# Rail Operations: Track Access Management

## TSC Description
Monitor and facilitate track access with relevant security and protection measures at appropriate zones in accordance to organisational and regulatory requirements.

### TSC Proficiency Description

<table>
<thead>
<tr>
<th>TSC Proficiency Description</th>
<th>Level 1</th>
<th>Level 2</th>
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<tr>
<td></td>
<td>PTP-ROP-1004-1.1</td>
<td>PTP-ROP-2004-1.1</td>
<td>PTP-ROP-3004-1.1</td>
<td>PTP-ROP-4004-1.1</td>
<td>PTP-ROP-5004-1.1</td>
<td>PTP-ROP-6004-1.1</td>
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<tr>
<td>Carry out track access duties with relevant security and protection measures</td>
<td>Facilitate track access with relevant security and protection measures</td>
<td>Implement and monitor track access activities in accordance with track access schedules and procedures</td>
<td>Review track access schedules and ad-hoc requests to determine track access priorities</td>
<td>Formulate and optimise track access plans and track access rules and procedures</td>
<td>Formulate strategies for safe and efficient track access management</td>
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### Knowledge
- Responsibilities of track access security and protection officer-in-charge
- Definitions of terminologies related to track access
- Rules and procedures of track access security and protection measures
- Security and protection equipment maintenance logs
- Operating methods and techniques of track access security and protection equipment
- Track clearance procedures for safe train passage
- Railway track areas
- Track access rules and procedures
- Common hazards and risks in track access activities
- Classification of tracks
- Rules and procedures of track access security and protection measures
- Types and characteristics of track access security and protection methods
- Concept of selection methods on track access security and protection methods
- Maintenance of security and protection equipment
- Track access restrictions
- Types of hand-signal tools
- Criteria for prioritising track access
- Track access recording methods
- Maintenance schedule for security and protection equipment
- Rules and procedures governing track access and procession
- Track access scheduling optimisation modelling
- Principle requirements for effective prioritisation, planning and managing of track access
- International track access standards
- Overall train operations procedures
- Signalling procedures

### Abilities
- Assist in preparing track access security and protection measures
- Apply knowledge of different types of track access in preparing track
- Implement track access process in accordance with scheduled zonal
- Review conflicts in track access requests to prioritise track access schedule
- Formulate optimisation plans to increase effectiveness of track access scheduling
- Synergise strategies for safe track access management
<table>
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<tr>
<th>SKILLS FRAMEWORK FOR PUBLIC TRANSPORT</th>
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<tr>
<td>TECHNICAL SKILLS AND COMPETENCIES (TSC) REFERENCE DOCUMENT</td>
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</table>

- Check for safety of designated areas when providing track access
- Assist in implementing rules and procedures of track access security and protection measures
- Report the completion of track access security and protection measures
- Clear tracks for safe train passage after completion of track access

- Access security and protection measures
- Support the rules and procedures of track access security and protection measures
- Interpret track access schedule to identify potential conflicts in track access requests
- Apply hand signals according to organisational operating procedures

- Allocation, security and protection measures
- Verify the completion of track access security and protection measures
- Monitor track access activities including equipment and personnel movement
- Document track access activities
- Coordinate emergency track access
- Implement traction power protection procedures according to organisational operating procedures

- Assess track access requirement by different stakeholders
- Monitor the adherence of track access security and protection procedures
- Facilitate the switching of traction power for main lines and/or depots

- Guide implementation of rules and procedures governing track access
- Develop prioritisation criteria for conflicted track access request and requirement

- Benchmark the efficiency of track access activities against international standards
- Influence rules and procedures of track access security and protection measures
- Evaluate and approve track access requests that impact train service