## Quality Management

### TSC Category
**Failure Analysis**

### TSC Description
Examine the electrical and physical defects evidence to verify the causes of failure as well as identify the failure modes

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<tr>
<th>TSC Proficiency Description</th>
<th>Level 1</th>
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<td>Implement failure analysis to determine if defect is caused by electrical or physical failure</td>
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<td>Review failure analysis results and implement changes that limit and/or eliminate the causes of failure</td>
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<td>Initiate failure analysis projects to improve organisation’s objectives</td>
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### Knowledge
- Types of failure analysis techniques
- Failure analysis tools
- Types of failure analysis techniques
- Procedures for failure analysis techniques
- Failure analysis techniques
- Problem solving techniques

### Abilities
- Identify types of failure analysis techniques
- Select appropriate failure analysis techniques to perform analysis
- Review failure analysis results
- Determine follow-up action required
- Identify appropriate failure analysis techniques
- Perform failure analysis techniques
- Interpret failure analysis results
- Recommend follow-up actions required
- Select appropriate project that can help improve company’s objective in the context of failure analysis
- 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 in accordance with organisational requirements