<table>
<thead>
<tr>
<th>TSC Category</th>
<th>Rail Systems Maintenance</th>
</tr>
</thead>
<tbody>
<tr>
<td>TSC</td>
<td>Rolling Stock Car Body Maintenance</td>
</tr>
<tr>
<td>TSC Description</td>
<td>Implement preventive and corrective maintenance activities of rolling stock car body</td>
</tr>
</tbody>
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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>PTP-RSM-1030-1.1</td>
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<td>Troubleshoot faulty rolling stock car body components to locate faults and recommend rectification methods</td>
<td>Diagnose root causes of rolling stock car body failure and review maintenance plans to prevent fault recurrence</td>
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| Knowledge | | | | | | |
|-----------|-------------------------------|-------------------------------|-------------------------------|-------------------------------|-------------------------------|
|           | Carry out scheduled preventive maintenance on rolling stock car body | Conduct corrective maintenance on rolling stock car body | Troubleshoot faulty rolling stock car body components to locate faults and recommend rectification methods | Diagnose root causes of rolling stock car body failure and review maintenance plans to prevent fault recurrence | | |
|           | Operating principles, functions and features of rolling stock car body components and parts | Operating principles, functions and features of rolling stock car body components and parts | Operating principles, functions and features of rolling stock car body components and parts | Operating principles, functions and features of rolling stock car body components and parts | Operating principles, functions and features of rolling stock car body components and parts | |
|           | Components and parts of rolling stock car body that includes: | Components and parts of rolling stock car body that includes: | Components and parts of rolling stock car body that includes: | Components and parts of rolling stock car body that includes: | Components and parts of rolling stock car body that includes: | |
|           | Gangways | Door control systems | Coupler | Car body shell | Windows | Seats, grab poles and hand straps | Floor panes | Procedures to service and maintain rolling stock car body components and parts in accordance to organisational maintenance procedures, Work Instructions (WI) and/or Original Equipment Manufacturer (OEM) technical manuals | Types and usage of tools and equipment for carrying out preventive maintenance on rolling stock car body components and parts | Factors affecting rolling stock car body components and parts performance | Factors affecting rolling stock car body components and parts performance | Factors affecting rolling stock car body components and parts performance | Factors affecting rolling stock car body components and parts performance | Factors affecting rolling stock car body components and parts performance | |
|           | Common wears and failures of rolling stock car body components and parts | Procedures for conducting system performance checks and identifying faults on rolling stock car body components and parts | Procedures for conducting system performance checks and identifying faults on rolling stock car body components and parts | Procedures for conducting system performance checks and identifying faults on rolling stock car body components and parts | Procedures for conducting system performance checks and identifying faults on rolling stock car body components and parts | |
|           | Methods of locating and rectifying faults | Types and usage of troubleshooting techniques, equipment and tools | Safety guidelines for usage of tools and equipment to execute troubleshooting on rolling stock car body components and parts | | | |
|           | Types and usage of tools and equipment for carrying out preventive maintenance on rolling stock car body components and parts | | | | | |
|           | Functional relationships between rolling stock car body, other rolling stock systems, plant equipment and the overall rail systems | | | | | |

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| Safety guidelines on the use of tools and equipment for preventive maintenance on rolling stock car body | • Types and usage of tools and equipment for carrying out corrective maintenance  
• Safety guidelines on use of tools and equipment for corrective maintenance on rolling stock car body  
• Types and usage of Personal Protective Equipment (PPE) for rolling stock car body maintenance  
• Organisational maintenance documentation and fault reporting procedures  
• Organisational maintenance documentation and fault reporting procedures | Use troubleshooting tools, equipment and methods to locate and analyse causes of faults on rolling stock car body component and parts  
• Recommend corrective actions for identified faults on rolling stock car body components and parts  
• Implement procedures on safe usage of tools and equipment during maintenance work  
• Analyse maintenance work documented for rolling stock car body to identify possible workflow improvements so as to prevent fault recurrence  
• Establish structured failure investigation and specify functional testing requirements  
• Apply failure investigation methods to diagnose root cause failure of rolling stock car body and components  
• Review organisational rolling stock car body maintenance procedures  
• Propose new and/or enhanced maintenance procedures and/or WI in reference to OEM recommendations  
• Monitor overall maintenance progress of rolling stock car body to ascertain effectiveness of maintenance procedures  
• Develop solutions by analysing diagnostic data to prevent faults and failures recurrence  

| Types and usage of Personal Protective Equipment (PPE) for rolling stock car body maintenance | • Organisational maintenance documentation and fault reporting procedures  
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• Propose new and/or enhanced maintenance procedures and/or WI in reference to OEM recommendations  
• Monitor overall maintenance progress of rolling stock car body to ascertain effectiveness of maintenance procedures  
• Develop solutions by analysing diagnostic data to prevent faults and failures recurrence |
| stock car body maintenance work | • Develop troubleshooting, rectification and fault analysis methods  
• Develop test procedures for system performance checks  
• Coordinate rolling stock car body maintenance with other RTS maintenance needs |