<table>
<thead>
<tr>
<th>TSC Category</th>
<th>Automotive Maintenance</th>
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<tbody>
<tr>
<td>TSC</td>
<td>Bus Drivetrain Systems Maintenance</td>
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<tr>
<td>TSC Description</td>
<td>Implement corrective and preventive maintenance of bus drivetrain systems</td>
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<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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<tr>
<td></td>
<td>PTP-AMT-1004-1.1</td>
<td>PTP-AMT-2004-1.1</td>
<td>PTP-AMT-3004-1.1</td>
<td>PTP-AMT-4004-1.1</td>
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<tr>
<td>Carry out scheduled preventive maintenance and serviceability checks on bus drivetrain systems</td>
<td>Conduct corrective maintenance on bus drivetrain systems</td>
<td>Troubleshoot faulty bus drivetrain systems to locate faults and recommend rectification methods</td>
<td>Diagnose root causes of recurring faults on bus drivetrain systems to resolve systemic failures</td>
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**Knowledge**

- System layout and operating functions of bus drivetrain systems
- Types of components and parts of bus drivetrain systems
- Procedures for preventive maintenance on bus drivetrain systems in accordance to organisational procedures, Work Instructions (WI) and/or Original Equipment Manufacturer (OEM) technical manuals
- Procedures for inspection and serviceability checks on bus drivetrain systems
- Types of maintenance supplies, spare parts and consumables for bus drivetrain systems maintenance
- Types and safe usage of tools and equipment for performing preventive maintenance work
- Types and usage of Personal Protective Equipment (PPE)
- Organisational maintenance

- System layout and operating functions of bus drivetrain systems
- Types of components and parts of bus drivetrain systems
- Types of faults of bus drivetrain systems
- Procedures and methods to disassemble, repair and/or replace faulty bus drivetrain sub-systems, components and parts
- Functional test procedures on bus drivetrain systems
- Types of maintenance supplies, spare parts and consumables for bus drivetrain systems maintenance
- Types and safe usage of tools and equipment for performing corrective maintenance work
- Types and usage of Personal Protective Equipment (PPE)
- Organisational maintenance documentation and fault reporting procedures

- Operating principles of bus drivetrain systems
- Types of troubleshooting and rectification techniques for bus drivetrain systems maintenance
- Types of fault identification methods for bus drivetrain systems
- Signs of defective or degenerated components and parts within bus drivetrain systems
- Safety guidelines on usage of tools and equipment to troubleshoot bus drivetrain systems

- Operating principles of bus drivetrain systems
- Types and causes of systemic failures on bus drivetrain systems
- Types of failure investigation and prevention methods
- Types of diagnostic tools and equipment
- Diagnostic procedures for bus drivetrain systems and components
- Organisational maintenance procedures, Work Instructions (WI) and/or Original Equipment Manufacturer (OEM) technical recommendations
- Methods to develop maintenance WI
| Abilities                                                                 | • Prepare tools, equipment, materials and checklists required for preventive maintenance tasks | • Interpret work orders to determine corrective maintenance tasks | • Implement troubleshooting procedures to investigate causes of faults in bus drivetrain systems | • Establish failure investigation and specify functional testing requirements |
| • Carry out scheduled preventive maintenance tasks on bus drivetrain systems according to organisation procedures, WI and/or OEM technical manuals | • Coordinate the preparation of resources required for corrective maintenance activities | • Recommend corrective actions to defects identified on bus drivetrain systems | • Perform fault analysis to address systemic failures on bus drivetrain systems |
| • Inspect the condition and serviceability of bus drivetrain systems | • Recognise defective components and parts on bus drivetrain sub-systems for corrective maintenance work | • Implement procedures on safe usage of tools and equipment during maintenance work | • Review data gathered from diagnostic procedures to recommend rectification solutions for recurring faults identified on bus drivetrain systems |
| • Follow organisation procedures, WI and/or OEM technical manual instructions on safe handling of tools and equipment during maintenance work | • Disassemble bus drivetrain systems for corrective maintenance | • Analyse maintenance activities documented for bus drivetrain systems to identify maintenance workflow improvements | • Analyse performance of bus drivetrain systems to evaluate effectiveness of recommended rectification solutions |
| • Document maintenance activities performed on bus drivetrain systems | • Carry out repair and/or replacement of faulty components and parts | • Analyse performance of bus drivetrain systems to evaluate effectiveness of recommended rectification solutions | • Review corrective and preventive maintenance regime of bus drivetrain systems to ascertain effectiveness of maintenance procedures |
| • Report occurrences of faults and defects identified | • Reassemble and reinstate bus drivetrain systems | • Analyse performance of bus drivetrain systems to evaluate effectiveness of recommended rectification solutions | • Propose new and/or enhanced bus drivetrain systems maintenance WI by in reference to OEM technical recommendations |

Documentation and fault reporting procedures

- Prepare tools, equipment, materials and checklists required for preventive maintenance tasks
- Carry out scheduled preventive maintenance tasks on bus drivetrain systems according to organisation procedures, WI and/or OEM technical manuals
- Inspect the condition and serviceability of bus drivetrain systems
- Follow organisation procedures, WI and/or OEM technical manual instructions on safe handling of tools and equipment during maintenance work
- Document maintenance activities performed on bus drivetrain systems
- Report occurrences of faults and defects identified

Interpret work orders to determine corrective maintenance tasks

- Coordinate the preparation of resources required for corrective maintenance activities
- Recognise defective components and parts on bus drivetrain sub-systems for corrective maintenance work
- Disassemble bus drivetrain systems for corrective maintenance
- Carry out repair and/or replacement of faulty components and parts
- Reassemble and reinstate bus drivetrain systems
- Perform functionality tests on bus drivetrain systems
- Apply operating and safety measures during maintenance work
- Collate and document maintenance activities performed on bus drivetrain systems
- Establish failure investigation and specify functional testing requirements
- Implement troubleshooting procedures to investigate causes of faults in bus drivetrain systems
- Recommend corrective actions to defects identified on bus drivetrain systems
- Implement procedures on safe usage of tools and equipment during maintenance work
- Analyse maintenance activities documented for bus drivetrain systems to identify maintenance workflow improvements
- Analyse performance of bus drivetrain systems to evaluate effectiveness of recommended rectification solutions
- Review corrective and preventive maintenance regime of bus drivetrain systems to ascertain effectiveness of maintenance procedures
- Propose new and/or enhanced bus drivetrain systems maintenance WI by in reference to OEM technical recommendations