## SKILLS FRAMEWORK FOR ENERGY AND POWER

### SKILLS MAP - NETWORK PLANNING AND STRATEGY TECHNICAL OFFICER

<table>
<thead>
<tr>
<th>Sector</th>
<th>Energy and Power</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sub-sector</td>
<td>Gas</td>
</tr>
<tr>
<td>Track</td>
<td>Gas Transmission and Distribution</td>
</tr>
<tr>
<td>Sub-track</td>
<td>Network Planning and Strategy</td>
</tr>
<tr>
<td>Occupation</td>
<td>Technical Officer</td>
</tr>
</tbody>
</table>

### Job Role Description

The Network Planning and Strategy Technical Officer contributes to network planning by preparing proposals on project feasibility based on his/her evaluation of the suitability of sites for the development of network infrastructure and accessibility of pipes and equipment. He also prepares the layout, schematics and long-term development plans for network and renewal projects. He collects data for the development of asset management policies and performs simulation modelling of gas networks to analyse their performance. He assists in projects on process improvement and innovation.

He works in a collaborative and intellectually-stimulating environment and occasionally goes outdoor along pipelines for site surveys.

He is a team player with good analytical and problem-solving skills to support the network planning and strategy team. He demonstrates good communication and interpersonal skills in working with others.

### Critical Work Functions and Key Tasks

#### Critical Work Functions

- Conduct gas network planning
- Conduct projects on process improvement
- Formulate gas network asset strategy

#### Key Tasks

- Prepare proposals on site suitability for network infrastructure development, accessibility of pipes and equipment, and overall project feasibility
- Prepare layouts, schematics and long-term development plan for network and renewal projects
- Assist in executing projects on process improvement and innovation
- Identify areas for improvement in daily operations
- Collect data for the development of asset management policies and plans
- Perform simulation modelling of gas networks to analyse performance

### Skills and Competencies

#### Technical Skills and Competencies

- Business Intelligence and Data Analytics: Level 2
- Business Stakeholder Management: Level 3
- Condition Monitoring: Level 2
- Continuous Improvement Management: Level 2
- Gas Network Performance Monitoring Management: Level 2
- Gas Network Planning: Level 2
- Network Monitoring and Control Management: Level 2
- Network System Planning and: Level 2
- Technical Report Writing: Level 2
- Technology and Systems Application: Level 2
- Trunk and Feeder Expansion Management: Level 2

#### Generic Skills and Competencies (Top 5)

- Sense Making: Intermediate
- Creative Thinking: Intermediate
- Problem Solving: Intermediate
- Decision Making: Intermediate
- Leadership: Basic

### Programme Listing

For a list of Training Programmes available for the Energy and Power sector, please visit: [www.skillsfuture.sg/skills-framework/energyandpower](http://www.skillsfuture.sg/skills-framework/energyandpower)

The information contained in this document serves as a guide.