<table>
<thead>
<tr>
<th>TSC Category</th>
<th>Solutioning and Programme Management</th>
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</thead>
<tbody>
<tr>
<td>TSC</td>
<td>Engineering Installation Design</td>
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<tr>
<td>TSC Description</td>
<td>Produce engineering plans for the installation and assembly of new products using a systematic approach to design. It also includes seeking endorsement from key stakeholders</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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<tbody>
<tr>
<td>LOG-SCL-3011-1.1</td>
<td>Implement engineering installation processes</td>
<td>Develop engineering installation designs based on systematic design approach</td>
<td>Formulate systematic approach to design engineering installation plans</td>
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**Knowledge**

- Techniques and tools in the installation and assembly of engineering products
- Performance assessment of engineering installation processes
- Troubleshooting of engineering installation processes
- Engineering installation design techniques, tools, and principles involved in the production of technical plans, blueprints, drawings, and models
- Computer-aided drafting and design (CAD) software
- Types of design solutions
- Engineering installation design approaches
- Components of technical performance
- Design codes of practice and design principles

**Abilities**

- Implement engineering installation plans and quality control measures to assemble products
- Maintain the performance of engineering installation processes
- Implement troubleshooting and necessary modifications to ensure functional use
- Develop engineering installation designs using systematic design approach to meet business requirements
- Develop build plans for the installation of engineering products
- Develop quality control measures for installation designs
- Review and refine designs of proposed engineering installation processes with key stakeholders
- Review the outcomes of engineering installation plans in accordance with key performance metrics and functional requirements
- Formulate a systematic approach to design engineering installation plans
- Formulate scope of technical design
- Lead project teams to design engineering plans, finalise designs, cost estimates and provide maintenance support for product installations
- Formulate key performance metrics to determine performance of engineering installation processes using formulated approaches
- Devise the best engineering installation design for endorsement by stakeholders