited to:

- Galvanised and steel pipes
- Flow Control Systems
- Gas Filters
- Water Bath Heaters
- Pressure Regulators
- Gas Meters
- Odorant Injection Systems
- Gas Analysers
- Valves and Actuators
- Pressure and Temperature Transmitters
- Gas Leak Detectors
- Cathodic Protection Systems
- Gas Station Lightning Protection Systems
- Programmable Logic Controllers
- Supervisory Control and Data Acquisition (SCADA)
- Remote Terminal Units (RTU)
- Modbus
- Fittings
- Anode beds, galvanic anodes, and sacrificial anodes

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