## Defect Density Monitoring

**TSC Description**
Monitor the manufacturing process defect density metrics and manage deviations as well as analyse defect density issues and recommend corrective actions.

<table>
<thead>
<tr>
<th>TSC Category</th>
<th>Manufacturing and Operations</th>
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<tbody>
<tr>
<td>TSC</td>
<td>Defect Density Monitoring</td>
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</table>

**TSC Proficiency Description**

<table>
<thead>
<tr>
<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>ELE-OPR-3001-1.1</td>
<td>ELE-OPR-4001-1.1</td>
<td>ELE-OPR-5001-1.1</td>
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**Knowledge**

- Types of defects
- Type of defect density metrics
- Defect density analysis techniques
- Problem solving techniques
- Types of defect density performance metrics
- Problem solving techniques

**Abilities**

- Determine functions of defect density monitoring and analysis in the manufacturing process
- Identify application of defect density monitoring in the manufacturing process
- Relate defect density information to the manufacturing process
- Determine follow-up action
- Identify defect density analysis techniques
- Apply defect density analysis techniques
- Analyse defect density issues
- Verify possible causes of deviations
- Determine follow-up actions required
- Analyse defect density information
- Select appropriate project that will improve defect density
- Define project scope of work and the number of hours based on business requirements
- Execute project in accordance with project plan
- Evaluate project effectiveness in accordance with project objectives
- Recommend follow up actions