## TSC Category
Engineering Construction, Operations and Maintenance

### TSC
Technical Inspection

### TSC Description
Execute formal inspection exercises to ensure quality, safety, and reliability adhering with technical specifications and compliance requirements

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<tr>
<th>TSC Proficiency Description</th>
<th>Level 1</th>
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<th>Level 6</th>
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<tr>
<td>Conduct technical inspections of material, equipment and systems according to work plan</td>
<td>Execute technical inspections of material, equipment, systems, and special category components</td>
<td>Develop technical inspection plans and procedures and review effectiveness</td>
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### Knowledge
- Methods of conducting basic technical inspections
- Types of tools and equipment required for inspection work
- Standard functional operation of components and systems
- Inspection plan
- Methods of conducting complex technical inspections
- Types of component and system faults
- Implications of technical faults
- Methods of mitigating technical faults
- Documentation and escalation procedures for technical inspections
- Methods of developing technical inspection procedures
- Methods of evaluating technical inspection procedures
- Methods of interpreting work orders
- International safety codes and quality standards

### Abilities
- Check inspection and test tools and equipment
- Check functional operation of components and systems to ensure adherence to quality and safety standards
- Inspect equipment for damages against quality and safety standards
- Verify inspection is completed according to inspection plan
- Determine inspection and test tools and equipment to be used
- Examine complex equipment to identify faults
- Identify components and systems that do not meet quality and safety standards
- Classify faults according to criticality and organise corrective measures
- Record faults using appropriate forms and documentation procedures
- Ensure work orders are completed effectively
- Report inspection result and necessary follow up to appropriate personnel
- Review work order and specifications to determine inspection requirements
- Confirm inspection procedures to be applied
- Review technical inspection procedures to ensure effectiveness