

| PROJECT         | CUSTOMER | TRAIN     |
|-----------------|----------|-----------|
| Xtrapolis-PRASA | PRASA    | 270 – TFS |

RTR Train Functional Static Testing TS270 Report  
GIB0000007854



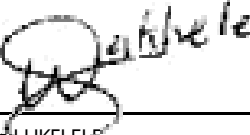
|           | CREATED             | VERIFIED       | APPROVED        | DISTRIBUTION                                                                                                                                                        |
|-----------|---------------------|----------------|-----------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Name      | Kealeboga MOCWAGOLE | Sifiso LUKHELE | Kgomotso NKOANA | Confidentiality Category<br><i>Restricted</i> <i>Project</i> <i>Normal</i><br><input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> |
| Date      | 27/02/2025          | 27/02/2025     | 27/02/2025      | Control Category<br><i>Controlled</i> <i>Not Controlled</i><br><input checked="" type="checkbox"/> <input type="checkbox"/>                                         |
| Signature |                     |                |                 | Language<br><b>EN</b>                                                                                                                                               |

This report has been automatically generated from TES version 1

## Table of modifications

| Rev | Date       | Modifications Content | Writer              |
|-----|------------|-----------------------|---------------------|
| A0  | 27/02/2025 | Creation              | Kealeboga MOCWAGOLE |

## Internal validations

|                 | Name                | Function            | Date       | Signature                                                                                                                       |
|-----------------|---------------------|---------------------|------------|---------------------------------------------------------------------------------------------------------------------------------|
| <b>Creator</b>  | Kealeboga MOCWAGOLE | EPU Manager         | 27/02/2025 | X <br>Kealeboga MOCWAGOLE<br>EPU Manager     |
| <b>Verifier</b> | Sifiso LUKHELE      | Serial Test Manager | 27/02/2025 | X <br>Sifiso LUKHELE<br>Serial Test Manager |
| <b>Approver</b> | Kgomotso NKOANA     | Test Expert         | 27/02/2025 | X <br>Kgomotso NKOANA<br>Test Expert       |

## Execution Plan

|                   |            |
|-------------------|------------|
| <b>Start Date</b> | 22/02/2025 |
| <b>End Date</b>   | 22/02/2025 |

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## Section 1 – Purpose / Objectives

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1. NRG - The purpose of this test is to ensure that all high voltage cables and equipment are connected correctly.
2. NET - The purpose of this test is to verify the connection of the Ethernet wiring for the TCMS and Pacis network loop.
3. NRG 110 - The purpose of this test is to verify the presence of 110V DC permanent power on the train and the activation on the cab on both TC1 and TC2
4. MCB - The purpose of this test is to verify the correct operation of the High-Speed Circuit Breaker.
5. NRG 400 - The purpose of this test is to ensure the correct operation of all equipment supplied by 400V AC.
6. CAB - The purpose of this test is to verify to correct operation of each cabin.
7. INT - The purpose of this test is to verify the correct operation of the Emergency lighting and normal lighting in the train.
8. PNT - The purpose of this test is to verify the operation of the pantographs and air supply.
9. AIR - The purpose of this test is to verify the compressor operation on the train as well as to determine any leaks in the main piping system.
10. MCB - The purpose of this test is to ensure that all the safety circuit breakers are closed and they are properly monitored through the TCMS software
11. HVAC - The purpose of this test is to verify the Heating, cooling and ventilation of each car. The correct temperature response is verified.
12. DRC - The purpose of this test is to verify the correct driving operation modes and commands.
13. PBK - The purpose of this test is to verify the correct operation of both the manual and remote parking brake.
14. SBK - The purpose of this test is to verify the correct operation of the service brake system. This system integrates the mechanical and electrical braking together. Both must be fully operational.
15. EBK - The purpose of this test is to verify the correct operation of the mechanical braking system.
16. FSD - The purpose of this test is to verify the correct operation of the fire detection system.

## Section 2 – High Voltage Distribution

### 2.1 Instructions list

#### 2.1.1 010\_NRG-High Voltage Distribution

I - Information      A - Action      R - Result      NE - Not Executed

| N°    | Type | Instruction                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | File | Result status | Result value | Operator                                  | Vehicle |
|-------|------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|---------------|--------------|-------------------------------------------|---------|
| 10001 | I    | Check the power lines, Non-earthed key                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |      | OK            |              | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train   |
| 10002 | I    | <p>For the following tests, the train should not have the presence of high voltage "3KV"</p> <p>For the following tests, the earthing switch of 10A11 boxes must be out of ground position</p> <p>Make sure all power lines not suffer attrition with the rail infrastructure, terminals, resistance and pantographs are fixed with proper torque and there is no tool or material on the roof of the train.</p> <p>At Depot, when it is necessary to access the train roof, person who is responsible for the activity should apply working knowledge in height with appropriate equipment.</p> <p>If there is any change to the train or it's environment this check becomes invalid. Please be sure that the check on the train status is done before reconnecting it.</p> |      | OK            |              | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train   |
| 10003 | A    | Apply LOTO procedure on the High Voltage Catenary before commencing with the procedure.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |      | OK            |              | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train   |
| 10004 | I    | High Voltage Line Continuity Check                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |      | OK            |              | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train   |
| 10005 | A    | Check continuity of the following cables using a long wire, do not short any point to ground.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |      | OK            |              | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train   |



|       |   |                                                                                                                                                        |  |    |  |                                           |       |
|-------|---|--------------------------------------------------------------------------------------------------------------------------------------------------------|--|----|--|-------------------------------------------|-------|
| 10006 | A | On TC1 car, from Converter Auxiliary Connector 18XT11 point HV+ cable (#1UP-W_1) to M4 car Propulsion Box Connector 10XT12 point TR1 cable (#1UG-UK_3) |  | OK |  | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10007 | R | There is continuity. Cables are visually connected, and bolts are torqued.                                                                             |  | OK |  | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10008 | A | On M4 car, from Propulsion Box Connector 10XT12 point TR1 cable (#1UG-UK_3) to M1 car High Voltage Box Connector 10XT11_HT1 point 3 cable (#1UM-V_2)   |  | OK |  | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10009 | R | There is continuity. Cables are visually connected, and bolts are torqued.                                                                             |  | OK |  | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10010 | A | On M1 car, from Propulsion Box Connector 10XT12 point TR1 cable (#1UG-UK_2) to High Voltage Box Connector 10XT11_HT2 point 1 cable (#1UK-UM_1)         |  | OK |  | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10011 | R | There is continuity. Cables are visually connected, and bolts are torqued.                                                                             |  | OK |  | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10012 | A | On M1 car, from Propulsion Box Connector 10XT12 point TR1 cable (#1UG-UK_2) to any Ground Wire                                                         |  | OK |  | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10013 | R | There is NO continuity.                                                                                                                                |  | OK |  | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10014 | A | On M2 car, from Propulsion Box Connector 10XT12 point TR1 cable (#1UG-UK_2) to High Voltage Box Connector 10XT11_HT2 point 1 cable (#1UK-UM_1)         |  | OK |  | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10015 | R | There is continuity. Cables are visually connected, and bolts are torqued.                                                                             |  | OK |  | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10016 | A | On M2 car, from Propulsion Box Connector 10XT12 point TR1 cable (#1UG-UK_2) to any Ground Wire                                                         |  | OK |  | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10017 | R | There is NO continuity.                                                                                                                                |  | OK |  | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10018 | A | On M2 car, from High Voltage Box Connector 10XT11_HT1 point 3 cable (#1UM-V_2) to M3 car Propulsion Box Connector 10XT12 point TR1 cable (#1UG-UK_3)   |  | OK |  | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |

|       |   |                                                                                                                                                        |  |    |  |                                           |       |
|-------|---|--------------------------------------------------------------------------------------------------------------------------------------------------------|--|----|--|-------------------------------------------|-------|
| 10019 | R | There is continuity. Cables are visually connected, and bolts are torqued.                                                                             |  | OK |  | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10020 | A | On M3 car, From Propulsion Box Connector 10XT12 point TR1 cable (#1UG-UK_3) to TC2 car Converter Auxiliary Connector 18XT11 point HV+ cable (#1UP-W_1) |  | OK |  | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10021 | R | There is continuity. Cables are visually connected, and bolts are torqued.                                                                             |  | OK |  | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10022 | A | Put back all the removed covers and tighten                                                                                                            |  | OK |  | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10023 | R | All covers are back and normalized                                                                                                                     |  | OK |  | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10024 | I | End of Test                                                                                                                                            |  | OK |  | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |

## Section 3 – Energy Distribution 110V

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### 3.1 Instructions list

### 3.1.1 015\_NRG-Energy Distribution 110V

I - Information      A - Action      R - Result      NE - Not Executed

| N°    | Type | Instruction                                                                                                                                                                                                                | File                                                                                | Result status | Result value | Operator                                     | Vehicle |
|-------|------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|---------------|--------------|----------------------------------------------|---------|
| 10001 | I    | Energy Distribution 110V DC=SPP 015                                                                                                                                                                                        |                                                                                     | OK            |              | Siphesihle Mchunu<br>491465<br>22.02.2025    | Train   |
| 10002 | I    | Initial Conditions                                                                                                                                                                                                         |                                                                                     | OK            |              | Siphesihle Mchunu<br>491465<br>22.02.2025    | Train   |
| 10003 | I    | Train powered in normal mode with only battery power                                                                                                                                                                       |                                                                                     | OK            |              | Siphesihle Mchunu<br>491465<br>22.02.2025    | Train   |
| 10004 | A    | Activate Cab on TC1                                                                                                                                                                                                        |                                                                                     | OK            |              | Siphesihle Mchunu<br>491465<br>22.02.2025    | Train   |
| 10005 | A    | Close the battery contactor 18S1                                                                                                                                                                                           |                                                                                     | OK            |              | Siphesihle Mchunu<br>491465<br>22.02.2025    | Train   |
| 10006 | A    | Check on the DDU that all devices on TCMS network are in black colour i.e. successfully initialized                                                                                                                        |                                                                                     | OK            |              | Siphesihle Mchunu<br>491465<br>22.02.2025    | Train   |
| 10007 | R    | After few minutes, the TCMS has successfully initialized on the DDU screen                                                                                                                                                 |                                                                                     | OK            |              | Siphesihle Mchunu<br>491465<br>22.02.2025    | Train   |
| 10008 | A    | Check on the DDU that all devices on TCMS network are in black colour i.e. successfully initialized                                                                                                                        |  | OK            |              | Siphesihle Mchunu<br>491465<br>22.02.2025    | Train   |
| 10009 | R    | The Battery Voltage on the Voltage line module is 110V                                                                                                                                                                     |                                                                                     | OK            |              | Siphesihle Mchunu<br>491465<br>22.02.2025    | Train   |
| 10010 | R    | On the Driver Screen, the battery voltage is the same as in the line module (110V)                                                                                                                                         |                                                                                     | OK            |              | Siphesihle Mchunu<br>491465<br>22.02.2025    | Train   |
| 10011 | I    | Parameter Update                                                                                                                                                                                                           |                                                                                     | OK            |              | Siphesihle Mchunu<br>491465<br>22.02.2025    | Train   |
| 10012 | A    | Perform the following procedure to update the Energy saving parameters                                                                                                                                                     |  | OK            |              | Kealeboga Mochwagole<br>411330<br>05.03.2025 | Train   |
| 10013 | I    | CVS Firmware Update/SW Update                                                                                                                                                                                              |  | OK            |              | Kealeboga Mochwagole<br>411330<br>05.03.2025 | Train   |
| 10014 | I    | When upgrading the software version ensure that both CVSs are online, and a train does not switch OFF and battery voltage should at least be 97V. Follow the instructions on the attachment for the upgrade in TC1 and TC2 |  | OK            |              | Siphesihle Mchunu<br>491465<br>25.02.2025    | Train   |

|       |   |                                                                                                |  |    |  |                                           |       |
|-------|---|------------------------------------------------------------------------------------------------|--|----|--|-------------------------------------------|-------|
| 10015 | I | Power supply check for Equipment on Permanent line                                             |  | OK |  | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10016 | R | The emergency Lighting is ON in TC1 saloon, left and right side in low brightness              |  | OK |  | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10017 | R | The emergency Lighting is ON in M4 saloon, left and right side in low brightness               |  | OK |  | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10018 | R | The emergency Lighting is ON in M1 saloon, left and right side in low brightness               |  | OK |  | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10019 | R | The emergency Lighting is ON in M2 saloon, left and right side in low brightness               |  | OK |  | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10020 | R | The emergency Lighting is ON in M3 saloon, left and right side in low brightness               |  | OK |  | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10021 | R | The emergency Lighting is ON in TC2 saloon, left and right side in low brightness              |  | OK |  | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10022 | A | Remove active cab on TC1                                                                       |  | OK |  | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10023 | I | Train preparation on TC2 cab                                                                   |  | OK |  | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10024 | A | Insert the Driver's Master key on TC2, turn it to ON position and close battery contactor 18S1 |  | OK |  | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10025 | R | The emergency Lighting is ON in TC1 saloon, left and right side in low brightness              |  | OK |  | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10026 | R | The emergency Lighting is ON in M4 saloon, left and right side in low brightness               |  | OK |  | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10027 | R | The emergency Lighting is ON in M1 saloon, left and right side in low brightness               |  | OK |  | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10028 | R | The emergency Lighting is ON in M2 saloon, left and right side in low brightness               |  | OK |  | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10029 | R | The emergency Lighting is ON in M3 saloon, left and right side in low                          |  | OK |  | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |

|       |   |                                                                                                                                                  |  |    |  |                                           |       |
|-------|---|--------------------------------------------------------------------------------------------------------------------------------------------------|--|----|--|-------------------------------------------|-------|
|       |   | brightness                                                                                                                                       |  |    |  |                                           |       |
| 10030 | R | The emergency Lighting is ON in TC2 saloon, left and right side in low brightness                                                                |  | OK |  | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10031 | A | Shutdown the train by opening the battery contactor 18S1                                                                                         |  | OK |  | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10032 | R | Train is successfully shutdown                                                                                                                   |  | OK |  | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10033 | I | Battery Low Watchdog                                                                                                                             |  | OK |  | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10034 | I | This test is to verify that the battery Watchdog relay is working, when the battery voltage drops below 93V DC, the train automatically shutdown |  | OK |  | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10035 | A | On TC2, turn ON the cleaning lights switch 52S6                                                                                                  |  | OK |  | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10036 | R | Emergency lighting is ON in all cars                                                                                                             |  | OK |  | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10037 | A | Remove the relay 15K1 from its base                                                                                                              |  | OK |  | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10038 | R | Emergency lighting is OFF in all cars                                                                                                            |  | OK |  | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10039 | A | Put back the relay 15K1 on its base                                                                                                              |  | OK |  | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10040 | A | Walk to the TC2 CVS Agate compartment and confirm that the CVS Agate is not powered                                                              |  | OK |  | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10041 | R | The CVS Agate is OFF                                                                                                                             |  | OK |  | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10042 | A | Switch On the train on TC1 side                                                                                                                  |  | OK |  | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10043 | A | Shutdown the train by opening the battery contactor 18S1                                                                                         |  | OK |  | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10044 | A | Turn the switch 52S6 to switch ON the cleaning lights                                                                                            |  | OK |  | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10045 | A | Remove the relay 15K1 from its base                                                                                                              |  | OK |  | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |

|       |   |                                                                                                      |                                                                                   |    |  |                                           |       |
|-------|---|------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|----|--|-------------------------------------------|-------|
| 10046 | R | The emergency lighting is OFF in all cars                                                            |                                                                                   | OK |  | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10047 | A | Put back the relay on its base                                                                       |                                                                                   | OK |  | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10048 | A | Walk to the TC1 CVS Agate compartment and confirm that the CVS Agate is not powered                  |                                                                                   | OK |  | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10049 | R | The CVS Agate is OFF                                                                                 |                                                                                   | OK |  | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10050 | I | Train Earthing Procedure<br><a href="#">[11-52-3-247130_Isolation and Earthing of the Train.pdf]</a> |  | OK |  | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10051 | R | The train is successfully isolated and earthed.                                                      |                                                                                   | OK |  | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10052 | A | Normalize the train                                                                                  |                                                                                   | OK |  | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10053 | R | The train is normalized.                                                                             |                                                                                   | OK |  | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10054 | R | Check the IOS status to see if both PANTOS are NOT isolated.                                         |                                                                                   | OK |  | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10055 | I | End of Test                                                                                          |                                                                                   | OK |  | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |



|                                                                               |                                                    |                             |
|-------------------------------------------------------------------------------|----------------------------------------------------|-----------------------------|
| Serial Tests Report<br>TS270 – TFS<br>RTR Train Functional Static Test Report | Document Reference<br>GIB0000007854<br>Version: A0 | Emission date<br>27/02/2025 |
|-------------------------------------------------------------------------------|----------------------------------------------------|-----------------------------|



## Section 4 – Energy Distribution 400V AC

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### 4.1 Instructions list

#### 4.1.1 014\_NRG-Energy Distribution 400V AC

I - Information      A - Action      R - Result      NE - Not Executed

| N°    | Type | Instruction                                                                 | File | Result status | Result value | Operator                                 | Vehicle |
|-------|------|-----------------------------------------------------------------------------|------|---------------|--------------|------------------------------------------|---------|
| 10001 | I    | Auxiliary Converters Command=SPP 018                                        |      | OK            |              | Mphato Mphahlele<br>480716<br>22.02.2025 | Train   |
| 10002 | I    | Initial Conditions                                                          |      | OK            |              | Mphato Mphahlele<br>480716<br>22.02.2025 | Train   |
| 10003 | I    | TCMS should be working on train                                             |      | OK            |              | Mphato Mphahlele<br>480716<br>22.02.2025 | Train   |
| 10004 | I    | No high voltage present on catenary                                         |      | OK            |              | Mphato Mphahlele<br>480716<br>22.02.2025 | Train   |
| 10005 | I    | Start of Test                                                               |      | OK            |              | Mphato Mphahlele<br>480716<br>22.02.2025 | Train   |
| 10006 | A    | Activate the Cab on TC2                                                     |      | OK            |              | Mphato Mphahlele<br>480716<br>22.02.2025 | Train   |
| 10007 | A    | Close the battery contactor 18S1                                            |      | OK            |              | Mphato Mphahlele<br>480716<br>22.02.2025 | Train   |
| 10008 | I    | Wait for the TCMS to successfully initialize, then do the steps below       |      | OK            |              | Mphato Mphahlele<br>480716<br>22.02.2025 | Train   |
| 10009 | R    | Read Defined Variable [TT]<br>(MPU1)li_nrg_tc1battcontactclosedr1___1 = 1.0 |      | OK            | 1            | Mphato Mphahlele<br>480716<br>22.02.2025 | Train   |
| 10010 | R    | Read Defined Variable [TT]<br>(MPU1)lo_nrg_tc1batteryconnectionr1 = 1.0     |      | OK            | 1            | Mphato Mphahlele<br>480716<br>22.02.2025 | Train   |
| 10011 | R    | Read Defined Variable [TT]<br>(MPU1)li_nrg_tc2battcontactclosedr2___1 = 1.0 |      | OK            | 1            | Mphato Mphahlele<br>480716<br>22.02.2025 | Train   |
| 10012 | R    | Read Defined Variable [TT]<br>(MPU1)lo_nrg_tc2batteryconnectionr2 = 1.0     |      | OK            | 1            | Mphato Mphahlele<br>480716<br>22.02.2025 | Train   |
| 10013 | A    | Trip the Circuit Breaker CC(ALS) on TC2 CVS AGATE compartment               |      | OK            |              | Mphato Mphahlele<br>480716<br>22.02.2025 | Train   |
| 10014 | R    | Read Defined Variable [TT]<br>(MPU1)li_nrg_tc2battcontactclosedr1___1 = 0.0 |      | OK            | 0            | Mphato Mphahlele<br>480716<br>22.02.2025 | Train   |

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| 10015 | R | Read Defined Variable [TT]<br>(MPU1)li_nrg_tc2battcontactclosedr2___1<br>= 0.0    |  | OK | 0 | Mphato Mphahlele<br>480716<br>22.02.2025 | Train |
| 10016 | R | Read Defined Variable [TT]<br>(MPU1)Li_NRG_Tc2DcDcGateDriveR1___1<br>= 0.0        |  | OK | 0 | Mphato Mphahlele<br>480716<br>22.02.2025 | Train |
| 10017 | R | Read Defined Variable [TT]<br>(MPU1)Li_NRG_Tc2DcDcGateDriveR2___1<br>= 0.0        |  | OK | 0 | Mphato Mphahlele<br>480716<br>22.02.2025 | Train |
| 10018 | I | Wait for 30s timer in the next step prior to<br>resetting Circuit Breaker CC(ALS) |  | OK |   | Mphato Mphahlele<br>480716<br>22.02.2025 | Train |
| 10019 | A | Timer 30.0 S                                                                      |  | OK |   | Mphato Mphahlele<br>480716<br>22.02.2025 | Train |
| 10020 | A | Reset the Circuit Breaker CC(ALS) on TC2<br>CVS AGATE compartment                 |  | OK |   | Mphato Mphahlele<br>480716<br>22.02.2025 | Train |
| 10021 | A | Trip the Circuit Breaker CC(AL) on TC2 CVS<br>AGATE compartment                   |  | OK |   | Mphato Mphahlele<br>480716<br>22.02.2025 | Train |
| 10022 | R | Read Defined Variable [TT]<br>(MPU1)Li_NRG_Tc2CcAlAcuStatusR1___1<br>= 1.0        |  | OK | 1 | Mphato Mphahlele<br>480716<br>22.02.2025 | Train |
| 10023 | R | Read Defined Variable [TT]<br>(MPU1)Li_NRG_Tc2CcAlAcuStatusR2___1<br>= 1.0        |  | OK | 1 | Mphato Mphahlele<br>480716<br>22.02.2025 | Train |
| 10024 | I | Wait for 30s timer in the next step prior to<br>resetting Circuit Breaker CC(ALS) |  | OK |   | Mphato Mphahlele<br>480716<br>22.02.2025 | Train |
| 10025 | A | Timer 30.0 S                                                                      |  | OK |   | Mphato Mphahlele<br>480716<br>22.02.2025 | Train |
| 10026 | A | Reset the Circuit Breaker CC(AL) on TC2<br>CVS AGATE compartment                  |  | OK |   | Mphato Mphahlele<br>480716<br>22.02.2025 | Train |
| 10027 | A | Activate the Cab on TC1                                                           |  | OK |   | Mphato Mphahlele<br>480716<br>22.02.2025 | Train |
| 10028 | A | Close the battery contactor 18S1                                                  |  | OK |   | Mphato Mphahlele<br>480716<br>22.02.2025 | Train |
| 10029 | I | Wait for the TCMS to successfully initialize,<br>then do the steps below          |  | OK |   | Mphato Mphahlele<br>480716<br>22.02.2025 | Train |
| 10030 | R | Read Defined Variable [TT]<br>(MPU1)li_nrg_tc1battcontactclosedr1___1<br>= 1.0    |  | OK | 1 | Mphato Mphahlele<br>480716<br>22.02.2025 | Train |
| 10031 | R | Read Defined Variable [TT]                                                        |  | OK | 1 | Mphato Mphahlele<br>480716               | Train |

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|       |   | (MPU1)lo_nrg_tc1batteryconnectionr1 = 1.0                                      |  |    |   | 22.02.2025                               |       |
| 10032 | R | Read Defined Variable [TT]<br>(MPU1)li_nrg_tc2battcontactclosedr2___1 = 1.0    |  | OK | 1 | Mphato Mphahlele<br>480716<br>22.02.2025 | Train |
| 10033 | R | Read Defined Variable [TT]<br>(MPU1)lo_nrg_tc2batteryconnectionr2 = 1.0        |  | OK | 1 | Mphato Mphahlele<br>480716<br>22.02.2025 | Train |
| 10034 | A | Trip the Circuit Breaker CC(ALS) on TC1 CVS AGATE compartment                  |  | OK |   | Mphato Mphahlele<br>480716<br>22.02.2025 | Train |
| 10035 | R | Read Defined Variable [TT]<br>(MPU1)li_nrg_tc1battcontactclosedr1___1 = 0.0    |  | OK | 0 | Mphato Mphahlele<br>480716<br>22.02.2025 | Train |
| 10036 | R | Read Defined Variable [TT]<br>(MPU1)li_nrg_tc1battcontactclosedr2___1 = 0.0    |  | OK | 0 | Mphato Mphahlele<br>480716<br>22.02.2025 | Train |
| 10037 | R | Read Defined Variable [TT]<br>(MPU1)Li_NRG_Tc1DcDcGateDriveR1___1 = 0.0        |  | OK | 0 | Mphato Mphahlele<br>480716<br>22.02.2025 | Train |
| 10038 | R | Read Defined Variable [TT]<br>(MPU1)Li_NRG_Tc1DcDcGateDriveR2___1 = 0.0        |  | OK | 0 | Mphato Mphahlele<br>480716<br>22.02.2025 | Train |
| 10039 | I | Wait for 30s timer in the next step prior to resetting Circuit Breaker CC(ALS) |  | OK |   | Mphato Mphahlele<br>480716<br>22.02.2025 | Train |
| 10040 | A | Timer 30.0 S                                                                   |  | OK |   | Mphato Mphahlele<br>480716<br>22.02.2025 | Train |
| 10041 | A | Reset the Circuit Breaker CC(ALS) on TC1 CVS AGATE compartment                 |  | OK |   | Mphato Mphahlele<br>480716<br>22.02.2025 | Train |
| 10042 | A | Trip the Circuit Breaker CC(AL) on TC1 CVS AGATE compartment                   |  | OK |   | Mphato Mphahlele<br>480716<br>22.02.2025 | Train |
| 10043 | R | Read Defined Variable [TT]<br>(MPU1)Li_NRG_Tc1CcAlAcuStatusR1___1 = 1.0        |  | OK | 1 | Mphato Mphahlele<br>480716<br>22.02.2025 | Train |
| 10044 | R | Read Defined Variable [TT]<br>(MPU1)Li_NRG_Tc1CcAlAcuStatusR2___1 = 1.0        |  | OK | 1 | Mphato Mphahlele<br>480716<br>22.02.2025 | Train |
| 10045 | I | Wait for 30s timer in the next step prior to resetting Circuit Breaker CC(ALS) |  | OK |   | Mphato Mphahlele<br>480716<br>22.02.2025 | Train |
| 10046 | A | Timer 30.0 S                                                                   |  | OK |   | Mphato Mphahlele<br>480716<br>22.02.2025 | Train |

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| 10047 | A | Reset the Circuit Breaker CC(AL) on TC1 CVS AGATE compartment                                            |                                                                                     | OK |   | Mphato Mphahlele<br>480716<br>22.02.2025 | Train |
| 10048 | I | Automatic Train Preparation & Auxiliary Converter Status                                                 |                                                                                     | OK |   | Mphato Mphahlele<br>480716<br>22.02.2025 | Train |
| 10049 | R | Read Defined Variable [TT]<br>(MPU1)li_cab_tc1automaticstartr1 = 0.0                                     |                                                                                     | OK | 0 | Mphato Mphahlele<br>480716<br>22.02.2025 | Train |
| 10050 | R | Read Defined Variable [TT]<br>(MPU1)li_cab_tc2automaticstartr2 = 0.0                                     |                                                                                     | OK | 0 | Mphato Mphahlele<br>480716<br>22.02.2025 | Train |
| 10051 | A | Force [TT]<br>(MPU1)li_cab_tc1automaticstartr1 = 1.0                                                     |                                                                                     | OK |   | Mphato Mphahlele<br>480716<br>22.02.2025 | Train |
| 10052 | A | Force [TT]<br>(MPU1)li_cab_tc1automaticstartr2 = 1.0                                                     |                                                                                     | OK |   | Mphato Mphahlele<br>480716<br>22.02.2025 | Train |
| 10053 | A | Timer 5.0 S                                                                                              |                                                                                     | OK |   | Mphato Mphahlele<br>480716<br>22.02.2025 | Train |
| 10054 | R | Read Defined Variable [TT]<br>(MPU1)lo_cab_tc1automaticstartr1 = 1.0                                     |                                                                                     | OK | 1 | Mphato Mphahlele<br>480716<br>22.02.2025 | Train |
| 10055 | R | Read Defined Variable [TT]<br>(MPU1)lo_cab_tc2automaticstartr2 = 0.0                                     |                                                                                     | OK | 0 | Mphato Mphahlele<br>480716<br>22.02.2025 | Train |
| 10056 | R | Read Defined Variable [TT]<br>(MPU1)lo_nrg_tc1converterfaulttr2 = 1.0                                    |                                                                                     | OK | 1 | Mphato Mphahlele<br>480716<br>22.02.2025 | Train |
| 10057 | R | Lamp 18H1 is ON                                                                                          |                                                                                     | OK |   | Mphato Mphahlele<br>480716<br>22.02.2025 | Train |
| 10058 | R | The ACU on TC1 and TC2 are not operational, the ACU appears in Grey colour on the DDU maintenance screen |  | OK |   | Mphato Mphahlele<br>480716<br>22.02.2025 | Train |
| 10059 | R | Read Defined Variable [TT]<br>(MPU1)Li_NRG_Tc1CcAlAcuStatusR1___1 = 0.0                                  |                                                                                     | OK | 0 | Mphato Mphahlele<br>480716<br>22.02.2025 | Train |
| 10060 | R | Read Defined Variable [TT]<br>(MPU1)Li_NRG_Tc2CcAlAcuStatusR1___1 = 0.0                                  |                                                                                     | OK | 0 | Mphato Mphahlele<br>480716<br>22.02.2025 | Train |
| 10061 | R | Read Defined Variable [TT]<br>(MPU1)Li_NRG_Tc1CcAlAcuStatusR2___1 = 0.0                                  |                                                                                     | OK | 0 | Mphato Mphahlele<br>480716<br>22.02.2025 | Train |
| 10062 | R | Read Defined Variable [TT]<br>(MPU1)Li_NRG_Tc2CcAlAcuStatusR2___1 = 0.0                                  |                                                                                     | OK | 0 | Mphato Mphahlele<br>480716<br>22.02.2025 | Train |
| 10063 | R | Read Defined Variable [TT]                                                                               |                                                                                     | OK | 1 | Mphato Mphahlele<br>480716<br>22.02.2025 | Train |

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|       |   | (MPU1)li_nrg_tc1contactopen400r1___1 = 1.0                               |                                                                                     |    |   |                                          |       |
| 10064 | R | Read Defined Variable [TT]<br>(MPU1)li_nrg_tc2contactopen400r2___1 = 1.0 |                                                                                     | OK | 1 | Mphato Mphahlele<br>480716<br>22.02.2025 | Train |
| 10065 | R | Read Defined Variable [TT]<br>(MPU1)li_pnt_m1pantorisedr1 = 1.0          |                                                                                     | OK | 1 | Mphato Mphahlele<br>480716<br>22.02.2025 | Train |
| 10066 | R | Read Defined Variable [TT]<br>(MPU1)li_pnt_m2pantorisedr2 = 1.0          |                                                                                     | OK | 1 | Mphato Mphahlele<br>480716<br>22.02.2025 | Train |
| 10067 | A | Switch on 3 kV DC on the catenary                                        |                                                                                     | OK |   | Mphato Mphahlele<br>480716<br>22.02.2025 | Train |
| 10068 | R | Read Defined Variable [TT]<br>(MPU1)lo_hsc_tc1closehscbr1 = 1.0          |                                                                                     | OK | 1 | Mphato Mphahlele<br>480716<br>22.02.2025 | Train |
| 10069 | R | Read Defined Variable [TT]<br>(MPU1)lo_hsc_tc2closehscbr1 = 1.0          |                                                                                     | OK | 1 | Mphato Mphahlele<br>480716<br>22.02.2025 | Train |
| 10070 | R | Read Defined Variable [TT]<br>(MPU1)li_nrg_tc1contactopen400r1___1 = 0.0 |                                                                                     | OK | 0 | Mphato Mphahlele<br>480716<br>22.02.2025 | Train |
| 10071 | R | Read Defined Variable [TT]<br>(MPU1)li_nrg_tc2contactopen400r2___1 = 0.0 |                                                                                     | OK | 0 | Mphato Mphahlele<br>480716<br>22.02.2025 | Train |
| 10072 | R | Aux with reduced performance, lamp 18H1 is OFF                           |                                                                                     | OK |   | Mphato Mphahlele<br>480716<br>22.02.2025 | Train |
| 10073 | R | Read Defined Variable [TT]<br>(MPU1)lo_nrg_tc1converterfaulttr2 = 0.0    |                                                                                     | OK | 0 | Mphato Mphahlele<br>480716<br>22.02.2025 | Train |
| 10074 | R | Both ACUs are operational                                                |  | OK |   | Mphato Mphahlele<br>480716<br>22.02.2025 | Train |
| 10075 | R | Read Defined Variable [TT]<br>(MPU1)Li_NRG_Tc2DcDcGateDriveR1___1 = 1.0  |                                                                                     | OK | 1 | Mphato Mphahlele<br>480716<br>22.02.2025 | Train |
| 10076 | R | Read Defined Variable [TT]<br>(MPU1)Li_NRG_Tc2DcDcGateDriveR2___1 = 1.0  |                                                                                     | OK | 1 | Mphato Mphahlele<br>480716<br>22.02.2025 | Train |
| 10077 | R | Read Defined Variable [TT]<br>(MPU1)Li_NRG_Tc1DcDcGateDriveR1___1 = 1.0  |                                                                                     | OK | 1 | Mphato Mphahlele<br>480716<br>22.02.2025 | Train |
| 10078 | R | Read Defined Variable [TT]<br>(MPU1)Li_NRG_Tc1DcDcGateDriveR2___1 = 1.0  |                                                                                     | OK | 1 | Mphato Mphahlele<br>480716<br>22.02.2025 | Train |
| 10079 | A | Release [TT]<br>(MPU1)li_cab_tc1automaticstarttr1                        |                                                                                     | OK |   | Mphato Mphahlele<br>480716<br>22.02.2025 | Train |

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| 10080 | A | Release [TT]<br>(MPU1)li_cab_tc1automaticstartr2                                     |  | OK |   | Mphato Mphahlele<br>480716<br>22.02.2025 | Train |
| 10081 | I | ACU Isolation and Bypass                                                             |  | OK |   | Mphato Mphahlele<br>480716<br>22.02.2025 | Train |
| 10082 | R | Read Defined Variable [TT]<br>(MPU1)li_nrg_tc1acubypassr1__1 = 1.0                   |  | OK | 1 | Mphato Mphahlele<br>480716<br>22.02.2025 | Train |
| 10083 | R | Read Defined Variable [TT]<br>(MPU1)li_nrg_tc2acubypassr1__1 = 1.0                   |  | OK | 1 | Mphato Mphahlele<br>480716<br>22.02.2025 | Train |
| 10084 | A | Put the switch 18S3 (ACU ISOLATION) to ISOLATION position                            |  | OK |   | Mphato Mphahlele<br>480716<br>22.02.2025 | Train |
| 10085 | R | Read Defined Variable [TT]<br>(MPU1)lo_nrg_tc1converterfaultr2 = 1.0                 |  | OK | 1 | Mphato Mphahlele<br>480716<br>22.02.2025 | Train |
| 10086 | R | Read Defined Variable [TT]<br>(MPU1)li_nrg_tc1acubypassr1__1 = 0.0                   |  | OK | 0 | Mphato Mphahlele<br>480716<br>22.02.2025 | Train |
| 10087 | R | Read Defined Variable [TT]<br>(MPU1)li_nrg_tc2acubypassr1__1 = 1.0                   |  | OK | 1 | Mphato Mphahlele<br>480716<br>22.02.2025 | Train |
| 10088 | I | The help contactor closes on M2 car                                                  |  | OK |   | Mphato Mphahlele<br>480716<br>22.02.2025 | Train |
| 10089 | R | Read Defined Variable [TT]<br>(MPU1)lo_nrg_m2converterhelpr1 = 1.0                   |  | OK | 1 | Mphato Mphahlele<br>480716<br>22.02.2025 | Train |
| 10090 | R | Verify that only one ACU is operational on the DDU, and the help contactor is closed |  | OK |   | Mphato Mphahlele<br>480716<br>22.02.2025 | Train |
| 10091 | A | Put the switch 18S3 (ACU ISOLATION) to NORMAL position                               |  | OK |   | Mphato Mphahlele<br>480716<br>22.02.2025 | Train |
| 10092 | A | Press the button 22S12 to open HSCB                                                  |  | OK |   | Mphato Mphahlele<br>480716<br>22.02.2025 | Train |
| 10093 | R | Button lamp 22S12 is ON                                                              |  | OK |   | Mphato Mphahlele<br>480716<br>22.02.2025 | Train |
| 10094 | A | Press the button 22S11 to close HSCB                                                 |  | OK |   | Mphato Mphahlele<br>480716<br>22.02.2025 | Train |
| 10095 | R | Button lamp 22S12 is OFF                                                             |  | OK |   | Mphato Mphahlele<br>480716<br>22.02.2025 | Train |
| 10096 | R | Both ACUs are operational on DDU Driver's screen                                     |  | OK |   | Mphato Mphahlele<br>480716<br>22.02.2025 | Train |
| 10097 | R | Read Defined Variable [TT]<br>(MPU1)lo_nrg_tc1converterfaultr2 = 0.0                 |  | OK | 0 | Mphato Mphahlele<br>480716<br>22.02.2025 | Train |

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| 10098 | R | Read Defined Variable [TT]<br>(MPU1)lo_nrg_m2converterhelpr1 = 0.0                      |  | OK | 0 | Mphato Mphahlele<br>480716<br>22.02.2025 | Train |
| 10099 | A | Put the switch 18S3 (ACU ISOLATION) to<br>ISOLATION position on TC2                     |  | OK |   | Mphato Mphahlele<br>480716<br>22.02.2025 | Train |
| 10100 | R | Read Defined Variable [TT]<br>(MPU1)lo_nrg_tc1converterfault2 = 1.0                     |  | OK | 1 | Mphato Mphahlele<br>480716<br>22.02.2025 | Train |
| 10101 | R | Read Defined Variable [TT]<br>(MPU1)li_nrg_tc1acubypassr1__1 = 1.0                      |  | OK | 1 | Mphato Mphahlele<br>480716<br>22.02.2025 | Train |
| 10102 | R | Read Defined Variable [TT]<br>(MPU1)li_nrg_tc2acubypassr1__1 = 0.0                      |  | OK | 0 | Mphato Mphahlele<br>480716<br>22.02.2025 | Train |
| 10103 | I | The help contactor closes on M2 car                                                     |  | OK |   | Mphato Mphahlele<br>480716<br>22.02.2025 | Train |
| 10104 | R | Read Defined Variable [TT]<br>(MPU1)lo_nrg_m2converterhelpr2 = 1.0                      |  | OK | 1 | Mphato Mphahlele<br>480716<br>22.02.2025 | Train |
| 10105 | R | Verify that only one ACU is operational on<br>the DDU, and the help contactor is closed |  | OK |   | Mphato Mphahlele<br>480716<br>22.02.2025 | Train |
| 10106 | A | Put the switch 18S3 (ACU ISOLATION) to<br>NORMAL position on TC2                        |  | OK |   | Mphato Mphahlele<br>480716<br>22.02.2025 | Train |
| 10107 | A | Press the button 22S12 to open HSCB                                                     |  | OK |   | Mphato Mphahlele<br>480716<br>22.02.2025 | Train |
| 10108 | A | Press the button 22S11 to close HSCB                                                    |  | OK |   | Mphato Mphahlele<br>480716<br>22.02.2025 | Train |
| 10109 | R | Both ACUs are operational on DDU Driver's<br>screen                                     |  | OK |   | Mphato Mphahlele<br>480716<br>22.02.2025 | Train |
| 10110 | R | Read Defined Variable [TT]<br>(MPU1)lo_nrg_tc1converterfault2 = 0.0                     |  | OK | 0 | Mphato Mphahlele<br>480716<br>22.02.2025 | Train |
| 10111 | R | Read Defined Variable [TT]<br>(MPU1)lo_nrg_m2converterhelpr2 = 0.0                      |  | OK | 0 | Mphato Mphahlele<br>480716<br>22.02.2025 | Train |
| 10112 | I | ACU Fault simulation                                                                    |  | OK |   | Mphato Mphahlele<br>480716<br>22.02.2025 | Train |
| 10113 | A | Inside the ACU, switch off the AGATE by<br>tripping ACU circuit breaker in TC1          |  | OK |   | Mphato Mphahlele<br>480716<br>22.02.2025 | Train |
| 10114 | A | Lamp 18H1 is ON in the alarm module                                                     |  | OK |   | Mphato Mphahlele<br>480716<br>22.02.2025 | Train |
| 10115 | A | Timer 20.0 S                                                                            |  | OK |   | Mphato Mphahlele<br>480716<br>22.02.2025 | Train |



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| 10116 | R | Read Defined Variable [TT]<br>(MPU1)lo_nrg_m2converterhelpr1 = 1.0          |                                                                                     | OK | 1 | Mphato Mphahlele<br>480716<br>22.02.2025 | Train |
| 10117 | A | Close the ACU AGATE circuit breaker                                         |                                                                                     | OK |   | Mphato Mphahlele<br>480716<br>22.02.2025 | Train |
| 10118 | A | Timer 30.0 S                                                                |                                                                                     | OK |   | Mphato Mphahlele<br>480716<br>22.02.2025 | Train |
| 10119 | A | Open HSCB                                                                   |                                                                                     | OK |   | Mphato Mphahlele<br>480716<br>22.02.2025 | Train |
| 10120 | R | Read Defined Variable [TT]<br>(MPU1)lo_nrg_m2converterhelpr1 = 0.0          |                                                                                     | OK | 0 | Mphato Mphahlele<br>480716<br>22.02.2025 | Train |
| 10121 | A | Close HSCB                                                                  |                                                                                     | OK |   | Mphato Mphahlele<br>480716<br>22.02.2025 | Train |
| 10122 | R | Lamp 18H1 is OFF in the alarm module                                        |                                                                                     | OK |   | Mphato Mphahlele<br>480716<br>22.02.2025 | Train |
| 10123 | A | Inside the ACU, switch off the AGATE by tripping ACU circuit breaker in TC2 |                                                                                     | OK |   | Mphato Mphahlele<br>480716<br>22.02.2025 | Train |
| 10124 | A | Lamp 18H1 is ON in the alarm module                                         |                                                                                     | OK |   | Mphato Mphahlele<br>480716<br>22.02.2025 | Train |
| 10125 | A | Timer 20.0 S                                                                |                                                                                     | OK |   | Mphato Mphahlele<br>480716<br>22.02.2025 | Train |
| 10126 | A | Close the ACU AGATE circuit breaker                                         |                                                                                     | OK |   | Mphato Mphahlele<br>480716<br>22.02.2025 | Train |
| 10127 | A | Timer 30.0 S                                                                |                                                                                     | OK |   | Mphato Mphahlele<br>480716<br>22.02.2025 | Train |
| 10128 | A | Open HSCB                                                                   |                                                                                     | OK |   | Mphato Mphahlele<br>480716<br>22.02.2025 | Train |
| 10129 | A | Close HSCB                                                                  |                                                                                     | OK |   | Mphato Mphahlele<br>480716<br>22.02.2025 | Train |
| 10130 | I | Verifying Aux Converter Output                                              |                                                                                     | OK |   | Mphato Mphahlele<br>480716<br>22.02.2025 | Train |
| 10131 | A | Put the switch 18S3 (ACU ISOLATION) to ISOLATION position on TC1 and TC2    |                                                                                     | OK |   | Mphato Mphahlele<br>480716<br>22.02.2025 | Train |
| 10132 | I | ACU stops working in TC1 and TC2 car                                        |                                                                                     | OK |   | Mphato Mphahlele<br>480716<br>22.02.2025 | Train |
| 10133 | R | Read Defined Variable [TT]<br>(MPU1)lo_nrg_m2converterhelpr1 = 0.0          |                                                                                     | OK | 0 | Mphato Mphahlele<br>480716<br>22.02.2025 | Train |
| 10134 | R | Lamp 18H1 is ON in the alarm module                                         |  | OK |   | Mphato Mphahlele<br>480716               | Train |

|       |   |                                                                                          |                                                                                     |    |   |                                          |       |
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|       |   |                                                                                          |                                                                                     |    |   | 22.02.2025                               |       |
| 10135 | I | This test is performed to verify that the ACUs can supply all the loads without tripping |                                                                                     | OK |   | Mphato Mphahlele<br>480716<br>22.02.2025 | Train |
| 10136 | A | Open the circuit breaker 19Q2 on TC1                                                     |                                                                                     | OK |   | Mphato Mphahlele<br>480716<br>22.02.2025 | Train |
| 10137 | A | Open the circuit breaker 57Q1 for all HVAC units                                         |                                                                                     | OK |   | Mphato Mphahlele<br>480716<br>22.02.2025 | Train |
| 10138 | A | Open the circuit breaker 19Q2 TC2                                                        |                                                                                     | OK |   | Mphato Mphahlele<br>480716<br>22.02.2025 | Train |
| 10139 | R | Read Defined Variable [TT]<br>(MPU1)li_ddk_tc1cb400distrib = 0.0                         |                                                                                     | OK | 0 | Mphato Mphahlele<br>480716<br>22.02.2025 | Train |
| 10140 | R | Read Defined Variable [TT]<br>(MPU1)li_ddk_m4cb400distrib = 0.0                          |                                                                                     | OK | 0 | Mphato Mphahlele<br>480716<br>22.02.2025 | Train |
| 10141 | R | Read Defined Variable [TT]<br>(MPU1)li_ddk_m1cb400distrib = 0.0                          |                                                                                     | OK | 0 | Mphato Mphahlele<br>480716<br>22.02.2025 | Train |
| 10142 | R | Read Defined Variable [TT]<br>(MPU1)li_ddk_m2cb400distrib = 0.0                          |                                                                                     | OK | 0 | Mphato Mphahlele<br>480716<br>22.02.2025 | Train |
| 10143 | R | Read Defined Variable [TT]<br>(MPU1)li_ddk_m3cb400distrib = 0.0                          |                                                                                     | OK | 0 | Mphato Mphahlele<br>480716<br>22.02.2025 | Train |
| 10144 | R | Read Defined Variable [TT]<br>(MPU1)li_ddk_tc2cb400distrib = 0.0                         |                                                                                     | OK | 0 | Mphato Mphahlele<br>480716<br>22.02.2025 | Train |
| 10145 | R | Read Defined Variable [TT]<br>(MPU1)li_air_tc1mcbcompressor = 0.0                        |                                                                                     | OK | 0 | Mphato Mphahlele<br>480716<br>22.02.2025 | Train |
| 10146 | R | Read Defined Variable [TT]<br>(MPU1)li_air_tc2mcbcompressor = 0.0                        |                                                                                     | OK | 0 | Mphato Mphahlele<br>480716<br>22.02.2025 | Train |
| 10147 | A | Put the switch 18S3 (ACU ISOLATION) to NORMAL position on TC1 and TC2                    |                                                                                     | OK |   | Mphato Mphahlele<br>480716<br>22.02.2025 | Train |
| 10148 | I | ACU starts working on TC1 and TC2                                                        |  | OK |   | Mphato Mphahlele<br>480716<br>22.02.2025 | Train |
| 10149 | A | Close the circuit breaker 19Q2 TC1                                                       |                                                                                     | OK |   | Mphato Mphahlele<br>480716<br>22.02.2025 | Train |
| 10150 | A | Close the circuit breaker 57Q1 for all HVAC units                                        |                                                                                     | OK |   | Mphato Mphahlele<br>480716<br>22.02.2025 | Train |
| 10151 | I | It is necessary to check on the DDU screen for HVAC status                               |                                                                                     | OK |   | Mphato Mphahlele<br>480716<br>22.02.2025 | Train |
| 10152 | R | Read Defined Variable [TT]<br>(MPU1)li_ddk_tc1cb400distrib = 1.0                         |                                                                                     | OK | 1 | Mphato Mphahlele<br>480716<br>22.02.2025 | Train |

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| 10153 | R | Read Defined Variable [TT]<br>(MPU1)li_ddk_m4cb400distrib = 1.0                                                                                                                     |  | OK | 1 | Mphato Mphahlele<br>480716<br>22.02.2025 | Train |
| 10154 | R | Read Defined Variable [TT]<br>(MPU1)li_ddk_m1cb400distrib = 1.0                                                                                                                     |  | OK | 1 | Mphato Mphahlele<br>480716<br>22.02.2025 | Train |
| 10155 | R | Read Defined Variable [TT]<br>(MPU1)li_ddk_m2cb400distrib = 1.0                                                                                                                     |  | OK | 1 | Mphato Mphahlele<br>480716<br>22.02.2025 | Train |
| 10156 | R | Read Defined Variable [TT]<br>(MPU1)li_ddk_m3cb400distrib = 1.0                                                                                                                     |  | OK | 1 | Mphato Mphahlele<br>480716<br>22.02.2025 | Train |
| 10157 | R | Read Defined Variable [TT]<br>(MPU1)li_ddk_tc2cb400distrib = 1.0                                                                                                                    |  | OK | 1 | Mphato Mphahlele<br>480716<br>22.02.2025 | Train |
| 10158 | A | Close the circuit breaker 19Q2 TC2                                                                                                                                                  |  | OK |   | Mphato Mphahlele<br>480716<br>22.02.2025 | Train |
| 10159 | R | Read Defined Variable [TT]<br>(MPU1)li_air_tc1mcbcompressor = 1.0                                                                                                                   |  | OK | 1 | Mphato Mphahlele<br>480716<br>22.02.2025 | Train |
| 10160 | R | Read Defined Variable [TT]<br>(MPU1)li_air_tc2mcbcompressor = 1.0                                                                                                                   |  | OK | 1 | Mphato Mphahlele<br>480716<br>22.02.2025 | Train |
| 10161 | R | Verify the circuit breaker 18Q2 ACU on TC1<br>and TC2 have not tripped                                                                                                              |  | OK |   | Mphato Mphahlele<br>480716<br>22.02.2025 | Train |
| 10162 | A | Release [TT]<br>(MPU1)lo_cab_tc1automaticstartr1                                                                                                                                    |  | OK |   | Mphato Mphahlele<br>480716<br>22.02.2025 | Train |
| 10163 | A | Release [TT]<br>(MPU1)lo_cab_tc1automaticstartr2                                                                                                                                    |  | OK |   | Mphato Mphahlele<br>480716<br>22.02.2025 | Train |
| 10164 | I | Shore supply 400Vac                                                                                                                                                                 |  | OK |   | Sinazo Mkhwa<br>529940<br>24.02.2025     | Train |
| 10165 | I | This test is to verify if the Aux converters are<br>able to start-up successfully under external<br>power supply and also charge the batteries<br>without 3kV DC from the catenary. |  | OK |   | Sinazo Mkhwa<br>529940<br>24.02.2025     | Train |
| 10166 | I | The shore supply used should be limited to<br>63A at 400Vac, 50Hz, three phase. A neutral<br>on the shore supply is mandatory.                                                      |  | OK |   | Sinazo Mkhwa<br>529940<br>24.02.2025     | Train |
| 10167 | A | Press the button 22S12 to open the HSCB                                                                                                                                             |  | OK |   | Sinazo Mkhwa<br>529940<br>24.02.2025     | Train |
| 10168 | A | Press switch 21S1 to lower both<br>pantographs                                                                                                                                      |  | OK |   | Sinazo Mkhwa<br>529940<br>24.02.2025     | Train |
| 10169 | R | Read Defined Variable [TT]<br>(MPU1)li_pnt_m1pantorisedr1 = 0.0                                                                                                                     |  | OK | 0 | Sinazo Mkhwa<br>529940<br>24.02.2025     | Train |

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| 10170 | R | Read Defined Variable [TT]<br>(MPU1)li_pnt_m2pantorisedr2 = 0.0          |  | OK | 0 | Sinazo Mkhwa<br>529940<br>24.02.2025 | Train |
| 10171 | R | Read Defined Variable [TT]<br>(MPU1)li_nrg_tc1shoresupply___1 = 0.0      |  | OK | 0 | Sinazo Mkhwa<br>529940<br>24.02.2025 | Train |
| 10172 | R | Read Defined Variable [TT]<br>(MPU1)li_nrg_tc2shoresupply___1 = 0.0      |  | OK | 0 | Sinazo Mkhwa<br>529940<br>24.02.2025 | Train |
| 10173 | A | Connect the shore supply on TC1 ACU                                      |  | OK |   | Sinazo Mkhwa<br>529940<br>24.02.2025 | Train |
| 10174 | R | Read Defined Variable [TT]<br>(MPU1)li_nrg_tc1shoresupply___1 = 1.0      |  | OK | 1 | Sinazo Mkhwa<br>529940<br>24.02.2025 | Train |
| 10175 | R | Read Defined Variable [TT]<br>(MPU1)li_nrg_tc1contactopen400r2 = 0.0     |  | OK | 0 | Sinazo Mkhwa<br>529940<br>24.02.2025 | Train |
| 10176 | R | Read Defined Variable [TT]<br>(MPU1)li_nrg_tc2shoresupply___1 = 0.0      |  | OK | 0 | Sinazo Mkhwa<br>529940<br>24.02.2025 | Train |
| 10177 | R | Read Defined Variable [TT]<br>(MPU1)li_nrg_tc2contactopen400r1___1 = 1.0 |  | OK | 1 | Sinazo Mkhwa<br>529940<br>24.02.2025 | Train |
| 10178 | A | Press switch 21S1 to raise both pantographs                              |  | OK |   | Sinazo Mkhwa<br>529940<br>24.02.2025 | Train |
| 10179 | A | Close HSCB using the button 22S11                                        |  | OK |   | Sinazo Mkhwa<br>529940<br>24.02.2025 | Train |
| 10180 | I | It is not possible to close HSCB with shore supply connected             |  | OK |   | Sinazo Mkhwa<br>529940<br>24.02.2025 | Train |
| 10181 | R | Read Defined Variable [TT]<br>(MPU1)lo_hsc_tc1closehscbpbr1 = 0.0        |  | OK | 0 | Sinazo Mkhwa<br>529940<br>24.02.2025 | Train |
| 10182 | A | Remove shore supply from TC1 ACU                                         |  | OK |   | Sinazo Mkhwa<br>529940<br>24.02.2025 | Train |
| 10183 | R | Read Defined Variable [TT]<br>(MPU1)li_nrg_tc1shoresupply___1 = 0.0      |  | OK | 0 | Sinazo Mkhwa<br>529940<br>24.02.2025 | Train |
| 10184 | R | Read Defined Variable [TT]<br>(MPU1)li_nrg_tc1contactopen400r2 = 1.0     |  | OK | 1 | Sinazo Mkhwa<br>529940<br>24.02.2025 | Train |
| 10185 | R | Read Defined Variable [TT]<br>(MPU1)li_nrg_tc2shoresupply___1 = 0.0      |  | OK | 0 | Sinazo Mkhwa<br>529940<br>24.02.2025 | Train |
| 10186 | R | Read Defined Variable [TT]<br>(MPU1)li_nrg_tc2contactopen400r1___1 = 1.0 |  | OK | 1 | Sinazo Mkhwa<br>529940<br>24.02.2025 | Train |
| 10187 | A | Connect the shore supply on TC2 ACU                                      |  | OK |   | Sinazo Mkhwa<br>529940<br>24.02.2025 | Train |

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| 10188 | R | Read Defined Variable [TT]<br>(MPU1)li_nrg_tc1shoresupply__1 = 0.0                                                                                        |  | OK | 0 | Sinazo Mkhwa<br>529940<br>24.02.2025 | Train |
| 10189 | R | Read Defined Variable [TT]<br>(MPU1)li_nrg_tc1contactopen400r2 = 1.0                                                                                      |  | OK | 1 | Sinazo Mkhwa<br>529940<br>24.02.2025 | Train |
| 10190 | R | Read Defined Variable [TT]<br>(MPU1)li_nrg_tc2shoresupply__1 = 1.0                                                                                        |  | OK | 1 | Sinazo Mkhwa<br>529940<br>24.02.2025 | Train |
| 10191 | R | Read Defined Variable [TT]<br>(MPU1)li_nrg_tc2contactopen400r2__1 = 0.0                                                                                   |  | OK | 0 | Sinazo Mkhwa<br>529940<br>24.02.2025 | Train |
| 10192 | A | Close HSCB using the button 22S11                                                                                                                         |  | OK |   | Sinazo Mkhwa<br>529940<br>24.02.2025 | Train |
| 10193 | I | It is not possible to close HSCB with shore supply connected                                                                                              |  | OK |   | Sinazo Mkhwa<br>529940<br>24.02.2025 | Train |
| 10194 | R | Read Defined Variable [TT]<br>(MPU1)li_hsc_tc1hscbclosepbr1 = 0.0                                                                                         |  | OK | 0 | Sinazo Mkhwa<br>529940<br>24.02.2025 | Train |
| 10195 | A | Remove shore supply from TC2 ACU                                                                                                                          |  | OK |   | Sinazo Mkhwa<br>529940<br>24.02.2025 | Train |
| 10196 | I | Shore Supply with 3kV present                                                                                                                             |  | OK |   | Sinazo Mkhwa<br>529940<br>24.02.2025 | Train |
| 10197 | I | The system should be able to prevent the 400Vac contactor of the ACU from closing when 3 kV from the catenary is available and shore supply is connected. |  | OK |   | Sinazo Mkhwa<br>529940<br>24.02.2025 | Train |
| 10198 | A | Close HSCB using the button 22S11                                                                                                                         |  | OK |   | Sinazo Mkhwa<br>529940<br>24.02.2025 | Train |
| 10199 | R | Read Defined Variable [TT]<br>(MPU1)li_hsc_tc1hscbclosepbr1 = 1.0                                                                                         |  | OK | 1 | Sinazo Mkhwa<br>529940<br>24.02.2025 | Train |
| 10200 | R | Read Defined Variable [TT]<br>(MPU1)li_nrg_tc1contactopen400r1__1 = 0.0                                                                                   |  | OK | 0 | Sinazo Mkhwa<br>529940<br>24.02.2025 | Train |
| 10201 | R | Read Defined Variable [TT]<br>(MPU1)li_nrg_tc2contactopen400r1__1 = 0.0                                                                                   |  | OK | 0 | Sinazo Mkhwa<br>529940<br>24.02.2025 | Train |
| 10202 | A | Connect the shore supply on TC1 ACU                                                                                                                       |  | OK |   | Sinazo Mkhwa<br>529940<br>24.02.2025 | Train |
| 10203 | R | Read Defined Variable [TT]<br>(MPU1)li_nrg_tc1contactopen400r1 = 0.0                                                                                      |  | OK | 0 | Sinazo Mkhwa<br>529940<br>24.02.2025 | Train |
| 10204 | R | Read Defined Variable [TT]                                                                                                                                |  | OK | 0 | Sinazo Mkhwa<br>529940<br>24.02.2025 | Train |

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|       |   | (MPU1)li_nrg_tc2contactopen400r2___1 = 0.0                               |  |    |   |                                      |       |
| 10205 | R | Read Defined Variable [TT]<br>(MPU1)li_nrg_tc1shoresupply___1 = 0.0      |  | OK | 0 | Sinazo Mkhwa<br>529940<br>24.02.2025 | Train |
| 10206 | R | Read Defined Variable [TT]<br>(MPU1)li_nrg_tc2shoresupply___1 = 0.0      |  | OK | 0 | Sinazo Mkhwa<br>529940<br>24.02.2025 | Train |
| 10207 | A | Force [TT]<br>(MPU1)li_nrg_tc1shoresupply___1 = 1.0                      |  | OK |   | Sinazo Mkhwa<br>529940<br>24.02.2025 | Train |
| 10208 | R | Read Defined Variable [TT]<br>(MPU1)li_nrg_tc1contactopen400r1 = 1.0     |  | OK | 1 | Sinazo Mkhwa<br>529940<br>24.02.2025 | Train |
| 10209 | R | Read Defined Variable [TT]<br>(MPU1)li_nrg_tc2contactopen400r2___1 = 1.0 |  | OK | 1 | Sinazo Mkhwa<br>529940<br>24.02.2025 | Train |
| 10210 | R | The HSCBs open                                                           |  | OK |   | Sinazo Mkhwa<br>529940<br>24.02.2025 | Train |
| 10211 | A | Release [TT]<br>(MPU1)li_nrg_tc1shoresupply___1                          |  | OK |   | Sinazo Mkhwa<br>529940<br>24.02.2025 | Train |
| 10212 | A | Remove shore supply from TC1 ACU                                         |  | OK |   | Sinazo Mkhwa<br>529940<br>24.02.2025 | Train |
| 10213 | R | Read Defined Variable [TT]<br>(MPU1)li_nrg_tc1contactopen400r1 = 1.0     |  | OK | 1 | Sinazo Mkhwa<br>529940<br>24.02.2025 | Train |
| 10214 | R | Read Defined Variable [TT]<br>(MPU1)li_nrg_tc2contactopen400r1___1 = 1.0 |  | OK | 1 | Sinazo Mkhwa<br>529940<br>24.02.2025 | Train |
| 10215 | A | Close HSCB using the button 22S11                                        |  | OK |   | Sinazo Mkhwa<br>529940<br>24.02.2025 | Train |
| 10216 | R | Read Defined Variable [TT]<br>(MPU1)li_nrg_tc1contactopen400r1___1 = 0.0 |  | OK | 0 | Sinazo Mkhwa<br>529940<br>24.02.2025 | Train |
| 10217 | R | Read Defined Variable [TT]<br>(MPU1)li_nrg_tc2contactopen400r1___1 = 0.0 |  | OK | 0 | Sinazo Mkhwa<br>529940<br>24.02.2025 | Train |
| 10218 | A | Connect the shore supply on TC2 ACU                                      |  | OK |   | Sinazo Mkhwa<br>529940<br>24.02.2025 | Train |
| 10219 | R | Read Defined Variable [TT]<br>(MPU1)li_nrg_tc1contactopen400r1 = 0.0     |  | OK | 0 | Sinazo Mkhwa<br>529940<br>24.02.2025 | Train |
| 10220 | R | Read Defined Variable [TT]<br>(MPU1)li_nrg_tc2contactopen400r2___1 = 0.0 |  | OK | 0 | Sinazo Mkhwa<br>529940<br>24.02.2025 | Train |

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| 10221 | R | Read Defined Variable [TT]<br>(MPU1)li_nrg_tc1shoresupply__1 = 0.0      |  | OK | 0 | Sinazo Mkhwa<br>529940<br>24.02.2025     | Train |
| 10222 | R | Read Defined Variable [TT]<br>(MPU1)li_nrg_tc2shoresupply__1 = 0.0      |  | OK | 0 | Sinazo Mkhwa<br>529940<br>24.02.2025     | Train |
| 10223 | A | Force [TT]<br>(MPU1)li_nrg_tc2shoresupply__1 = 1.0                      |  | OK |   | Sinazo Mkhwa<br>529940<br>24.02.2025     | Train |
| 10224 | R | Read Defined Variable [TT]<br>(MPU1)li_nrg_tc1contactopen400r1 = 1.0    |  | OK | 1 | Sinazo Mkhwa<br>529940<br>24.02.2025     | Train |
| 10225 | R | Read Defined Variable [TT]<br>(MPU1)li_nrg_tc2contactopen400r2__1 = 1.0 |  | OK | 1 | Sinazo Mkhwa<br>529940<br>24.02.2025     | Train |
| 10226 | R | The HSCBs open                                                          |  | OK |   | Sinazo Mkhwa<br>529940<br>24.02.2025     | Train |
| 10227 | A | Release [TT]<br>(MPU1)li_nrg_tc2shoresupply__1                          |  | OK |   | Sinazo Mkhwa<br>529940<br>24.02.2025     | Train |
| 10228 | A | Remove shore supply from TC2 ACU                                        |  | OK |   | Sinazo Mkhwa<br>529940<br>24.02.2025     | Train |
| 10229 | R | Read Defined Variable [TT]<br>(MPU1)li_nrg_tc1contactopen400r1 = 1.0    |  | OK | 1 | Sinazo Mkhwa<br>529940<br>24.02.2025     | Train |
| 10230 | R | Read Defined Variable [TT]<br>(MPU1)li_nrg_tc2contactopen400r1__1 = 1.0 |  | OK | 1 | Sinazo Mkhwa<br>529940<br>24.02.2025     | Train |
| 10231 | A | Close HSCB                                                              |  | OK |   | Sinazo Mkhwa<br>529940<br>24.02.2025     | Train |
| 10232 | R | Both ACUs are operational                                               |  | OK |   | Sinazo Mkhwa<br>529940<br>24.02.2025     | Train |
| 10233 | I | ACU reverse mode                                                        |  | OK |   | Mphato Mphahlele<br>480716<br>22.02.2025 | Train |
| 10234 | A | Open HSCB                                                               |  | OK |   | Mphato Mphahlele<br>480716<br>22.02.2025 | Train |
| 10235 | R | Verify on the DDU that the HSCB is open on M1 and M2                    |  | OK |   | Mphato Mphahlele<br>480716<br>22.02.2025 | Train |
| 10236 | R | Verify on the DDU that all HVACs are only operating in Ventilation mode |  | OK |   | Mphato Mphahlele<br>480716<br>22.02.2025 | Train |
| 10237 | R | Verify on the DDU that both CVS are operating in reverse mode           |  | OK |   | Mphato Mphahlele<br>480716<br>22.02.2025 | Train |
| 10238 | R | Verify on the DDU that both MASU are not running                        |  | OK |   | Mphato Mphahlele<br>480716<br>22.02.2025 | Train |

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| 10239 | A | Switch ON the 3kV DC on the catenary                                                       |  | OK |   | Mphato Mphahlele<br>480716<br>22.02.2025 | Train |
| 10240 | A | Close HSCB using button 22S11                                                              |  | OK |   | Mphato Mphahlele<br>480716<br>22.02.2025 | Train |
| 10241 | R | Line voltage indicator shows at least 2.7kV DC                                             |  | OK |   | Mphato Mphahlele<br>480716<br>22.02.2025 | Train |
| 10242 | R | Verify on the DDU that the HSCB is closed on M1 and M2                                     |  | OK |   | Mphato Mphahlele<br>480716<br>22.02.2025 | Train |
| 10243 | R | Verify on the DDU that all HVACs are operating under normal condition                      |  | OK |   | Mphato Mphahlele<br>480716<br>22.02.2025 | Train |
| 10244 | I | Automatic Train De-preparation & Auxiliary Converter status TC2                            |  | OK |   | Mphato Mphahlele<br>480716<br>22.02.2025 | Train |
| 10245 | A | Press the Automatic start button 20S1 on the Driver's Desk or Virtual button on DDU screen |  | OK |   | Mphato Mphahlele<br>480716<br>22.02.2025 | Train |
| 10246 | R | Read Defined Variable [TT]<br>(MPU1)li_cab_tc1automaticstart2 = 0.0                        |  | OK | 0 | Mphato Mphahlele<br>480716<br>22.02.2025 | Train |
| 10247 | R | Read Defined Variable [TT]<br>(MPU1)li_cab_tc2automaticstart1 = 0.0                        |  | OK | 0 | Mphato Mphahlele<br>480716<br>22.02.2025 | Train |
| 10248 | R | Read Defined Variable [TT]<br>PNT_AllPantoRaised = 0.0                                     |  | OK | 0 | Mphato Mphahlele<br>480716<br>22.02.2025 | Train |
| 10249 | R | Read Defined Variable [TT]<br>HSC_HscbClosedNum = 0.0                                      |  | OK | 0 | Mphato Mphahlele<br>480716<br>22.02.2025 | Train |
| 10250 | R | Train is in LV ready                                                                       |  | OK |   | Mphato Mphahlele<br>480716<br>22.02.2025 | Train |
| 10251 | I | Automatic train preparation and de-preparation on TC2                                      |  | OK |   | Mphato Mphahlele<br>480716<br>22.02.2025 | Train |
| 10252 | A | Insert the Driver's master key on TC2 and turn it to ON position                           |  | OK |   | Mphato Mphahlele<br>480716<br>22.02.2025 | Train |
| 10253 | A | Close the battery contactor 18S1                                                           |  | OK |   | Mphato Mphahlele<br>480716<br>22.02.2025 | Train |
| 10254 | A | After the TCMS successful initialization, press the automatic start button 20S1            |  | OK |   | Mphato Mphahlele<br>480716<br>22.02.2025 | Train |
| 10255 | R | Train is prepared in high voltage                                                          |  | OK |   | Mphato Mphahlele<br>480716<br>22.02.2025 | Train |
| 10256 | A | Press the automatic start button 20S1 to de-prepare the train                              |  | OK |   | Mphato Mphahlele<br>480716<br>22.02.2025 | Train |



|       |   |                                                                                                |  |    |   |                                          |       |
|-------|---|------------------------------------------------------------------------------------------------|--|----|---|------------------------------------------|-------|
| 10257 | R | Train is in LV ready                                                                           |  | OK |   | Mphato Mphahlele<br>480716<br>22.02.2025 | Train |
| 10258 | A | Open the battery contactor 18S1 to shut down the train                                         |  | OK |   | Mphato Mphahlele<br>480716<br>22.02.2025 | Train |
| 10259 | R | After few seconds, the train is successfully shutdown                                          |  | OK |   | Mphato Mphahlele<br>480716<br>22.02.2025 | Train |
| 10260 | A | Close the battery contactor 18S1                                                               |  | OK |   | Mphato Mphahlele<br>480716<br>22.02.2025 | Train |
| 10261 | A | Wait for the TCMS to successfully initialize                                                   |  | OK |   | Mphato Mphahlele<br>480716<br>22.02.2025 | Train |
| 10262 | A | Before the PACIS initialize, open, and HOLD the battery contactor 18S1 and read the following: |  | OK |   | Mphato Mphahlele<br>480716<br>22.02.2025 | Train |
| 10263 | R | Read Defined Variable [TT]<br>(MPU1)li_nrg_tc2battotffreqr1___1 = 1.0                          |  | OK | 1 | Mphato Mphahlele<br>480716<br>22.02.2025 | Train |
| 10264 | R | Read Defined Variable [TT]<br>(MPU1)li_nrg_tc2battotffreqr2___1 = 1.0                          |  | OK | 1 | Mphato Mphahlele<br>480716<br>22.02.2025 | Train |
| 10265 | A | Release battery contactor 18S1                                                                 |  | OK |   | Mphato Mphahlele<br>480716<br>22.02.2025 | Train |
| 10266 | A | Once the PACIS has successfully initialized, Open the battery contactor 18S1.                  |  | OK |   | Mphato Mphahlele<br>480716<br>22.02.2025 | Train |
| 10267 | A | Insert the Driver's master key on TC1 and turn it to ON position                               |  | OK |   | Mphato Mphahlele<br>480716<br>22.02.2025 | Train |
| 10268 | A | Close the battery contactor 18S1                                                               |  | OK |   | Mphato Mphahlele<br>480716<br>22.02.2025 | Train |
| 10269 | A | Wait for the TCMS to successfully initialize                                                   |  | OK |   | Mphato Mphahlele<br>480716<br>22.02.2025 | Train |
| 10270 | R | Train is in LV ready                                                                           |  | OK |   | Mphato Mphahlele<br>480716<br>22.02.2025 | Train |
| 10271 | A | Open the battery contactor 18S1 to shut down the train                                         |  | OK |   | Mphato Mphahlele<br>480716<br>22.02.2025 | Train |
| 10272 | A | Close the battery contactor 18S1                                                               |  | OK |   | Mphato Mphahlele<br>480716<br>22.02.2025 | Train |
| 10273 | A | Wait for the TCMS to successfully initialize                                                   |  | OK |   | Mphato Mphahlele<br>480716<br>22.02.2025 | Train |
| 10274 | A | Before the PACIS initialize, open, and HOLD the battery contactor 18S1 and read the following: |  | OK |   | Mphato Mphahlele<br>480716<br>22.02.2025 | Train |

|       |   |                                                                                  |  |    |   |                                          |       |
|-------|---|----------------------------------------------------------------------------------|--|----|---|------------------------------------------|-------|
| 10275 | R | Read Defined Variable [TT]<br>(MPU1)li_nrg_tc1battotffreqr1___1 = 1.0            |  | OK | 1 | Mphato Mphahlele<br>480716<br>22.02.2025 | Train |
| 10276 | R | Read Defined Variable [TT]<br>(MPU1)li_nrg_tc1battotffreqr2___1 = 1.0            |  | OK | 1 | Mphato Mphahlele<br>480716<br>22.02.2025 | Train |
| 10277 | A | Release battery contactor 18S1                                                   |  | OK |   | Mphato Mphahlele<br>480716<br>22.02.2025 | Train |
| 10278 | A | Once the PACIS has successfully initialized,<br>Open the battery contactor 18S1. |  | OK |   | Mphato Mphahlele<br>480716<br>22.02.2025 | Train |
| 10279 | I | End of test                                                                      |  | OK |   | Sinazo Mkhwa<br>529940<br>24.02.2025     | Train |



Serial Tests Report  
TS270 – TFS  
RTR Train Functional Static Test Report

Document Reference  
GIB0000007854  
Version: A0

Emission date  
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## Section 5 – Computer Network and DDU Screen

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### 5.1 Instructions list

### 5.1.1 025\_NET-Computer Network and DDU Screen

I - Information      A - Action      R - Result      NE - Not Executed

| N°    | Type | Instruction                                                                                                              | File | Result status | Result value | Operator                                 | Vehicle |
|-------|------|--------------------------------------------------------------------------------------------------------------------------|------|---------------|--------------|------------------------------------------|---------|
| 10001 | I    | Computer Network and DDU Screen = SPP 025                                                                                |      | OK            |              | Siphehile Mchunu<br>491465<br>22.02.2025 | Train   |
| 10002 | I    | TCMS Network Loop                                                                                                        |      | OK            |              | Siphehile Mchunu<br>491465<br>22.02.2025 | Train   |
| 10003 | I    | This is a reflectometry test to check the TCMS complete loop                                                             |      | OK            |              | Siphehile Mchunu<br>491465<br>22.02.2025 | Train   |
| 10004 | I    | Please save each result on the Fluke using the cable number given per line                                               |      | OK            |              | Siphehile Mchunu<br>491465<br>22.02.2025 | Train   |
| 10005 | R    | There is good connection between CRS1-TC1[25A10] port X4 and CRS1-M1[25A10] port X3 TSX T01<br><br>Cable is crossed      |      | OK            |              | Siphehile Mchunu<br>491465<br>22.02.2025 | Train   |
| 10006 | R    | There is good connection between CRS4-TC1[25A13] port X3 and CRS1-M4[25A10] port X4 TSX T02<br><br>Cable is crossed      |      | OK            |              | Siphehile Mchunu<br>491465<br>22.02.2025 | Train   |
| 10007 | R    | There is good connection between TRS-TC1[25A15] port ETH3 and TBR-M4[25A14] port ETH0<br>TSX T03<br><br>Cable is crossed |      | OK            |              | Siphehile Mchunu<br>491465<br>22.02.2025 | Train   |
| 10008 | R    | There is good connection between TBR-TC1 [25A14]ETH1 and TBR-M1[25A14]ETH0<br>TSX T04<br><br>Cable is crossed            |      | OK            |              | Siphehile Mchunu<br>491465<br>22.02.2025 | Train   |
| 10009 | R    | There is good connection between TBR-M4[25A14]ETH1 and TBR-M2[25A14]ETH1<br>TSX T05<br><br>Cable is crossed              |      | OK            |              | Siphehile Mchunu<br>491465<br>22.02.2025 | Train   |
| 10010 | R    | There is good connection between CRS2-M4[25A11] port X3 and CRS2-M2[25A11] port X4<br>TSX T06                            |      | OK            |              | Siphehile Mchunu<br>491465<br>22.02.2025 | Train   |

|       |   |                                                                                                                     |  |    |  |                                          |       |
|-------|---|---------------------------------------------------------------------------------------------------------------------|--|----|--|------------------------------------------|-------|
|       |   | Cable is crossed                                                                                                    |  |    |  |                                          |       |
| 10011 | R | There is good connection between CRS2-M1[25A11] port X4 and CRS2-M3[25A11] port X3 TSX T07<br><br>Cable is crossed  |  | OK |  | Siphehile Mchunu<br>491465<br>22.02.2025 | Train |
| 10012 | R | There is good connection between TBR-M1[25A14]ETH1 and TBR-M3[25A14]ETH1 TSX T08<br><br>Cable is crossed            |  | OK |  | Siphehile Mchunu<br>491465<br>22.02.2025 | Train |
| 10013 | R | There is good connection between CRS1-M2[25A10] port X3 and CRS1-TC2[25A10] port X4 TSX T09<br><br>Cable is crossed |  | OK |  | Siphehile Mchunu<br>491465<br>22.02.2025 | Train |
| 10014 | R | There is good connection between TBR-M2[25A14]ETH0 and TBR-TC2[25A14]ETH1 TSX T10<br><br>Cable is crossed           |  | OK |  | Siphehile Mchunu<br>491465<br>22.02.2025 | Train |
| 10015 | R | There is good connection between CRS1-M3[25A10] port X4 and CRS3-TC2[25A12] port X3 TSX T11<br><br>Cable is crossed |  | OK |  | Siphehile Mchunu<br>491465<br>22.02.2025 | Train |
| 10016 | R | There is good connection between TBR-M3[25A14]ETH0 and TRS-TC2[25A15]ETH1 TSX T12<br><br>Cable is crossed           |  | OK |  | Siphehile Mchunu<br>491465<br>22.02.2025 | Train |
| 10017 | I | Pacis Network Loop                                                                                                  |  | OK |  | Siphehile Mchunu<br>491465<br>22.02.2025 | Train |
| 10018 | R | There is good connection between TRS1-TC1[54A13]ETH7 and CRS1-M4[54A10]port X7 TSX P01<br><br>Cable is crossed      |  | OK |  | Siphehile Mchunu<br>491465<br>22.02.2025 | Train |
| 10019 | R | There is good connection between CRS1-TC1[54A10]port X7 and CRS2-M1[54A11]port X8 TSX P02<br><br>Cable is crossed   |  | OK |  | Siphehile Mchunu<br>491465<br>22.02.2025 | Train |
| 10020 | R | There is good connection between CRS2-M4[54A11]port X8 and CRS1-M2[54A10]port X7 TSX P03                            |  | OK |  | Siphehile Mchunu<br>491465<br>22.02.2025 | Train |

|       |   |                                                                                                                   |  |    |   |                                             |       |
|-------|---|-------------------------------------------------------------------------------------------------------------------|--|----|---|---------------------------------------------|-------|
|       |   | Cable is crossed                                                                                                  |  |    |   |                                             |       |
| 10021 | R | There is good connection between CRS1-M1[54A10]port X7 and CRS2-M3[54A11]port X8 TSX P04<br><br>Cable is crossed  |  | OK |   | Siphesihle Mchunu<br>491465<br>22.02.2025   | Train |
| 10022 | R | There is good connection between CRS2-M2[54A11]port X8 and CRS1-TC2[54A10]port X7 TSX P05<br><br>Cable is crossed |  | OK |   | Siphesihle Mchunu<br>491465<br>22.02.2025   | Train |
| 10023 | R | There is good connection between CRS1-M3[54A10]port X7 and TRS1-TC2[54A13]ETH7 TSX P06<br><br>Cable is crossed    |  | OK |   | Siphesihle Mchunu<br>491465<br>22.02.2025   | Train |
| 10024 | A | Download the results from the Fluke into a PDF format and upload it below                                         |  | OK |   | Kealeboga Mocwagole<br>411330<br>05.03.2025 | Train |
| 10025 | I | MCE Redundancy Test                                                                                               |  | OK |   | Siphesihle Mchunu<br>491465<br>22.02.2025   | Train |
| 10026 | A | Switch ON the train in TC1 in Normal mode                                                                         |  | OK |   | Siphesihle Mchunu<br>491465<br>22.02.2025   | Train |
| 10027 | I | MCE in TC1 should be the master MCE to begin the test                                                             |  | OK |   | Siphesihle Mchunu<br>491465<br>22.02.2025   | Train |
| 10028 | R | Read Defined Variable [TT]<br>(MPU1)NET_LocalMcelsMaster = 1.0                                                    |  | OK | 1 | Siphesihle Mchunu<br>491465<br>22.02.2025   | Train |
| 10029 | R | Read Defined Variable [TT]<br>(MPU2)NET_LocalMcelsMaster = 0.0                                                    |  | OK | 0 | Siphesihle Mchunu<br>491465<br>22.02.2025   | Train |
| 10030 | A | Open the circuit breaker 40Q1 in TC1                                                                              |  | OK |   | Siphesihle Mchunu<br>491465<br>22.02.2025   | Train |
| 10031 | I | The MCE in TC2 becomes the master MCE                                                                             |  | OK |   | Siphesihle Mchunu<br>491465<br>22.02.2025   | Train |
| 10032 | R | Read Defined Variable [TT]<br>(MPU2)NET_LocalMcelsMaster = 1.0                                                    |  | OK | 1 | Siphesihle Mchunu<br>491465<br>22.02.2025   | Train |
| 10033 | A | Close circuit breaker 40Q1 in TC1                                                                                 |  | OK |   | Siphesihle Mchunu<br>491465<br>22.02.2025   | Train |
| 10034 | A | Open circuit breaker 40Q1 in TC2                                                                                  |  | OK |   | Siphesihle Mchunu<br>491465<br>22.02.2025   | Train |
| 10035 | I | The MCE in TC1 becomes the Master                                                                                 |  | OK |   | Siphesihle Mchunu<br>491465                 | Train |

|       |   |                                                                |  |    |   |                                           |       |
|-------|---|----------------------------------------------------------------|--|----|---|-------------------------------------------|-------|
|       |   |                                                                |  |    |   | 22.02.2025                                |       |
| 10036 | R | Read Defined Variable [TT]<br>(MPU1)NET_LocalMcelsMaster = 1.0 |  | OK | 1 | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10037 | A | Close the circuit breaker 40Q1 in TC2                          |  | OK |   | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10038 | R | Read Defined Variable [TT]<br>(MPU2)NET_LocalMcelsMaster = 1.0 |  | OK | 1 | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10039 | R | Read Defined Variable [TT]<br>(MPU2)NET_LocalMcelsMaster = 0.0 |  | OK | 0 | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10040 | A | Go to software version on DDU and select<br>RUN BL.            |  | OK |   | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10041 | R | The Train Baseline is : 1.8/10.1/10.2                          |  | OK |   | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10042 | I | End of Test                                                    |  | OK |   | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |





Serial Tests Report  
TS270 – TFS  
RTR Train Functional Static Test Report

Document Reference  
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Emission date  
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## Section 6 – Main Circuit Breaker Control

---

### 6.1 Instructions list

### 6.1.1 022\_HSC-Main Circuit Breaker Control

I - Information      A - Action      R - Result      NE - Not Executed

| N°    | Type | Instruction                                                                                                                                     | File | Result status | Result value | Operator                                 | Vehicle |
|-------|------|-------------------------------------------------------------------------------------------------------------------------------------------------|------|---------------|--------------|------------------------------------------|---------|
| 10001 | I    | Main Circuit Breaker Control=SPP 022                                                                                                            |      | OK            |              | Mphato Mphahlele<br>480716<br>22.02.2025 | Train   |
| 10002 | I    | Initial Conditions                                                                                                                              |      | OK            |              | Mphato Mphahlele<br>480716<br>22.02.2025 | Train   |
| 10003 | I    | This test is to verify the correct operation of the main high voltage circuit breaker.                                                          |      | OK            |              | Mphato Mphahlele<br>480716<br>22.02.2025 | Train   |
| 10004 | I    | Train in LV ready                                                                                                                               |      | OK            |              | Mphato Mphahlele<br>480716<br>22.02.2025 | Train   |
| 10005 | I    | The catenary should be switched OFF                                                                                                             |      | OK            |              | Mphato Mphahlele<br>480716<br>22.02.2025 | Train   |
| 10006 | I    | Circuit breaker 34Q1 should be closed in all Propulsion boxes                                                                                   |      | OK            |              | Mphato Mphahlele<br>480716<br>22.02.2025 | Train   |
| 10007 | I    | No Fire Detection alarm on the DDU screen                                                                                                       |      | OK            |              | Mphato Mphahlele<br>480716<br>22.02.2025 | Train   |
| 10008 | I    | Start Test                                                                                                                                      |      | OK            |              | Mphato Mphahlele<br>480716<br>22.02.2025 | Train   |
| 10009 | I    | HSCB control without High Voltage                                                                                                               |      | OK            |              | Mphato Mphahlele<br>480716<br>22.02.2025 | Train   |
| 10010 | I    | For this test, the HSCB control will be tested with no high voltage present to prevent degraded mode in the train in case there is wiring error |      | OK            |              | Mphato Mphahlele<br>480716<br>22.02.2025 | Train   |
| 10011 | I    | The button 27S5 should not be pressed on both cars                                                                                              |      | OK            |              | Mphato Mphahlele<br>480716<br>22.02.2025 | Train   |
| 10012 | A    | Active Cab on TC1                                                                                                                               |      | OK            |              | Mphato Mphahlele<br>480716<br>22.02.2025 | Train   |
| 10013 | R    | Read Defined Variable [TT]<br>(MPU1)TBCU1_li_DEMCL_HSCB = 0.0                                                                                   |      | OK            | 0            | Mphato Mphahlele<br>480716<br>22.02.2025 | Train   |
| 10014 | R    | Read Defined Variable [TT]<br>(MPU1)tbcu2_li_demcl_hscb = 0.0                                                                                   |      | OK            | 0            | Mphato Mphahlele<br>480716<br>22.02.2025 | Train   |
| 10015 | R    | Read Defined Variable [TT]<br>(MPU1)tbcu3_li_demcl_hscb = 0.0                                                                                   |      | OK            | 0            | Mphato Mphahlele<br>480716<br>22.02.2025 | Train   |

|       |   |                                                               |  |    |   |                                          |       |
|-------|---|---------------------------------------------------------------|--|----|---|------------------------------------------|-------|
| 10016 | R | Read Defined Variable [TT]<br>(MPU1)tbcu4_li_demcl_hscb = 0.0 |  | OK | 0 | Mphato Mphahlele<br>480716<br>22.02.2025 | Train |
| 10017 | R | Read Defined Variable [TT]<br>(MPU1)TBCU1_LI_HSCB_CL = 0.0    |  | OK | 0 | Mphato Mphahlele<br>480716<br>22.02.2025 | Train |
| 10018 | R | Read Defined Variable [TT]<br>(MPU1)tbcu2_li_hscb_cl = 0.0    |  | OK | 0 | Mphato Mphahlele<br>480716<br>22.02.2025 | Train |
| 10019 | R | Read Defined Variable [TT]<br>(MPU1)tbcu3_li_hscb_cl = 0.0    |  | OK | 0 | Mphato Mphahlele<br>480716<br>22.02.2025 | Train |
| 10020 | R | Read Defined Variable [TT]<br>(MPU1)tbcu4_li_hscb_cl = 0.0    |  | OK | 0 | Mphato Mphahlele<br>480716<br>22.02.2025 | Train |
| 10021 | R | Read Defined Variable [TT]<br>(MPU1)TBCU1_LI_HSCB_HOLD = 0.0  |  | OK | 0 | Mphato Mphahlele<br>480716<br>22.02.2025 | Train |
| 10022 | R | Read Defined Variable [TT]<br>(MPU1)tbcu2_li_hscb_hold = 0.0  |  | OK | 0 | Mphato Mphahlele<br>480716<br>22.02.2025 | Train |
| 10023 | R | Read Defined Variable [TT]<br>(MPU1)tbcu3_li_hscb_hold = 0.0  |  | OK | 0 | Mphato Mphahlele<br>480716<br>22.02.2025 | Train |
| 10024 | R | Read Defined Variable [TT]<br>(MPU1)tbcu4_li_hscb_hold = 0.0  |  | OK | 0 | Mphato Mphahlele<br>480716<br>22.02.2025 | Train |
| 10025 | R | Read Defined Variable [TT]<br>(MPU1)TBCU1_LI_HSCB_OP = 1.0    |  | OK | 1 | Mphato Mphahlele<br>480716<br>22.02.2025 | Train |
| 10026 | R | Read Defined Variable [TT]<br>(MPU1)tbcu2_li_hscb_op = 1.0    |  | OK | 1 | Mphato Mphahlele<br>480716<br>22.02.2025 | Train |
| 10027 | R | Read Defined Variable [TT]<br>(MPU1)tbcu3_li_hscb_op = 1.0    |  | OK | 1 | Mphato Mphahlele<br>480716<br>22.02.2025 | Train |
| 10028 | R | Read Defined Variable [TT]<br>(MPU1)tbcu4_li_hscb_op = 1.0    |  | OK | 1 | Mphato Mphahlele<br>480716<br>22.02.2025 | Train |
| 10029 | R | Read Defined Variable [TT]<br>(MPU1)li_hsc_m1hscbopenr2 = 1.0 |  | OK | 1 | Mphato Mphahlele<br>480716<br>22.02.2025 | Train |
| 10030 | R | Read Defined Variable [TT]<br>(MPU1)li_hsc_m2hscbopenr1 = 1.0 |  | OK | 1 | Mphato Mphahlele<br>480716<br>22.02.2025 | Train |
| 10031 | A | Press the button 21S1 to raise<br>Pantographs                 |  | OK |   | Mphato Mphahlele<br>480716<br>22.02.2025 | Train |
| 10032 | A | Force [TT]<br>(MPU1)Lo_HSC_Tc1HSCBCLOSE_R1 =<br>1.0           |  | OK |   | Mphato Mphahlele<br>480716<br>22.02.2025 | Train |
| 10033 | A | Force [TT]<br>(MPU1)Lo_HSC_Tc1HSCBCLOSE_R2 =<br>1.0           |  | OK |   | Mphato Mphahlele<br>480716<br>22.02.2025 | Train |

|       |   |                                                                   |  |    |   |                                          |       |
|-------|---|-------------------------------------------------------------------|--|----|---|------------------------------------------|-------|
| 10034 | A | Force [TT]<br>(MPU1)Lo_HSC_Tc2HSCBCLOSE_R1 = 1.0                  |  | OK |   | Mphato Mphahlele<br>480716<br>22.02.2025 | Train |
| 10035 | A | Force [TT]<br>(MPU1)Lo_HSC_Tc2HSCBCLOSE_R2 = 1.0                  |  | OK |   | Mphato Mphahlele<br>480716<br>22.02.2025 | Train |
| 10036 | R | Read Defined Variable [TT]<br>(MPU1)li_fsd_tc1firedetection = 0.0 |  | OK | 0 | Mphato Mphahlele<br>480716<br>22.02.2025 | Train |
| 10037 | R | Read Defined Variable [TT]<br>(MPU1)li_fsd_tc2firedetection = 0.0 |  | OK | 0 | Mphato Mphahlele<br>480716<br>22.02.2025 | Train |
| 10038 | R | Read Defined Variable [TT]<br>(MPU1)TBCU1_LI_DEMCL_HSCB = 1.0     |  | OK | 1 | Mphato Mphahlele<br>480716<br>22.02.2025 | Train |
| 10039 | R | Read Defined Variable [TT]<br>(MPU1)tbcu2_li_demcl_hscb = 1.0     |  | OK | 1 | Mphato Mphahlele<br>480716<br>22.02.2025 | Train |
| 10040 | R | Read Defined Variable [TT]<br>(MPU1)tbcu3_li_demcl_hscb = 1.0     |  | OK | 1 | Mphato Mphahlele<br>480716<br>22.02.2025 | Train |
| 10041 | R | Read Defined Variable [TT]<br>(MPU1)tbcu4_li_demcl_hscb = 1.0     |  | OK | 1 | Mphato Mphahlele<br>480716<br>22.02.2025 | Train |
| 10042 | R | Read Defined Variable [TT]<br>(MPU1)TBCU1_LI_HSCB_CL = 1.0        |  | OK | 1 | Mphato Mphahlele<br>480716<br>22.02.2025 | Train |
| 10043 | R | Read Defined Variable [TT]<br>(MPU1)tbcu2_li_hscb_cl = 1.0        |  | OK | 1 | Mphato Mphahlele<br>480716<br>22.02.2025 | Train |
| 10044 | R | Read Defined Variable [TT]<br>(MPU1)tbcu3_li_hscb_cl = 1.0        |  | OK | 1 | Mphato Mphahlele<br>480716<br>22.02.2025 | Train |
| 10045 | R | Read Defined Variable [TT]<br>(MPU1)tbcu4_li_hscb_cl = 1.0        |  | OK | 1 | Mphato Mphahlele<br>480716<br>22.02.2025 | Train |
| 10046 | R | Read Defined Variable [TT]<br>(MPU1)TBCU1_LI_HSCB_HOLD = 1.0      |  | OK | 1 | Mphato Mphahlele<br>480716<br>22.02.2025 | Train |
| 10047 | R | Read Defined Variable [TT]<br>(MPU1)tbcu2_li_hscb_hold = 1.0      |  | OK | 1 | Mphato Mphahlele<br>480716<br>22.02.2025 | Train |
| 10048 | R | Read Defined Variable [TT]<br>(MPU1)tbcu3_li_hscb_hold = 1.0      |  | OK | 1 | Mphato Mphahlele<br>480716<br>22.02.2025 | Train |
| 10049 | R | Read Defined Variable [TT]<br>(MPU1)tbcu4_li_hscb_hold = 1.0      |  | OK | 1 | Mphato Mphahlele<br>480716<br>22.02.2025 | Train |
| 10050 | R | Read Defined Variable [TT]<br>(MPU1)TBCU1_LI_HSCB_OP = 0.0        |  | OK | 0 | Mphato Mphahlele<br>480716<br>22.02.2025 | Train |
| 10051 | R | Read Defined Variable [TT]<br>(MPU1)tbcu2_li_hscb_op = 0.0        |  | OK | 0 | Mphato Mphahlele<br>480716<br>22.02.2025 | Train |

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|-------|---|--------------------------------------------------------------------------------------------------------------------|--|----|---|------------------------------------------|-------|
| 10052 | R | Read Defined Variable [TT]<br>(MPU1)tbcu3_li_hscb_op = 0.0                                                         |  | OK | 0 | Mphato Mphahlele<br>480716<br>22.02.2025 | Train |
| 10053 | R | Read Defined Variable [TT]<br>(MPU1)tbcu4_li_hscb_op = 0.0                                                         |  | OK | 0 | Mphato Mphahlele<br>480716<br>22.02.2025 | Train |
| 10054 | R | Read Defined Variable [TT]<br>(MPU1)li_hsc_m1hscbopenr2 = 0.0                                                      |  | OK | 0 | Mphato Mphahlele<br>480716<br>22.02.2025 | Train |
| 10055 | R | Read Defined Variable [TT]<br>(MPU1)li_hsc_m2hscbopenr2 = 0.0                                                      |  | OK | 0 | Mphato Mphahlele<br>480716<br>22.02.2025 | Train |
| 10056 | A | Release [TT]<br>(MPU1)Lo_HSC_Tc1HSCBCLOSE_R1                                                                       |  | OK |   | Mphato Mphahlele<br>480716<br>22.02.2025 | Train |
| 10057 | A | Release [TT]<br>(MPU1)Lo_HSC_Tc1HSCBCLOSE_R2                                                                       |  | OK |   | Mphato Mphahlele<br>480716<br>22.02.2025 | Train |
| 10058 | A | Release [TT]<br>(MPU1)Lo_HSC_Tc2HSCBCLOSE_R1                                                                       |  | OK |   | Mphato Mphahlele<br>480716<br>22.02.2025 | Train |
| 10059 | A | Release [TT]<br>(MPU1)Lo_HSC_Tc2HSCBCLOSE_R2                                                                       |  | OK |   | Mphato Mphahlele<br>480716<br>22.02.2025 | Train |
| 10060 | A | Press the button 21S1 to lower<br>pantographs                                                                      |  | OK |   | Mphato Mphahlele<br>480716<br>22.02.2025 | Train |
| 10061 | I | Traction Converter Isolation TC1                                                                                   |  | OK |   | Mphato Mphahlele<br>480716<br>22.02.2025 | Train |
| 10062 | A | Switch ON the 3kV DC on the catenary                                                                               |  | OK |   | Mphato Mphahlele<br>480716<br>22.02.2025 | Train |
| 10063 | R | Verify on the line display that the catenary<br>voltage is 3kV DC on the line display<br>where the train is parked |  | OK |   | Mphato Mphahlele<br>480716<br>22.02.2025 | Train |
| 10064 | A | Press the button 21S1 to raise<br>pantographs                                                                      |  | OK |   | Mphato Mphahlele<br>480716<br>22.02.2025 | Train |
| 10065 | A | Press the button 22S11 to close HSCBs                                                                              |  | OK |   | Mphato Mphahlele<br>480716<br>22.02.2025 | Train |
| 10066 | R | Button lamp 22S11 is ON                                                                                            |  | OK |   | Mphato Mphahlele<br>480716<br>22.02.2025 | Train |
| 10067 | R | Read Defined Variable [TT]<br>(MPU1)lo_hsc_tc1closehscbpbr1 = 1.0                                                  |  | OK | 1 | Mphato Mphahlele<br>480716<br>22.02.2025 | Train |
| 10068 | R | Read Defined Variable [TT]<br>(MPU1)lo_hsc_tc2closehscbpbr1 = 0.0                                                  |  | OK | 0 | Mphato Mphahlele<br>480716<br>22.02.2025 | Train |
| 10069 | R | Read Defined Variable [TT]<br>(MPU1)li_hsc_tc1tbcubypassm12 = 0.0                                                  |  | OK | 0 | Mphato Mphahlele<br>480716<br>22.02.2025 | Train |

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|-------|---|------------------------------------------------------------------------|--|----|---|------------------------------------------|-------|
| 10070 | R | Read Defined Variable [TT]<br>(MPU1)li_hsc_tc1tbcubypassm34 = 0.0      |  | OK | 0 | Mphato Mphahlele<br>480716<br>22.02.2025 | Train |
| 10071 | R | Read Defined Variable [TT]<br>(MPU1)li_hsc_tc2tbcubypassm12 = 0.0      |  | OK | 0 | Mphato Mphahlele<br>480716<br>22.02.2025 | Train |
| 10072 | R | Read Defined Variable [TT]<br>(MPU1)li_hsc_tc2tbcubypassm34 = 0.0      |  | OK | 0 | Mphato Mphahlele<br>480716<br>22.02.2025 | Train |
| 10073 | R | Read Defined Variable [TT]<br>(MPU1)hsc_tbcu1bypass = 0.0              |  | OK | 0 | Mphato Mphahlele<br>480716<br>22.02.2025 | Train |
| 10074 | R | Read Defined Variable [TT]<br>(MPU1)hsc_tbcu2bypass = 0.0              |  | OK | 0 | Mphato Mphahlele<br>480716<br>22.02.2025 | Train |
| 10075 | R | Read Defined Variable [TT]<br>(MPU1)hsc_tbcu3bypass = 0.0              |  | OK | 0 | Mphato Mphahlele<br>480716<br>22.02.2025 | Train |
| 10076 | R | Read Defined Variable [TT]<br>(MPU1)hsc_tbcu4bypass = 0.0              |  | OK | 0 | Mphato Mphahlele<br>480716<br>22.02.2025 | Train |
| 10077 | A | Put the Traction converter isolation switch<br>22S1 to ISOLATION M1/M2 |  | OK |   | Mphato Mphahlele<br>480716<br>22.02.2025 | Train |
| 10078 | R | Read Defined Variable [TT]<br>(MPU1)li_hsc_tc1tbcubypassm12 = 1.0      |  | OK | 1 | Mphato Mphahlele<br>480716<br>22.02.2025 | Train |
| 10079 | R | Read Defined Variable [TT]<br>(MPU1)hsc_tbcu1bypass = 1.0              |  | OK | 1 | Mphato Mphahlele<br>480716<br>22.02.2025 | Train |
| 10080 | R | Read Defined Variable [TT]<br>(MPU1)hsc_tbcu4bypass = 0.0              |  | OK | 0 | Mphato Mphahlele<br>480716<br>22.02.2025 | Train |
| 10081 | R | Read Defined Variable [TT]<br>(MPU1)li_hsc_tc1tbcubypassm34 = 0.0      |  | OK | 0 | Mphato Mphahlele<br>480716<br>22.02.2025 | Train |
| 10082 | R | Read Defined Variable [TT]<br>(MPU1)hsc_tbcu2bypass = 0.0              |  | OK | 0 | Mphato Mphahlele<br>480716<br>22.02.2025 | Train |
| 10083 | R | Read Defined Variable [TT]<br>(MPU1)hsc_tbcu3bypass = 0.0              |  | OK | 0 | Mphato Mphahlele<br>480716<br>22.02.2025 | Train |
| 10084 | R | Read Defined Variable [TT]<br>(MPU1)lo_hsc_tc1closehscbr2 = 0.0        |  | OK | 0 | Mphato Mphahlele<br>480716<br>22.02.2025 | Train |
| 10085 | R | Read Defined Variable [TT]<br>(MPU1)lo_hsc_tc2closehscbr2 = 1.0        |  | OK | 1 | Mphato Mphahlele<br>480716<br>22.02.2025 | Train |
| 10086 | A | Press the button 22S11 to close HSCB                                   |  | OK |   | Mphato Mphahlele<br>480716<br>22.02.2025 | Train |
| 10087 | A | Both HSCBs are closed                                                  |  | OK |   | Mphato Mphahlele<br>480716<br>22.02.2025 | Train |

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|-------|---|------------------------------------------------------------------------------|--|----|---|------------------------------------------|-------|
| 10088 | A | Put the Traction converter isolation switch 22S1 to NORMAL position          |  | OK |   | Mphato Mphahlele<br>480716<br>22.02.2025 | Train |
| 10089 | A | Open HSCBs                                                                   |  | OK |   | Mphato Mphahlele<br>480716<br>22.02.2025 | Train |
| 10090 | A | Press the virtual button RESET TRACTION FAULTS on the DDU maintenance screen |  | OK |   | Mphato Mphahlele<br>480716<br>22.02.2025 | Train |
| 10091 | A | Press the button 22S11 to close HSCB                                         |  | OK |   | Mphato Mphahlele<br>480716<br>22.02.2025 | Train |
| 10092 | A | Put the Traction converter isolation switch 22S1 to ISOLATION M3/M4          |  | OK |   | Mphato Mphahlele<br>480716<br>22.02.2025 | Train |
| 10093 | R | Read Defined Variable [TT]<br>(MPU1)li_hsc_tc1tbcubypassm12 = 0.0            |  | OK | 0 | Mphato Mphahlele<br>480716<br>22.02.2025 | Train |
| 10094 | R | Read Defined Variable [TT]<br>(MPU1)li_hsc_tc1tbcubypassm34 = 1.0            |  | OK | 1 | Mphato Mphahlele<br>480716<br>22.02.2025 | Train |
| 10095 | R | Read Defined Variable [TT]<br>(MPU1)hsc_tbcu1bypass = 0.0                    |  | OK | 0 | Mphato Mphahlele<br>480716<br>22.02.2025 | Train |
| 10096 | R | Read Defined Variable [TT]<br>(MPU1)hsc_tbcu4bypass = 1.0                    |  | OK | 1 | Mphato Mphahlele<br>480716<br>22.02.2025 | Train |
| 10097 | R | Read Defined Variable [TT]<br>(MPU1)hsc_tbcu3bypass = 0.0                    |  | OK | 0 | Mphato Mphahlele<br>480716<br>22.02.2025 | Train |
| 10098 | R | Read Defined Variable [TT]<br>(MPU1)hsc_tbcu2bypass = 0.0                    |  | OK | 0 | Mphato Mphahlele<br>480716<br>22.02.2025 | Train |
| 10099 | R | Read Defined Variable [TT]<br>(MPU1)lo_hsc_tc1closehscbr2 = 0.0              |  | OK | 0 | Mphato Mphahlele<br>480716<br>22.02.2025 | Train |
| 10100 | R | Read Defined Variable [TT]<br>(MPU1)lo_hsc_tc2closehscbr2 = 1.0              |  | OK | 1 | Mphato Mphahlele<br>480716<br>22.02.2025 | Train |
| 10101 | A | Press the button 22S11 to close HSCB                                         |  | OK |   | Mphato Mphahlele<br>480716<br>22.02.2025 | Train |
| 10102 | A | Both HSCBs are closed                                                        |  | OK |   | Mphato Mphahlele<br>480716<br>22.02.2025 | Train |
| 10103 | A | Put the Traction converter isolation switch 22S1 to NORMAL position          |  | OK |   | Mphato Mphahlele<br>480716<br>22.02.2025 | Train |
| 10104 | A | Open HSCBs                                                                   |  | OK |   | Mphato Mphahlele<br>480716<br>22.02.2025 | Train |
| 10105 | A | Press the virtual button RESET TRACTION FAULTS on the DDU maintenance screen |  | OK |   | Mphato Mphahlele<br>480716<br>22.02.2025 | Train |



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|-------|---|------------------------------------------------------------------------------|--|----|---|------------------------------------------|-------|
| 10106 | A | Press the button 22S11 to close HSCB                                         |  | OK |   | Mphato Mphahlele<br>480716<br>22.02.2025 | Train |
| 10107 | A | Put the Traction converter isolation switch 22S1 to ISOLATION M1+M3/M2+M4    |  | OK |   | Mphato Mphahlele<br>480716<br>22.02.2025 | Train |
| 10108 | R | Read Defined Variable [TT]<br>(MPU1)li_hsc_tc1tbcubypassm12 = 1.0            |  | OK | 1 | Mphato Mphahlele<br>480716<br>22.02.2025 | Train |
| 10109 | R | Read Defined Variable [TT]<br>(MPU1)li_hsc_tc1tbcubypassm34 = 1.0            |  | OK | 1 | Mphato Mphahlele<br>480716<br>22.02.2025 | Train |
| 10110 | R | Read Defined Variable [TT]<br>(MPU1)hsc_tbcu1bypass = 1.0                    |  | OK | 1 | Mphato Mphahlele<br>480716<br>22.02.2025 | Train |
| 10111 | R | Read Defined Variable [TT]<br>(MPU1)hsc_tbcu2bypass = 0.0                    |  | OK | 0 | Mphato Mphahlele<br>480716<br>22.02.2025 | Train |
| 10112 | R | Read Defined Variable [TT]<br>(MPU1)hsc_tbcu3bypass = 0.0                    |  | OK | 0 | Mphato Mphahlele<br>480716<br>22.02.2025 | Train |
| 10113 | R | Read Defined Variable [TT]<br>(MPU1)hsc_tbcu4bypass = 1.0                    |  | OK | 1 | Mphato Mphahlele<br>480716<br>22.02.2025 | Train |
| 10114 | R | Read Defined Variable [TT]<br>(MPU1)li_hsc_m1hscbopenr1 = 1.0                |  | OK | 1 | Mphato Mphahlele<br>480716<br>22.02.2025 | Train |
| 10115 | R | Read Defined Variable [TT]<br>(MPU1)li_hsc_m2hscbopenr1 = 0.0                |  | OK | 0 | Mphato Mphahlele<br>480716<br>22.02.2025 | Train |
| 10116 | A | Put the Traction converter isolation switch 22S1 to NORMAL position          |  | OK |   | Mphato Mphahlele<br>480716<br>22.02.2025 | Train |
| 10117 | A | Press the button 22S11 to close HSCB                                         |  | OK |   | Mphato Mphahlele<br>480716<br>22.02.2025 | Train |
| 10118 | A | Press the virtual button RESET TRACTION FAULTS on the DDU maintenance screen |  | OK |   | Mphato Mphahlele<br>480716<br>22.02.2025 | Train |
| 10119 | R | All Traction units are in service and operational                            |  | OK |   | Mphato Mphahlele<br>480716<br>22.02.2025 | Train |
| 10120 | A | Press the button 22S12 to open the HSCBs                                     |  | OK |   | Mphato Mphahlele<br>480716<br>22.02.2025 | Train |
| 10121 | R | Read Defined Variable [TT]<br>(MPU1)li_hsc_m1hscbopenr2 = 1.0                |  | OK | 1 | Mphato Mphahlele<br>480716<br>22.02.2025 | Train |
| 10122 | R | Read Defined Variable [TT]<br>(MPU1)li_hsc_m2hscbopenr1 = 1.0                |  | OK | 1 | Mphato Mphahlele<br>480716<br>22.02.2025 | Train |
| 10123 | A | Press the button 21S1 to lower both pantographs                              |  | OK |   | Mphato Mphahlele<br>480716<br>22.02.2025 | Train |

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|-------|---|----------------------------------------------------------------------------|--|----|---|------------------------------------------|-------|
| 10124 | R | Read Defined Variable [TT]<br>PNT_AllPantoRaised = 0.0                     |  | OK | 0 | Mphato Mphahlele<br>480716<br>22.02.2025 | Train |
| 10125 | A | Remove active cab on TC1                                                   |  | OK |   | Mphato Mphahlele<br>480716<br>22.02.2025 | Train |
| 10126 | I | HSCB Operation with High Voltage                                           |  | OK |   | Mphato Mphahlele<br>480716<br>22.02.2025 | Train |
| 10127 | A | Active Cab on TC2                                                          |  | OK |   | Mphato Mphahlele<br>480716<br>22.02.2025 | Train |
| 10128 | A | Press the button 21S1 to raise both<br>pantographs                         |  | OK |   | Mphato Mphahlele<br>480716<br>22.02.2025 | Train |
| 10129 | R | Both pantographs are raised successfully                                   |  | OK |   | Mphato Mphahlele<br>480716<br>22.02.2025 | Train |
| 10130 | R | The voltage on the Line Voltage Indicator<br>module is at least 2.7 kV DC  |  | OK |   | Mphato Mphahlele<br>480716<br>22.02.2025 | Train |
| 10131 | A | Press the button 22S11 to close HSCBs                                      |  | OK |   | Mphato Mphahlele<br>480716<br>22.02.2025 | Train |
| 10132 | R | Read Defined Variable [TT]<br>(MPU1)li_nrg_tc1contactopen400r2 =<br>0.0    |  | OK | 0 | Mphato Mphahlele<br>480716<br>22.02.2025 | Train |
| 10133 | R | Read Defined Variable [TT]<br>(MPU1)li_nrg_tc2contactopen400r2__1<br>= 0.0 |  | OK | 0 | Mphato Mphahlele<br>480716<br>22.02.2025 | Train |
| 10134 | R | Read Defined Variable [TT]<br>(MPU1)TBCU1_LI_HSCB_CL = 1.0                 |  | OK | 1 | Mphato Mphahlele<br>480716<br>22.02.2025 | Train |
| 10135 | R | Read Defined Variable [TT]<br>(MPU1)tbcu2_li_hscb_cl = 1.0                 |  | OK | 1 | Mphato Mphahlele<br>480716<br>22.02.2025 | Train |
| 10136 | R | Read Defined Variable [TT]<br>(MPU1)tbcu3_li_hscb_cl = 1.0                 |  | OK | 1 | Mphato Mphahlele<br>480716<br>22.02.2025 | Train |
| 10137 | R | Read Defined Variable [TT]<br>(MPU1)tbcu4_li_hscb_cl = 1.0                 |  | OK | 1 | Mphato Mphahlele<br>480716<br>22.02.2025 | Train |
| 10138 | R | Read Defined Variable [TT]<br>(MPU1)TBCU1_LI_HSCB_HOLD = 1.0               |  | OK | 1 | Mphato Mphahlele<br>480716<br>22.02.2025 | Train |
| 10139 | R | Read Defined Variable [TT]<br>(MPU1)tbcu2_li_hscb_hold = 1.0               |  | OK | 1 | Mphato Mphahlele<br>480716<br>22.02.2025 | Train |
| 10140 | R | Read Defined Variable [TT]<br>(MPU1)tbcu3_li_hscb_hold = 1.0               |  | OK | 1 | Mphato Mphahlele<br>480716<br>22.02.2025 | Train |
| 10141 | R | Read Defined Variable [TT]<br>(MPU1)tbcu4_li_hscb_hold = 1.0               |  | OK | 1 | Mphato Mphahlele<br>480716<br>22.02.2025 | Train |

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|-------|---|------------------------------------------------------------------------|--|----|---|------------------------------------------|-------|
| 10142 | R | Read Defined Variable [TT]<br>(MPU1)tbcu1_li_hscb_op = 0.0             |  | OK | 0 | Mphato Mphahlele<br>480716<br>22.02.2025 | Train |
| 10143 | R | Read Defined Variable [TT]<br>(MPU1)tbcu2_li_hscb_op = 0.0             |  | OK | 0 | Mphato Mphahlele<br>480716<br>22.02.2025 | Train |
| 10144 | R | Read Defined Variable [TT]<br>(MPU1)tbcu3_li_hscb_op = 0.0             |  | OK | 0 | Mphato Mphahlele<br>480716<br>22.02.2025 | Train |
| 10145 | R | Read Defined Variable [TT]<br>(MPU1)tbcu4_li_hscb_op = 0.0             |  | OK | 0 | Mphato Mphahlele<br>480716<br>22.02.2025 | Train |
| 10146 | I | Traction Converter Isolation TC2                                       |  | OK |   | Mphato Mphahlele<br>480716<br>22.02.2025 | Train |
| 10147 | R | Read Defined Variable [TT]<br>(MPU1)lo_hsc_tc1closehscbpr1 = 0.0       |  | OK | 0 | Mphato Mphahlele<br>480716<br>22.02.2025 | Train |
| 10148 | R | Read Defined Variable [TT]<br>(MPU1)lo_hsc_tc2closehscbpr1 = 1.0       |  | OK | 1 | Mphato Mphahlele<br>480716<br>22.02.2025 | Train |
| 10149 | R | Read Defined Variable [TT]<br>(MPU1)li_hsc_tc1tbcubypassm12 = 0.0      |  | OK | 0 | Mphato Mphahlele<br>480716<br>22.02.2025 | Train |
| 10150 | R | Read Defined Variable [TT]<br>(MPU1)li_hsc_tc1tbcubypassm34 = 0.0      |  | OK | 0 | Mphato Mphahlele<br>480716<br>22.02.2025 | Train |
| 10151 | R | Read Defined Variable [TT]<br>(MPU1)li_hsc_tc2tbcubypassm12 = 0.0      |  | OK | 0 | Mphato Mphahlele<br>480716<br>22.02.2025 | Train |
| 10152 | R | Read Defined Variable [TT]<br>(MPU1)li_hsc_tc2tbcubypassm34 = 0.0      |  | OK | 0 | Mphato Mphahlele<br>480716<br>22.02.2025 | Train |
| 10153 | R | Read Defined Variable [TT]<br>(MPU1)hsc_tbcu1bypass = 0.0              |  | OK | 0 | Mphato Mphahlele<br>480716<br>22.02.2025 | Train |
| 10154 | R | Read Defined Variable [TT]<br>(MPU1)hsc_tbcu2bypass = 0.0              |  | OK | 0 | Mphato Mphahlele<br>480716<br>22.02.2025 | Train |
| 10155 | R | Read Defined Variable [TT]<br>(MPU1)hsc_tbcu3bypass = 0.0              |  | OK | 0 | Mphato Mphahlele<br>480716<br>22.02.2025 | Train |
| 10156 | R | Read Defined Variable [TT]<br>(MPU1)hsc_tbcu4bypass = 0.0              |  | OK | 0 | Mphato Mphahlele<br>480716<br>22.02.2025 | Train |
| 10157 | R | Read Defined Variable [TT]<br>(MPU1)li_hsc_tc2tbcubypassm34 = 0.0      |  | OK | 0 | Mphato Mphahlele<br>480716<br>22.02.2025 | Train |
| 10158 | A | Put the Traction converter isolation switch<br>22S1 to ISOLATION M1/M2 |  | OK |   | Mphato Mphahlele<br>480716<br>22.02.2025 | Train |
| 10159 | R | Read Defined Variable [TT]<br>(MPU1)li_hsc_tc2tbcubypassm12 = 1.0      |  | OK | 1 | Mphato Mphahlele<br>480716<br>22.02.2025 | Train |

|       |   |                                                                                 |    |   |                                          |       |
|-------|---|---------------------------------------------------------------------------------|----|---|------------------------------------------|-------|
| 10160 | R | Read Defined Variable [TT]<br>(MPU1)hsc_tbcu2bypass = 1.0                       | OK | 1 | Mphato Mphahlele<br>480716<br>22.02.2025 | Train |
| 10161 | R | Read Defined Variable [TT]<br>(MPU1)hsc_tbcu3bypass = 0.0                       | OK | 0 | Mphato Mphahlele<br>480716<br>22.02.2025 | Train |
| 10162 | R | Read Defined Variable [TT]<br>(MPU1)hsc_tbcu4bypass = 0.0                       | OK | 0 | Mphato Mphahlele<br>480716<br>22.02.2025 | Train |
| 10163 | R | Read Defined Variable [TT]<br>(MPU1)lo_hsc_tc1closehscbr2 = 1.0                 | OK | 1 | Mphato Mphahlele<br>480716<br>22.02.2025 | Train |
| 10164 | R | Read Defined Variable [TT]<br>(MPU1)lo_hsc_tc2closehscbr2 = 0.0                 | OK | 0 | Mphato Mphahlele<br>480716<br>22.02.2025 | Train |
| 10165 | A | Press the button 22S11 to close HSCB                                            | OK |   | Mphato Mphahlele<br>480716<br>22.02.2025 | Train |
| 10166 | A | Both HSCBs are closed                                                           | OK |   | Mphato Mphahlele<br>480716<br>22.02.2025 | Train |
| 10167 | A | Put the Traction converter isolation switch<br>22S1 to NORMAL position          | OK |   | Mphato Mphahlele<br>480716<br>22.02.2025 | Train |
| 10168 | A | Open HSCBs                                                                      | OK |   | Mphato Mphahlele<br>480716<br>22.02.2025 | Train |
| 10169 | A | Press the virtual button RESET TRACTION<br>FAULTS on the DDU maintenance screen | OK |   | Mphato Mphahlele<br>480716<br>22.02.2025 | Train |
| 10170 | A | Press the button 22S11 to close HSCB                                            | OK |   | Mphato Mphahlele<br>480716<br>22.02.2025 | Train |
| 10171 | A | Put the Traction converter isolation switch<br>22S1 to ISOLATION M3/M4          | OK |   | Mphato Mphahlele<br>480716<br>22.02.2025 | Train |
| 10172 | R | Read Defined Variable [TT]<br>(MPU1)li_hsc_tc2tbcubypassm12 = 0.0               | OK | 0 | Mphato Mphahlele<br>480716<br>22.02.2025 | Train |
| 10173 | R | Read Defined Variable [TT]<br>(MPU1)li_hsc_tc2tbcubypassm34 = 1.0               | OK | 1 | Mphato Mphahlele<br>480716<br>22.02.2025 | Train |
| 10174 | R | Read Defined Variable [TT]<br>(MPU1)hsc_tbcu1bypass = 0.0                       | OK | 0 | Mphato Mphahlele<br>480716<br>22.02.2025 | Train |
| 10175 | R | Read Defined Variable [TT]<br>(MPU1)hsc_tbcu2bypass = 0.0                       | OK | 0 | Mphato Mphahlele<br>480716<br>22.02.2025 | Train |
| 10176 | R | Read Defined Variable [TT]<br>(MPU1)hsc_tbcu3bypass = 1.0                       | OK | 1 | Mphato Mphahlele<br>480716<br>22.02.2025 | Train |
| 10177 | R | Read Defined Variable [TT]<br>(MPU1)hsc_tbcu4bypass = 0.0                       | OK | 0 | Mphato Mphahlele<br>480716<br>22.02.2025 | Train |

|       |   |                                                                                 |    |   |                                          |       |
|-------|---|---------------------------------------------------------------------------------|----|---|------------------------------------------|-------|
| 10178 | R | Read Defined Variable [TT]<br>(MPU1)lo_hsc_tc1closehscbr2 = 1.0                 | OK | 1 | Mphato Mphahlele<br>480716<br>22.02.2025 | Train |
| 10179 | R | Read Defined Variable [TT]<br>(MPU1)lo_hsc_tc2closehscbr2 = 0.0                 | OK | 0 | Mphato Mphahlele<br>480716<br>22.02.2025 | Train |
| 10180 | A | Press the button 22S11 to close HSCB                                            | OK |   | Mphato Mphahlele<br>480716<br>22.02.2025 | Train |
| 10181 | A | Both HSCBs are closed                                                           | OK |   | Mphato Mphahlele<br>480716<br>22.02.2025 | Train |
| 10182 | A | Put the Traction converter isolation switch<br>22S1 to NORMAL position          | OK |   | Mphato Mphahlele<br>480716<br>22.02.2025 | Train |
| 10183 | A | Open HSCBs                                                                      | OK |   | Mphato Mphahlele<br>480716<br>22.02.2025 | Train |
| 10184 | A | Press the virtual button RESET TRACTION<br>FAULTS on the DDU maintenance screen | OK |   | Mphato Mphahlele<br>480716<br>22.02.2025 | Train |
| 10185 | A | Press the button 22S11 to close HSCB                                            | OK |   | Mphato Mphahlele<br>480716<br>22.02.2025 | Train |
| 10186 | A | Put the Traction converter isolation switch<br>22S1 to ISOLATION M1+M3/M2+M4    | OK |   | Mphato Mphahlele<br>480716<br>22.02.2025 | Train |
| 10187 | R | Read Defined Variable [TT]<br>(MPU1)li_hsc_tc2tbcubypassm12 = 1.0               | OK | 1 | Mphato Mphahlele<br>480716<br>22.02.2025 | Train |
| 10188 | R | Read Defined Variable [TT]<br>(MPU1)li_hsc_tc2tbcubypassm34 = 1.0               | OK | 1 | Mphato Mphahlele<br>480716<br>22.02.2025 | Train |
| 10189 | R | Read Defined Variable [TT]<br>(MPU1)hsc_tbcu1bypass = 0.0                       | OK | 0 | Mphato Mphahlele<br>480716<br>22.02.2025 | Train |
| 10190 | R | Read Defined Variable [TT]<br>(MPU1)hsc_tbcu2bypass = 1.0                       | OK | 1 | Mphato Mphahlele<br>480716<br>22.02.2025 | Train |
| 10191 | R | Read Defined Variable [TT]<br>(MPU1)hsc_tbcu3bypass = 1.0                       | OK | 1 | Mphato Mphahlele<br>480716<br>22.02.2025 | Train |
| 10192 | R | Read Defined Variable [TT]<br>(MPU1)hsc_tbcu4bypass = 0.0                       | OK | 0 | Mphato Mphahlele<br>480716<br>22.02.2025 | Train |
| 10193 | R | Read Defined Variable [TT]<br>(MPU1)lo_hsc_tc1closehscbr2 = 1.0                 | OK | 1 | Mphato Mphahlele<br>480716<br>22.02.2025 | Train |
| 10194 | R | Read Defined Variable [TT]<br>(MPU1)lo_hsc_tc2closehscbr2 = 0.0                 | OK | 0 | Mphato Mphahlele<br>480716<br>22.02.2025 | Train |
| 10195 | A | Put the Traction converter isolation switch<br>22S1 to NORMAL position          | OK |   | Mphato Mphahlele<br>480716<br>22.02.2025 | Train |

|       |   |                                                                              |  |    |  |                                          |       |
|-------|---|------------------------------------------------------------------------------|--|----|--|------------------------------------------|-------|
| 10196 | A | Press the virtual button RESET TRACTION FAULTS on the DDU maintenance screen |  | OK |  | Mphato Mphahlele<br>480716<br>22.02.2025 | Train |
| 10197 | A | Press the button 22S11 to close HSCB                                         |  | OK |  | Mphato Mphahlele<br>480716<br>22.02.2025 | Train |
| 10198 | R | All Traction units are in service and operational                            |  | OK |  | Mphato Mphahlele<br>480716<br>22.02.2025 | Train |
| 10199 | I | End of test                                                                  |  | OK |  | Mphato Mphahlele<br>480716<br>22.02.2025 | Train |



Serial Tests Report  
TS270 – TFS  
RTR Train Functional Static Test Report

Document Reference  
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## Section 7 – Cabin Control

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### 7.1 Instructions list



### 7.1.1 020\_CAB-Cabin Control

I - Information      A - Action      R - Result      NE - Not Executed

| N°    | Type | Instruction                                                                  | File | Result status | Result value | Operator                                  | Vehicle |
|-------|------|------------------------------------------------------------------------------|------|---------------|--------------|-------------------------------------------|---------|
| 10001 | I    | Cabin Control SPP=020                                                        |      | OK            |              | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train   |
| 10002 | I    | Initial Condition                                                            |      | OK            |              | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train   |
| 10003 | I    | Backup switch should be in Normal Position                                   |      | OK            |              | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train   |
| 10004 | I    | Train should be OFF                                                          |      | OK            |              | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train   |
| 10005 | I    | Start Test                                                                   |      | OK            |              | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train   |
| 10006 | I    | Cab Active TC1                                                               |      | OK            |              | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train   |
| 10007 | A    | Insert Driver's Master key and turn it to ON position                        |      | OK            |              | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train   |
| 10008 | A    | Close the battery contactor 18S1                                             |      | OK            |              | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train   |
| 10009 | R    | Train successfully start up in normal mode                                   |      | OK            |              | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train   |
| 10010 | A    | Put the direction selector switch to FORWARD position                        |      | OK            |              | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train   |
| 10011 | A    | Try to put the Driver's master key in OFF position or remove it from the cab |      | OK            |              | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train   |
| 10012 | R    | It is not possible to remove or turn the Driver's master key                 |      | OK            |              | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train   |
| 10013 | A    | Put the direction selector switch to NEUTRAL position                        |      | OK            |              | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train   |
| 10014 | R    | Read Defined Variable [TT]<br>(MPU1)li_cab_tc1cabinactiveno = 1.0            |      | OK            | 1            | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train   |
| 10015 | A    | Turn key to non-active cab                                                   |      | OK            |              | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train   |
| 10016 | A    | Open and close circuit breaker 20Q2                                          |      | OK            |              | Siphesihle Mchunu<br>491465               | Train   |

|       |   |                                                                         |  |    |   |                                           |       |
|-------|---|-------------------------------------------------------------------------|--|----|---|-------------------------------------------|-------|
|       |   |                                                                         |  |    |   | 22.02.2025                                |       |
| 10017 | R | Read Defined Variable [TT]<br>(MPU1)li_cab_tc1masterkey__1 = 0.0        |  | OK | 0 | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10018 | R | Read Defined Variable [TT]<br>(MPU1)li_cab_tc2masterkey__1 = 0.0        |  | OK | 0 | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10019 | R | Read Defined Variable [TT]<br>(MPU1)li_cab_tc1keyrelayr2 = 1.0          |  | OK | 1 | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10020 | R | Read Defined Variable [TT]<br>(MPU1)Li_CAB_Tc1KeyRelayR1 = 1.0          |  | OK | 1 | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10021 | R | Read Defined Variable [TT]<br>(MPU1)li_cab_tc1keyrelayr2 = 1.0          |  | OK | 1 | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10022 | R | Read Defined Variable [TT]<br>(MPU1)li_cab_tc1cabinactiver1 = 1.0       |  | OK | 1 | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10023 | R | Read Defined Variable [TT]<br>(MPU1)li_cab_tc1cabinactiver2 = 0.0       |  | OK | 0 | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10024 | R | Read Defined Variable [TT]<br>(MPU1)li_cab_tc1cabinactiver3 = 1.0       |  | OK | 1 | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10025 | R | Read Defined Variable [TT]<br>(MPU1)Li_CAB_Tc1CabinActiveR4 = 1.0       |  | OK | 1 | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10026 | R | Read Defined Variable [TT]<br>(MPU1)Li_CAB_Tc1CabinActiveR5 = 1.0       |  | OK | 1 | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10027 | R | Read Defined Variable [TT]<br>(MPU1)Li_CAB_Tc1KeyRelayR3 = 1.0          |  | OK | 1 | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10028 | R | Read Defined Variable [TT]<br>(MPU1)Li_CAB_Tc1KeyRelayR4 = 1.0          |  | OK | 1 | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10029 | R | Read Defined Variable [TT]<br>(MPU1)li_cab_tc1othercabinactive__1 = 1.0 |  | OK | 1 | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10030 | R | Read Defined Variable [TT]<br>(MPU1)li_cab_tc2othercabinactive__1 = 1.0 |  | OK | 1 | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10031 | A | Active cab on TC1                                                       |  | OK |   | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10032 | R | Read Defined Variable [TT]<br>(MPU1)li_cab_tc1cabinactiveno = 1.0       |  | OK | 1 | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10033 | R | Read Defined Variable [TT]<br>(MPU1)li_cab_tc1masterkey__1 = 1.0        |  | OK | 1 | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |

|       |   |                                                                                     |  |    |   |                                          |       |
|-------|---|-------------------------------------------------------------------------------------|--|----|---|------------------------------------------|-------|
| 10034 | R | Read Defined Variable [TT]<br>(MPU1)li_cab_tc2masterkey__1 = 0.0                    |  | OK | 0 | Siphehile Mchunu<br>491465<br>22.02.2025 | Train |
| 10035 | R | Read Defined Variable [TT]<br>(MPU1)Li_CAB_Tc1KeyRelayR1 = 0.0                      |  | OK | 0 | Siphehile Mchunu<br>491465<br>22.02.2025 | Train |
| 10036 | R | Read Defined Variable [TT]<br>(MPU1)li_cab_tc1keyrelayr2 = 0.0                      |  | OK | 0 | Siphehile Mchunu<br>491465<br>22.02.2025 | Train |
| 10037 | R | Read Defined Variable [TT]<br>(MPU1)Li_CAB_Tc1KeyRelayR3 = 0.0                      |  | OK | 0 | Siphehile Mchunu<br>491465<br>22.02.2025 | Train |
| 10038 | R | Read Defined Variable [TT]<br>(MPU1)Li_CAB_Tc1KeyRelayR4 = 0.0                      |  | OK | 0 | Siphehile Mchunu<br>491465<br>22.02.2025 | Train |
| 10039 | R | Read Defined Variable [TT]<br>(MPU1)li_cab_tc1cabinactiver1 = 0.0                   |  | OK | 0 | Siphehile Mchunu<br>491465<br>22.02.2025 | Train |
| 10040 | R | Read Defined Variable [TT]<br>(MPU1)li_cab_tc1cabinactiver2 = 1.0                   |  | OK | 1 | Siphehile Mchunu<br>491465<br>22.02.2025 | Train |
| 10041 | R | Read Defined Variable [TT]<br>(MPU1)li_cab_tc1cabinactiver3 = 0.0                   |  | OK | 0 | Siphehile Mchunu<br>491465<br>22.02.2025 | Train |
| 10042 | R | Read Defined Variable [TT]<br>(MPU1)Li_CAB_Tc1CabinActiveR4 = 0.0                   |  | OK | 0 | Siphehile Mchunu<br>491465<br>22.02.2025 | Train |
| 10043 | R | Read Defined Variable [TT]<br>(MPU1)Li_CAB_Tc1CabinActiveR5 = 0.0                   |  | OK | 0 | Siphehile Mchunu<br>491465<br>22.02.2025 | Train |
| 10044 | R | Read Defined Variable [TT]<br>(MPU1)li_cab_tc1othercabinactive__1<br>= 1.0          |  | OK | 1 | Siphehile Mchunu<br>491465<br>22.02.2025 | Train |
| 10045 | R | Read Defined Variable [TT]<br>(MPU1)li_cab_tc2othercabinactive__1<br>= 0.0          |  | OK | 0 | Siphehile Mchunu<br>491465<br>22.02.2025 | Train |
| 10046 | I | Train Preparation with Automatic Start<br>button TC1                                |  | OK |   | Siphehile Mchunu<br>491465<br>22.02.2025 | Train |
| 10047 | R | Read Defined Variable [TT]<br>(MPU1)lo_cab_tc1automaticstartr1 = 0.0                |  | OK | 0 | Siphehile Mchunu<br>491465<br>22.02.2025 | Train |
| 10048 | R | Read Defined Variable [TT]<br>PNT_AllPantoRaised = 0.0                              |  | OK | 0 | Siphehile Mchunu<br>491465<br>22.02.2025 | Train |
| 10049 | R | Read Defined Variable [TT]<br>HSC_HscbClosedNum = 0.0                               |  | OK | 0 | Siphehile Mchunu<br>491465<br>22.02.2025 | Train |
| 10050 | A | Press the automatic start button 20S1                                               |  | OK |   | Siphehile Mchunu<br>491465<br>22.02.2025 | Train |
| 10051 | R | Button lamp 20S1 will flash during train<br>preparation and then light steady after |  | OK |   | Siphehile Mchunu<br>491465<br>22.02.2025 | Train |

|       |   |                                                                       |  |    |   |                                           |       |
|-------|---|-----------------------------------------------------------------------|--|----|---|-------------------------------------------|-------|
|       |   | preparation process is finish                                         |  |    |   |                                           |       |
| 10052 | R | Read Defined Variable [TT]<br>(MPU1)lo_cab_tc1automaticstartr1 = 1.0  |  | OK | 1 | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10053 | R | Read Defined Variable [TT]<br>PNT_AllPantoRaised = 1.0                |  | OK | 1 | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10054 | R | Read Defined Variable [TT]<br>HSC_HscbClosedNum = 2.0                 |  | OK | 2 | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10055 | I | Train De-preparation with Automatic Start<br>button TC1               |  | OK |   | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10056 | A | Press the automatic start button 20S1                                 |  | OK |   | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10057 | A | Timer 5.0 S                                                           |  | OK |   | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10058 | R | Read Defined Variable [TT]<br>(MPU1)lo_cab_tc1automaticstartr1 = 0.0  |  | OK | 0 | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10059 | R | Read Defined Variable [TT]<br>PNT_AllPantoRaised = 0.0                |  | OK | 0 | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10060 | R | Read Defined Variable [TT]<br>HSC_HscbClosedNum = 0.0                 |  | OK | 0 | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10061 | A | Remove active cab on TC1                                              |  | OK |   | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10062 | I | Standby mode TC1                                                      |  | OK |   | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10063 | A | Active cab on TC1                                                     |  | OK |   | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10064 | A | Press the automatic start button 20S1                                 |  | OK |   | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10065 | A | Remove active Cab on TC1                                              |  | OK |   | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10066 | A | Manually isolate EB on M4 using the<br>pneumatic cock C2.3/1          |  | OK |   | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10067 | A | Press the standby mode button 20S2 and<br>maintain it                 |  | OK |   | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10068 | A | Manually isolate EB on TC1 using the<br>pneumatic cock C1.3/1         |  | OK |   | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10069 | R | The pantograph lower and both HSCB<br>open, then the train shuts down |  | OK |   | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |

|       |   |                                                                              |  |    |   |                                           |       |
|-------|---|------------------------------------------------------------------------------|--|----|---|-------------------------------------------|-------|
|       |   | automatically                                                                |  |    |   |                                           |       |
| 10070 | A | Normalize the cock on M4                                                     |  | OK |   | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10071 | A | Normalize the cock on TC1                                                    |  | OK |   | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10072 | A | Cab Active TC2                                                               |  | OK |   | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10073 | A | Insert Driver's Master Key and turn it to ON position                        |  | OK |   | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10074 | A | Put the direction selector switch to FORWARD position                        |  | OK |   | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10075 | A | Try to put the Driver's master key in OFF position or remove it from the cab |  | OK |   | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10076 | R | It is not possible to remove or turn the Driver's master key                 |  | OK |   | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10077 | A | Put the direction selector switch to NEUTRAL position                        |  | OK |   | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10078 | A | Turn key to non-active cab                                                   |  | OK |   | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10079 | A | Open and close the circuit breaker 20Q2                                      |  | OK |   | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10080 | R | Read Defined Variable [TT]<br>(MPU1)li_cab_tc2cabinactiveno = 0.0            |  | OK | 0 | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10081 | R | Read Defined Variable [TT]<br>(MPU1)li_cab_tc1masterkey__1 = 0.0             |  | OK | 0 | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10082 | R | Read Defined Variable [TT]<br>(MPU1)li_cab_tc2masterkey__1 = 0.0             |  | OK | 0 | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10083 | R | Read Defined Variable [TT]<br>(MPU1)li_cab_tc2keyrelayr2__1 = 1.0            |  | OK | 1 | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10084 | R | Read Defined Variable [TT]<br>(MPU1)li_cab_tc2keyrelayr1__1 = 1.0            |  | OK | 1 | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10085 | R | Read Defined Variable [TT]<br>(MPU1)Li_CAB_Tc2KeyRelayR4 = 1.0               |  | OK | 1 | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10086 | R | Read Defined Variable [TT]<br>(MPU1)li_cab_tc2keyrelayr3 = 1.0               |  | OK | 1 | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |

|       |   |                                                                            |  |    |   |                                          |       |
|-------|---|----------------------------------------------------------------------------|--|----|---|------------------------------------------|-------|
| 10087 | R | Read Defined Variable [TT]<br>(MPU1)Li_CAB_Tc2CabinActiveR1 = 1.0          |  | OK | 1 | Siphehile Mchunu<br>491465<br>22.02.2025 | Train |
| 10088 | R | Read Defined Variable [TT]<br>(MPU1)Li_CAB_Tc2CabinActiveR2 = 0.0          |  | OK | 0 | Siphehile Mchunu<br>491465<br>22.02.2025 | Train |
| 10089 | R | Read Defined Variable [TT]<br>(MPU1)Li_CAB_Tc2CabinActiveR3 = 1.0          |  | OK | 1 | Siphehile Mchunu<br>491465<br>22.02.2025 | Train |
| 10090 | R | Read Defined Variable [TT]<br>(MPU1)Li_CAB_Tc2CabinActiveR4 = 1.0          |  | OK | 1 | Siphehile Mchunu<br>491465<br>22.02.2025 | Train |
| 10091 | R | Read Defined Variable [TT]<br>(MPU1)Li_CAB_Tc2CabinActiveR5 = 1.0          |  | OK | 1 | Siphehile Mchunu<br>491465<br>22.02.2025 | Train |
| 10092 | R | Read Defined Variable [TT]<br>(MPU1)li_cab_tc1othercabinactive__1<br>= 1.0 |  | OK | 1 | Siphehile Mchunu<br>491465<br>22.02.2025 | Train |
| 10093 | R | Read Defined Variable [TT]<br>(MPU1)li_cab_tc2othercabinactive__1<br>= 1.0 |  | OK | 1 | Siphehile Mchunu<br>491465<br>22.02.2025 | Train |
| 10094 | R | Read Defined Variable [TT]<br>(MPU1)li_cab_tc1othercabinactive__1<br>= 1.0 |  | OK | 1 | Siphehile Mchunu<br>491465<br>22.02.2025 | Train |
| 10095 | A | Active cab on TC2                                                          |  | OK |   | Siphehile Mchunu<br>491465<br>22.02.2025 | Train |
| 10096 | R | Read Defined Variable [TT]<br>(MPU1)li_cab_tc1masterkey__1 = 0.0           |  | OK | 0 | Siphehile Mchunu<br>491465<br>22.02.2025 | Train |
| 10097 | R | Read Defined Variable [TT]<br>(MPU1)li_cab_tc2masterkey__1 = 1.0           |  | OK | 1 | Siphehile Mchunu<br>491465<br>22.02.2025 | Train |
| 10098 | R | Read Defined Variable [TT]<br>(MPU1)li_cab_tc2keyrelayr1__1 = 0.0          |  | OK | 0 | Siphehile Mchunu<br>491465<br>22.02.2025 | Train |
| 10099 | R | Read Defined Variable [TT]<br>(MPU1)li_cab_tc2keyrelayr3 = 0.0             |  | OK | 0 | Siphehile Mchunu<br>491465<br>22.02.2025 | Train |
| 10100 | R | Read Defined Variable [TT]<br>(MPU1)li_cab_tc2keyrelayr2__1 = 0.0          |  | OK | 0 | Siphehile Mchunu<br>491465<br>22.02.2025 | Train |
| 10101 | R | Read Defined Variable [TT]<br>(MPU1)Li_CAB_Tc2KeyRelayR4 = 0.0             |  | OK | 0 | Siphehile Mchunu<br>491465<br>22.02.2025 | Train |
| 10102 | R | Read Defined Variable [TT]<br>(MPU1)Li_CAB_Tc2CabinActiveR1 = 0.0          |  | OK | 0 | Siphehile Mchunu<br>491465<br>22.02.2025 | Train |
| 10103 | R | Read Defined Variable [TT]<br>(MPU1)Li_CAB_Tc2CabinActiveR2 = 1.0          |  | OK | 1 | Siphehile Mchunu<br>491465<br>22.02.2025 | Train |

|       |   |                                                                                                                      |    |   |                                           |       |
|-------|---|----------------------------------------------------------------------------------------------------------------------|----|---|-------------------------------------------|-------|
| 10104 | R | Read Defined Variable [TT]<br>(MPU1)Li_CAB_Tc2CabinActiveR3 = 0.0                                                    | OK | 0 | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10105 | R | Read Defined Variable [TT]<br>(MPU1)Li_CAB_Tc2CabinActiveR4 = 0.0                                                    | OK | 0 | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10106 | R | Read Defined Variable [TT]<br>(MPU1)Li_CAB_Tc2CabinActiveR5 = 0.0                                                    | OK | 0 | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10107 | R | Read Defined Variable [TT]<br>(MPU1)li_cab_tc2cabinactiveno = 1.0                                                    | OK | 1 | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10108 | R | Read Defined Variable [TT]<br>(MPU1)li_cab_tc1othercabinactive__1<br>= 0.0                                           | OK | 0 | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10109 | R | Read Defined Variable [TT]<br>(MPU1)li_cab_tc2othercabinactive__1<br>= 1.0                                           | OK | 1 | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10110 | I | Train Preparation with Automatic Start<br>button TC2                                                                 | OK |   | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10111 | R | Read Defined Variable [TT]<br>(MPU1)li_cab_tc2automaticstartr1 = 0.0                                                 | OK | 0 | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10112 | R | Read Defined Variable [TT]<br>PNT_AllPantoRaised = 0.0                                                               | OK | 0 | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10113 | R | Read Defined Variable [TT]<br>HSC_HscbClosedNum = 0.0                                                                | OK | 0 | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10114 | A | Press the automatic start button 20S1                                                                                | OK |   | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10115 | R | Button lamp 20S1 will flash during train<br>preparation and then light steady after<br>preparation process is finish | OK |   | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10116 | R | Read Defined Variable [TT]<br>(MPU1)lo_cab_tc2automaticstartr1 = 1.0                                                 | OK | 1 | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10117 | R | Read Defined Variable [TT]<br>PNT_AllPantoRaised = 1.0                                                               | OK | 1 | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10118 | R | Read Defined Variable [TT]<br>HSC_HscbClosedNum = 2.0                                                                | OK | 2 | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10119 | I | Train De-preparation with Automatic Start<br>button TC2                                                              | OK |   | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10120 | A | Press the automatic start button 20S1                                                                                | OK |   | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |

|       |   |                                                                                                |    |   |                                           |       |
|-------|---|------------------------------------------------------------------------------------------------|----|---|-------------------------------------------|-------|
| 10121 | R | Read Defined Variable [TT]<br>(MPU1)lo_cab_tc2automaticstartr1 = 0.0                           | OK | 0 | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10122 | R | Read Defined Variable [TT]<br>PNT_AllPantoRaised = 0.0                                         | OK | 0 | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10123 | R | Read Defined Variable [TT]<br>HSC_HscbClosedNum = 0.0                                          | OK | 0 | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10124 | I | Double Cabin and cabin change                                                                  | OK |   | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10125 | I | Each cabin must have its own Driver's Master key                                               | OK |   | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10126 | R | Read Defined Variable [TT]<br>(MPU1)li_cab_tc1cabinactiveno = 0.0                              | OK | 0 | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10127 | R | Read Defined Variable [TT]<br>(MPU1)li_cab_tc2cabinactiveno = 1.0                              | OK | 1 | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10128 | A | Remove active cab on TC2                                                                       | OK |   | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10129 | A | Open and close the circuit breaker 20Q2                                                        | OK |   | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10130 | R | Read Defined Variable [TT]<br>(MPU1)li_cab_tc2cabinactiveno = 0.0                              | OK | 0 | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10131 | R | Read Defined Variable [TT]<br>(MPU1)li_cab_tc1cabinactiveno = 0.0                              | OK | 0 | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10132 | A | Activate the cab on TC2                                                                        | OK |   | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10133 | A | Active cab on TC1                                                                              | OK |   | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10134 | R | IOS 064 appears on the Driver's event list to notify the driver a second key has been inserted | OK |   | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10135 | R | Read Defined Variable [TT]<br>(MPU1)li_cab_tc1cabinactiveno = 0.0                              | OK | 0 | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10136 | R | Read Defined Variable [TT]<br>(MPU1)li_cab_tc2cabinactiveno = 1.0                              | OK | 1 | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10137 | A | Remove active cab on TC2                                                                       | OK |   | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10138 | R | Read Defined Variable [TT]<br>(MPU1)li_cab_tc2cabinactiveno = 0.0                              | OK | 0 | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |



|       |   |                                                                                                   |  |    |   |                                           |       |
|-------|---|---------------------------------------------------------------------------------------------------|--|----|---|-------------------------------------------|-------|
| 10139 | R | IOS 064 disappears on the Driver's event list to notify the driver a second key has been inserted |  | OK |   | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10140 | A | Remove active cab from TC1                                                                        |  | OK |   | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10141 | R | Read Defined Variable [TT]<br>(MPU1)li_cab_tc1cabinactiveno = 1.0                                 |  | OK | 1 | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10142 | R | Read Defined Variable [TT]<br>(MPU1)li_cab_tc2cabinactiveno = 0.0                                 |  | OK | 0 | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10143 | I | Standby mode TC2                                                                                  |  | OK |   | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10144 | A | Active cab on TC2                                                                                 |  | OK |   | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10145 | A | Press the automatic start button 20S1                                                             |  | OK |   | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10146 | A | Remove active Cab on TC2                                                                          |  | OK |   | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10147 | A | Manually isolate EB on M3 using the pneumatic cock C2.3/1                                         |  | OK |   | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10148 | A | Press the standby mode button 20S2 and maintain it                                                |  | OK |   | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10149 | A | Manually isolate EB on TC2 using the pneumatic cock C1.3/1                                        |  | OK |   | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10150 | R | The pantograph lower and both HSCB open, then the train shuts down automatically                  |  | OK |   | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10151 | A | Normalize the cock on M3                                                                          |  | OK |   | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10152 | A | Normalize the cock on TC2                                                                         |  | OK |   | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10153 | I | End of Test                                                                                       |  | OK |   | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |



Serial Tests Report  
TS270 – TFS  
RTR Train Functional Static Test Report

Document Reference  
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Version: A0

Emission date  
27/02/2025

## Section 8 – Internal Lighting

### 8.1 Instructions list

#### 8.1.1 052\_LGT-Internal Lighting

I - Information      A - Action      R - Result      NE - Not Executed

| N°    | Type | Instruction                                                                                        | File | Result status | Result value | Operator                                  | Vehicle |
|-------|------|----------------------------------------------------------------------------------------------------|------|---------------|--------------|-------------------------------------------|---------|
| 10001 | I    | Internal Lighting = SPP 052                                                                        |      | OK            |              | Sizwe Sibanyoni<br>484647<br>22.02.2025   | Train   |
| 10002 | I    | Initial Conditions                                                                                 |      | OK            |              | Sizwe Sibanyoni<br>484647<br>22.02.2025   | Train   |
| 10003 | I    | Train should be off                                                                                |      | OK            |              | Sizwe Sibanyoni<br>484647<br>22.02.2025   | Train   |
| 10004 | I    | Main lighting                                                                                      |      | OK            |              | Sizwe Sibanyoni<br>484647<br>22.02.2025   | Train   |
| 10005 | A    | Press the automatic start button 20S1 to prepare the train in High voltage                         |      | OK            |              | Sizwe Sibanyoni<br>484647<br>22.02.2025   | Train   |
| 10006 | I    | Main lighting is 100% brightness                                                                   |      | OK            |              | Sizwe Sibanyoni<br>484647<br>22.02.2025   | Train   |
| 10007 | R    | Main lighting is (ON) on TC1, verify the left and right LEDs are ON in each row in 100% brightness |      | OK            |              | Siphesihle Mchunu<br>491465<br>27.02.2025 | Train   |
| 10008 | R    | Main lighting is (ON) on M4, verify the left and right LEDs are ON in each row in 100% brightness. |      | OK            |              | Sizwe Sibanyoni<br>484647<br>22.02.2025   | Train   |
| 10009 | R    | Main lighting is (ON) on M1, verify the left and right LEDs are ON in each row in 100% brightness  |      | OK            |              | Sizwe Sibanyoni<br>484647<br>22.02.2025   | Train   |
| 10010 | R    | Main lighting is (ON) on M2, verify the left and right LEDs are ON in each row in 100% brightness  |      | OK            |              | Sizwe Sibanyoni<br>484647<br>22.02.2025   | Train   |
| 10011 | R    | Main lighting is (ON) on M3, verify the left and right LEDs are ON in each row in 100% brightness  |      | OK            |              | Sizwe Sibanyoni<br>484647<br>22.02.2025   | Train   |

|       |   |                                                                                                    |  |    |  |                                         |       |
|-------|---|----------------------------------------------------------------------------------------------------|--|----|--|-----------------------------------------|-------|
| 10012 | R | Main lighting is (ON) on TC2, verify the left and right LEDs are ON in each row in 100% brightness |  | OK |  | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10013 | A | Force [TT] (MPU1)lo_lgt_tc1mainlgtcmd = 0.0                                                        |  | OK |  | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10014 | A | Force [TT] (MPU1)lo_lgt_tc2mainlgtcmd = 0.0                                                        |  | OK |  | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10015 | R | Emergency lighting is (ON) on TC2, brightness has been reduced to low                              |  | OK |  | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10016 | R | Emergency lighting is (ON) on M3, brightness has been reduced to low                               |  | OK |  | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10017 | R | Emergency lighting is (ON) on M2, brightness has been reduced to low                               |  | OK |  | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10018 | R | Emergency lighting is (ON) on M1, brightness has been reduced to low                               |  | OK |  | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10019 | R | Emergency lighting is (ON) on M4, brightness has been reduced to low                               |  | OK |  | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10020 | R | Emergency lighting is (ON) on TC1, brightness has been reduced to low                              |  | OK |  | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10021 | A | Release [TT] (MPU1)lo_lgt_tc1mainlgtcmd                                                            |  | OK |  | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10022 | A | Release [TT] (MPU1)lo_lgt_tc2mainlgtcmd                                                            |  | OK |  | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10023 | I | End of Test                                                                                        |  | OK |  | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |

## Section 9 – Pantograph

---

### 9.1 Instructions list

### 9.1.1 021\_PNT-Pantograph

I - Information      A - Action      R - Result      NE - Not Executed

| N°    | Type | Instruction                                                                            | File | Result status | Result value | Operator                                 | Vehicle |
|-------|------|----------------------------------------------------------------------------------------|------|---------------|--------------|------------------------------------------|---------|
| 10001 | I    | Pantograph = SPP 021                                                                   |      | OK            |              | Mphato Mphahlele<br>480716<br>22.02.2025 | Train   |
| 10002 | I    | Initial Conditions                                                                     |      | OK            |              | Mphato Mphahlele<br>480716<br>22.02.2025 | Train   |
| 10003 | I    | Main pipe should be 10bar                                                              |      | OK            |              | Mphato Mphahlele<br>480716<br>22.02.2025 | Train   |
| 10004 | I    | HSCB is open on M1 and M2 and both pantographs are low                                 |      | OK            |              | Mphato Mphahlele<br>480716<br>22.02.2025 | Train   |
| 10005 | I    | Auxiliary Compressor test must be completed in car level prior to performing this test |      | OK            |              | Mphato Mphahlele<br>480716<br>22.02.2025 | Train   |
| 10006 | I    | Mechanical pantograph test must be completed prior to performing this test             |      | OK            |              | Mphato Mphahlele<br>480716<br>22.02.2025 | Train   |
| 10007 | I    | EARTHING SWITCH T1 is in NORMAL Position on M1                                         |      | OK            |              | Mphato Mphahlele<br>480716<br>22.02.2025 | Train   |
| 10008 | I    | EARTHING SWITCH T1 is in NORMAL Position on M2                                         |      | OK            |              | Mphato Mphahlele<br>480716<br>22.02.2025 | Train   |
| 10009 | I    | HVB1 valve is in NORMAL position on M1                                                 |      | OK            |              | Mphato Mphahlele<br>480716<br>22.02.2025 | Train   |
| 10010 | I    | HVB1 valve is in NORMAL position on M2                                                 |      | OK            |              | Mphato Mphahlele<br>480716<br>22.02.2025 | Train   |
| 10011 | I    | Start of Test                                                                          |      | OK            |              | Mphato Mphahlele<br>480716<br>22.02.2025 | Train   |
| 10012 | A    | Active Cab on TC1                                                                      |      | OK            |              | Mphato Mphahlele<br>480716<br>22.02.2025 | Train   |
| 10013 | I    | Main Tank pressure switch                                                              |      | OK            |              | Mphato Mphahlele<br>480716<br>22.02.2025 | Train   |
| 10014 | I    | Make sure the HSCB is open                                                             |      | OK            |              | Mphato Mphahlele<br>480716<br>22.02.2025 | Train   |
| 10015 | A    | Empty the main pipe using the cock F2.1/1                                              |      | OK            |              | Mphato Mphahlele<br>480716<br>22.02.2025 | Train   |

|       |   |                                                                                                                                 |  |    |   |                                          |       |
|-------|---|---------------------------------------------------------------------------------------------------------------------------------|--|----|---|------------------------------------------|-------|
| 10016 | A | Connect a manometer on valve K2.8 in M1 and measure the pressure                                                                |  | OK |   | Mphato Mphahlele<br>480716<br>22.02.2025 | Train |
| 10017 | A | Drain the air in the auxiliary compressor pipe using the valve K2.5 in M1                                                       |  | OK |   | Mphato Mphahlele<br>480716<br>22.02.2025 | Train |
| 10018 | I | The sensor of the pantograph reservoir should switch when the pressure reaches 5.5 bar(+/- 10%)                                 |  | OK |   | Mphato Mphahlele<br>480716<br>22.02.2025 | Train |
| 10019 | A | Normalize the valve K2.5 and wait                                                                                               |  | OK |   | Mphato Mphahlele<br>480716<br>22.02.2025 | Train |
| 10020 | R | The auxiliary compressor stops when the pressure reaches 7 bar on K2.8                                                          |  | OK |   | Mphato Mphahlele<br>480716<br>22.02.2025 | Train |
| 10021 | A | Connect a manometer on valve K2.8 in M2 and measure the pressure                                                                |  | OK |   | Mphato Mphahlele<br>480716<br>22.02.2025 | Train |
| 10022 | A | Drain the air in the auxiliary compressor pipe using the valve K2.5 in M2 car                                                   |  | OK |   | Mphato Mphahlele<br>480716<br>22.02.2025 | Train |
| 10023 | I | The sensor of the pantograph reservoir should switch when the pressure reaches 5.5 bar(+/- 10%)                                 |  | OK |   | Mphato Mphahlele<br>480716<br>22.02.2025 | Train |
| 10024 | A | Normalize the valve K2.5 and wait                                                                                               |  | OK |   | Mphato Mphahlele<br>480716<br>22.02.2025 | Train |
| 10025 | R | The auxiliary compressor stops when the pressure reaches 7 bar on K2.8                                                          |  | OK |   | Mphato Mphahlele<br>480716<br>22.02.2025 | Train |
| 10026 | A | Normalize the main pipe                                                                                                         |  | OK |   | Mphato Mphahlele<br>480716<br>22.02.2025 | Train |
| 10027 | A | Close the HSCB                                                                                                                  |  | OK |   | Mphato Mphahlele<br>480716<br>22.02.2025 | Train |
| 10028 | A | Remove the manometer                                                                                                            |  | OK |   | Mphato Mphahlele<br>480716<br>22.02.2025 | Train |
| 10029 | A | Insert the nozzle of the manometer on M2 without the manometer connected, to drain the air when the auxiliary compressor starts |  | OK |   | Mphato Mphahlele<br>480716<br>22.02.2025 | Train |
| 10030 | A | Close the circuit breaker 21Q1 in M2                                                                                            |  | OK |   | Mphato Mphahlele<br>480716<br>22.02.2025 | Train |
| 10031 | R | Auxiliary compressor starts working                                                                                             |  | OK |   | Mphato Mphahlele<br>480716<br>22.02.2025 | Train |
| 10032 | R | Read Defined Variable [TT]<br>(MPU1)lo_pnt_m1startauxiliarcompr1 = 0.0                                                          |  | OK | 0 | Mphato Mphahlele<br>480716<br>22.02.2025 | Train |

|       |   |                                                                           |  |    |   |                                          |       |
|-------|---|---------------------------------------------------------------------------|--|----|---|------------------------------------------|-------|
| 10033 | R | Read Defined Variable [TT]<br>(MPU1)lo_pnt_m1startauxiliarcompr2 =<br>0.0 |  | OK | 0 | Mphato Mphahlele<br>480716<br>22.02.2025 | Train |
| 10034 | R | Read Defined Variable [TT]<br>(MPU1)lo_pnt_m2startauxiliarcompr1 =<br>1.0 |  | OK | 1 | Mphato Mphahlele<br>480716<br>22.02.2025 | Train |
| 10035 | R | Read Defined Variable [TT]<br>(MPU1)lo_pnt_m2startauxiliarcompr2 =<br>1.0 |  | OK | 1 | Mphato Mphahlele<br>480716<br>22.02.2025 | Train |
| 10036 | A | Remove the manometer nozzle on M2                                         |  | OK |   | Mphato Mphahlele<br>480716<br>22.02.2025 | Train |
| 10037 | A | Put HVB1 valve in NORMAL position on<br>M2                                |  | OK |   | Mphato Mphahlele<br>480716<br>22.02.2025 | Train |
| 10038 | A | Put the earthing switch in NORMAL<br>position on M2                       |  | OK |   | Mphato Mphahlele<br>480716<br>22.02.2025 | Train |
| 10039 | A | Put HVB1 valve in NORMAL position on<br>M1                                |  | OK |   | Mphato Mphahlele<br>480716<br>22.02.2025 | Train |
| 10040 | A | Put the earthing switch in NORMAL<br>position on M1                       |  | OK |   | Mphato Mphahlele<br>480716<br>22.02.2025 | Train |
| 10041 | I | End of Test                                                               |  | OK |   | Mphato Mphahlele<br>480716<br>22.02.2025 | Train |





|                                                                               |                                                    |                             |
|-------------------------------------------------------------------------------|----------------------------------------------------|-----------------------------|
| Serial Tests Report<br>TS270 – TFS<br>RTR Train Functional Static Test Report | Document Reference<br>GIB0000007854<br>Version: A0 | Emission date<br>27/02/2025 |
|-------------------------------------------------------------------------------|----------------------------------------------------|-----------------------------|

## Section 10 – Air Production

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### 10.1 Instructions list

### 10.1.1 019\_AIR-Air Production

I - Information      A - Action      R - Result      NE - Not Executed

| N°    | Type | Instruction                                                                      | File | Result status | Result value | Operator                                | Vehicle |
|-------|------|----------------------------------------------------------------------------------|------|---------------|--------------|-----------------------------------------|---------|
| 10001 | I    | Air Production = SPP 019                                                         |      | OK            |              | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train   |
| 10002 | I    | Initial Conditions                                                               |      | OK            |              | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train   |
| 10003 | A    | Put the train in LV ready (No High Voltage/No Shore Supply) on TC1 as active cab |      | OK            |              | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train   |
| 10004 | A    | Drain the air on TC1 main pipe using the cock F2.1/1                             |      | OK            |              | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train   |
| 10005 | R    | The pressure gauge of the main pipe is 0 bar                                     |      | OK            |              | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train   |
| 10006 | A    | Normalise the cock                                                               |      | OK            |              | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train   |
| 10007 | I    | Start of Test                                                                    |      | OK            |              | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train   |
| 10008 | R    | Read Defined Variable [TT]<br>(MPU1)air_bcu1airsupplyrunning = 0.0               |      | OK            | 0            | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train   |
| 10009 | R    | Read Defined Variable [TT]<br>(MPU1)air_bcu1airsupplydelay = 0.0                 |      | OK            | 0            | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train   |
| 10010 | A    | Open circuit breaker 19Q3 on TC1                                                 |      | OK            |              | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train   |
| 10011 | R    | Read Defined Variable [TT]<br>(MPU1)air_bcu1airsupplyok = 0.0                    |      | OK            | 0            | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train   |
| 10012 | A    | Close circuit breaker 19Q3                                                       |      | OK            |              | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train   |
| 10013 | R    | Read Defined Variable [TT]<br>(MPU1)air_bcu1airsupplyok = 1.0                    |      | OK            | 1            | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train   |
| 10014 | A    | Open circuit breaker 19Q3 on TC2                                                 |      | OK            |              | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train   |
| 10015 | R    | Read Defined Variable [TT]<br>(MPU1)air_bcu2airsupplyok = 0.0                    |      | OK            | 0            | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train   |
| 10016 | A    | Close circuit breaker 19Q3 on TC2                                                |      | OK            |              | Sizwe Sibanyoni<br>484647               | Train   |

|       |   |                                                                                                |  |    |   |                                         |       |
|-------|---|------------------------------------------------------------------------------------------------|--|----|---|-----------------------------------------|-------|
|       |   |                                                                                                |  |    |   | 22.02.2025                              |       |
| 10017 | R | Read Defined Variable [TT]<br>(MPU1)air_bcu2airsupplyok = 1.0                                  |  | OK | 1 | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10018 | R | Read Defined Variable [TT]<br>(MPU1)air_bcu2airsupplydelay = 0.0                               |  | OK | 0 | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10019 | R | Read Defined Variable [TT]<br>(MPU1)air_bcu2airsupplyrunning = 0.0                             |  | OK | 0 | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10020 | I | Main Compressor operation                                                                      |  | OK |   | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10021 | A | Press the automatic start button 20S1                                                          |  | OK |   | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10022 | I | Both main air compressors start up                                                             |  | OK |   | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10023 | R | Read Defined Variable [TT]<br>(MPU1)lo_air_tc1compenabler1 = 1.0                               |  | OK | 1 | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10024 | R | Read Defined Variable [TT]<br>(MPU1)lo_air_tc1compenabler2 = 1.0                               |  | OK | 1 | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10025 | R | Read Defined Variable [TT]<br>(MPU1)lo_air_tc2compenabler1 = 1.0                               |  | OK | 1 | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10026 | R | Read Defined Variable [TT]<br>(MPU1)lo_air_tc2compenabler2 = 1.0                               |  | OK | 1 | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10027 | R | Read Defined Variable [TT]<br>(MPU1)air_bcu1airsupplyrunning = 1.0                             |  | OK | 1 | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10028 | R | Read Defined Variable [TT]<br>(MPU1)air_bcu2airsupplyrunning = 1.0                             |  | OK | 1 | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10029 | I | It is necessary to check main pipe pressure on the pneumatic gauge of TC1 and TC2 individually |  | OK |   | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10030 | A | Wait for 10 minutes, then read the variables below                                             |  | OK |   | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10031 | R | Read Defined Variable [TT]<br>(MPU1)lo_air_tc1compenabler1 = 0.0                               |  | OK | 0 | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10032 | R | Read Defined Variable [TT]<br>(MPU1)lo_air_tc1compenabler2 = 0.0                               |  | OK | 0 | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10033 | R | Read Defined Variable [TT]<br>(MPU1)lo_air_tc2compenabler1 = 0.0                               |  | OK | 0 | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10034 | R | Read Defined Variable [TT]<br>(MPU1)lo_air_tc2compenabler2 = 0.0                               |  | OK | 0 | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |

|       |   |                                                                                                         |  |    |   |                                         |       |
|-------|---|---------------------------------------------------------------------------------------------------------|--|----|---|-----------------------------------------|-------|
| 10035 | R | Read Defined Variable [TT]<br>(MPU1)air_bcu1airsupplyrunning = 0.0                                      |  | OK | 0 | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10036 | R | Read Defined Variable [TT]<br>(MPU1)air_bcu2airsupplyrunning = 0.0                                      |  | OK | 0 | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10037 | A | Force [TT] NET_TrainTimeEvenDay = 1.0                                                                   |  | OK |   | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10038 | A | Drain the air in the main pipe from TC1 side using cock F2.1/1 until the pressure reaches below 8.5 bar |  | OK |   | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10039 | R | Read Defined Variable [TT]<br>(MPU1)lo_air_tc1compensabler2 = 1.0                                       |  | OK | 1 | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10040 | R | Read Defined Variable [TT]<br>(MPU1)lo_air_tc2compensabler1 = 0.0                                       |  | OK | 0 | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10041 | A | Normalise the cock F2.1/1 and let the compressor runs until it stops                                    |  | OK |   | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10042 | A | Force [TT] NET_TrainTimeEvenDay = 0.0                                                                   |  | OK |   | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10043 | A | Drain the air in the main pipe from TC1 side using cock F2.1/1 until the pressure reaches below 8.5 bar |  | OK |   | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10044 | R | Read Defined Variable [TT]<br>(MPU1)lo_air_tc1compensabler1 = 0.0                                       |  | OK | 0 | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10045 | R | Read Defined Variable [TT]<br>(MPU1)lo_air_tc2compensabler2 = 1.0                                       |  | OK | 1 | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10046 | I | Compressor Manual Isolation TC1                                                                         |  | OK |   | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10047 | A | Normalise the cock F2.1/1 and let the compressor runs until it stops                                    |  | OK |   | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10048 | A | Put the pneumatic switch 19S1 to ISOLATION position                                                     |  | OK |   | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10049 | R | Read Defined Variable [TT]<br>(MPU1)li_air_tc1condemnedr1 = 1.0                                         |  | OK | 1 | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10050 | R | Read Defined Variable [TT]<br>(MPU1)li_air_tc1condemnedr2 = 1.0                                         |  | OK | 1 | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10051 | R | Read Defined Variable [TT]<br>(MPU1)air_bcu1airsupplyok = 1.0                                           |  | OK | 1 | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10052 | R | Read Defined Variable [TT]<br>(MPU1)air_bcu1airsupplydelay = 0.0                                        |  | OK | 0 | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |

|       |   |                                                                                                                                                                     |                                                                                     |    |         |                                         |       |
|-------|---|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|----|---------|-----------------------------------------|-------|
| 10053 | A | Put the pneumatic switch 19S1 to NORMAL position                                                                                                                    |                                                                                     | OK |         | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10054 | R | Read Defined Variable [TT]<br>(MPU1)li_air_tc1condemnedr1 = 0.0                                                                                                     |                                                                                     | OK | 0       | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10055 | R | Read Defined Variable [TT]<br>(MPU1)li_air_tc1condemnedr2 = 0.0                                                                                                     |                                                                                     | OK | 0       | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10056 | R | Read Defined Variable [TT]<br>(MPU1)air_bcu1airsupplydelay = 0.0                                                                                                    |                                                                                     | OK | 0       | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10057 | R | Read Defined Variable [TT]<br>(MPU1)air_bcu1airsupplyok = 1.0                                                                                                       |                                                                                     | OK | 1       | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10058 | R |                                                                                                                                                                     |                                                                                     | OK | 1005.46 | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10059 | I | Compressor stops when it reaches 10 bar                                                                                                                             |                                                                                     | OK |         | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10060 | R | Read Defined Variable [TT]<br>(MPU1)air_bcu1airsupplyok = 1.0                                                                                                       |                                                                                     | OK | 1       | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10061 | R | Verify that the pressure gauge indicates the correct pressure values, according to the DDU<br>BC: Brake cylinder(yellow indicator)<br>MRP: Main Pipe(Red indicator) |  | OK |         | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10062 | I | Compressor Remote Isolation TC1                                                                                                                                     |                                                                                     | OK |         | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10063 | R | Read Defined Variable [TT]<br>(MPU1)air_bcu2airsupplydelay = 0.0                                                                                                    |                                                                                     | OK | 0       | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10064 | R | Read Defined Variable [TT]<br>(MPU1)li_air_tc1mcbcompressor = 1.0                                                                                                   |                                                                                     | OK | 1       | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10065 | R | Read Defined Variable [TT]<br>(MPU1)li_air_tc1remotecb = 1.0                                                                                                        |                                                                                     | OK | 1       | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10066 | I | It is important to make sure the main pipe pressure is always below 10 bar for the purpose of this test                                                             |                                                                                     | OK |         | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10067 | A | Release the air in the main pipe until it reaches below 8.5 bar                                                                                                     |                                                                                     | OK |         | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10068 | A | Open circuit breaker 19Q3                                                                                                                                           |                                                                                     | OK |         | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10069 | R | Read Defined Variable [TT]<br>(MPU1)air_bcu1airsupplyrunning = 1.0                                                                                                  |                                                                                     | OK | 1       | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |

|       |   |                                                                    |  |    |   |                                         |       |
|-------|---|--------------------------------------------------------------------|--|----|---|-----------------------------------------|-------|
| 10070 | A | Press the button 19S2 and hold                                     |  | OK |   | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10071 | R | Read Defined Variable [TT]<br>(MPU1)li_air_tc1remotecb = 0.0       |  | OK | 0 | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10072 | R | Read Defined Variable [TT]<br>(MPU1)li_air_tc1mcbcompressor = 1.0  |  | OK | 1 | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10073 | R | Read Defined Variable [TT]<br>(MPU1)air_bcu1airsupplyrunning = 1.0 |  | OK | 1 | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10074 | A | Release the button 19S2                                            |  | OK |   | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10075 | R | Read Defined Variable [TT]<br>(MPU1)li_air_tc1mcbcompressor = 1.0  |  | OK | 1 | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10076 | R | Read Defined Variable [TT]<br>(MPU1)li_air_tc1remotecb = 1.0       |  | OK | 1 | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10077 | R | Read Defined Variable [TT]<br>(MPU1)air_bcu1airsupplyrunning = 1.0 |  | OK | 1 | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10078 | A | Open circuit breaker 19Q2 in the LVB                               |  | OK |   | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10079 | R | Read Defined Variable [TT]<br>(MPU1)li_air_tc1mcbcompressor = 0.0  |  | OK | 0 | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10080 | A | Press and hold the button 19S2                                     |  | OK |   | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10081 | R | Read Defined Variable [TT]<br>(MPU1)li_air_tc1remotecb = 0.0       |  | OK | 0 | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10082 | A | Release the button 19S2                                            |  | OK |   | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10083 | R | Read Defined Variable [TT]<br>(MPU1)lo_air_tc1remotecb = 0.0       |  | OK | 0 | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10084 | A | Close circuit breaker 19Q3                                         |  | OK |   | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10085 | A | Press 19S2 and RELEASE in less than a second                       |  | OK |   | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10086 | R | Read Defined Variable [TT]<br>(MPU1)li_air_tc1remotecb = 1.0       |  | OK | 1 | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10087 | R | Read Defined Variable [TT]<br>(MPU1)li_air_tc1mcbcompressor = 1.0  |  | OK | 1 | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |

|       |   |                                                                    |  |    |         |                                         |       |
|-------|---|--------------------------------------------------------------------|--|----|---------|-----------------------------------------|-------|
| 10088 | R | Read Defined Variable [TT]<br>(MPU1)air_bcu1airsupplyrunning = 1.0 |  | OK | 1       | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10089 | I | Compressor Manual Isolation TC2                                    |  | OK |         | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10090 | A | Put the pneumatic switch 19S1 to<br>ISOLATION position             |  | OK |         | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10091 | R | Read Defined Variable [TT]<br>(MPU1)li_air_tc2condemnedr1 = 1.0    |  | OK | 1       | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10092 | R | Read Defined Variable [TT]<br>(MPU1)li_air_tc2condemnedr2 = 1.0    |  | OK | 1       | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10093 | R | Read Defined Variable [TT]<br>(MPU1)air_bcu1airsupplyrunning = 0.0 |  | OK | 0       | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10094 | A | Force [TT]<br>(MPU1)lo_air_tc2compenabler2 = 1.0                   |  | OK |         | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10095 | R | Read Defined Variable [TT]<br>(MPU1)air_bcu2airsupplyrunning = 0.0 |  | OK | 0       | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10096 | R | Read Defined Variable [TT]<br>(MPU1)air_bcu2airsupplyok = 1.0      |  | OK | 1       | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10097 | R | Read Defined Variable [TT]<br>(MPU1)air_bcu2airsupplydelay = 0.0   |  | OK | 0       | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10098 | A | Put the pneumatic switch 19S1 to<br>NORMAL position                |  | OK |         | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10099 | R | Read Defined Variable [TT]<br>(MPU1)li_air_tc2condemnedr1 = 0.0    |  | OK | 0       | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10100 | R | Read Defined Variable [TT]<br>(MPU1)li_air_tc2condemnedr2 = 0.0    |  | OK | 0       | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10101 | R | Read Defined Variable [TT]<br>(MPU1)air_bcu2airsupplyrunning = 1.0 |  | OK | 1       | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10102 | R | Read Defined Variable [TT]<br>(MPU1)air_bcu2airsupplydelay = 0.0   |  | OK | 0       | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10103 | R | Read Defined Variable [TT]<br>(MPU1)air_bcu2airsupplyok = 1.0      |  | OK | 1       | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10104 | I | Compressor stops when it reaches 10 bar                            |  | OK |         | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10105 | R |                                                                    |  | OK | 1000.72 | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |



|       |   |                                                                                                         |  |    |   |                                         |       |
|-------|---|---------------------------------------------------------------------------------------------------------|--|----|---|-----------------------------------------|-------|
| 10106 | R | Read Defined Variable [TT]<br>(MPU1)air_bcu2airsupplyrunning = 0.0                                      |  | OK | 0 | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10107 | A | Remove active cab on TC1                                                                                |  | OK |   | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10108 | R | Read Defined Variable [TT]<br>(MPU1)air_bcu2airsupplyok = 1.0                                           |  | OK | 1 | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10109 | A | Active cab on TC2                                                                                       |  | OK |   | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10110 | R | Read Defined Variable [TT]<br>(MPU1)air_bcu2airsupplydelay = 0.0                                        |  | OK | 0 | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10111 | I | Compressor Remote Isolation TC2                                                                         |  | OK |   | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10112 | R | Read Defined Variable [TT]<br>(MPU1)li_air_tc2mcbcompressor = 1.0                                       |  | OK | 1 | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10113 | R | Read Defined Variable [TT]<br>(MPU1)li_air_tc2remotecb = 1.0                                            |  | OK | 1 | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10114 | I | It is important to make sure the main pipe pressure is always below 10 bar for the purpose of this test |  | OK |   | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10115 | A | Release the air in the main pipe until it reaches below 8.5 bar                                         |  | OK |   | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10116 | R | Read Defined Variable [TT]<br>(MPU1)air_bcu2airsupplyrunning = 1.0                                      |  | OK | 1 | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10117 | A | Open circuit breaker 19Q3                                                                               |  | OK |   | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10118 | A | Press and hold the button 19S2                                                                          |  | OK |   | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10119 | R | Read Defined Variable [TT]<br>(MPU1)li_air_tc2remotecb = 0.0                                            |  | OK | 0 | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10120 | R | Read Defined Variable [TT]<br>(MPU1)li_air_tc2mcbcompressor = 1.0                                       |  | OK | 1 | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10121 | A | Release the button 19S2                                                                                 |  | OK |   | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10122 | R | Read Defined Variable [TT]<br>(MPU1)li_air_tc2mcbcompressor = 1.0                                       |  | OK | 1 | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10123 | R | Read Defined Variable [TT]<br>(MPU1)li_air_tc2remotecb = 1.0                                            |  | OK | 1 | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |

|       |   |                                                                                                                                             |  |    |   |                                         |       |
|-------|---|---------------------------------------------------------------------------------------------------------------------------------------------|--|----|---|-----------------------------------------|-------|
| 10124 | A | Open circuit breaker 19Q2 in LVB                                                                                                            |  | OK |   | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10125 | R | Read Defined Variable [TT]<br>(MPU1)li_air_tc2mcbcompressor = 0.0                                                                           |  | OK | 0 | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10126 | A | Press and hold the button 19S2                                                                                                              |  | OK |   | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10127 | R | Read Defined Variable [TT]<br>(MPU1)li_air_tc2remotecb = 0.0                                                                                |  | OK | 0 | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10128 | A | Release the button 19S2                                                                                                                     |  | OK |   | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10129 | A | Close circuit breaker 19Q3                                                                                                                  |  | OK |   | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10130 | R | Read Defined Variable [TT]<br>(MPU1)lo_air_tc2remotecb = 0.0                                                                                |  | OK | 0 | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10131 | A | Press 19S2 and RELEASE in less than a second                                                                                                |  | OK |   | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10132 | R | Read Defined Variable [TT]<br>(MPU1)li_air_tc2mcbcompressor = 1.0                                                                           |  | OK | 1 | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10133 | R | Read Defined Variable [TT]<br>(MPU1)air_bcu2airsupplyrunning = 1.0                                                                          |  | OK | 1 | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10134 | R | Read Defined Variable [TT]<br>(MPU1)li_air_tc2remotecb = 1.0                                                                                |  | OK | 1 | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10135 | I | Air tightness of Main pipe and other pneumatic systems on train                                                                             |  | OK |   | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10136 | A | Force [TT]<br>(MPU1)lo_air_tc1compenabler1 = 0.0                                                                                            |  | OK |   | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10137 | A | Force [TT]<br>(MPU1)lo_air_tc2compenabler1 = 0.0                                                                                            |  | OK |   | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10138 | A | Empty the main pipe pressure using draining cock A5/1 until it reaches below 7.5 bar                                                        |  | OK |   | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10139 | I | Put both compressors in service by closing circuit breaker 19Q2 and also ensure isolation switch 19S1 is in NORMAL position on both TC cars |  | OK |   | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10140 | A | Release [TT]<br>(MPU1)lo_air_tc1compenabler1                                                                                                |  | OK |   | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |

|       |   |                                                                                                                                                                                                      |  |    |         |                                         |       |
|-------|---|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|----|---------|-----------------------------------------|-------|
| 10141 | A | Release [TT]<br>(MPU1)lo_air_tc2compenabler1                                                                                                                                                         |  | OK |         | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10142 | I | Only one compressor starts when the pressure reaches below 8.5 bar. At 10bar +/- 0.2 bar the compressor stops.                                                                                       |  | OK |         | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10143 | I | After 10 minutes, the air in the main pipe should not be less than 9.3 bar                                                                                                                           |  | OK |         | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10144 | R | Read Undefined Variable [TT]<br>(MPU1)air_bcu1mrpres                                                                                                                                                 |  | OK | 1000.72 | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10145 | I | Air tightness of main reservoirs and associated devices combined with other pneumatic equipment's                                                                                                    |  | OK |         | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10146 | A | Isolate the Service and Emergency Brake circuit of each car by turning the isolation cocks C1.3/1 and C.2.3/1 towards the isolation position                                                         |  | OK |         | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10147 | A | Reset the air in the main pipe to 10 bar+/- 0.2 bar                                                                                                                                                  |  | OK |         | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10148 | I | If necessary drain the air in the main pipe until at least one compressor starts to reset the pressure to 10 bar                                                                                     |  | OK |         | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10149 | R | Measure the pressure of the main pipe on A1.12 test point and verify that the pressure does not fall by more than 75 kPa (0.75 bar) after 10 minutes, from an initial pressure of 1000 kPa (10 bar). |  | OK |         | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10150 | R |                                                                                                                                                                                                      |  | OK | 1000    | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10151 | A | NORMALISE the isolation cocks C1.3/1 and C2.3/1                                                                                                                                                      |  | OK |         | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10152 | I | Air tightness of brake cylinders and auxiliary reservoirs                                                                                                                                            |  | OK |         | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10153 | R | The pressure on the pneumatic indicator is 10 bar +/-0.2 bar                                                                                                                                         |  | OK |         | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10154 | A | Select driving direction to FORWARD position                                                                                                                                                         |  | OK |         | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10155 | A | Put Master Controller in 100% Service brake position                                                                                                                                                 |  | OK |         | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10156 | A | Using the manometer, check the SB values in each brake panel, in each car the pressure should not decrease more than                                                                                 |  | OK |         | Celiwe Sokhela<br>491462<br>25.02.2025  | Train |

|       |   |                                                                                                                                                                     |                                                                                   |    |       |                                         |       |
|-------|---|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|----|-------|-----------------------------------------|-------|
|       |   | 20kPa in over 12 minutes                                                                                                                                            |                                                                                   |    |       |                                         |       |
| 10157 | R | SB TC1<br>Result Min/Max : 118<= x <= 158 (kPa)                                                                                                                     |                                                                                   | OK | 146.6 | Celiwe Sokhela<br>491462<br>25.02.2025  | Train |
| 10158 | R | SB M4<br>Result Min/Max : 133<= x <= 173 (kPa)                                                                                                                      |                                                                                   | OK | 144.5 | Celiwe Sokhela<br>491462<br>25.02.2025  | Train |
| 10159 | R | SB M1<br>Result Min/Max : 137<= x <= 177 (kPa)                                                                                                                      |                                                                                   | OK | 143.8 | Celiwe Sokhela<br>491462<br>25.02.2025  | Train |
| 10160 | R | SB M2<br>Result Min/Max : 137<= x <= 176 (kPa)                                                                                                                      |                                                                                   | OK | 147.3 | Celiwe Sokhela<br>491462<br>25.02.2025  | Train |
| 10161 | R | SB M3<br>Result Min/Max : 133<= x <= 173 (kPa)                                                                                                                      |                                                                                   | OK | 143.4 | Celiwe Sokhela<br>491462<br>25.02.2025  | Train |
| 10162 | R | SB TC2<br>Result Min/Max : 118<= x <= 158 (kPa)                                                                                                                     |                                                                                   | OK | 146.7 | Celiwe Sokhela<br>491462<br>25.02.2025  | Train |
| 10163 | R | Verify that the pressure gauge indicates the correct pressure values, according to the DDU<br>BC: Brake cylinder(yellow indicator)<br>MRP: Main Pipe(Red indicator) |  | OK |       | Celiwe Sokhela<br>491462<br>25.02.2025  | Train |
| 10164 | I | Draining Cock for Intercar                                                                                                                                          |                                                                                   | OK |       | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10165 | I | Air in the main pipe should be 10 bar +/- 0.2 bar                                                                                                                   |                                                                                   | OK |       | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10166 | A | This test is to ensure that the draining cocks are fully functional                                                                                                 |                                                                                   | OK |       | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10167 | A | Isolate all the cocks from M3 to M4                                                                                                                                 |                                                                                   | OK |       | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10168 | A | Drain the air on TC1 car using the cock F2.1/1                                                                                                                      |                                                                                   | OK |       | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10169 | A | Drain the air on M4 car using the cock F2.1/1                                                                                                                       |                                                                                   | OK |       | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10170 | A | Drain the air on M1 car using the cock F2.1/1                                                                                                                       |                                                                                   | OK |       | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10171 | A | Drain the air on M2 car using the cock F2.1/1                                                                                                                       |                                                                                   | OK |       | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10172 | A | Drain the air on M3 car using the cock F2.1/1                                                                                                                       |                                                                                   | OK |       | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |

|       |   |                                                                                              |  |    |  |                                         |       |
|-------|---|----------------------------------------------------------------------------------------------|--|----|--|-----------------------------------------|-------|
| 10173 | A | Drain the air on TC2 car using the cock F2.1/1                                               |  | OK |  | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10174 | A | Normalise all the cocks                                                                      |  | OK |  | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10175 | A | Use the tool on the top right corner to add the manometer used for this test (serial number) |  | OK |  | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10176 | I | End of Test                                                                                  |  | OK |  | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |



|                                                                               |                                                    |                             |
|-------------------------------------------------------------------------------|----------------------------------------------------|-----------------------------|
| Serial Tests Report<br>TS270 – TFS<br>RTR Train Functional Static Test Report | Document Reference<br>GIB0000007854<br>Version: A0 | Emission date<br>27/02/2025 |
|-------------------------------------------------------------------------------|----------------------------------------------------|-----------------------------|

## Section 11 – Monitoring Circuit Breakers

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### 11.1 Instructions list

### 11.1.1 080\_MCB-Monitoring Circuit Breakers

I - Information      A - Action      R - Result      NE - Not Executed

| N°    | Type | Instruction                                                      | File | Result status | Result value | Operator                             | Vehicle |
|-------|------|------------------------------------------------------------------|------|---------------|--------------|--------------------------------------|---------|
| 10001 | I    | Monitoring Circuit Breakers SPP=080                              |      | OK            |              | Amanda Ntuli<br>526239<br>24.02.2025 | Train   |
| 10002 | I    | TC1                                                              |      | OK            |              | Amanda Ntuli<br>526239<br>24.02.2025 | Train   |
| 10003 | A    | Open the circuit breaker 15Q4                                    |      | OK            |              | Amanda Ntuli<br>526239<br>24.02.2025 | Train   |
| 10004 | R    | Read Defined Variable [TT]<br>(MPU1)li_ddk_tc1cb110distrib = 0.0 |      | OK            | 0            | Amanda Ntuli<br>526239<br>24.02.2025 | Train   |
| 10005 | A    | Close the circuit breaker 15Q4                                   |      | OK            |              | Amanda Ntuli<br>526239<br>24.02.2025 | Train   |
| 10006 | R    | Read Defined Variable [TT]<br>(MPU1)li_ddk_tc1cb110distrib = 1.0 |      | OK            | 1            | Amanda Ntuli<br>526239<br>24.02.2025 | Train   |
| 10007 | A    | Open the circuit breaker 13Q1                                    |      | OK            |              | Amanda Ntuli<br>526239<br>24.02.2025 | Train   |
| 10008 | R    | Read Defined Variable [TT]<br>(MPU1)li_ddk_tc1cb230distrib = 0.0 |      | OK            | 0            | Amanda Ntuli<br>526239<br>24.02.2025 | Train   |
| 10009 | A    | Close the circuit breaker 13Q1                                   |      | OK            |              | Amanda Ntuli<br>526239<br>24.02.2025 | Train   |
| 10010 | R    | Read Defined Variable [TT]<br>(MPU1)li_ddk_tc1cb230distrib = 1.0 |      | OK            | 1            | Amanda Ntuli<br>526239<br>24.02.2025 | Train   |
| 10011 | A    | Open the circuit breaker 57Q1                                    |      | OK            |              | Amanda Ntuli<br>526239<br>24.02.2025 | Train   |
| 10012 | R    | Read Defined Variable [TT]<br>(MPU1)li_ddk_tc1cb400distrib = 0.0 |      | OK            | 0            | Amanda Ntuli<br>526239<br>24.02.2025 | Train   |
| 10013 | A    | Close the circuit breaker 57Q1                                   |      | OK            |              | Amanda Ntuli<br>526239<br>24.02.2025 | Train   |
| 10014 | R    | Read Defined Variable [TT]<br>(MPU1)li_ddk_tc1cb400distrib = 1.0 |      | OK            | 1            | Amanda Ntuli<br>526239<br>24.02.2025 | Train   |
| 10015 | A    | Open the circuit breaker 72Q1                                    |      | OK            |              | Amanda Ntuli<br>526239<br>24.02.2025 | Train   |
| 10016 | R    | Read Defined Variable [TT]<br>(MPU1)li_ddk_tc1cbauxfct = 0.0     |      | OK            | 0            | Amanda Ntuli<br>526239<br>24.02.2025 | Train   |



|       |   |                                                                   |  |    |   |                                      |       |
|-------|---|-------------------------------------------------------------------|--|----|---|--------------------------------------|-------|
| 10017 | A | Close the circuit breaker 72Q1                                    |  | OK |   | Amanda Ntuli<br>526239<br>24.02.2025 | Train |
| 10018 | R | Read Defined Variable [TT]<br>(MPU1)li_ddk_tc1cbauxfct = 1.0      |  | OK | 1 | Amanda Ntuli<br>526239<br>24.02.2025 | Train |
| 10019 | A | Open the circuit breaker 40Q4                                     |  | OK |   | Amanda Ntuli<br>526239<br>24.02.2025 | Train |
| 10020 | R | Read Defined Variable [TT]<br>(MPU1)li_ddk_tc1cbbrake = 0.0       |  | OK | 0 | Amanda Ntuli<br>526239<br>24.02.2025 | Train |
| 10021 | A | Close the circuit breaker 40Q4                                    |  | OK |   | Amanda Ntuli<br>526239<br>24.02.2025 | Train |
| 10022 | R | Read Defined Variable [TT]<br>(MPU1)li_ddk_tc1cbbrake = 1.0       |  | OK | 1 | Amanda Ntuli<br>526239<br>24.02.2025 | Train |
| 10023 | A | Open the circuit breaker 50Q7                                     |  | OK |   | Amanda Ntuli<br>526239<br>24.02.2025 | Train |
| 10024 | R | Read Defined Variable [TT]<br>(MPU1)li_ddk_tc1cbdoors = 0.0       |  | OK | 0 | Amanda Ntuli<br>526239<br>24.02.2025 | Train |
| 10025 | A | Close the circuit breaker 50Q7                                    |  | OK |   | Amanda Ntuli<br>526239<br>24.02.2025 | Train |
| 10026 | R | Read Defined Variable [TT]<br>(MPU1)li_ddk_tc1cbdoors = 1.0       |  | OK | 1 | Amanda Ntuli<br>526239<br>24.02.2025 | Train |
| 10027 | A | Open the circuit breaker 22Q1                                     |  | OK |   | Amanda Ntuli<br>526239<br>24.02.2025 | Train |
| 10028 | R | Read Defined Variable [TT]<br>(MPU1)li_ddk_tc1cbenergy = 0.0      |  | OK | 0 | Amanda Ntuli<br>526239<br>24.02.2025 | Train |
| 10029 | A | Close the circuit breaker 22Q1                                    |  | OK |   | Amanda Ntuli<br>526239<br>24.02.2025 | Train |
| 10030 | R | Read Defined Variable [TT]<br>(MPU1)li_ddk_tc1cbenergy = 1.0      |  | OK | 1 | Amanda Ntuli<br>526239<br>24.02.2025 | Train |
| 10031 | A | Open the circuit breaker 44Q1                                     |  | OK |   | Amanda Ntuli<br>526239<br>24.02.2025 | Train |
| 10032 | R | Read Defined Variable [TT]<br>(MPU1)li_ddk_tc1cbsafetyfctr1 = 0.0 |  | OK | 0 | Amanda Ntuli<br>526239<br>24.02.2025 | Train |
| 10033 | R | Read Defined Variable [TT]<br>(MPU1)li_ddk_tc1cbsafetyfctr2 = 0.0 |  | OK | 0 | Amanda Ntuli<br>526239<br>24.02.2025 | Train |
| 10034 | A | Close the circuit breaker 44Q1                                    |  | OK |   | Amanda Ntuli<br>526239<br>24.02.2025 | Train |

|       |   |                                                                   |    |   |                                      |       |
|-------|---|-------------------------------------------------------------------|----|---|--------------------------------------|-------|
| 10035 | R | Read Defined Variable [TT]<br>(MPU1)li_ddk_tc1cbsafetyfctr1 = 1.0 | OK | 1 | Amanda Ntuli<br>526239<br>24.02.2025 | Train |
| 10036 | R | Read Defined Variable [TT]<br>(MPU1)li_ddk_tc1cbsafetyfctr2 = 1.0 | OK | 1 | Amanda Ntuli<br>526239<br>24.02.2025 | Train |
| 10037 | A | Open the circuit breaker 72Q2                                     | OK |   | Amanda Ntuli<br>526239<br>24.02.2025 | Train |
| 10038 | R | Read Defined Variable [TT]<br>(MPU1)li_ddk_tc1cbsockets = 0.0     | OK | 0 | Amanda Ntuli<br>526239<br>24.02.2025 | Train |
| 10039 | A | Close the circuit breaker 72Q2                                    | OK |   | Amanda Ntuli<br>526239<br>24.02.2025 | Train |
| 10040 | R | Read Defined Variable [TT]<br>(MPU1)li_ddk_tc1cbsockets = 1.0     | OK | 1 | Amanda Ntuli<br>526239<br>24.02.2025 | Train |
| 10041 | A | Open the circuit breaker 25Q11                                    | OK |   | Amanda Ntuli<br>526239<br>24.02.2025 | Train |
| 10042 | R | Read Defined Variable [TT]<br>(MPU2)Li_DDK_Tc1CbTcms1R2 = 0.0     | OK | 0 | Amanda Ntuli<br>526239<br>24.02.2025 | Train |
| 10043 | A | Close the circuit breaker 25Q11                                   | OK |   | Amanda Ntuli<br>526239<br>24.02.2025 | Train |
| 10044 | A | Open the circuit breaker 25Q13                                    | OK |   | Amanda Ntuli<br>526239<br>24.02.2025 | Train |
| 10045 | R | Read Defined Variable [TT]<br>(MPU1)li_ddk_tc1cbtcms1r1 = 0.0     | OK | 0 | Amanda Ntuli<br>526239<br>24.02.2025 | Train |
| 10046 | A | Close the circuit breaker 25Q13                                   | OK |   | Amanda Ntuli<br>526239<br>24.02.2025 | Train |
| 10047 | R | Read Defined Variable [TT]<br>(MPU1)li_ddk_tc1cbtcms1r1 = 1.0     | OK | 1 | Amanda Ntuli<br>526239<br>24.02.2025 | Train |
| 10048 | R | Read Defined Variable [TT]<br>(MPU1)li_ddk_tc1cbtcms1r2 = 1.0     | OK | 1 | Amanda Ntuli<br>526239<br>24.02.2025 | Train |
| 10049 | A | Open the circuit breaker 25Q10                                    | OK |   | Amanda Ntuli<br>526239<br>24.02.2025 | Train |
| 10050 | R | Read Defined Variable [TT]<br>(MPU1)li_ddk_tc1cbtcms2r1 = 0.0     | OK | 0 | Amanda Ntuli<br>526239<br>24.02.2025 | Train |
| 10051 | R | Read Defined Variable [TT]<br>(MPU1)li_ddk_tc1cbtcms2r2 = 0.0     | OK | 0 | Amanda Ntuli<br>526239<br>24.02.2025 | Train |
| 10052 | A | Close the circuit breaker 25Q10                                   | OK |   | Amanda Ntuli<br>526239<br>24.02.2025 | Train |

|       |   |                                                                    |    |   |                                      |       |
|-------|---|--------------------------------------------------------------------|----|---|--------------------------------------|-------|
| 10053 | R | Read Defined Variable [TT]<br>(MPU1)li_ddk_tc1cbtcms2r1 = 1.0      | OK | 1 | Amanda Ntuli<br>526239<br>24.02.2025 | Train |
| 10054 | R | Read Defined Variable [TT]<br>(MPU1)li_ddk_tc1cbtcms2r2 = 1.0      | OK | 1 | Amanda Ntuli<br>526239<br>24.02.2025 | Train |
| 10055 | A | Open the circuit breaker 75Q1                                      | OK |   | Amanda Ntuli<br>526239<br>24.02.2025 | Train |
| 10056 | R | Read Defined Variable [TT]<br>(MPU1)li_ddk_tc1cbdrivingfctr1 = 0.0 | OK | 0 | Amanda Ntuli<br>526239<br>24.02.2025 | Train |
| 10057 | R | Read Defined Variable [TT]<br>(MPU1)li_ddk_tc1cbdrivingfctr2 = 0.0 | OK | 0 | Amanda Ntuli<br>526239<br>24.02.2025 | Train |
| 10058 | A | Close the circuit breaker 75Q1                                     | OK |   | Amanda Ntuli<br>526239<br>24.02.2025 | Train |
| 10059 | R | Read Defined Variable [TT]<br>(MPU1)li_ddk_tc1cbdrivingfctr1 = 1.0 | OK | 1 | Amanda Ntuli<br>526239<br>24.02.2025 | Train |
| 10060 | R | Read Defined Variable [TT]<br>(MPU1)li_ddk_tc1cbdrivingfctr2 = 1.0 | OK | 1 | Amanda Ntuli<br>526239<br>24.02.2025 | Train |
| 10061 | I | M4                                                                 | OK |   | Amanda Ntuli<br>526239<br>24.02.2025 | Train |
| 10062 | A | Open the circuit breaker 15Q4                                      | OK |   | Amanda Ntuli<br>526239<br>24.02.2025 | Train |
| 10063 | R | Read Defined Variable [TT]<br>(MPU1)li_ddk_m4cb110distrib = 0.0    | OK | 0 | Amanda Ntuli<br>526239<br>24.02.2025 | Train |
| 10064 | A | Close the circuit breaker 15Q4                                     | OK |   | Amanda Ntuli<br>526239<br>24.02.2025 | Train |
| 10065 | R | Read Defined Variable [TT]<br>(MPU1)li_ddk_m4cb110distrib = 1.0    | OK | 1 | Amanda Ntuli<br>526239<br>24.02.2025 | Train |
| 10066 | A | Open the circuit breaker 13Q1                                      | OK |   | Amanda Ntuli<br>526239<br>24.02.2025 | Train |
| 10067 | R | Read Defined Variable [TT]<br>(MPU1)li_ddk_m4cb230distrib = 0.0    | OK | 0 | Amanda Ntuli<br>526239<br>24.02.2025 | Train |
| 10068 | A | Close the circuit breaker 13Q1                                     | OK |   | Amanda Ntuli<br>526239<br>24.02.2025 | Train |
| 10069 | R | Read Defined Variable [TT]<br>(MPU1)li_ddk_m4cb230distrib = 1.0    | OK | 1 | Amanda Ntuli<br>526239<br>24.02.2025 | Train |
| 10070 | A | Open the circuit breaker 57Q1                                      | OK |   | Amanda Ntuli<br>526239<br>24.02.2025 | Train |

|       |   |                                                                 |  |    |   |                                      |       |
|-------|---|-----------------------------------------------------------------|--|----|---|--------------------------------------|-------|
| 10071 | R | Read Defined Variable [TT]<br>(MPU1)li_ddk_m4cb400distrib = 0.0 |  | OK | 0 | Amanda Ntuli<br>526239<br>24.02.2025 | Train |
| 10072 | A | Close the circuit breaker 57Q1                                  |  | OK |   | Amanda Ntuli<br>526239<br>24.02.2025 | Train |
| 10073 | R | Read Defined Variable [TT]<br>(MPU1)li_ddk_m4cb400distrib = 1.0 |  | OK | 1 | Amanda Ntuli<br>526239<br>24.02.2025 | Train |
| 10074 | A | Open the circuit breaker 40Q1                                   |  | OK |   | Amanda Ntuli<br>526239<br>24.02.2025 | Train |
| 10075 | R | Read Defined Variable [TT]<br>(MPU1)li_ddk_m4cbbrake = 0.0      |  | OK | 0 | Amanda Ntuli<br>526239<br>24.02.2025 | Train |
| 10076 | A | Close the circuit breaker 40Q1                                  |  | OK |   | Amanda Ntuli<br>526239<br>24.02.2025 | Train |
| 10077 | R | Read Defined Variable [TT]<br>(MPU1)li_ddk_m4cbbrake = 1.0      |  | OK | 1 | Amanda Ntuli<br>526239<br>24.02.2025 | Train |
| 10078 | A | Open the circuit breaker 50Q4                                   |  | OK |   | Amanda Ntuli<br>526239<br>24.02.2025 | Train |
| 10079 | R | Read Defined Variable [TT]<br>(MPU1)li_ddk_m4cbdoors = 0.0      |  | OK | 0 | Amanda Ntuli<br>526239<br>24.02.2025 | Train |
| 10080 | A | Close the circuit breaker 50Q4                                  |  | OK |   | Amanda Ntuli<br>526239<br>24.02.2025 | Train |
| 10081 | R | Read Defined Variable [TT]<br>(MPU1)li_ddk_m4cbdoors = 1.0      |  | OK | 1 | Amanda Ntuli<br>526239<br>24.02.2025 | Train |
| 10082 | A | Open the circuit breaker 57Q2                                   |  | OK |   | Amanda Ntuli<br>526239<br>24.02.2025 | Train |
| 10083 | R | Read Defined Variable [TT]<br>(MPU1)li_ddk_m4cbhvac = 0.0       |  | OK | 0 | Amanda Ntuli<br>526239<br>24.02.2025 | Train |
| 10084 | R | Read Defined Variable [TT]<br>(MPU1)li_ddk_m4cbhvac = 0.0       |  | OK | 0 | Amanda Ntuli<br>526239<br>24.02.2025 | Train |
| 10085 | A | Close the circuit breaker 57Q2                                  |  | OK |   | Amanda Ntuli<br>526239<br>24.02.2025 | Train |
| 10086 | R | Read Defined Variable [TT]<br>(MPU1)li_ddk_m4cbhvac = 1.0       |  | OK | 1 | Amanda Ntuli<br>526239<br>24.02.2025 | Train |
| 10087 | A | Open the circuit breaker 52Q4                                   |  | OK |   | Amanda Ntuli<br>526239<br>24.02.2025 | Train |
| 10088 | R | Read Defined Variable [TT]<br>(MPU1)li_ddk_m4cblighting = 0.0   |  | OK | 0 | Amanda Ntuli<br>526239<br>24.02.2025 | Train |
| 10089 | A | Close the circuit breaker 52Q4                                  |  | OK |   | Amanda Ntuli<br>526239               | Train |

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|-------|---|------------------------------------------------------------------|--|----|---|--------------------------------------|-------|
|       |   |                                                                  |  |    |   | 24.02.2025                           |       |
| 10090 | R | Read Defined Variable [TT]<br>(MPU1)li_ddk_m4cblighting = 1.0    |  | OK | 1 | Amanda Ntuli<br>526239<br>24.02.2025 | Train |
| 10091 | A | Open the circuit breaker 54Q10                                   |  | OK |   | Amanda Ntuli<br>526239<br>24.02.2025 | Train |
| 10092 | R | Read Defined Variable [TT]<br>(MPU1)li_ddk_m4cbpacs = 0.0        |  | OK | 0 | Amanda Ntuli<br>526239<br>24.02.2025 | Train |
| 10093 | A | Close the circuit breaker 54Q10                                  |  | OK |   | Amanda Ntuli<br>526239<br>24.02.2025 | Train |
| 10094 | R | Read Defined Variable [TT]<br>(MPU1)li_ddk_m4cbpacs = 1.0        |  | OK | 1 | Amanda Ntuli<br>526239<br>24.02.2025 | Train |
| 10095 | A | Open the circuit breaker 44Q1                                    |  | OK |   | Amanda Ntuli<br>526239<br>24.02.2025 | Train |
| 10096 | R | Read Defined Variable [TT]<br>(MPU1)li_ddk_m4cbsafetyfctr1 = 0.0 |  | OK | 0 | Amanda Ntuli<br>526239<br>24.02.2025 | Train |
| 10097 | R | Read Defined Variable [TT]<br>(MPU1)li_ddk_m4cbsafetyfctr2 = 0.0 |  | OK | 0 | Amanda Ntuli<br>526239<br>24.02.2025 | Train |
| 10098 | A | Close the circuit breaker 44Q1                                   |  | OK |   | Amanda Ntuli<br>526239<br>24.02.2025 | Train |
| 10099 | R | Read Defined Variable [TT]<br>(MPU1)li_ddk_m4cbsafetyfctr1 = 1.0 |  | OK | 1 | Amanda Ntuli<br>526239<br>24.02.2025 | Train |
| 10100 | R | Read Defined Variable [TT]<br>(MPU1)li_ddk_m4cbsafetyfctr2 = 1.0 |  | OK | 1 | Amanda Ntuli<br>526239<br>24.02.2025 | Train |
| 10101 | A | Open the circuit breaker 13Q2                                    |  | OK |   | Amanda Ntuli<br>526239<br>24.02.2025 | Train |
| 10102 | R | Read Defined Variable [TT]<br>(MPU1)li_ddk_m4cbsockets = 0.0     |  | OK | 0 | Amanda Ntuli<br>526239<br>24.02.2025 | Train |
| 10103 | A | Close the circuit breaker 13Q2                                   |  | OK |   | Amanda Ntuli<br>526239<br>24.02.2025 | Train |
| 10104 | R | Read Defined Variable [TT]<br>(MPU1)li_ddk_m4cbsockets = 1.0     |  | OK | 1 | Amanda Ntuli<br>526239<br>24.02.2025 | Train |
| 10105 | A | Open the circuit breaker 25Q6                                    |  | OK |   | Amanda Ntuli<br>526239<br>24.02.2025 | Train |
| 10106 | R | Read Defined Variable [TT]<br>(MPU1)li_ddk_m4cbtcms1r1 = 0.0     |  | OK | 0 | Amanda Ntuli<br>526239<br>24.02.2025 | Train |
| 10107 | R | Read Defined Variable [TT]<br>(MPU1)li_ddk_m4cbtcms1r2 = 0.0     |  | OK | 0 | Amanda Ntuli<br>526239<br>24.02.2025 | Train |

|       |   |                                                                |  |    |   |                                      |       |
|-------|---|----------------------------------------------------------------|--|----|---|--------------------------------------|-------|
| 10108 | A | Close the circuit breaker 25Q6                                 |  | OK |   | Amanda Ntuli<br>526239<br>24.02.2025 | Train |
| 10109 | R | Read Defined Variable [TT]<br>(MPU1)li_ddk_m4cbtcms1r1 = 1.0   |  | OK | 1 | Amanda Ntuli<br>526239<br>24.02.2025 | Train |
| 10110 | R | Read Defined Variable [TT]<br>(MPU1)li_ddk_m4cbtcms1r2 = 1.0   |  | OK | 1 | Amanda Ntuli<br>526239<br>24.02.2025 | Train |
| 10111 | A | Open the circuit breaker 25Q10                                 |  | OK |   | Amanda Ntuli<br>526239<br>24.02.2025 | Train |
| 10112 | R | Read Defined Variable [TT]<br>(MPU1)li_ddk_m4cbtcms2r1 = 0.0   |  | OK | 0 | Amanda Ntuli<br>526239<br>24.02.2025 | Train |
| 10113 | A | Close the circuit breaker 25Q10                                |  | OK |   | Amanda Ntuli<br>526239<br>24.02.2025 | Train |
| 10114 | A | Open the circuit breaker 25Q14                                 |  | OK |   | Amanda Ntuli<br>526239<br>24.02.2025 | Train |
| 10115 | R | Read Defined Variable [TT]<br>(MPU1)li_ddk_m4cbtcms2r2 = 0.0   |  | OK | 0 | Amanda Ntuli<br>526239<br>24.02.2025 | Train |
| 10116 | A | Close the circuit breaker 25Q14                                |  | OK |   | Amanda Ntuli<br>526239<br>24.02.2025 | Train |
| 10117 | R | Read Defined Variable [TT]<br>(MPU1)li_ddk_m4cbtcms2r1 = 1.0   |  | OK | 1 | Amanda Ntuli<br>526239<br>24.02.2025 | Train |
| 10118 | R | Read Defined Variable [TT]<br>(MPU1)li_ddk_m4cbtcms2r2 = 1.0   |  | OK | 1 | Amanda Ntuli<br>526239<br>24.02.2025 | Train |
| 10119 | A | Open the circuit breaker 33Q1                                  |  | OK |   | Amanda Ntuli<br>526239<br>24.02.2025 | Train |
| 10120 | R | Read Defined Variable [TT]<br>(MPU1)li_ddk_m4cbtraction = 0.0  |  | OK | 0 | Amanda Ntuli<br>526239<br>24.02.2025 | Train |
| 10121 | A | Close the circuit breaker 33Q1                                 |  | OK |   | Amanda Ntuli<br>526239<br>24.02.2025 | Train |
| 10122 | R | Read Defined Variable [TT]<br>(MPU1)li_ddk_m4cbtraction = 1.0  |  | OK | 1 | Amanda Ntuli<br>526239<br>24.02.2025 | Train |
| 10123 | A | Open the circuit breaker 55Q2                                  |  | OK |   | Amanda Ntuli<br>526239<br>24.02.2025 | Train |
| 10124 | R | Read Defined Variable [TT]<br>(MPU1)li_ddk_m4cbvideoinfo = 0.0 |  | OK | 0 | Amanda Ntuli<br>526239<br>24.02.2025 | Train |
| 10125 | A | Close the circuit breaker 55Q2                                 |  | OK |   | Amanda Ntuli<br>526239<br>24.02.2025 | Train |

|       |   |                                                                 |    |   |                                      |       |
|-------|---|-----------------------------------------------------------------|----|---|--------------------------------------|-------|
| 10126 | R | Read Defined Variable [TT]<br>(MPU1)li_ddk_m4cbvideoinfo = 1.0  | OK | 1 | Amanda Ntuli<br>526239<br>24.02.2025 | Train |
| 10127 | I | M1                                                              | OK |   | Amanda Ntuli<br>526239<br>24.02.2025 | Train |
| 10128 | A | Open the circuit breaker 15Q4                                   | OK |   | Amanda Ntuli<br>526239<br>24.02.2025 | Train |
| 10129 | R | Read Defined Variable [TT]<br>(MPU1)li_ddk_m1cb110distrib = 0.0 | OK | 0 | Amanda Ntuli<br>526239<br>24.02.2025 | Train |
| 10130 | A | Close the circuit breaker 15Q4                                  | OK |   | Amanda Ntuli<br>526239<br>24.02.2025 | Train |
| 10131 | R | Read Defined Variable [TT]<br>(MPU1)li_ddk_m1cb110distrib = 1.0 | OK | 1 | Amanda Ntuli<br>526239<br>24.02.2025 | Train |
| 10132 | A | Open the circuit breaker 13Q1                                   | OK |   | Amanda Ntuli<br>526239<br>24.02.2025 | Train |
| 10133 | R | Read Defined Variable [TT]<br>(MPU1)li_ddk_m1cb230distrib = 0.0 | OK | 0 | Amanda Ntuli<br>526239<br>24.02.2025 | Train |
| 10134 | A | Close the circuit breaker 13Q1                                  | OK |   | Amanda Ntuli<br>526239<br>24.02.2025 | Train |
| 10135 | R | Read Defined Variable [TT]<br>(MPU1)li_ddk_m1cb230distrib = 1.0 | OK | 1 | Amanda Ntuli<br>526239<br>24.02.2025 | Train |
| 10136 | A | Open the circuit breaker 57Q1                                   | OK |   | Amanda Ntuli<br>526239<br>24.02.2025 | Train |
| 10137 | R | Read Defined Variable [TT]<br>(MPU1)li_ddk_m1cb400distrib = 0.0 | OK | 0 | Amanda Ntuli<br>526239<br>24.02.2025 | Train |
| 10138 | A | Close the circuit breaker 57Q1                                  | OK |   | Amanda Ntuli<br>526239<br>24.02.2025 | Train |
| 10139 | R | Read Defined Variable [TT]<br>(MPU1)li_ddk_m1cb400distrib = 1.0 | OK | 1 | Amanda Ntuli<br>526239<br>24.02.2025 | Train |
| 10140 | A | Open the circuit breaker 40Q1                                   | OK |   | Amanda Ntuli<br>526239<br>24.02.2025 | Train |
| 10141 | R | Read Defined Variable [TT]<br>(MPU1)li_ddk_m1cbbrake = 0.0      | OK | 0 | Amanda Ntuli<br>526239<br>24.02.2025 | Train |
| 10142 | A | Close the circuit breaker 40Q1                                  | OK |   | Amanda Ntuli<br>526239<br>24.02.2025 | Train |
| 10143 | R | Read Defined Variable [TT]<br>(MPU1)li_ddk_m1cbbrake = 1.0      | OK | 1 | Amanda Ntuli<br>526239<br>24.02.2025 | Train |
| 10144 | A | Open the circuit breaker 50Q4                                   | OK |   | Amanda Ntuli<br>526239               | Train |

|       |   |                                                               |  |    |   |                                      |       |
|-------|---|---------------------------------------------------------------|--|----|---|--------------------------------------|-------|
|       |   |                                                               |  |    |   | 24.02.2025                           |       |
| 10145 | R | Read Defined Variable [TT]<br>(MPU1)li_ddk_m1cbdoors = 0.0    |  | OK | 0 | Amanda Ntuli<br>526239<br>24.02.2025 | Train |
| 10146 | A | Close the circuit breaker 50Q4                                |  | OK |   | Amanda Ntuli<br>526239<br>24.02.2025 | Train |
| 10147 | R | Read Defined Variable [TT]<br>(MPU1)li_ddk_m1cbdoors = 1.0    |  | OK | 1 | Amanda Ntuli<br>526239<br>24.02.2025 | Train |
| 10148 | A | Open the circuit breaker 21Q2                                 |  | OK |   | Amanda Ntuli<br>526239<br>24.02.2025 | Train |
| 10149 | R | Read Defined Variable [TT]<br>(MPU1)li_ddk_m1cbenergy = 0.0   |  | OK | 0 | Amanda Ntuli<br>526239<br>24.02.2025 | Train |
| 10150 | A | Close the circuit breaker 21Q2                                |  | OK |   | Amanda Ntuli<br>526239<br>24.02.2025 | Train |
| 10151 | R | Read Defined Variable [TT]<br>(MPU1)li_ddk_m1cbenergy = 1.0   |  | OK | 1 | Amanda Ntuli<br>526239<br>24.02.2025 | Train |
| 10152 | A | Open the circuit breaker 57Q2                                 |  | OK |   | Amanda Ntuli<br>526239<br>24.02.2025 | Train |
| 10153 | R | Read Defined Variable [TT]<br>(MPU1)li_ddk_m1cbhvac = 0.0     |  | OK | 0 | Amanda Ntuli<br>526239<br>24.02.2025 | Train |
| 10154 | A | Close the circuit breaker 57Q2                                |  | OK |   | Amanda Ntuli<br>526239<br>24.02.2025 | Train |
| 10155 | R | Read Defined Variable [TT]<br>(MPU1)li_ddk_m1cbhvac = 1.0     |  | OK | 1 | Amanda Ntuli<br>526239<br>24.02.2025 | Train |
| 10156 | A | Open the circuit breaker 52Q4                                 |  | OK |   | Amanda Ntuli<br>526239<br>24.02.2025 | Train |
| 10157 | R | Read Defined Variable [TT]<br>(MPU1)li_ddk_m1cblighting = 0.0 |  | OK | 0 | Amanda Ntuli<br>526239<br>24.02.2025 | Train |
| 10158 | A | Close the circuit breaker 52Q4                                |  | OK |   | Amanda Ntuli<br>526239<br>24.02.2025 | Train |
| 10159 | R | Read Defined Variable [TT]<br>(MPU1)li_ddk_m1cblighting = 1.0 |  | OK | 1 | Amanda Ntuli<br>526239<br>24.02.2025 | Train |
| 10160 | A | Open the circuit breaker 54Q10                                |  | OK |   | Amanda Ntuli<br>526239<br>24.02.2025 | Train |
| 10161 | R | Read Defined Variable [TT]<br>(MPU1)li_ddk_m1cbpacs = 0.0     |  | OK | 0 | Amanda Ntuli<br>526239<br>24.02.2025 | Train |
| 10162 | A | Close the circuit breaker 54Q10                               |  | OK |   | Amanda Ntuli<br>526239<br>24.02.2025 | Train |



|       |   |                                                                  |  |    |   |                                      |       |
|-------|---|------------------------------------------------------------------|--|----|---|--------------------------------------|-------|
| 10163 | R | Read Defined Variable [TT]<br>(MPU1)li_ddk_m1cbpacs = 1.0        |  | OK | 1 | Amanda Ntuli<br>526239<br>24.02.2025 | Train |
| 10164 | A | Open the circuit breaker 44Q1                                    |  | OK |   | Amanda Ntuli<br>526239<br>24.02.2025 | Train |
| 10165 | R | Read Defined Variable [TT]<br>(MPU1)li_ddk_m1cbsafetyfctr1 = 0.0 |  | OK | 0 | Amanda Ntuli<br>526239<br>24.02.2025 | Train |
| 10166 | R | Read Defined Variable [TT]<br>(MPU1)li_ddk_m1cbsafetyfctr2 = 0.0 |  | OK | 0 | Amanda Ntuli<br>526239<br>24.02.2025 | Train |
| 10167 | A | Close the circuit breaker 44Q1                                   |  | OK |   | Amanda Ntuli<br>526239<br>24.02.2025 | Train |
| 10168 | R | Read Defined Variable [TT]<br>(MPU1)li_ddk_m1cbsafetyfctr1 = 1.0 |  | OK | 1 | Amanda Ntuli<br>526239<br>24.02.2025 | Train |
| 10169 | R | Read Defined Variable [TT]<br>(MPU1)li_ddk_m1cbsafetyfctr2 = 1.0 |  | OK | 1 | Amanda Ntuli<br>526239<br>24.02.2025 | Train |
| 10170 | A | Open the circuit breaker 13Q2                                    |  | OK |   | Amanda Ntuli<br>526239<br>24.02.2025 | Train |
| 10171 | R | Read Defined Variable [TT]<br>(MPU1)li_ddk_m1cbsockets = 0.0     |  | OK | 0 | Amanda Ntuli<br>526239<br>24.02.2025 | Train |
| 10172 | A | Close the circuit breaker 13Q2                                   |  | OK |   | Amanda Ntuli<br>526239<br>24.02.2025 | Train |
| 10173 | R | Read Defined Variable [TT]<br>(MPU1)li_ddk_m1cbsockets = 1.0     |  | OK | 1 | Amanda Ntuli<br>526239<br>24.02.2025 | Train |
| 10174 | A | Open the circuit breaker 25Q6                                    |  | OK |   | Amanda Ntuli<br>526239<br>24.02.2025 | Train |
| 10175 | R | Read Defined Variable [TT]<br>(MPU1)li_ddk_m1cbtcms1r1 = 0.0     |  | OK | 0 | Amanda Ntuli<br>526239<br>24.02.2025 | Train |
| 10176 | R | Read Defined Variable [TT]<br>(MPU1)li_ddk_m1cbtcms1r2 = 0.0     |  | OK | 0 | Amanda Ntuli<br>526239<br>24.02.2025 | Train |
| 10177 | A | Close the circuit breaker 25Q6                                   |  | OK |   | Amanda Ntuli<br>526239<br>24.02.2025 | Train |
| 10178 | R | Read Defined Variable [TT]<br>(MPU1)li_ddk_m1cbtcms1r1 = 1.0     |  | OK | 1 | Amanda Ntuli<br>526239<br>24.02.2025 | Train |
| 10179 | R | Read Defined Variable [TT]<br>(MPU1)li_ddk_m1cbtcms1r2 = 1.0     |  | OK | 1 | Amanda Ntuli<br>526239<br>24.02.2025 | Train |
| 10180 | A | Open the circuit breaker 25Q10                                   |  | OK |   | Amanda Ntuli<br>526239<br>24.02.2025 | Train |

|       |   |                                                                 |  |    |   |                                      |       |
|-------|---|-----------------------------------------------------------------|--|----|---|--------------------------------------|-------|
| 10181 | R | Read Defined Variable [TT]<br>(MPU1)li_ddk_m1cbtcms2r1 = 0.0    |  | OK | 0 | Amanda Ntuli<br>526239<br>24.02.2025 | Train |
| 10182 | A | Close the circuit breaker 25Q10                                 |  | OK |   | Amanda Ntuli<br>526239<br>24.02.2025 | Train |
| 10183 | A | Open the circuit breaker 25Q14                                  |  | OK |   | Amanda Ntuli<br>526239<br>24.02.2025 | Train |
| 10184 | R | Read Defined Variable [TT]<br>(MPU1)li_ddk_m1cbtcms2r2 = 0.0    |  | OK | 0 | Amanda Ntuli<br>526239<br>24.02.2025 | Train |
| 10185 | A | Close the circuit breaker 25Q14                                 |  | OK |   | Amanda Ntuli<br>526239<br>24.02.2025 | Train |
| 10186 | R | Read Defined Variable [TT]<br>(MPU1)li_ddk_m1cbtcms2r1 = 1.0    |  | OK | 1 | Amanda Ntuli<br>526239<br>24.02.2025 | Train |
| 10187 | R | Read Defined Variable [TT]<br>(MPU1)li_ddk_m1cbtcms2r2 = 1.0    |  | OK | 1 | Amanda Ntuli<br>526239<br>24.02.2025 | Train |
| 10188 | A | Open the circuit breaker 33Q1                                   |  | OK |   | Amanda Ntuli<br>526239<br>24.02.2025 | Train |
| 10189 | R | Read Defined Variable [TT]<br>(MPU1)li_ddk_m1cbtraction = 0.0   |  | OK | 0 | Amanda Ntuli<br>526239<br>24.02.2025 | Train |
| 10190 | A | Close the circuit breaker 33Q1                                  |  | OK |   | Amanda Ntuli<br>526239<br>24.02.2025 | Train |
| 10191 | R | Read Defined Variable [TT]<br>(MPU1)li_ddk_m1cbtraction = 1.0   |  | OK | 1 | Amanda Ntuli<br>526239<br>24.02.2025 | Train |
| 10192 | A | Open the circuit breaker 55Q2                                   |  | OK |   | Amanda Ntuli<br>526239<br>24.02.2025 | Train |
| 10193 | R | Read Defined Variable [TT]<br>(MPU1)li_ddk_m1cbvideoinfo = 0.0  |  | OK | 0 | Amanda Ntuli<br>526239<br>24.02.2025 | Train |
| 10194 | A | Close the circuit breaker 55Q2                                  |  | OK |   | Amanda Ntuli<br>526239<br>24.02.2025 | Train |
| 10195 | R | Read Defined Variable [TT]<br>(MPU1)li_ddk_m1cbvideoinfo = 1.0  |  | OK | 1 | Amanda Ntuli<br>526239<br>24.02.2025 | Train |
| 10196 | I | M2                                                              |  | OK |   | Amanda Ntuli<br>526239<br>24.02.2025 | Train |
| 10197 | A | Open the circuit breaker 15Q4                                   |  | OK |   | Amanda Ntuli<br>526239<br>24.02.2025 | Train |
| 10198 | R | Read Defined Variable [TT]<br>(MPU1)li_ddk_m2cb110distrib = 0.0 |  | OK | 0 | Amanda Ntuli<br>526239<br>24.02.2025 | Train |
| 10199 | A | Close the circuit breaker 15Q4                                  |  | OK |   | Amanda Ntuli<br>526239               | Train |

|       |   |                                                                 |  |    |   |                                      |       |
|-------|---|-----------------------------------------------------------------|--|----|---|--------------------------------------|-------|
|       |   |                                                                 |  |    |   | 24.02.2025                           |       |
| 10200 | R | Read Defined Variable [TT]<br>(MPU1)li_ddk_m2cb110distrib = 1.0 |  | OK | 1 | Amanda Ntuli<br>526239<br>24.02.2025 | Train |
| 10201 | A | Open the circuit breaker 13Q1                                   |  | OK |   | Amanda Ntuli<br>526239<br>24.02.2025 | Train |
| 10202 | R | Read Defined Variable [TT]<br>(MPU1)li_ddk_m2cb230distrib = 0.0 |  | OK | 0 | Amanda Ntuli<br>526239<br>24.02.2025 | Train |
| 10203 | A | Close the circuit breaker 13Q1                                  |  | OK |   | Amanda Ntuli<br>526239<br>24.02.2025 | Train |
| 10204 | R | Read Defined Variable [TT]<br>(MPU1)li_ddk_m2cb230distrib = 1.0 |  | OK | 1 | Amanda Ntuli<br>526239<br>24.02.2025 | Train |
| 10205 | A | Open the circuit breaker 57Q1                                   |  | OK |   | Amanda Ntuli<br>526239<br>24.02.2025 | Train |
| 10206 | R | Read Defined Variable [TT]<br>(MPU1)li_ddk_m2cb400distrib = 0.0 |  | OK | 0 | Amanda Ntuli<br>526239<br>24.02.2025 | Train |
| 10207 | A | Close the circuit breaker 57Q1                                  |  | OK |   | Amanda Ntuli<br>526239<br>24.02.2025 | Train |
| 10208 | R | Read Defined Variable [TT]<br>(MPU1)li_ddk_m2cb400distrib = 1.0 |  | OK | 1 | Amanda Ntuli<br>526239<br>24.02.2025 | Train |
| 10209 | A | Open the circuit breaker 40Q1                                   |  | OK |   | Amanda Ntuli<br>526239<br>24.02.2025 | Train |
| 10210 | R | Read Defined Variable [TT]<br>(MPU1)li_ddk_m2cbbrake = 0.0      |  | OK | 0 | Amanda Ntuli<br>526239<br>24.02.2025 | Train |
| 10211 | A | Close the circuit breaker 40Q1                                  |  | OK |   | Amanda Ntuli<br>526239<br>24.02.2025 | Train |
| 10212 | R | Read Defined Variable [TT]<br>(MPU1)li_ddk_m2cbbrake = 1.0      |  | OK | 1 | Amanda Ntuli<br>526239<br>24.02.2025 | Train |
| 10213 | A | Open the circuit breaker 50Q4                                   |  | OK |   | Amanda Ntuli<br>526239<br>24.02.2025 | Train |
| 10214 | R | Read Defined Variable [TT]<br>(MPU1)li_ddk_m2cbdoors = 0.0      |  | OK | 0 | Amanda Ntuli<br>526239<br>24.02.2025 | Train |
| 10215 | A | Close the circuit breaker 50Q4                                  |  | OK |   | Amanda Ntuli<br>526239<br>24.02.2025 | Train |
| 10216 | R | Read Defined Variable [TT]<br>(MPU1)li_ddk_m2cbdoors = 1.0      |  | OK | 1 | Amanda Ntuli<br>526239<br>24.02.2025 | Train |
| 10217 | A | Open the circuit breaker 21Q2                                   |  | OK |   | Amanda Ntuli<br>526239<br>24.02.2025 | Train |

|       |   |                                                               |  |    |   |                                      |       |
|-------|---|---------------------------------------------------------------|--|----|---|--------------------------------------|-------|
| 10218 | R | Read Defined Variable [TT]<br>(MPU1)li_ddk_m2cbenergy = 0.0   |  | OK | 0 | Amanda Ntuli<br>526239<br>24.02.2025 | Train |
| 10219 | A | Close the circuit breaker 21Q2                                |  | OK |   | Amanda Ntuli<br>526239<br>24.02.2025 | Train |
| 10220 | R | Read Defined Variable [TT]<br>(MPU1)li_ddk_m2cbenergy = 1.0   |  | OK | 1 | Amanda Ntuli<br>526239<br>24.02.2025 | Train |
| 10221 | A | Open the circuit breaker 62Q2                                 |  | OK |   | Amanda Ntuli<br>526239<br>24.02.2025 | Train |
| 10222 | R | Read Defined Variable [TT]<br>(MPU1)li_ddk_m2cbertmsr1 = 0.0  |  | OK | 0 | Amanda Ntuli<br>526239<br>24.02.2025 | Train |
| 10223 | R | Read Defined Variable [TT]<br>(MPU1)li_ddk_m2cbertmsr2 = 0.0  |  | OK | 0 | Amanda Ntuli<br>526239<br>24.02.2025 | Train |
| 10224 | A | Close the circuit breaker 62Q2                                |  | OK |   | Amanda Ntuli<br>526239<br>24.02.2025 | Train |
| 10225 | R | Read Defined Variable [TT]<br>(MPU1)li_ddk_m2cbertmsr1 = 1.0  |  | OK | 1 | Amanda Ntuli<br>526239<br>24.02.2025 | Train |
| 10226 | R | Read Defined Variable [TT]<br>(MPU1)li_ddk_m2cbertmsr2 = 1.0  |  | OK | 1 | Amanda Ntuli<br>526239<br>24.02.2025 | Train |
| 10227 | A | Open the circuit breaker 57Q2                                 |  | OK |   | Amanda Ntuli<br>526239<br>24.02.2025 | Train |
| 10228 | R | Read Defined Variable [TT]<br>(MPU1)li_ddk_m2cbhvac = 0.0     |  | OK | 0 | Amanda Ntuli<br>526239<br>24.02.2025 | Train |
| 10229 | A | Close the circuit breaker 57Q2                                |  | OK |   | Amanda Ntuli<br>526239<br>24.02.2025 | Train |
| 10230 | R | Read Defined Variable [TT]<br>(MPU1)li_ddk_m2cbhvac = 1.0     |  | OK | 1 | Amanda Ntuli<br>526239<br>24.02.2025 | Train |
| 10231 | A | Open the circuit breaker 52Q4                                 |  | OK |   | Amanda Ntuli<br>526239<br>24.02.2025 | Train |
| 10232 | R | Read Defined Variable [TT]<br>(MPU1)li_ddk_m2cblighting = 0.0 |  | OK | 0 | Amanda Ntuli<br>526239<br>24.02.2025 | Train |
| 10233 | A | Close the circuit breaker 52Q4                                |  | OK |   | Amanda Ntuli<br>526239<br>24.02.2025 | Train |
| 10234 | R | Read Defined Variable [TT]<br>(MPU1)li_ddk_m2cblighting = 1.0 |  | OK | 1 | Amanda Ntuli<br>526239<br>24.02.2025 | Train |
| 10235 | A | Open the circuit breaker 54Q10                                |  | OK |   | Amanda Ntuli<br>526239<br>24.02.2025 | Train |

|       |   |                                                                  |  |    |   |                                      |       |
|-------|---|------------------------------------------------------------------|--|----|---|--------------------------------------|-------|
| 10236 | R | Read Defined Variable [TT]<br>(MPU1)li_ddk_m2cbpacs = 0.0        |  | OK | 0 | Amanda Ntuli<br>526239<br>24.02.2025 | Train |
| 10237 | A | Close the circuit breaker 54Q10                                  |  | OK |   | Amanda Ntuli<br>526239<br>24.02.2025 | Train |
| 10238 | R | Read Defined Variable [TT]<br>(MPU1)li_ddk_m2cbpacs = 1.0        |  | OK | 1 | Amanda Ntuli<br>526239<br>24.02.2025 | Train |
| 10239 | A | Open the circuit breaker 44Q1                                    |  | OK |   | Amanda Ntuli<br>526239<br>24.02.2025 | Train |
| 10240 | R | Read Defined Variable [TT]<br>(MPU1)li_ddk_m2cbsafetyfctr1 = 0.0 |  | OK | 0 | Amanda Ntuli<br>526239<br>24.02.2025 | Train |
| 10241 | R | Read Defined Variable [TT]<br>(MPU1)li_ddk_m2cbsafetyfctr2 = 0.0 |  | OK | 0 | Amanda Ntuli<br>526239<br>24.02.2025 | Train |
| 10242 | A | Close the circuit breaker 44Q1                                   |  | OK |   | Amanda Ntuli<br>526239<br>24.02.2025 | Train |
| 10243 | R | Read Defined Variable [TT]<br>(MPU1)li_ddk_m2cbsafetyfctr1 = 1.0 |  | OK | 1 | Amanda Ntuli<br>526239<br>24.02.2025 | Train |
| 10244 | R | Read Defined Variable [TT]<br>(MPU1)li_ddk_m2cbsafetyfctr2 = 1.0 |  | OK | 1 | Amanda Ntuli<br>526239<br>24.02.2025 | Train |
| 10245 | A | Open the circuit breaker 13Q2                                    |  | OK |   | Amanda Ntuli<br>526239<br>24.02.2025 | Train |
| 10246 | R | Read Defined Variable [TT]<br>(MPU1)li_ddk_m2cbsockets = 0.0     |  | OK | 0 | Amanda Ntuli<br>526239<br>24.02.2025 | Train |
| 10247 | A | Close the circuit breaker 13Q2                                   |  | OK |   | Amanda Ntuli<br>526239<br>24.02.2025 | Train |
| 10248 | R | Read Defined Variable [TT]<br>(MPU1)li_ddk_m2cbsockets = 1.0     |  | OK | 1 | Amanda Ntuli<br>526239<br>24.02.2025 | Train |
| 10249 | A | Open the circuit breaker 25Q6                                    |  | OK |   | Amanda Ntuli<br>526239<br>24.02.2025 | Train |
| 10250 | R | Read Defined Variable [TT]<br>(MPU1)li_ddk_m2cbtcms1r1 = 0.0     |  | OK | 0 | Amanda Ntuli<br>526239<br>24.02.2025 | Train |
| 10251 | R | Read Defined Variable [TT]<br>(MPU1)li_ddk_m2cbtcms1r2 = 0.0     |  | OK | 0 | Amanda Ntuli<br>526239<br>24.02.2025 | Train |
| 10252 | A | Close the circuit breaker 25Q6                                   |  | OK |   | Amanda Ntuli<br>526239<br>24.02.2025 | Train |
| 10253 | R | Read Defined Variable [TT]<br>(MPU1)li_ddk_m2cbtcms1r1 = 1.0     |  | OK | 1 | Amanda Ntuli<br>526239<br>24.02.2025 | Train |

|       |   |                                                                |  |    |   |                                      |       |
|-------|---|----------------------------------------------------------------|--|----|---|--------------------------------------|-------|
| 10254 | R | Read Defined Variable [TT]<br>(MPU1)li_ddk_m2cbtcms1r2 = 1.0   |  | OK | 1 | Amanda Ntuli<br>526239<br>24.02.2025 | Train |
| 10255 | A | Open the circuit breaker 25Q10                                 |  | OK |   | Amanda Ntuli<br>526239<br>24.02.2025 | Train |
| 10256 | R | Read Defined Variable [TT]<br>(MPU1)li_ddk_m2cbtcms2r1 = 0.0   |  | OK | 0 | Amanda Ntuli<br>526239<br>24.02.2025 | Train |
| 10257 | A | Close the circuit breaker 25Q10                                |  | OK |   | Amanda Ntuli<br>526239<br>24.02.2025 | Train |
| 10258 | A | Open the circuit breaker 25Q14                                 |  | OK |   | Amanda Ntuli<br>526239<br>24.02.2025 | Train |
| 10259 | R | Read Defined Variable [TT]<br>(MPU1)li_ddk_m2cbtcms2r2 = 0.0   |  | OK | 0 | Amanda Ntuli<br>526239<br>24.02.2025 | Train |
| 10260 | A | Close the circuit breaker 25Q14                                |  | OK |   | Amanda Ntuli<br>526239<br>24.02.2025 | Train |
| 10261 | R | Read Defined Variable [TT]<br>(MPU1)li_ddk_m2cbtcms2r1 = 1.0   |  | OK | 1 | Amanda Ntuli<br>526239<br>24.02.2025 | Train |
| 10262 | R | Read Defined Variable [TT]<br>(MPU1)li_ddk_m2cbtcms2r2 = 1.0   |  | OK | 1 | Amanda Ntuli<br>526239<br>24.02.2025 | Train |
| 10263 | A | Open the circuit breaker 33Q1                                  |  | OK |   | Amanda Ntuli<br>526239<br>24.02.2025 | Train |
| 10264 | R | Read Defined Variable [TT]<br>(MPU1)li_ddk_m2cbtraction = 0.0  |  | OK | 0 | Amanda Ntuli<br>526239<br>24.02.2025 | Train |
| 10265 | A | Close the circuit breaker 33Q1                                 |  | OK |   | Amanda Ntuli<br>526239<br>24.02.2025 | Train |
| 10266 | R | Read Defined Variable [TT]<br>(MPU1)li_ddk_m2cbtraction = 1.0  |  | OK | 1 | Amanda Ntuli<br>526239<br>24.02.2025 | Train |
| 10267 | A | Open the circuit breaker 55Q2                                  |  | OK |   | Amanda Ntuli<br>526239<br>24.02.2025 | Train |
| 10268 | R | Read Defined Variable [TT]<br>(MPU1)li_ddk_m2cbvideoinfo = 0.0 |  | OK | 0 | Amanda Ntuli<br>526239<br>24.02.2025 | Train |
| 10269 | A | Close the circuit breaker 55Q2                                 |  | OK |   | Amanda Ntuli<br>526239<br>24.02.2025 | Train |
| 10270 | R | Read Defined Variable [TT]<br>(MPU1)li_ddk_m2cbvideoinfo = 1.0 |  | OK | 1 | Amanda Ntuli<br>526239<br>24.02.2025 | Train |
| 10271 | I | M3                                                             |  | OK |   | Amanda Ntuli<br>526239<br>24.02.2025 | Train |
| 10272 | A | Open the circuit breaker 15Q4                                  |  | OK |   | Amanda Ntuli<br>526239               | Train |

|       |   |                                                                 |  |    |   |                                      |       |
|-------|---|-----------------------------------------------------------------|--|----|---|--------------------------------------|-------|
|       |   |                                                                 |  |    |   | 24.02.2025                           |       |
| 10273 | R | Read Defined Variable [TT]<br>(MPU1)li_ddk_m3cb110distrib = 0.0 |  | OK | 0 | Amanda Ntuli<br>526239<br>24.02.2025 | Train |
| 10274 | A | Close the circuit breaker 15Q4                                  |  | OK |   | Amanda Ntuli<br>526239<br>24.02.2025 | Train |
| 10275 | R | Read Defined Variable [TT]<br>(MPU1)li_ddk_m3cb110distrib = 1.0 |  | OK | 1 | Amanda Ntuli<br>526239<br>24.02.2025 | Train |
| 10276 | A | Open the circuit breaker 13Q1                                   |  | OK |   | Amanda Ntuli<br>526239<br>24.02.2025 | Train |
| 10277 | R | Read Defined Variable [TT]<br>(MPU1)li_ddk_m3cb230distrib = 0.0 |  | OK | 0 | Amanda Ntuli<br>526239<br>24.02.2025 | Train |
| 10278 | A | Close the circuit breaker 13Q1                                  |  | OK |   | Amanda Ntuli<br>526239<br>24.02.2025 | Train |
| 10279 | R | Read Defined Variable [TT]<br>(MPU1)li_ddk_m3cb230distrib = 1.0 |  | OK | 1 | Amanda Ntuli<br>526239<br>24.02.2025 | Train |
| 10280 | A | Open the circuit breaker 57Q1                                   |  | OK |   | Amanda Ntuli<br>526239<br>24.02.2025 | Train |
| 10281 | R | Read Defined Variable [TT]<br>(MPU1)li_ddk_m3cb400distrib = 0.0 |  | OK | 0 | Amanda Ntuli<br>526239<br>24.02.2025 | Train |
| 10282 | A | Close the circuit breaker 57Q1                                  |  | OK |   | Amanda Ntuli<br>526239<br>24.02.2025 | Train |
| 10283 | R | Read Defined Variable [TT]<br>(MPU1)li_ddk_m3cb400distrib = 1.0 |  | OK | 1 | Amanda Ntuli<br>526239<br>24.02.2025 | Train |
| 10284 | A | Open the circuit breaker 40Q1                                   |  | OK |   | Amanda Ntuli<br>526239<br>24.02.2025 | Train |
| 10285 | R | Read Defined Variable [TT]<br>(MPU1)li_ddk_m3cbbrake = 0.0      |  | OK | 0 | Amanda Ntuli<br>526239<br>24.02.2025 | Train |
| 10286 | A | Close the circuit breaker 40Q1                                  |  | OK |   | Amanda Ntuli<br>526239<br>24.02.2025 | Train |
| 10287 | R | Read Defined Variable [TT]<br>(MPU1)li_ddk_m3cbbrake = 1.0      |  | OK | 1 | Amanda Ntuli<br>526239<br>24.02.2025 | Train |
| 10288 | A | Open the circuit breaker 50Q4                                   |  | OK |   | Amanda Ntuli<br>526239<br>24.02.2025 | Train |
| 10289 | R | Read Defined Variable [TT]<br>(MPU1)li_ddk_m3cbdoors = 0.0      |  | OK | 0 | Amanda Ntuli<br>526239<br>24.02.2025 | Train |
| 10290 | A | Close the circuit breaker 50Q4                                  |  | OK |   | Amanda Ntuli<br>526239<br>24.02.2025 | Train |

|       |   |                                                                  |  |    |   |                                      |       |
|-------|---|------------------------------------------------------------------|--|----|---|--------------------------------------|-------|
| 10291 | R | Read Defined Variable [TT]<br>(MPU1)li_ddk_m3cbdoors = 1.0       |  | OK | 1 | Amanda Ntuli<br>526239<br>24.02.2025 | Train |
| 10292 | A | Open the circuit breaker 57Q2                                    |  | OK |   | Amanda Ntuli<br>526239<br>24.02.2025 | Train |
| 10293 | R | Read Defined Variable [TT]<br>(MPU1)li_ddk_m3cbhvac = 0.0        |  | OK | 0 | Amanda Ntuli<br>526239<br>24.02.2025 | Train |
| 10294 | A | Close the circuit breaker 57Q2                                   |  | OK |   | Amanda Ntuli<br>526239<br>24.02.2025 | Train |
| 10295 | R | Read Defined Variable [TT]<br>(MPU1)li_ddk_m3cbhvac = 1.0        |  | OK | 1 | Amanda Ntuli<br>526239<br>24.02.2025 | Train |
| 10296 | A | Open the circuit breaker 52Q4                                    |  | OK |   | Amanda Ntuli<br>526239<br>24.02.2025 | Train |
| 10297 | R | Read Defined Variable [TT]<br>(MPU1)li_ddk_m3cblighting = 0.0    |  | OK | 0 | Amanda Ntuli<br>526239<br>24.02.2025 | Train |
| 10298 | A | Close the circuit breaker 52Q4                                   |  | OK |   | Amanda Ntuli<br>526239<br>24.02.2025 | Train |
| 10299 | R | Read Defined Variable [TT]<br>(MPU1)li_ddk_m3cblighting = 1.0    |  | OK | 1 | Amanda Ntuli<br>526239<br>24.02.2025 | Train |
| 10300 | A | Open the circuit breaker 54Q10                                   |  | OK |   | Amanda Ntuli<br>526239<br>24.02.2025 | Train |
| 10301 | R | Read Defined Variable [TT]<br>(MPU1)li_ddk_m3cbpacs = 0.0        |  | OK | 0 | Amanda Ntuli<br>526239<br>24.02.2025 | Train |
| 10302 | A | Close the circuit breaker 54Q10                                  |  | OK |   | Amanda Ntuli<br>526239<br>24.02.2025 | Train |
| 10303 | R | Read Defined Variable [TT]<br>(MPU1)li_ddk_m3cbpacs = 1.0        |  | OK | 1 | Amanda Ntuli<br>526239<br>24.02.2025 | Train |
| 10304 | A | Open the circuit breaker 44Q1                                    |  | OK |   | Amanda Ntuli<br>526239<br>24.02.2025 | Train |
| 10305 | R | Read Defined Variable [TT]<br>(MPU1)li_ddk_m3cbsafetyfctr1 = 0.0 |  | OK | 0 | Amanda Ntuli<br>526239<br>24.02.2025 | Train |
| 10306 | R | Read Defined Variable [TT]<br>(MPU1)li_ddk_m3cbsafetyfctr2 = 0.0 |  | OK | 0 | Amanda Ntuli<br>526239<br>24.02.2025 | Train |
| 10307 | A | Close the circuit breaker 44Q1                                   |  | OK |   | Amanda Ntuli<br>526239<br>24.02.2025 | Train |
| 10308 | R | Read Defined Variable [TT]<br>(MPU1)li_ddk_m3cbsafetyfctr1 = 1.0 |  | OK | 1 | Amanda Ntuli<br>526239<br>24.02.2025 | Train |



|       |   |                                                                 |  |    |   |                                      |       |
|-------|---|-----------------------------------------------------------------|--|----|---|--------------------------------------|-------|
| 10309 | R | Read Defined Variable [TT]<br>(MPU1)li_ddk_m3cbsafetyctr2 = 1.0 |  | OK | 1 | Amanda Ntuli<br>526239<br>24.02.2025 | Train |
| 10310 | A | Open the circuit breaker 13Q2                                   |  | OK |   | Amanda Ntuli<br>526239<br>24.02.2025 | Train |
| 10311 | R | Read Defined Variable [TT]<br>(MPU1)li_ddk_m3cbsockets = 0.0    |  | OK | 0 | Amanda Ntuli<br>526239<br>24.02.2025 | Train |
| 10312 | A | Close the circuit breaker 13Q2                                  |  | OK |   | Amanda Ntuli<br>526239<br>24.02.2025 | Train |
| 10313 | R | Read Defined Variable [TT]<br>(MPU1)li_ddk_m3cbsockets = 1.0    |  | OK | 1 | Amanda Ntuli<br>526239<br>24.02.2025 | Train |
| 10314 | A | Open the circuit breaker 25Q6                                   |  | OK |   | Amanda Ntuli<br>526239<br>24.02.2025 | Train |
| 10315 | R | Read Defined Variable [TT]<br>(MPU1)li_ddk_m3cbtcms1r1 = 0.0    |  | OK | 0 | Amanda Ntuli<br>526239<br>24.02.2025 | Train |
| 10316 | R | Read Defined Variable [TT]<br>(MPU1)li_ddk_m3cbtcms1r2 = 0.0    |  | OK | 0 | Amanda Ntuli<br>526239<br>24.02.2025 | Train |
| 10317 | A | Close the circuit breaker 25Q6                                  |  | OK |   | Amanda Ntuli<br>526239<br>24.02.2025 | Train |
| 10318 | R | Read Defined Variable [TT]<br>(MPU1)li_ddk_m3cbtcms1r1 = 1.0    |  | OK | 1 | Amanda Ntuli<br>526239<br>24.02.2025 | Train |
| 10319 | R | Read Defined Variable [TT]<br>(MPU1)li_ddk_m3cbtcms1r2 = 1.0    |  | OK | 1 | Amanda Ntuli<br>526239<br>24.02.2025 | Train |
| 10320 | A | Open the circuit breaker 25Q10                                  |  | OK |   | Amanda Ntuli<br>526239<br>24.02.2025 | Train |
| 10321 | R | Read Defined Variable [TT]<br>(MPU1)li_ddk_m3cbtcms2r1 = 0.0    |  | OK | 0 | Amanda Ntuli<br>526239<br>24.02.2025 | Train |
| 10322 | A | Close the circuit breaker 25Q10                                 |  | OK |   | Amanda Ntuli<br>526239<br>24.02.2025 | Train |
| 10323 | A | Open the circuit breaker 25Q14                                  |  | OK |   | Amanda Ntuli<br>526239<br>24.02.2025 | Train |
| 10324 | R | Read Defined Variable [TT]<br>(MPU1)li_ddk_m3cbtcms2r2 = 0.0    |  | OK | 0 | Amanda Ntuli<br>526239<br>24.02.2025 | Train |
| 10325 | A | Close the circuit breaker 25Q14                                 |  | OK |   | Amanda Ntuli<br>526239<br>24.02.2025 | Train |
| 10326 | R | Read Defined Variable [TT]<br>(MPU1)li_ddk_m3cbtcms2r1 = 1.0    |  | OK | 1 | Amanda Ntuli<br>526239<br>24.02.2025 | Train |

|       |   |                                                                  |    |   |                                      |       |
|-------|---|------------------------------------------------------------------|----|---|--------------------------------------|-------|
| 10327 | R | Read Defined Variable [TT]<br>(MPU1)li_ddk_m3cbtms2r2 = 1.0      | OK | 1 | Amanda Ntuli<br>526239<br>24.02.2025 | Train |
| 10328 | A | Open the circuit breaker 33Q1                                    | OK |   | Amanda Ntuli<br>526239<br>24.02.2025 | Train |
| 10329 | R | Read Defined Variable [TT]<br>(MPU1)li_ddk_m3cbtraction = 0.0    | OK | 0 | Amanda Ntuli<br>526239<br>24.02.2025 | Train |
| 10330 | A | Close the circuit breaker 33Q1                                   | OK |   | Amanda Ntuli<br>526239<br>24.02.2025 | Train |
| 10331 | R | Read Defined Variable [TT]<br>(MPU1)li_ddk_m3cbtraction = 1.0    | OK | 1 | Amanda Ntuli<br>526239<br>24.02.2025 | Train |
| 10332 | A | Open the circuit breaker 55Q2                                    | OK |   | Amanda Ntuli<br>526239<br>24.02.2025 | Train |
| 10333 | R | Read Defined Variable [TT]<br>(MPU1)li_ddk_m3cbvideoinfo = 0.0   | OK | 0 | Amanda Ntuli<br>526239<br>24.02.2025 | Train |
| 10334 | A | Close the circuit breaker 55Q2                                   | OK |   | Amanda Ntuli<br>526239<br>24.02.2025 | Train |
| 10335 | R | Read Defined Variable [TT]<br>(MPU1)li_ddk_m3cbvideoinfo = 1.0   | OK | 1 | Amanda Ntuli<br>526239<br>24.02.2025 | Train |
| 10336 | I | TC2                                                              | OK |   | Amanda Ntuli<br>526239<br>24.02.2025 | Train |
| 10337 | A | Open the circuit breaker 15Q4                                    | OK |   | Amanda Ntuli<br>526239<br>24.02.2025 | Train |
| 10338 | R | Read Defined Variable [TT]<br>(MPU1)li_ddk_tc2cb110distrib = 0.0 | OK | 0 | Amanda Ntuli<br>526239<br>24.02.2025 | Train |
| 10339 | A | Close the circuit breaker 15Q4                                   | OK |   | Amanda Ntuli<br>526239<br>24.02.2025 | Train |
| 10340 | R | Read Defined Variable [TT]<br>(MPU1)li_ddk_tc2cb110distrib = 1.0 | OK | 1 | Amanda Ntuli<br>526239<br>24.02.2025 | Train |
| 10341 | A | Open the circuit breaker 13Q1                                    | OK |   | Amanda Ntuli<br>526239<br>24.02.2025 | Train |
| 10342 | R | Read Defined Variable [TT]<br>(MPU1)li_ddk_tc2cb230distrib = 0.0 | OK | 0 | Amanda Ntuli<br>526239<br>24.02.2025 | Train |
| 10343 | A | Close the circuit breaker 13Q1                                   | OK |   | Amanda Ntuli<br>526239<br>24.02.2025 | Train |
| 10344 | R | Read Defined Variable [TT]<br>(MPU1)li_ddk_tc2cb230distrib = 1.0 | OK | 1 | Amanda Ntuli<br>526239<br>24.02.2025 | Train |
| 10345 | A | Open the circuit breaker 57Q1                                    | OK |   | Amanda Ntuli<br>526239               | Train |

|       |   |                                                                  |  |    |   |                                      |       |
|-------|---|------------------------------------------------------------------|--|----|---|--------------------------------------|-------|
|       |   |                                                                  |  |    |   | 24.02.2025                           |       |
| 10346 | R | Read Defined Variable [TT]<br>(MPU1)li_ddk_tc2cb400distrib = 0.0 |  | OK | 0 | Amanda Ntuli<br>526239<br>24.02.2025 | Train |
| 10347 | A | Close the circuit breaker 57Q1                                   |  | OK |   | Amanda Ntuli<br>526239<br>24.02.2025 | Train |
| 10348 | R | Read Defined Variable [TT]<br>(MPU1)li_ddk_tc2cb400distrib = 1.0 |  | OK | 1 | Amanda Ntuli<br>526239<br>24.02.2025 | Train |
| 10349 | A | Open the circuit breaker 72Q1                                    |  | OK |   | Amanda Ntuli<br>526239<br>24.02.2025 | Train |
| 10350 | R | Read Defined Variable [TT]<br>(MPU1)li_ddk_tc2cbauxfct = 0.0     |  | OK | 0 | Amanda Ntuli<br>526239<br>24.02.2025 | Train |
| 10351 | A | Close the circuit breaker 72Q1                                   |  | OK |   | Amanda Ntuli<br>526239<br>24.02.2025 | Train |
| 10352 | R | Read Defined Variable [TT]<br>(MPU1)li_ddk_tc2cbauxfct = 1.0     |  | OK | 1 | Amanda Ntuli<br>526239<br>24.02.2025 | Train |
| 10353 | A | Open the circuit breaker 40Q4                                    |  | OK |   | Amanda Ntuli<br>526239<br>24.02.2025 | Train |
| 10354 | R | Read Defined Variable [TT]<br>(MPU1)li_ddk_tc2cbbrake = 0.0      |  | OK | 0 | Amanda Ntuli<br>526239<br>24.02.2025 | Train |
| 10355 | A | Close the circuit breaker 40Q4                                   |  | OK |   | Amanda Ntuli<br>526239<br>24.02.2025 | Train |
| 10356 | R | Read Defined Variable [TT]<br>(MPU1)li_ddk_tc2cbbrake = 1.0      |  | OK | 1 | Amanda Ntuli<br>526239<br>24.02.2025 | Train |
| 10357 | A | Open the circuit breaker 50Q7                                    |  | OK |   | Amanda Ntuli<br>526239<br>24.02.2025 | Train |
| 10358 | R | Read Defined Variable [TT]<br>(MPU1)li_ddk_tc2cbdoors = 0.0      |  | OK | 0 | Amanda Ntuli<br>526239<br>24.02.2025 | Train |
| 10359 | A | Close the circuit breaker 50Q7                                   |  | OK |   | Amanda Ntuli<br>526239<br>24.02.2025 | Train |
| 10360 | R | Read Defined Variable [TT]<br>(MPU1)li_ddk_tc2cbdoors = 1.0      |  | OK | 1 | Amanda Ntuli<br>526239<br>24.02.2025 | Train |
| 10361 | A | Open the circuit breaker 22Q1                                    |  | OK |   | Amanda Ntuli<br>526239<br>24.02.2025 | Train |
| 10362 | R | Read Defined Variable [TT]<br>(MPU1)li_ddk_tc2cbenergy = 0.0     |  | OK | 0 | Amanda Ntuli<br>526239<br>24.02.2025 | Train |
| 10363 | A | Close the circuit breaker 22Q1                                   |  | OK |   | Amanda Ntuli<br>526239<br>24.02.2025 | Train |

|       |   |                                                                   |  |    |   |                                      |       |
|-------|---|-------------------------------------------------------------------|--|----|---|--------------------------------------|-------|
| 10364 | R | Read Defined Variable [TT]<br>(MPU1)li_ddk_tc2cbenergy = 1.0      |  | OK | 1 | Amanda Ntuli<br>526239<br>24.02.2025 | Train |
| 10365 | A | Open the circuit breaker 44Q1.                                    |  | OK |   | Amanda Ntuli<br>526239<br>24.02.2025 | Train |
| 10366 | R | Read Defined Variable [TT]<br>(MPU1)li_ddk_tc2cbsafetyfctr1 = 0.0 |  | OK | 0 | Amanda Ntuli<br>526239<br>24.02.2025 | Train |
| 10367 | R | Read Defined Variable [TT]<br>(MPU1)li_ddk_tc2cbsafetyfctr2 = 0.0 |  | OK | 0 | Amanda Ntuli<br>526239<br>24.02.2025 | Train |
| 10368 | A | Close the circuit breaker 44Q1                                    |  | OK |   | Amanda Ntuli<br>526239<br>24.02.2025 | Train |
| 10369 | R | Read Defined Variable [TT]<br>(MPU1)li_ddk_tc2cbsafetyfctr1 = 1.0 |  | OK | 1 | Amanda Ntuli<br>526239<br>24.02.2025 | Train |
| 10370 | R | Read Defined Variable [TT]<br>(MPU1)li_ddk_tc2cbsafetyfctr2 = 1.0 |  | OK | 1 | Amanda Ntuli<br>526239<br>24.02.2025 | Train |
| 10371 | A | Open the circuit breaker 72Q2                                     |  | OK |   | Amanda Ntuli<br>526239<br>24.02.2025 | Train |
| 10372 | R | Read Defined Variable [TT]<br>(MPU1)li_ddk_tc2cbsockets = 0.0     |  | OK | 0 | Amanda Ntuli<br>526239<br>24.02.2025 | Train |
| 10373 | A | Close the circuit breaker 72Q2                                    |  | OK |   | Amanda Ntuli<br>526239<br>24.02.2025 | Train |
| 10374 | R | Read Defined Variable [TT]<br>(MPU1)li_ddk_tc2cbsockets = 1.0     |  | OK | 1 | Amanda Ntuli<br>526239<br>24.02.2025 | Train |
| 10375 | A | Open the circuit breaker 25Q11                                    |  | OK |   | Amanda Ntuli<br>526239<br>24.02.2025 | Train |
| 10376 | R | Read Defined Variable [TT]<br>(MPU1)li_ddk_tc2cbtcm1r1 = 0.0      |  | OK | 0 | Amanda Ntuli<br>526239<br>24.02.2025 | Train |
| 10377 | A | Close the circuit breaker 25Q11                                   |  | OK |   | Amanda Ntuli<br>526239<br>24.02.2025 | Train |
| 10378 | A | Open the circuit breaker 25Q15                                    |  | OK |   | Amanda Ntuli<br>526239<br>24.02.2025 | Train |
| 10379 | R | Read Defined Variable [TT]<br>(MPU1)li_ddk_tc2cbtcm1r2 = 0.0      |  | OK | 0 | Amanda Ntuli<br>526239<br>24.02.2025 | Train |
| 10380 | A | Close the circuit breaker 25Q15                                   |  | OK |   | Amanda Ntuli<br>526239<br>24.02.2025 | Train |
| 10381 | R | Read Defined Variable [TT]<br>(MPU1)li_ddk_tc2cbtcm1r1 = 1.0      |  | OK | 1 | Amanda Ntuli<br>526239<br>24.02.2025 | Train |

|       |   |                                                                                    |  |    |   |                                      |       |
|-------|---|------------------------------------------------------------------------------------|--|----|---|--------------------------------------|-------|
| 10382 | R | Read Defined Variable [TT]<br>(MPU1)li_ddk_tc2cbtcms1r2 = 1.0                      |  | OK | 1 | Amanda Ntuli<br>526239<br>24.02.2025 | Train |
| 10383 | A | Open the circuit breaker 25Q10                                                     |  | OK |   | Amanda Ntuli<br>526239<br>24.02.2025 | Train |
| 10384 | R | Read Defined Variable [TT]<br>(MPU1)li_ddk_tc2cbtcms2r1 = 0.0                      |  | OK | 0 | Amanda Ntuli<br>526239<br>24.02.2025 | Train |
| 10385 | R | Read Defined Variable [TT]<br>(MPU1)li_ddk_tc2cbtcms2r2 = 0.0                      |  | OK | 0 | Amanda Ntuli<br>526239<br>24.02.2025 | Train |
| 10386 | A | Close the circuit breaker 25Q10                                                    |  | OK |   | Amanda Ntuli<br>526239<br>24.02.2025 | Train |
| 10387 | R | Read Defined Variable [TT]<br>(MPU1)li_ddk_tc2cbtcms2r1 = 1.0                      |  | OK | 1 | Amanda Ntuli<br>526239<br>24.02.2025 | Train |
| 10388 | R | Read Defined Variable [TT]<br>(MPU1)li_ddk_tc2cbtcms2r2 = 1.0                      |  | OK | 1 | Amanda Ntuli<br>526239<br>24.02.2025 | Train |
| 10389 | A | Open the circuit breaker 75Q1                                                      |  | OK |   | Amanda Ntuli<br>526239<br>24.02.2025 | Train |
| 10390 | R | Read Defined Variable [TT]<br>(MPU1)li_ddk_tc2cbdrivingfctr1 = 0.0                 |  | OK | 0 | Amanda Ntuli<br>526239<br>24.02.2025 | Train |
| 10391 | R | Read Defined Variable [TT]<br>(MPU1)li_ddk_tc2cbdrivingfctr2 = 0.0                 |  | OK | 0 | Amanda Ntuli<br>526239<br>24.02.2025 | Train |
| 10392 | A | Close the circuit breaker 75Q1                                                     |  | OK |   | Amanda Ntuli<br>526239<br>24.02.2025 | Train |
| 10393 | R | Read Defined Variable [TT]<br>(MPU1)li_ddk_tc2cbdrivingfctr1 = 1.0                 |  | OK | 1 | Amanda Ntuli<br>526239<br>24.02.2025 | Train |
| 10394 | R | Read Defined Variable [TT]<br>(MPU1)li_ddk_tc2cbdrivingfctr2 = 1.0                 |  | OK | 1 | Amanda Ntuli<br>526239<br>24.02.2025 | Train |
| 10395 | R | On the Driver's event list, check there are no IOS recorded about circuit breakers |  | OK |   | Amanda Ntuli<br>526239<br>24.02.2025 | Train |
| 10396 | I | End of Test                                                                        |  | OK |   | Amanda Ntuli<br>526239<br>24.02.2025 | Train |



Serial Tests Report  
TS270 – TFS  
RTR Train Functional Static Test Report

Document Reference  
GIB0000007854  
Version: A0

Emission date  
27/02/2025

## Section 12 – Air Conditioning

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### 12.1 Instructions list

### 12.1.1 057\_HVAC-SME and TK HVAC

I - Information      A - Action      R - Result      NE - Not Executed

| N°    | Type | Instruction                                                                                                                                                                                                                                                        | File                                                                                | Result status | Result value | Operator                               | Vehicle |
|-------|------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|---------------|--------------|----------------------------------------|---------|
| 10001 | I    | Air Conditioning SPP=057                                                                                                                                                                                                                                           |                                                                                     | OK            |              | Celiwe Sokhela<br>491462<br>25.02.2025 | Train   |
| 10002 | A    | Turn Key 30A1.S1 to Active Cabin Position on TC1                                                                                                                                                                                                                   |                                                                                     | OK            |              | Celiwe Sokhela<br>491462<br>25.02.2025 | Train   |
| 10003 | I    | Train Prepared in High voltage with active cab on TC1                                                                                                                                                                                                              |                                                                                     | OK            |              | Celiwe Sokhela<br>491462<br>25.02.2025 | Train   |
| 10004 | I    | Please note that HVAC has protection against too low and too high temperatures. It is important to note that this is not a fault.                                                                                                                                  |                                                                                     | OK            |              | Celiwe Sokhela<br>491462<br>25.02.2025 | Train   |
| 10005 | I    | Web portal guide                                                                                                                                                                                                                                                   |                                                                                     | OK            |              | Celiwe Sokhela<br>491462<br>25.02.2025 | Train   |
| 10006 | I    | Please note that there are two types of HVACs that may be installed in one train. One is TK HVAC and the other is SME HVAC. They both function the same way, but the web portal is different. The below documents are a guide on how to navigate both web portals. |                                                                                     | OK            |              | Celiwe Sokhela<br>491462<br>25.02.2025 | Train   |
| 10007 | A    |                                                                                                                                                                                                                                                                    |  | OK            |              | Celiwe Sokhela<br>491462<br>25.02.2025 | Train   |
| 10008 | A    |                                                                                                                                                                                                                                                                    |  | OK            |              | Celiwe Sokhela<br>491462<br>25.02.2025 | Train   |
| 10009 | I    | Cabin TC1                                                                                                                                                                                                                                                          |                                                                                     | OK            |              | Celiwe Sokhela<br>491462<br>25.02.2025 | Train   |
| 10010 | I    | Use the temperature sensor to verify the temperature of the cabin                                                                                                                                                                                                  |                                                                                     | OK            |              | Celiwe Sokhela<br>491462<br>25.02.2025 | Train   |
| 10011 | A    | Connect the laptop to the HVAC maintenance software using web browser. Enter the following IP address on the web browser 10.136.xxx.27<br>xxx represents the train number<br>SME HVAC<br>Login: maint<br>Password: maint<br><br>TK HVAC<br>Login: supervisor       |                                                                                     | OK            |              | Celiwe Sokhela<br>491462<br>25.02.2025 | Train   |



|       |   |                                                                                                                                                                                                                                              |                                                                                   |    |  |                                        |       |
|-------|---|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|----|--|----------------------------------------|-------|
|       |   | Password: super                                                                                                                                                                                                                              |                                                                                   |    |  |                                        |       |
| 10012 | A | For SME HVAC go to the status tab, then go to Details-Cabin to view the cabin operations. Note the set temperature and the fan speed<br>For TK HVAC go to Overview then Forced and scroll down to 'CAB forced' to view the cabin operations. |  | OK |  | Celiwe Sokhela<br>491462<br>25.02.2025 | Train |
| 10013 | I | Check the Steps below and compare with Maintenance software                                                                                                                                                                                  |                                                                                   | OK |  | Celiwe Sokhela<br>491462<br>25.02.2025 | Train |
| 10014 | A | Select the switch 57S1 to Low Speed Ventilation                                                                                                                                                                                              |                                                                                   | OK |  | Celiwe Sokhela<br>491462<br>25.02.2025 | Train |
| 10015 | R | On the maintenance screen the Cab Fan Speed Low Input is showing as ACTIVE whilst the Cab Fan Speed High Input is showing as INACTIVE                                                                                                        |                                                                                   | OK |  | Celiwe Sokhela<br>491462<br>25.02.2025 | Train |
| 10016 | A | Select the switch '57S2' to position 0                                                                                                                                                                                                       |                                                                                   | OK |  | Celiwe Sokhela<br>491462<br>25.02.2025 | Train |
| 10017 | R | Temperature is set to 18°C                                                                                                                                                                                                                   |                                                                                   | OK |  | Celiwe Sokhela<br>491462<br>25.02.2025 | Train |
| 10018 | A | Select the switch '57S2' to position 1                                                                                                                                                                                                       |                                                                                   | OK |  | Celiwe Sokhela<br>491462<br>25.02.2025 | Train |
| 10019 | R | Temperature is set to 20°C                                                                                                                                                                                                                   |                                                                                   | OK |  | Celiwe Sokhela<br>491462<br>25.02.2025 | Train |
| 10020 | A | Select the switch '57S2' to position 2                                                                                                                                                                                                       |                                                                                   | OK |  | Celiwe Sokhela<br>491462<br>25.02.2025 | Train |
| 10021 | R | Temperature is set to 22°C                                                                                                                                                                                                                   |                                                                                   | OK |  | Celiwe Sokhela<br>491462<br>25.02.2025 | Train |
| 10022 | A | Select the switch '57S2' to position 3                                                                                                                                                                                                       |                                                                                   | OK |  | Celiwe Sokhela<br>491462<br>25.02.2025 | Train |
| 10023 | R | Temperature is set to 24°C                                                                                                                                                                                                                   |                                                                                   | OK |  | Celiwe Sokhela<br>491462<br>25.02.2025 | Train |
| 10024 | A | Select the switch '57S2' to position 4                                                                                                                                                                                                       |                                                                                   | OK |  | Celiwe Sokhela<br>491462<br>25.02.2025 | Train |
| 10025 | R | Temperature is set to 26°C                                                                                                                                                                                                                   |                                                                                   | OK |  | Celiwe Sokhela<br>491462<br>25.02.2025 | Train |
| 10026 | A | Now select the switch '57S1' to High Ventilation                                                                                                                                                                                             |                                                                                   | OK |  | Celiwe Sokhela<br>491462<br>25.02.2025 | Train |
| 10027 | R | On the maintenance screen the Cab Fan Speed High Input is showing as ACTIVE                                                                                                                                                                  |                                                                                   | OK |  | Celiwe Sokhela<br>491462               | Train |

|       |   |                                                                        |  |    |   |                                        |       |
|-------|---|------------------------------------------------------------------------|--|----|---|----------------------------------------|-------|
|       |   | whilst the Cab Fan Speed Low Input is showing as INACTIVE              |  |    |   | 25.02.2025                             |       |
| 10028 | A | Select the switch '57S2' to position 0                                 |  | OK |   | Celiwe Sokhela<br>491462<br>25.02.2025 | Train |
| 10029 | R | Temperature is set to 18°C                                             |  | OK |   | Celiwe Sokhela<br>491462<br>25.02.2025 | Train |
| 10030 | A | Select the switch '57S2' to position 1                                 |  | OK |   | Celiwe Sokhela<br>491462<br>25.02.2025 | Train |
| 10031 | R | Temperature is set to 20°C                                             |  | OK |   | Celiwe Sokhela<br>491462<br>25.02.2025 | Train |
| 10032 | A | Select the switch '57S2' to position 2                                 |  | OK |   | Celiwe Sokhela<br>491462<br>25.02.2025 | Train |
| 10033 | R | Temperature is set to 22°C                                             |  | OK |   | Celiwe Sokhela<br>491462<br>25.02.2025 | Train |
| 10034 | A | Select the switch '57S2' to position 3                                 |  | OK |   | Celiwe Sokhela<br>491462<br>25.02.2025 | Train |
| 10035 | R | Temperature is set to 24°C                                             |  | OK |   | Celiwe Sokhela<br>491462<br>25.02.2025 | Train |
| 10036 | A | Select the switch '57S2' to position 4                                 |  | OK |   | Celiwe Sokhela<br>491462<br>25.02.2025 | Train |
| 10037 | R | Temperature is set to 26°C                                             |  | OK |   | Celiwe Sokhela<br>491462<br>25.02.2025 | Train |
| 10038 | I | Cabin Footrest Heater Test on TC1                                      |  | OK |   | Celiwe Sokhela<br>491462<br>25.02.2025 | Train |
| 10039 | R | Read Defined Variable [TT]<br>(MPU1)li_hva_tc1footheaterfault__1 = 0.0 |  | OK | 0 | Celiwe Sokhela<br>491462<br>25.02.2025 | Train |
| 10040 | R | Foot Heater is Off                                                     |  | OK |   | Celiwe Sokhela<br>491462<br>25.02.2025 | Train |
| 10041 | A | Simulate a failure of the heater by opening circuit breaker 57Q2       |  | OK |   | Celiwe Sokhela<br>491462<br>25.02.2025 | Train |
| 10042 | A | Press the button 57S3                                                  |  | OK |   | Celiwe Sokhela<br>491462<br>25.02.2025 | Train |
| 10043 | R | Foot Heater is Off                                                     |  | OK |   | Celiwe Sokhela<br>491462<br>25.02.2025 | Train |
| 10044 | R | Read Defined Variable [TT]<br>(MPU1)li_hva_tc1footheaterfault__1 = 1.0 |  | OK | 1 | Celiwe Sokhela<br>491462<br>25.02.2025 | Train |

|       |   |                                                                                                                                                                                                                        |  |    |   |                                        |       |
|-------|---|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|----|---|----------------------------------------|-------|
| 10045 | A | Release '57S3' pushbutton                                                                                                                                                                                              |  | OK |   | Celiwe Sokhela<br>491462<br>25.02.2025 | Train |
| 10046 | A | Close circuit breaker 57Q2                                                                                                                                                                                             |  | OK |   | Celiwe Sokhela<br>491462<br>25.02.2025 | Train |
| 10047 | A | Press the button 57S3 to activate the foot heater                                                                                                                                                                      |  | OK |   | Celiwe Sokhela<br>491462<br>25.02.2025 | Train |
| 10048 | R | Read Defined Variable [TT]<br>(MPU1)li_hva_tc1footheaterfault__1 =<br>0.0                                                                                                                                              |  | OK | 0 | Celiwe Sokhela<br>491462<br>25.02.2025 | Train |
| 10049 | R | Foot Heater is ON                                                                                                                                                                                                      |  | OK |   | Celiwe Sokhela<br>491462<br>25.02.2025 | Train |
| 10050 | I | HVAC Saloon TC1                                                                                                                                                                                                        |  | OK |   | Celiwe Sokhela<br>491462<br>25.02.2025 | Train |
| 10051 | A | On the maintenance software web-<br>browser, go to alarms tab and clear all the<br>alarms and events for TC1 saloon and<br>cabin                                                                                       |  | OK |   | Celiwe Sokhela<br>491462<br>25.02.2025 | Train |
| 10052 | A | Launch the HVAC test for TC1 car on the<br>DDU maintenance screen                                                                                                                                                      |  | OK |   | Celiwe Sokhela<br>491462<br>25.02.2025 | Train |
| 10053 | A | On the maintenance software, check that<br>the HVAC mode for TC1 corresponds to<br>the status on the DDU Screen. For every 3<br>minutes the HVAC mode should change<br>between Ventilation, Heating and Cooling        |  | OK |   | Celiwe Sokhela<br>491462<br>25.02.2025 | Train |
| 10054 | R | After 9 minutes, TC1 saloon HVAC test has<br>passed.                                                                                                                                                                   |  | OK |   | Celiwe Sokhela<br>491462<br>25.02.2025 | Train |
| 10055 | I | If the test has not passed, use the<br>maintenance software to check which<br>mode failed and also the alarms recorded<br>during testing to help with fault finding.                                                   |  | OK |   | Celiwe Sokhela<br>491462<br>25.02.2025 | Train |
| 10056 | I | HVAC Cabin TC1                                                                                                                                                                                                         |  | OK |   | Celiwe Sokhela<br>491462<br>25.02.2025 | Train |
| 10057 | A | Launch the HVAC test for the TC1 Cab                                                                                                                                                                                   |  | OK |   | Celiwe Sokhela<br>491462<br>25.02.2025 | Train |
| 10058 | A | On the maintenance software, check that<br>the HVAC mode for TC1 Cab corresponds<br>to the status on the DDU Screen. For<br>every 3 minutes the HVAC mode should<br>change between Ventilation, Heating and<br>Cooling |  | OK |   | Celiwe Sokhela<br>491462<br>25.02.2025 | Train |

|       |   |                                                                                                                                                                                                    |  |    |  |                                        |       |
|-------|---|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|----|--|----------------------------------------|-------|
| 10059 | R | After 9 minutes, the TC1 cabin HVAC test has passed.                                                                                                                                               |  | OK |  | Celiwe Sokhela<br>491462<br>25.02.2025 | Train |
| 10060 | I | If the test has not passed, use the maintenance software to check which mode failed and also the alarms recorded during testing to help with fault finding.                                        |  | OK |  | Celiwe Sokhela<br>491462<br>25.02.2025 | Train |
| 10061 | I | HVAC Saloon M4                                                                                                                                                                                     |  | OK |  | Celiwe Sokhela<br>491462<br>25.02.2025 | Train |
| 10062 | A | On the web-browser open a new tab and Enter the following IP address:<br>10.136.xxx.32<br>SME HVAC<br>Login: maint<br>Password: maint<br><br>TK HVAC<br>Login: supervisor<br>Password: super       |  | OK |  | Celiwe Sokhela<br>491462<br>25.02.2025 | Train |
| 10063 | A | On the maintenance software go to alarms tab and clear all the alarms and events for M4 car                                                                                                        |  | OK |  | Celiwe Sokhela<br>491462<br>25.02.2025 | Train |
| 10064 | A | Launch the HVAC test for M4 car on the DDU maintenance screen                                                                                                                                      |  | OK |  | Celiwe Sokhela<br>491462<br>25.02.2025 | Train |
| 10065 | A | On the maintenance software, check that the HVAC mode for M4 corresponds to the status on the DDU Screen. For every 3 minutes the HVAC mode should change between Ventilation, Heating and Cooling |  | OK |  | Celiwe Sokhela<br>491462<br>25.02.2025 | Train |
| 10066 | R | After 9 minutes, the M4 saloon HVAC test has passed.                                                                                                                                               |  | OK |  | Celiwe Sokhela<br>491462<br>25.02.2025 | Train |
| 10067 | I | If the test has not passed, use the maintenance software to check which mode failed and also the alarms recorded during testing to help with fault finding.                                        |  | OK |  | Celiwe Sokhela<br>491462<br>25.02.2025 | Train |
| 10068 | I | HVAC Saloon M1                                                                                                                                                                                     |  | OK |  | Celiwe Sokhela<br>491462<br>25.02.2025 | Train |
| 10069 | A | On the web-browser open a new tab and Enter the following IP address:<br>10.136.xxx.29<br>SME HVAC<br>Login: maint<br>Password: maint<br><br>TK HVAC<br>Login: supervisor<br>Password: super       |  | OK |  | Celiwe Sokhela<br>491462<br>25.02.2025 | Train |

|       |   |                                                                                                                                                                                                    |  |    |  |                                        |       |
|-------|---|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|----|--|----------------------------------------|-------|
| 10070 | A | On the maintenance software go to alarms tab clear all the alarms and events for M1 car                                                                                                            |  | OK |  | Celiwe Sokhela<br>491462<br>25.02.2025 | Train |
| 10071 | A | Launch the HVAC test for M1 car on the DDU maintenance screen                                                                                                                                      |  | OK |  | Celiwe Sokhela<br>491462<br>25.02.2025 | Train |
| 10072 | A | On the maintenance software, check that the HVAC mode for M1 corresponds to the status on the DDU Screen. For every 3 minutes the HVAC mode should change between Ventilation, Heating and Cooling |  | OK |  | Celiwe Sokhela<br>491462<br>25.02.2025 | Train |
| 10073 | R | After 9 minutes, the M1 saloon HVAC test has passed.                                                                                                                                               |  | OK |  | Celiwe Sokhela<br>491462<br>25.02.2025 | Train |
| 10074 | I | If the test has not passed, use the maintenance software to check which mode failed and also the alarms recorded during testing to help with fault finding.                                        |  | OK |  | Celiwe Sokhela<br>491462<br>25.02.2025 | Train |
| 10075 | I | HVAC Saloon M2                                                                                                                                                                                     |  | OK |  | Celiwe Sokhela<br>491462<br>25.02.2025 | Train |
| 10076 | A | On the web-browser open a new tab and Enter the following IP address:<br>10.136.xxx.30<br><br>SME HVAC<br>Login: maint<br>Password: maint<br><br>TK HVAC<br>Login: supervisor<br>Password: super   |  | OK |  | Celiwe Sokhela<br>491462<br>25.02.2025 | Train |
| 10077 | A | On the maintenance software go to alarms tab and clear all the alarms and events for M2 car                                                                                                        |  | OK |  | Celiwe Sokhela<br>491462<br>25.02.2025 | Train |
| 10078 | A | Launch the HVAC test for M2 car on the DDU maintenance screen                                                                                                                                      |  | OK |  | Celiwe Sokhela<br>491462<br>25.02.2025 | Train |
| 10079 | A | On the maintenance software, check that the HVAC mode for M2 corresponds to the status on the DDU Screen. For every 3 minutes the HVAC mode should change between Ventilation, Heating and Cooling |  | OK |  | Celiwe Sokhela<br>491462<br>25.02.2025 | Train |
| 10080 | R | After 9 minutes, the M2 saloon HVAC test has passed.                                                                                                                                               |  | OK |  | Celiwe Sokhela<br>491462<br>25.02.2025 | Train |
| 10081 | I | If the test has not passed, use the maintenance software to check which mode failed and also the alarms recorded during testing to help with fault finding.                                        |  | OK |  | Celiwe Sokhela<br>491462<br>25.02.2025 | Train |

|       |   |                                                                                                                                                                                                                |  |    |  |                                        |       |
|-------|---|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|----|--|----------------------------------------|-------|
| 10082 | I | HVAC Saloon M3                                                                                                                                                                                                 |  | OK |  | Amanda Ntuli<br>526239<br>24.02.2025   | Train |
| 10083 | A | On the web-browser open a new tab and<br>Enter the following IP address:<br>10.136.xxx.31<br><br>SME HVAC<br>Login: maint<br>Password: maint<br><br>TK HVAC<br>Login: supervisor<br>Password: super            |  | OK |  | Amanda Ntuli<br>526239<br>24.02.2025   | Train |
| 10084 | A | On the maintenance software go to<br>alarms tab and clear all the alarms and<br>events for M3 car                                                                                                              |  | OK |  | Amanda Ntuli<br>526239<br>24.02.2025   | Train |
| 10085 | A | Launch the HVAC test for M3 car on the<br>DDU maintenance screen                                                                                                                                               |  | OK |  | Amanda Ntuli<br>526239<br>24.02.2025   | Train |
| 10086 | A | On the maintenance software, check that<br>the HVAC mode for M3 corresponds to the<br>status on the DDU Screen. For every 3<br>minutes the HVAC mode should change<br>between Ventilation, Heating and Cooling |  | OK |  | Amanda Ntuli<br>526239<br>24.02.2025   | Train |
| 10087 | R | After 9 minutes, the M3 saloon HVAC test<br>has passed.                                                                                                                                                        |  | OK |  | Amanda Ntuli<br>526239<br>24.02.2025   | Train |
| 10088 | I | If the test has not passed, use the<br>maintenance software to check which<br>mode failed and also the alarms recorded<br>during testing to help with fault finding.                                           |  | OK |  | Amanda Ntuli<br>526239<br>24.02.2025   | Train |
| 10089 | I | HVAC Saloon TC2                                                                                                                                                                                                |  | OK |  | Celiwe Sokhela<br>491462<br>26.02.2025 | Train |
| 10090 | A | On the web-browser open a new tab and<br>Enter the following IP address:<br>10.136.xxx.28<br><br>SME HVAC<br>Login: maint<br>Password: maint<br><br>TK HVAC<br>Login: supervisor<br>Password: super            |  | OK |  | Celiwe Sokhela<br>491462<br>26.02.2025 | Train |
| 10091 | A | On the maintenance software go to<br>alarms tab and clear all the alarms and<br>events for TC2 car                                                                                                             |  | OK |  | Celiwe Sokhela<br>491462<br>26.02.2025 | Train |

|       |   |                                                                                                                                                                                                                                              |                                                                                     |    |  |                                        |       |
|-------|---|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|----|--|----------------------------------------|-------|
| 10092 | A | Launch the HVAC test for TC2 car on the DDU maintenance screen                                                                                                                                                                               |                                                                                     | OK |  | Celiwe Sokhela<br>491462<br>26.02.2025 | Train |
| 10093 | A | On the maintenance software, check that the HVAC mode for TC2 corresponds to the status on the DDU Screen. For every 3 minutes the HVAC mode should change between Ventilation, Heating and Cooling                                          |                                                                                     | OK |  | Celiwe Sokhela<br>491462<br>26.02.2025 | Train |
| 10094 | R | After 9 minutes, the TC2 saloon HVAC test has passed.                                                                                                                                                                                        |                                                                                     | OK |  | Celiwe Sokhela<br>491462<br>26.02.2025 | Train |
| 10095 | I | If the test has not passed, use the maintenance software to check which mode failed and also the alarms recorded during testing to help with fault finding.                                                                                  |                                                                                     | OK |  | Celiwe Sokhela<br>491462<br>26.02.2025 | Train |
| 10096 | I | HVAC Cabin TC2                                                                                                                                                                                                                               |                                                                                     | OK |  | Celiwe Sokhela<br>491462<br>26.02.2025 | Train |
| 10097 | A | Launch the HVAC test for the TC2 Cab                                                                                                                                                                                                         |                                                                                     | OK |  | Celiwe Sokhela<br>491462<br>26.02.2025 | Train |
| 10098 | A | On the maintenance software, check that the HVAC mode for TC2 Cab corresponds to the status on the DDU Screen. For every 3 minutes the HVAC mode should change between Ventilation, Heating and Cooling                                      |                                                                                     | OK |  | Celiwe Sokhela<br>491462<br>26.02.2025 | Train |
| 10099 | R | After 9 minutes, the TC2 saloon HVAC test has passed.                                                                                                                                                                                        |                                                                                     | OK |  | Celiwe Sokhela<br>491462<br>26.02.2025 | Train |
| 10100 | I | If the test has not passed, use the maintenance software to check which mode failed and also the alarms recorded during testing to help with fault finding.                                                                                  |                                                                                     | OK |  | Celiwe Sokhela<br>491462<br>26.02.2025 | Train |
| 10101 | A | Turn Key 30A1.S1 to Non-Active Cabin Position on TC1                                                                                                                                                                                         |                                                                                     | OK |  | Celiwe Sokhela<br>491462<br>26.02.2025 | Train |
| 10102 | I | Cabin TC2                                                                                                                                                                                                                                    |                                                                                     | OK |  | Celiwe Sokhela<br>491462<br>26.02.2025 | Train |
| 10103 | A | Turn Key 30A1.S1 to Active Cabin Position on TC2                                                                                                                                                                                             |                                                                                     | OK |  | Celiwe Sokhela<br>491462<br>26.02.2025 | Train |
| 10104 | A | For SME HVAC go to the status tab, then go to Details-Cabin to view the cabin operations. Note the set temperature and the fan speed<br>For TK HVAC go to Overview then Forced and scroll down to 'CAB forced' to view the cabin operations. |  | OK |  | Celiwe Sokhela<br>491462<br>26.02.2025 | Train |

|       |   |                                                                                                                                       |  |    |  |                                        |       |
|-------|---|---------------------------------------------------------------------------------------------------------------------------------------|--|----|--|----------------------------------------|-------|
| 10105 | I | Check the Steps below and compare with Maintenance software                                                                           |  | OK |  | Celiwe Sokhela<br>491462<br>26.02.2025 | Train |
| 10106 | A | Select the switch 57S1 to Low Speed Ventilation                                                                                       |  | OK |  | Celiwe Sokhela<br>491462<br>26.02.2025 | Train |
| 10107 | R | On the maintenance screen the Cab Fan Speed Low Input is showing as ACTIVE whilst the Cab Fan Speed High Input is showing as INACTIVE |  | OK |  | Celiwe Sokhela<br>491462<br>26.02.2025 | Train |
| 10108 | A | Select the switch '57S2' to position 0                                                                                                |  | OK |  | Celiwe Sokhela<br>491462<br>26.02.2025 | Train |
| 10109 | R | Temperature is set to 18°C                                                                                                            |  | OK |  | Celiwe Sokhela<br>491462<br>26.02.2025 | Train |
| 10110 | A | Select the switch '57S2' to position 1                                                                                                |  | OK |  | Celiwe Sokhela<br>491462<br>26.02.2025 | Train |
| 10111 | R | Temperature is set to 20°C                                                                                                            |  | OK |  | Celiwe Sokhela<br>491462<br>26.02.2025 | Train |
| 10112 | A | Select the switch '57S2' to position 2                                                                                                |  | OK |  | Celiwe Sokhela<br>491462<br>26.02.2025 | Train |
| 10113 | R | Temperature is set to 22°C                                                                                                            |  | OK |  | Celiwe Sokhela<br>491462<br>26.02.2025 | Train |
| 10114 | A | Select the switch '57S2' to position 3                                                                                                |  | OK |  | Celiwe Sokhela<br>491462<br>26.02.2025 | Train |
| 10115 | R | Temperature is set to 24°C                                                                                                            |  | OK |  | Celiwe Sokhela<br>491462<br>26.02.2025 | Train |
| 10116 | A | Select the switch '57S2' to position 4                                                                                                |  | OK |  | Celiwe Sokhela<br>491462<br>26.02.2025 | Train |
| 10117 | R | Temperature is set to 26°C                                                                                                            |  | OK |  | Celiwe Sokhela<br>491462<br>26.02.2025 | Train |
| 10118 | A | Now select the switch '57S1' to High Ventilation                                                                                      |  | OK |  | Celiwe Sokhela<br>491462<br>26.02.2025 | Train |
| 10119 | R | On the maintenance screen the Cab Fan Speed High Input is showing as ACTIVE whilst the Cab Fan Speed Low Input is showing as INACTIVE |  | OK |  | Celiwe Sokhela<br>491462<br>26.02.2025 | Train |
| 10120 | A | Select the switch '57S2' to position 0                                                                                                |  | OK |  | Celiwe Sokhela<br>491462<br>26.02.2025 | Train |
| 10121 | R | Temperature is set to 18°C                                                                                                            |  | OK |  | Celiwe Sokhela<br>491462<br>26.02.2025 | Train |



|       |   |                                                                           |  |    |   |                                        |       |
|-------|---|---------------------------------------------------------------------------|--|----|---|----------------------------------------|-------|
| 10122 | A | Select the switch '57S2' to position 1                                    |  | OK |   | Celiwe Sokhela<br>491462<br>26.02.2025 | Train |
| 10123 | R | Temperature is set to 20°C                                                |  | OK |   | Celiwe Sokhela<br>491462<br>26.02.2025 | Train |
| 10124 | A | Select the switch '57S2' to position 2                                    |  | OK |   | Celiwe Sokhela<br>491462<br>26.02.2025 | Train |
| 10125 | R | Temperature is set to 22°C                                                |  | OK |   | Celiwe Sokhela<br>491462<br>26.02.2025 | Train |
| 10126 | A | Select the switch '57S2' to position 3                                    |  | OK |   | Celiwe Sokhela<br>491462<br>26.02.2025 | Train |
| 10127 | R | Temperature is set to 24°C                                                |  | OK |   | Celiwe Sokhela<br>491462<br>26.02.2025 | Train |
| 10128 | A | Select the switch '57S2' to position 4                                    |  | OK |   | Celiwe Sokhela<br>491462<br>26.02.2025 | Train |
| 10129 | R | Temperature is set to 26°C                                                |  | OK |   | Celiwe Sokhela<br>491462<br>26.02.2025 | Train |
| 10130 | I | Cabin Footrest Heater Test on TC2                                         |  | OK |   | Celiwe Sokhela<br>491462<br>26.02.2025 | Train |
| 10131 | R | Read Defined Variable [TT]<br>(MPU1)li_hva_tc2footheaterfault__1 =<br>0.0 |  | OK | 0 | Celiwe Sokhela<br>491462<br>26.02.2025 | Train |
| 10132 | R | Foot Heater is switch Off                                                 |  | OK |   | Celiwe Sokhela<br>491462<br>26.02.2025 | Train |
| 10133 | A | Simulate a failure of the heater by opening<br>circuit breaker 57Q2       |  | OK |   | Celiwe Sokhela<br>491462<br>26.02.2025 | Train |
| 10134 | A | Command '57S3' pushbutton                                                 |  | OK |   | Celiwe Sokhela<br>491462<br>26.02.2025 | Train |
| 10135 | R | Read Defined Variable [TT]<br>(MPU1)li_hva_tc2footheaterfault__1 =<br>1.0 |  | OK | 1 | Celiwe Sokhela<br>491462<br>26.02.2025 | Train |
| 10136 | R | Foot Heater is switch Off                                                 |  | OK |   | Celiwe Sokhela<br>491462<br>26.02.2025 | Train |
| 10137 | A | Release '57S3' pushbutton                                                 |  | OK |   | Celiwe Sokhela<br>491462<br>26.02.2025 | Train |
| 10138 | A | Close 57Q2                                                                |  | OK |   | Celiwe Sokhela<br>491462<br>26.02.2025 | Train |
| 10139 | A | Command '57S3' pushbutton                                                 |  | OK |   | Celiwe Sokhela<br>491462<br>26.02.2025 | Train |

|       |   |                                                                                                                                                                     |                                                                                     |    |   |                                        |       |
|-------|---|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|----|---|----------------------------------------|-------|
| 10140 | R | Read Defined Variable [TT]<br>(MPU1)li_hva_tc2footheaterfault__1 =<br>0.0                                                                                           |                                                                                     | OK | 0 | Celiwe Sokhela<br>491462<br>26.02.2025 | Train |
| 10141 | R | Foot Heater is switch ON                                                                                                                                            |                                                                                     | OK |   | Celiwe Sokhela<br>491462<br>26.02.2025 | Train |
| 10142 | I | Emergency Ventilation Mode                                                                                                                                          |                                                                                     | OK |   | Celiwe Sokhela<br>491462<br>25.02.2025 | Train |
| 10143 | R | All HVACs are working in NORMAL<br>condition                                                                                                                        |    | OK |   | Celiwe Sokhela<br>491462<br>25.02.2025 | Train |
| 10144 | A | Switch off the catenary voltage 3kV                                                                                                                                 |                                                                                     | OK |   | Celiwe Sokhela<br>491462<br>25.02.2025 | Train |
| 10145 | R | Both Auxiliary Converter stop to work                                                                                                                               |                                                                                     | OK |   | Celiwe Sokhela<br>491462<br>25.02.2025 | Train |
| 10146 | R | 400 V AC is not present on train                                                                                                                                    |                                                                                     | OK |   | Celiwe Sokhela<br>491462<br>25.02.2025 | Train |
| 10147 | R | No high voltage power is available on<br>HVAC unit to operate Ventilation and<br>Cooling or Heating.                                                                |                                                                                     | OK |   | Celiwe Sokhela<br>491462<br>25.02.2025 | Train |
| 10148 | R | All HVAC units and Cab HVAC units stop                                                                                                                              |                                                                                     | OK |   | Celiwe Sokhela<br>491462<br>25.02.2025 | Train |
| 10149 | R | After about 45 seconds without 400V,<br>Auxiliary Converter will generate 400V<br>from Train Batteries with an inverter.                                            |                                                                                     | OK |   | Celiwe Sokhela<br>491462<br>25.02.2025 | Train |
| 10150 | R | After this time about (45s) All HVAC units<br>will operate in "Emergency Ventilation"                                                                               |                                                                                     | OK |   | Celiwe Sokhela<br>491462<br>25.02.2025 | Train |
| 10151 | A | Switch on the 3kV on the catenary                                                                                                                                   |                                                                                     | OK |   | Celiwe Sokhela<br>491462<br>25.02.2025 | Train |
| 10152 | R | Now, 400V AC is available by Auxiliary<br>Converter                                                                                                                 |                                                                                     | OK |   | Celiwe Sokhela<br>491462<br>25.02.2025 | Train |
| 10153 | R | All HVAC units and Cab HVAC units only<br>operate Ventilation with maximum fresh<br>airflow then change to a specific mode<br>based on the surrounding temperatures |  | OK |   | Celiwe Sokhela<br>491462<br>25.02.2025 | Train |
| 10154 | I | End of Test                                                                                                                                                         |                                                                                     | OK |   | Celiwe Sokhela<br>491462<br>25.02.2025 | Train |



|                                                                               |                                                    |                             |
|-------------------------------------------------------------------------------|----------------------------------------------------|-----------------------------|
| Serial Tests Report<br>TS270 – TFS<br>RTR Train Functional Static Test Report | Document Reference<br>GIB0000007854<br>Version: A0 | Emission date<br>27/02/2025 |
|-------------------------------------------------------------------------------|----------------------------------------------------|-----------------------------|

## Section 13 – Driving Command

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### 13.1 Instructions list

### 13.1.1 030\_DRC-Driving Command

I - Information      A - Action      R - Result      NE - Not Executed

| N°    | Type | Instruction                                                    | File | Result status | Result value | Operator                                | Vehicle |
|-------|------|----------------------------------------------------------------|------|---------------|--------------|-----------------------------------------|---------|
| 10001 | I    | Driving command = SPP 30                                       |      | OK            |              | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train   |
| 10002 | I    | Initial Conditions                                             |      | OK            |              | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train   |
| 10003 | I    | Train should be prepared with High voltage                     |      | OK            |              | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train   |
| 10004 | I    | Deadman override switch 60S1 must be in OVERRIDE position      |      | OK            |              | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train   |
| 10005 | I    | Driving command TC1 side                                       |      | OK            |              | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train   |
| 10006 | I    | Direction Selector Switch TC1                                  |      | OK            |              | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train   |
| 10007 | A    | Put the Direction selector switch 30A1.S2 in NEUTRAL position  |      | OK            |              | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train   |
| 10008 | R    | Read Defined Variable [TT]<br>(TBCU1)LI_FORWARD = 0.0          |      | OK            | 0            | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train   |
| 10009 | R    | Read Defined Variable [TT]<br>(TBCU2)LI_FORWARD = 0.0          |      | OK            | 0            | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train   |
| 10010 | R    | Read Defined Variable [TT]<br>(TBCU3)LI_FORWARD = 0.0          |      | OK            | 0            | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train   |
| 10011 | R    | Read Defined Variable [TT]<br>(TBCU4)LI_FORWARD = 0.0          |      | OK            | 0            | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train   |
| 10012 | R    | Read Defined Variable [TT]<br>(TBCU1)LI_REVERSE = 0.0          |      | OK            | 0            | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train   |
| 10013 | R    | Read Defined Variable [TT]<br>(TBCU2)LI_REVERSE = 0.0          |      | OK            | 0            | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train   |
| 10014 | R    | Read Defined Variable [TT]<br>(TBCU3)LI_REVERSE = 0.0          |      | OK            | 0            | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train   |
| 10015 | R    | Read Defined Variable [TT]<br>(TBCU4)LI_REVERSE = 0.0          |      | OK            | 0            | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train   |
| 10016 | R    | Read Defined Variable [TT]<br>(MPU1)li_drc_tc1dsnozeror1 = 0.0 |      | OK            | 0            | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train   |

|       |   |                                                                  |  |    |   |                                         |       |
|-------|---|------------------------------------------------------------------|--|----|---|-----------------------------------------|-------|
| 10017 | R | Read Defined Variable [TT]<br>(MPU1)li_drc_tc1dsreverser1 = 0.0  |  | OK | 0 | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10018 | A | Put the Direction selector switch 30A1.S2<br>in FORWARD position |  | OK |   | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10019 | R | Read Defined Variable [TT]<br>(TBCU1)LI_FORWARD = 1.0            |  | OK | 1 | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10020 | R | Read Defined Variable [TT]<br>(TBCU2)LI_FORWARD = 0.0            |  | OK | 0 | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10021 | R | Read Defined Variable [TT]<br>(TBCU3)LI_FORWARD = 0.0            |  | OK | 0 | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10022 | R | Read Defined Variable [TT]<br>(TBCU4)LI_FORWARD = 1.0            |  | OK | 1 | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10023 | R | Read Defined Variable [TT]<br>(TBCU1)LI_REVERSE = 0.0            |  | OK | 0 | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10024 | R | Read Defined Variable [TT]<br>(TBCU2)LI_REVERSE = 1.0            |  | OK | 1 | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10025 | R | Read Defined Variable [TT]<br>(TBCU3)LI_REVERSE = 1.0            |  | OK | 1 | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10026 | R | Read Defined Variable [TT]<br>(TBCU4)LI_REVERSE = 0.0            |  | OK | 0 | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10027 | R | Read Defined Variable [TT]<br>(MPU1)li_drc_tc1dsnozeror1 = 1.0   |  | OK | 1 | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10028 | R | Read Defined Variable [TT]<br>(MPU1)li_drc_tc1dsreverser1 = 0.0  |  | OK | 0 | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10029 | A | Put the Direction selector switch 30A1.S2<br>in REVERSE position |  | OK |   | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10030 | R | Read Defined Variable [TT]<br>(TBCU1)LI_FORWARD = 0.0            |  | OK | 0 | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10031 | R | Read Defined Variable [TT]<br>(TBCU2)LI_FORWARD = 1.0            |  | OK | 1 | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10032 | R | Read Defined Variable [TT]<br>(TBCU3)LI_FORWARD = 1.0            |  | OK | 1 | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10033 | R | Read Defined Variable [TT]<br>(TBCU4)LI_FORWARD = 0.0            |  | OK | 0 | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10034 | R | Read Defined Variable [TT]<br>(TBCU1)LI_REVERSE = 1.0            |  | OK | 1 | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |

|       |   |                                                                              |  |    |   |                                         |       |
|-------|---|------------------------------------------------------------------------------|--|----|---|-----------------------------------------|-------|
| 10035 | R | Read Defined Variable [TT]<br>(TBCU2)LI_REVERSE = 0.0                        |  | OK | 0 | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10036 | R | Read Defined Variable [TT]<br>(TBCU3)LI_REVERSE = 0.0                        |  | OK | 0 | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10037 | R | Read Defined Variable [TT]<br>(TBCU4)LI_REVERSE = 1.0                        |  | OK | 1 | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10038 | R | Read Defined Variable [TT]<br>(MPU1)li_drc_tc1dsnozeror1 = 1.0               |  | OK | 1 | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10039 | R | Read Defined Variable [TT]<br>(MPU1)li_drc_tc1dsreverser1 = 1.0              |  | OK | 1 | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10040 | I | Reduced Power Test TC1                                                       |  | OK |   | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10041 | I | Button Lamp 30S2 is OFF                                                      |  | OK |   | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10042 | I | Driving mode switch in SPEED CONTROL mode                                    |  | OK |   | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10043 | R | Read Defined Variable [TT]<br>(MPU1)li_drc_tc1reducedpowerr1 = 0.0           |  | OK | 0 | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10044 | R | Read Defined Variable [TT]<br>(MPU1)lo_drc_tc1reducedlampr1 = 0.0            |  | OK | 0 | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10045 | A | Press button 30S2 to activate the reduced power mode and maintain it         |  | OK |   | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10046 | R | Button Lamp 30S2 is ON                                                       |  | OK |   | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10047 | R | Read Defined Variable [TT]<br>(MPU1)li_drc_tc1reducedpowerr1 = 1.0           |  | OK | 1 | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10048 | R | Read Defined Variable [TT]<br>(MPU1)lo_drc_tc1reducedlampr1 = 1.0            |  | OK | 1 | Sizwe Sibanyoni<br>484647<br>23.02.2025 | Train |
| 10049 | A | Release the button 30S2 and press it again to de-activate reduced power mode |  | OK |   | Sizwe Sibanyoni<br>484647<br>23.02.2025 | Train |
| 10050 | R | Button Lamp 30S2 is OFF                                                      |  | OK |   | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10051 | R | Read Defined Variable [TT]<br>(MPU1)li_drc_tc1reducedpowerr1 = 0.0           |  | OK | 0 | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10052 | R | Read Defined Variable [TT]<br>(MPU1)lo_drc_tc1reducedlampr1 = 0.0            |  | OK | 0 | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |

|       |   |                                                                              |  |    |   |                                         |       |
|-------|---|------------------------------------------------------------------------------|--|----|---|-----------------------------------------|-------|
| 10053 | A | Put the driving mode switch to EFFORT mode                                   |  | OK |   | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10054 | A | Press button 30S2 to activate the reduced power mode and maintain it         |  | OK |   | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10055 | R | Read Defined Variable [TT]<br>(MPU1)li_drc_tc1reducedpowerr1 = 1.0           |  | OK | 1 | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10056 | R | Read Defined Variable [TT]<br>(MPU1)lo_drc_tc1reducedlampr1 = 1.0            |  | OK | 1 | Sizwe Sibanyoni<br>484647<br>23.02.2025 | Train |
| 10057 | A | Release the button 30S2 and press it again to de-activate reduced power mode |  | OK |   | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10058 | R | Read Defined Variable [TT]<br>(MPU1)li_drc_tc1reducedpowerr1 = 0.0           |  | OK | 0 | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10059 | R | Read Defined Variable [TT]<br>(MPU1)lo_drc_tc1reducedlampr1 = 0.0            |  | OK | 0 | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10060 | I | It not possible to activate reduced power in depot or coupling mode          |  | OK |   | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10061 | A | Put the driving mode switch to DEPOT mode                                    |  | OK |   | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10062 | A | Press button 30S2 to activate the reduced power mode and maintain it         |  | OK |   | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10063 | R | Read Defined Variable [TT]<br>(MPU1)lo_drc_tc1reducedlampr1 = 0.0            |  | OK | 0 | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10064 | R | Read Defined Variable [TT]<br>(MPU1)li_drc_tc1reducedpowerr1 = 1.0           |  | OK | 1 | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10065 | A | Release the button 30S2                                                      |  | OK |   | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10066 | A | Put the driving mode switch to COUPLING mode                                 |  | OK |   | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10067 | A | Press button 30S2 to activate the reduced power mode and maintain it         |  | OK |   | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10068 | R | Read Defined Variable [TT]<br>(MPU1)lo_drc_tc1reducedlampr1 = 0.0            |  | OK | 0 | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10069 | R | Read Defined Variable [TT]<br>(MPU1)li_drc_tc1reducedpowerr1 = 1.0           |  | OK | 1 | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10070 | A | Release the button 30S2                                                      |  | OK |   | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |



|       |   |                                                                          |  |    |   |                                         |       |
|-------|---|--------------------------------------------------------------------------|--|----|---|-----------------------------------------|-------|
| 10071 | I | Master Controller / No Brake                                             |  | OK |   | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10072 | I | The direction selector switch 30A1.S2 must be in NEUTRAL position        |  | OK |   | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10073 | I | The Master controller of Traction/Brake should be on OFF position        |  | OK |   | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10074 | R | Read Defined Variable [TT]<br>(MPU1)li_dor_tc1alldoorsclosedr1 = 0.0     |  | OK | 0 | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10075 | I | The Traction Interlock Override Switch 31S1 should be in NORMAL position |  | OK |   | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10076 | R | Read Defined Variable [TT]<br>UBK_EmgcyBrkApld = 1.0                     |  | OK | 1 | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10077 | R | LED 31H1 is OFF on the alarm module                                      |  | OK |   | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10078 | R | LED 44H4 is "ON" on the alarm module                                     |  | OK |   | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10079 | R | Read Defined Variable [TT]<br>(BCU1)Li_Traction = 0.0                    |  | OK | 0 | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10080 | R | Read Defined Variable [TT]<br>(BCU2)Li_Traction = 0.0                    |  | OK | 0 | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10081 | R | Read Defined Variable [TT]<br>(TBCU1)LI_TRACTION = 0.0                   |  | OK | 0 | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10082 | R | Read Defined Variable [TT]<br>(TBCU2)LI_TRACTION = 0.0                   |  | OK | 0 | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10083 | R | Read Defined Variable [TT]<br>(TBCU3)LI_TRACTION = 0.0                   |  | OK | 0 | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10084 | R | Read Defined Variable [TT]<br>(TBCU4)LI_TRACTION = 0.0                   |  | OK | 0 | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10085 | R | Read Defined Variable [TT]<br>(BCU1)Li_noBrake = 1.0                     |  | OK | 1 | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10086 | R | Read Defined Variable [TT]<br>(BCU2)Li_noBrake = 1.0                     |  | OK | 1 | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10087 | R | Read Defined Variable [TT]<br>(TBCU1)LI_NOBRAKE = 1.0                    |  | OK | 1 | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10088 | R | Read Defined Variable [TT]<br>(TBCU2)LI_NOBRAKE = 1.0                    |  | OK | 1 | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |

|       |   |                                                                          |  |    |      |                                         |       |
|-------|---|--------------------------------------------------------------------------|--|----|------|-----------------------------------------|-------|
| 10089 | R | Read Defined Variable [TT]<br>(TBCU3)LI_NOBRAKE = 1.0                    |  | OK | 1    | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10090 | R | Read Defined Variable [TT]<br>(TBCU4)LI_NOBRAKE = 1.0                    |  | OK | 1    | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10091 | R | Read Min/Max [TT]<br>(MPU1)ai_drc_tc1mcpositionch1 :<br>5479<= x <= 6369 |  | OK | 5968 | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10092 | R | Read Min/Max [TT]<br>(MPU1)ai_drc_tc1mcpositionch2 :<br>5479<= x <= 6369 |  | OK | 5936 | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10093 | R | Read Defined Variable [TT]<br>(MPU1)li_drc_tc1mctractonr1 = 0.0          |  | OK | 0    | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10094 | R | Read Defined Variable [TT]<br>(MPU1)li_drc_tc1mctractonr2 = 0.0          |  | OK | 0    | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10095 | R | Read Defined Variable [TT]<br>(MPU1)li_drc_tc1mcnoastr1 = 0.0            |  | OK | 0    | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10096 | R | Read Defined Variable [TT]<br>(MPU1)li_drc_tc1mcnoastr2 = 0.0            |  | OK | 0    | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10097 | R | Read Defined Variable [TT]<br>(MPU1)li_drc_tc1mcbraker1 = 0.0            |  | OK | 0    | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10098 | R | Read Defined Variable [TT]<br>(MPU1)li_drc_tc1mcbraker2 = 0.0            |  | OK | 0    | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10099 | R | Read Defined Variable [TT]<br>(MPU1)li_drc_tc1mcemergencybraker1 = 0.0   |  | OK | 0    | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10100 | R | Read Defined Variable [TT]<br>(MPU1)li_drc_tc1mcemergencybraker2 = 0.0   |  | OK | 0    | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10101 | A | Put the Direction selector switch 30A1.S2<br>in FORWARD position         |  | OK |      | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10102 | R | Read Defined Variable [TT]<br>UBK_EmgcyBrkApId = 0.0                     |  | OK | 0    | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10103 | R | LED 44H4 is OFF on the alarm module                                      |  | OK |      | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10104 | R | LED 31H1 is "ON" on the alarm module                                     |  | OK |      | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10105 | R | Read Defined Variable [TT]<br>(BCU1)Li_Traction = 0.0                    |  | OK | 0    | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |

|       |   |                                                                           |  |    |      |                                         |       |
|-------|---|---------------------------------------------------------------------------|--|----|------|-----------------------------------------|-------|
| 10106 | R | Read Defined Variable [TT]<br>(BCU2)LI_Traction = 0.0                     |  | OK | 0    | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10107 | R | Read Defined Variable [TT]<br>(TBCU1)LI_TRACTION = 0.0                    |  | OK | 0    | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10108 | R | Read Defined Variable [TT]<br>(TBCU2)LI_TRACTION = 0.0                    |  | OK | 0    | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10109 | R | Read Defined Variable [TT]<br>(TBCU3)LI_TRACTION = 0.0                    |  | OK | 0    | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10110 | R | Read Defined Variable [TT]<br>(TBCU4)LI_TRACTION = 0.0                    |  | OK | 0    | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10111 | R | Read Defined Variable [TT]<br>(BCU1)LI_noBrake = 1.0                      |  | OK | 1    | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10112 | R | Read Defined Variable [TT]<br>(BCU2)LI_noBrake = 1.0                      |  | OK | 1    | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10113 | R | Read Defined Variable [TT]<br>(TBCU1)LI_NOBRAKE = 1.0                     |  | OK | 1    | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10114 | R | Read Defined Variable [TT]<br>(TBCU2)LI_NOBRAKE = 1.0                     |  | OK | 1    | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10115 | R | Read Defined Variable [TT]<br>(TBCU3)LI_NOBRAKE = 1.0                     |  | OK | 1    | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10116 | R | Read Defined Variable [TT]<br>(TBCU4)LI_NOBRAKE = 1.0                     |  | OK | 1    | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10117 | R | Read Min/Max [TT]<br>(MPU1)ai_drc_tc1mcpoositionch1 :<br>5479<= x <= 6369 |  | OK | 5968 | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10118 | R | Read Min/Max [TT]<br>(MPU1)ai_drc_tc1mcpoositionch2 :<br>5479<= x <= 6369 |  | OK | 5936 | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10119 | R | Read Defined Variable [TT]<br>(MPU1)li_drc_tc1mtractionr1 = 0.0           |  | OK | 0    | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10120 | R | Read Defined Variable [TT]<br>(MPU1)li_drc_tc1mtractionr2 = 0.0           |  | OK | 0    | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10121 | R | Read Defined Variable [TT]<br>(MPU1)li_drc_tc1mcnoastr1 = 0.0             |  | OK | 0    | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10122 | R | Read Defined Variable [TT]<br>(MPU1)li_drc_tc1mcnoastr2 = 0.0             |  | OK | 0    | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10123 | R | Read Defined Variable [TT]<br>(MPU1)li_drc_tc1mcbraker1 = 0.0             |  | OK | 0    | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |

|       |   |                                                                                              |  |    |   |                                         |       |
|-------|---|----------------------------------------------------------------------------------------------|--|----|---|-----------------------------------------|-------|
| 10124 | R | Read Defined Variable [TT]<br>(MPU1)li_drc_tc1mcbraker2 = 0.0                                |  | OK | 0 | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10125 | R | Read Defined Variable [TT]<br>(MPU1)li_drc_tc1mcemergencybraker1 = 0.0                       |  | OK | 0 | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10126 | R | Read Defined Variable [TT]<br>(MPU1)li_drc_tc1mcemergencybraker2 = 0.0                       |  | OK | 0 | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10127 | I | For safety purposes ENSURE that NO one is working NEAR, OUTSIDE or on the DOORS of the Train |  | OK |   | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10128 | A | Press Automatic Start Button to Drop the Pantographs                                         |  | OK |   | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10129 | A | Timer 15.0 S                                                                                 |  | OK |   | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10130 | R | Read Defined Variable [TT]<br>(MPU1)li_pnt_m1pantorisedr1 = 0.0                              |  | OK | 0 | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10131 | R | Read Defined Variable [TT]<br>(MPU1)li_pnt_m1pantorisedr2 = 0.0                              |  | OK | 0 | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10132 | R | Read Defined Variable [TT]<br>(MPU1)li_pnt_m2pantorisedr1 = 0.0                              |  | OK | 0 | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10133 | R | Read Defined Variable [TT]<br>(MPU1)li_pnt_m2pantorisedr2 = 0.0                              |  | OK | 0 | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10134 | A | Put the Master controller of Traction/Brake in 100% TRACTION position                        |  | OK |   | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10135 | R | Read Defined Variable [TT]<br>(BCU1)LI_Traction = 1.0                                        |  | OK | 1 | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10136 | R | Read Defined Variable [TT]<br>(BCU2)LI_Traction = 1.0                                        |  | OK | 1 | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10137 | R | Read Defined Variable [TT]<br>(TBCU1)LI_TRACTION = 1.0                                       |  | OK | 1 | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10138 | R | Read Defined Variable [TT]<br>(TBCU2)LI_TRACTION = 1.0                                       |  | OK | 1 | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10139 | R | Read Defined Variable [TT]<br>(TBCU3)LI_TRACTION = 1.0                                       |  | OK | 1 | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10140 | R | Read Defined Variable [TT]<br>(TBCU4)LI_TRACTION = 1.0                                       |  | OK | 1 | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |

|       |   |                                                                            |  |    |       |                                         |       |
|-------|---|----------------------------------------------------------------------------|--|----|-------|-----------------------------------------|-------|
| 10141 | R | Read Defined Variable [TT]<br>(BCU1)Li_noBrake = 1.0                       |  | OK | 1     | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10142 | R | Read Defined Variable [TT]<br>(BCU2)Li_noBrake = 1.0                       |  | OK | 1     | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10143 | R | Read Defined Variable [TT]<br>(TBCU1)LI_NOBRAKE = 1.0                      |  | OK | 1     | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10144 | R | Read Defined Variable [TT]<br>(TBCU2)LI_NOBRAKE = 1.0                      |  | OK | 1     | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10145 | R | Read Defined Variable [TT]<br>(TBCU3)LI_NOBRAKE = 1.0                      |  | OK | 1     | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10146 | R | Read Defined Variable [TT]<br>(TBCU4)LI_NOBRAKE = 1.0                      |  | OK | 1     | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10147 | R | Read Min/Max [TT]<br>(MPU1)ai_drc_tc1mcpositionch1 :<br>29183<= x <= 31102 |  | OK | 30848 | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10148 | R | Read Min/Max [TT]<br>(MPU1)ai_drc_tc1mcpositionch2 :<br>29183<= x <= 31102 |  | OK | 30784 | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10149 | R | Read Defined Variable [TT]<br>(MPU1)li_drc_tc1mctractonr1 = 1.0            |  | OK | 1     | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10150 | R | Read Defined Variable [TT]<br>(MPU1)li_drc_tc1mctractonr2 = 1.0            |  | OK | 1     | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10151 | R | Read Defined Variable [TT]<br>(MPU1)li_drc_tc1mcnoastr1 = 1.0              |  | OK | 1     | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10152 | R | Read Defined Variable [TT]<br>(MPU1)li_drc_tc1mcnoastr2 = 1.0              |  | OK | 1     | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10153 | R | Read Defined Variable [TT]<br>(MPU1)li_drc_tc1mcbraker1 = 0.0              |  | OK | 0     | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10154 | R | Read Defined Variable [TT]<br>(MPU1)li_drc_tc1mcbraker2 = 0.0              |  | OK | 0     | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10155 | R | Read Defined Variable [TT]<br>(MPU1)li_drc_tc1mcemergencybraker1 = 0.0     |  | OK | 0     | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10156 | R | Read Defined Variable [TT]<br>(MPU1)li_drc_tc1mcemergencybraker2 = 0.0     |  | OK | 0     | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10157 | A | Put the Master controller of<br>Traction/Brake in OFF position             |  | OK |       | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |

|       |   |                                                                          |  |    |      |                                         |       |
|-------|---|--------------------------------------------------------------------------|--|----|------|-----------------------------------------|-------|
| 10158 | R | Read Defined Variable [TT]<br>(BCU1)Li_Traction = 0.0                    |  | OK | 0    | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10159 | R | Read Defined Variable [TT]<br>(BCU2)Li_Traction = 0.0                    |  | OK | 0    | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10160 | R | Read Defined Variable [TT]<br>(TBCU1)LI_TRACTION = 0.0                   |  | OK | 0    | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10161 | R | Read Defined Variable [TT]<br>(TBCU2)LI_TRACTION = 0.0                   |  | OK | 0    | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10162 | R | Read Defined Variable [TT]<br>(TBCU3)LI_TRACTION = 0.0                   |  | OK | 0    | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10163 | R | Read Defined Variable [TT]<br>(TBCU4)LI_TRACTION = 0.0                   |  | OK | 0    | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10164 | R | Read Defined Variable [TT]<br>(BCU1)Li_noBrake = 1.0                     |  | OK | 1    | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10165 | R | Read Defined Variable [TT]<br>(BCU2)Li_noBrake = 1.0                     |  | OK | 1    | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10166 | R | Read Defined Variable [TT]<br>(TBCU1)LI_NOBRAKE = 1.0                    |  | OK | 1    | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10167 | R | Read Defined Variable [TT]<br>(TBCU2)LI_NOBRAKE = 1.0                    |  | OK | 1    | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10168 | R | Read Defined Variable [TT]<br>(TBCU3)LI_NOBRAKE = 1.0                    |  | OK | 1    | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10169 | R | Read Defined Variable [TT]<br>(TBCU4)LI_NOBRAKE = 1.0                    |  | OK | 1    | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10170 | R | Read Min/Max [TT]<br>(MPU1)ai_drc_tc1mcpositionch1 :<br>5479<= x <= 6369 |  | OK | 5968 | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10171 | R | Read Min/Max [TT]<br>(MPU1)ai_drc_tc1mcpositionch2 :<br>5479<= x <= 6369 |  | OK | 5936 | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10172 | R | Read Defined Variable [TT]<br>(MPU1)li_drc_tc1mctractonr1 = 0.0          |  | OK | 0    | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10173 | R | Read Defined Variable [TT]<br>(MPU1)li_drc_tc1mctractonr2 = 0.0          |  | OK | 0    | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10174 | R | Read Defined Variable [TT]<br>(MPU1)li_drc_tc1mcnoastr1 = 0.0            |  | OK | 0    | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10175 | R | Read Defined Variable [TT]<br>(MPU1)li_drc_tc1mcnoastr2 = 0.0            |  | OK | 0    | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |

|       |   |                                                                            |  |    |       |                                         |       |
|-------|---|----------------------------------------------------------------------------|--|----|-------|-----------------------------------------|-------|
| 10176 | R | Read Defined Variable [TT]<br>(MPU1)li_drc_tc1mcbraker1 = 0.0              |  | OK | 0     | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10177 | R | Read Defined Variable [TT]<br>(MPU1)li_drc_tc1mcbraker2 = 0.0              |  | OK | 0     | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10178 | R | Read Defined Variable [TT]<br>(MPU1)li_drc_tc1mcemergencybraker1 = 0.0     |  | OK | 0     | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10179 | A | Put the direction selector switch in REVERSE position                      |  | OK |       | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10180 | A | Put the Master controller of Traction/Brake in 100% BRAKE position         |  | OK |       | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10181 | R | Read Defined Variable [TT]<br>(BCU1)Li_Traction = 0.0                      |  | OK | 0     | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10182 | R | Read Defined Variable [TT]<br>(BCU2)Li_Traction = 0.0                      |  | OK | 0     | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10183 | R | Read Defined Variable [TT]<br>(TBCU1)LI_TRACTION = 0.0                     |  | OK | 0     | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10184 | R | Read Defined Variable [TT]<br>(TBCU2)LI_TRACTION = 0.0                     |  | OK | 0     | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10185 | R | Read Defined Variable [TT]<br>(TBCU3)LI_TRACTION = 0.0                     |  | OK | 0     | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10186 | R | Read Defined Variable [TT]<br>(TBCU4)LI_TRACTION = 0.0                     |  | OK | 0     | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10187 | R | Read Defined Variable [TT]<br>(BCU1)Li_noBrake = 0.0                       |  | OK | 0     | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10188 | R | Read Defined Variable [TT]<br>(BCU2)Li_noBrake = 0.0                       |  | OK | 0     | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10189 | R | Read Defined Variable [TT]<br>(TBCU1)LI_NOBRAKE = 0.0                      |  | OK | 0     | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10190 | R | Read Defined Variable [TT]<br>(TBCU2)LI_NOBRAKE = 0.0                      |  | OK | 0     | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10191 | R | Read Defined Variable [TT]<br>(TBCU3)LI_NOBRAKE = 0.0                      |  | OK | 0     | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10192 | R | Read Defined Variable [TT]<br>(TBCU4)LI_NOBRAKE = 0.0                      |  | OK | 0     | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10193 | R | Read Min/Max [TT]<br>(MPU1)ai_drc_tc1mcpositionch1 :<br>29183<= x <= 31102 |  | OK | 30864 | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |

|       |   |                                                                               |  |    |       |                                         |       |
|-------|---|-------------------------------------------------------------------------------|--|----|-------|-----------------------------------------|-------|
| 10194 | R | Read Min/Max [TT]<br>(MPU1)ai_drc_tc1mcpositionch2 :<br>29183<= x <= 31102    |  | OK | 30752 | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10195 | R | Read Defined Variable [TT]<br>(MPU1)li_drc_tc1mctractior1 = 0.0               |  | OK | 0     | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10196 | R | Read Defined Variable [TT]<br>(MPU1)li_drc_tc1mctractior2 = 0.0               |  | OK | 0     | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10197 | R | Read Defined Variable [TT]<br>(MPU1)li_drc_tc1mcnoastr1 = 1.0                 |  | OK | 1     | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10198 | R | Read Defined Variable [TT]<br>(MPU1)li_drc_tc1mcnoastr2 = 1.0                 |  | OK | 1     | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10199 | R | Read Defined Variable [TT]<br>(MPU1)li_drc_tc1mcbraker1 = 1.0                 |  | OK | 1     | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10200 | R | Read Defined Variable [TT]<br>(MPU1)li_drc_tc1mcbraker2 = 1.0                 |  | OK | 1     | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10201 | R | Read Defined Variable [TT]<br>(MPU1)li_drc_tc1mcemergencybraker1 = 0.0        |  | OK | 0     | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10202 | R | Read Defined Variable [TT]<br>(MPU1)li_drc_tc1mcemergencybraker2 = 0.0        |  | OK | 0     | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10203 | A | Put the Master controller of<br>Traction/Brake in EMERGENCY BRAKE<br>position |  | OK |       | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10204 | R | Read Defined Variable [TT]<br>(BCU1)Li_Traction = 0.0                         |  | OK | 0     | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10205 | R | Read Defined Variable [TT]<br>(BCU2)Li_Traction = 0.0                         |  | OK | 0     | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10206 | R | Read Defined Variable [TT]<br>(TBCU1)LI_TRACTION = 0.0                        |  | OK | 0     | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10207 | R | Read Defined Variable [TT]<br>(TBCU2)LI_TRACTION = 0.0                        |  | OK | 0     | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10208 | R | Read Defined Variable [TT]<br>(TBCU3)LI_TRACTION = 0.0                        |  | OK | 0     | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10209 | R | Read Defined Variable [TT]<br>(TBCU4)LI_TRACTION = 0.0                        |  | OK | 0     | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10210 | R | Read Defined Variable [TT]<br>(BCU1)Li_noBrake = 0.0                          |  | OK | 0     | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |



|       |   |                                                                            |  |    |       |                                         |       |
|-------|---|----------------------------------------------------------------------------|--|----|-------|-----------------------------------------|-------|
| 10211 | R | Read Defined Variable [TT]<br>(BCU2)LI_noBrake = 0.0                       |  | OK | 0     | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10212 | R | Read Defined Variable [TT]<br>(TBCU1)LI_NOBRAKE = 0.0                      |  | OK | 0     | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10213 | R | Read Defined Variable [TT]<br>(TBCU2)LI_NOBRAKE = 0.0                      |  | OK | 0     | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10214 | R | Read Defined Variable [TT]<br>(TBCU3)LI_NOBRAKE = 0.0                      |  | OK | 0     | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10215 | R | Read Defined Variable [TT]<br>(TBCU4)LI_NOBRAKE = 0.0                      |  | OK | 0     | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10216 | R | Read Min/Max [TT]<br>(MPU1)ai_drc_tc1mcpositionch1 :<br>29183<= x <= 31102 |  | OK | 30864 | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10217 | R | Read Min/Max [TT]<br>(MPU1)ai_drc_tc1mcpositionch2 :<br>29183<= x <= 31102 |  | OK | 30768 | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10218 | R | Read Defined Variable [TT]<br>(MPU1)li_drc_tc1mctrackr1 = 0.0              |  | OK | 0     | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10219 | R | Read Defined Variable [TT]<br>(MPU1)li_drc_tc1mctrackr2 = 0.0              |  | OK | 0     | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10220 | R | Read Defined Variable [TT]<br>(MPU1)li_drc_tc1mcnoastr1 = 1.0              |  | OK | 1     | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10221 | R | Read Defined Variable [TT]<br>(MPU1)li_drc_tc1mcnoastr2 = 1.0              |  | OK | 1     | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10222 | R | Read Defined Variable [TT]<br>(MPU1)li_drc_tc1mcbraker1 = 1.0              |  | OK | 1     | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10223 | R | Read Defined Variable [TT]<br>(MPU1)li_drc_tc1mcbraker2 = 1.0              |  | OK | 1     | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10224 | R | Read Defined Variable [TT]<br>(MPU1)li_drc_tc1mcemergencybraker1 =<br>1.0  |  | OK | 1     | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10225 | R | Read Defined Variable [TT]<br>(MPU1)li_drc_tc1mcemergencybraker2 =<br>1.0  |  | OK | 1     | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10226 | I | Driving command TC2 side                                                   |  | OK |       | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10227 | I | Direction Selector Switch TC2                                              |  | OK |       | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |

|       |   |                                                               |  |    |   |                                         |       |
|-------|---|---------------------------------------------------------------|--|----|---|-----------------------------------------|-------|
| 10228 | A | Switch active cab to TC2                                      |  | OK |   | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10229 | A | Press 21S1 to raise the Pantographs                           |  | OK |   | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10230 | A | Press 22S11 to close the HSCB                                 |  | OK |   | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10231 | A | Put the Direction selector switch 30A1.S2 in NEUTRAL position |  | OK |   | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10232 | R | Read Defined Variable [TT]<br>(TBCU1)LI_FORWARD = 0.0         |  | OK | 0 | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10233 | R | Read Defined Variable [TT]<br>(TBCU2)LI_FORWARD = 0.0         |  | OK | 0 | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10234 | R | Read Defined Variable [TT]<br>(TBCU3)LI_FORWARD = 0.0         |  | OK | 0 | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10235 | R | Read Defined Variable [TT]<br>(TBCU4)LI_FORWARD = 0.0         |  | OK | 0 | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10236 | R | Read Defined Variable [TT]<br>(TBCU1)LI_REVERSE = 0.0         |  | OK | 0 | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10237 | R | Read Defined Variable [TT]<br>(TBCU2)LI_REVERSE = 0.0         |  | OK | 0 | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10238 | R | Read Defined Variable [TT]<br>(TBCU3)LI_REVERSE = 0.0         |  | OK | 0 | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10239 | R | Read Defined Variable [TT]<br>(TBCU4)LI_REVERSE = 0.0         |  | OK | 0 | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10240 | A | Put the Direction selector switch 30A1.S2 in FORWARD position |  | OK |   | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10241 | R | Read Defined Variable [TT]<br>(TBCU1)LI_FORWARD = 0.0         |  | OK | 0 | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10242 | R | Read Defined Variable [TT]<br>(TBCU2)LI_FORWARD = 1.0         |  | OK | 1 | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10243 | R | Read Defined Variable [TT]<br>(TBCU3)LI_FORWARD = 1.0         |  | OK | 1 | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10244 | R | Read Defined Variable [TT]<br>(TBCU4)LI_FORWARD = 0.0         |  | OK | 0 | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10245 | R | Read Defined Variable [TT]<br>(TBCU1)LI_REVERSE = 1.0         |  | OK | 1 | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |

|       |   |                                                                         |  |    |   |                                         |       |
|-------|---|-------------------------------------------------------------------------|--|----|---|-----------------------------------------|-------|
| 10246 | R | Read Defined Variable [TT]<br>(TBCU2)LI_REVERSE = 0.0                   |  | OK | 0 | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10247 | R | Read Defined Variable [TT]<br>(TBCU3)LI_REVERSE = 0.0                   |  | OK | 0 | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10248 | R | Read Defined Variable [TT]<br>(TBCU4)LI_REVERSE = 1.0                   |  | OK | 1 | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10249 | A | Put the Direction selector switch 30A1.S2<br>in REVERSE position        |  | OK |   | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10250 | R | Read Defined Variable [TT]<br>(TBCU1)LI_FORWARD = 1.0                   |  | OK | 1 | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10251 | R | Read Defined Variable [TT]<br>(TBCU2)LI_FORWARD = 0.0                   |  | OK | 0 | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10252 | R | Read Defined Variable [TT]<br>(TBCU3)LI_FORWARD = 0.0                   |  | OK | 0 | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10253 | R | Read Defined Variable [TT]<br>(TBCU4)LI_FORWARD = 1.0                   |  | OK | 1 | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10254 | R | Read Defined Variable [TT]<br>(TBCU1)LI_REVERSE = 0.0                   |  | OK | 0 | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10255 | R | Read Defined Variable [TT]<br>(TBCU2)LI_REVERSE = 1.0                   |  | OK | 1 | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10256 | R | Read Defined Variable [TT]<br>(TBCU3)LI_REVERSE = 1.0                   |  | OK | 1 | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10257 | R | Read Defined Variable [TT]<br>(TBCU4)LI_REVERSE = 0.0                   |  | OK | 0 | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10258 | A | Put Master Controller in OFF position                                   |  | OK |   | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10259 | I | Button Lamp 30S2 is OFF                                                 |  | OK |   | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10260 | I | Reduced Power Test TC2                                                  |  | OK |   | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10261 | A | Put the driving mode switch in SPEED<br>CONTROL mode                    |  | OK |   | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10262 | A | Press button 30S2 to activate the reduced<br>power mode and maintain it |  | OK |   | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10263 | R | Read Defined Variable [TT]<br>(MPU1)li_drc_tc2reducedpowerr1 = 1.0      |  | OK | 1 | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |

|       |   |                                                                                 |  |    |   |                                         |       |
|-------|---|---------------------------------------------------------------------------------|--|----|---|-----------------------------------------|-------|
| 10264 | R | Read Defined Variable [TT]<br>(MPU1)lo_drc_tc2reducedlampr1 = 1.0               |  | OK | 1 | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10265 | R | Button Lamp 30S2 is ON                                                          |  | OK |   | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10266 | A | Release the button 30S2 and press it<br>again to de-activate reduced power mode |  | OK |   | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10267 | R | Button Lamp 30S2 is OFF                                                         |  | OK |   | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10268 | R | Read Defined Variable [TT]<br>(MPU1)li_drc_tc2reducedpowerr1 = 0.0              |  | OK | 0 | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10269 | R | Read Defined Variable [TT]<br>(MPU1)lo_drc_tc2reducedlampr1 = 0.0               |  | OK | 0 | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10270 | A | Put the driving mode switch to EFFORT<br>mode                                   |  | OK |   | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10271 | A | Press button 30S2 to activate the reduced<br>power mode and maintain it         |  | OK |   | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10272 | R | Read Defined Variable [TT]<br>(MPU1)li_drc_tc2reducedpowerr1 = 1.0              |  | OK | 1 | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10273 | R | Read Defined Variable [TT]<br>(MPU1)lo_drc_tc2reducedlampr1 = 1.0               |  | OK | 1 | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10274 | A | Release the button 30S2 and press it<br>again to de-activate reduced power mode |  | OK |   | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10275 | R | Read Defined Variable [TT]<br>(MPU1)lo_drc_tc2reducedlampr1 = 0.0               |  | OK | 0 | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10276 | I | It not possible to activate reduced power<br>in depot or coupling mode          |  | OK |   | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10277 | A | Put the driving mode switch to DEPOT<br>mode                                    |  | OK |   | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10278 | A | Press button 30S2 to activate the reduced<br>power mode and maintain it         |  | OK |   | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10279 | R | Read Defined Variable [TT]<br>(MPU1)lo_drc_tc2reducedlampr1 = 0.0               |  | OK | 0 | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10280 | R | Read Defined Variable [TT]<br>(MPU1)li_drc_tc2reducedpowerr1 = 1.0              |  | OK | 1 | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10281 | A | Release the button 30S2                                                         |  | OK |   | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |

|       |   |                                                                          |  |    |   |                                         |       |
|-------|---|--------------------------------------------------------------------------|--|----|---|-----------------------------------------|-------|
| 10282 | A | Put the driving mode switch to COUPLING mode                             |  | OK |   | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10283 | A | Press button 30S2 to activate the reduced power mode and maintain it     |  | OK |   | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10284 | R | Read Defined Variable [TT]<br>(MPU1)li_drc_tc2reducedpower1 = 1.0        |  | OK | 1 | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10285 | R | Read Defined Variable [TT]<br>(MPU1)lo_drc_tc2reducedlampr1 = 0.0        |  | OK | 0 | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10286 | A | Release the button 30S2                                                  |  | OK |   | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10287 | I | Master Controller/ No Brake                                              |  | OK |   | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10288 | I | The direction selector switch 30A1.S2 must be in NEUTRAL position        |  | OK |   | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10289 | I | The Master controller of Traction/Brake should be on OFF position        |  | OK |   | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10290 | I | Emergency Brake must be applied                                          |  | OK |   | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10291 | I | All doors should be closed                                               |  | OK |   | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10292 | I | The Traction Interlock Override Switch 31S1 should be in NORMAL position |  | OK |   | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10293 | R | LED 31H1 is OFF on the alarm module                                      |  | OK |   | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10294 | R | LED 44H4 is "ON" on the alarm module                                     |  | OK |   | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10295 | R | Read Defined Variable [TT]<br>(BCU1)Li_Traction = 0.0                    |  | OK | 0 | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10296 | R | Read Defined Variable [TT]<br>(BCU2)Li_Traction = 0.0                    |  | OK | 0 | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10297 | R | Read Defined Variable [TT]<br>(TBCU1)LI_TRACTION = 0.0                   |  | OK | 0 | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10298 | R | Read Defined Variable [TT]<br>(TBCU2)LI_TRACTION = 0.0                   |  | OK | 0 | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10299 | R | Read Defined Variable [TT]<br>(TBCU3)LI_TRACTION = 0.0                   |  | OK | 0 | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |

|       |   |                                                                          |  |    |      |                                         |       |
|-------|---|--------------------------------------------------------------------------|--|----|------|-----------------------------------------|-------|
| 10300 | R | Read Defined Variable [TT]<br>(TBCU4)LI_TRACTION = 0.0                   |  | OK | 0    | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10301 | R | Read Defined Variable [TT]<br>(BCU1)Li_noBrake = 1.0                     |  | OK | 1    | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10302 | R | Read Defined Variable [TT]<br>(BCU2)Li_noBrake = 1.0                     |  | OK | 1    | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10303 | R | Read Defined Variable [TT]<br>(TBCU1)LI_NOBRAKE = 1.0                    |  | OK | 1    | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10304 | R | Read Defined Variable [TT]<br>(TBCU2)LI_NOBRAKE = 1.0                    |  | OK | 1    | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10305 | R | Read Defined Variable [TT]<br>(TBCU3)LI_NOBRAKE = 1.0                    |  | OK | 1    | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10306 | R | Read Defined Variable [TT]<br>(TBCU4)LI_NOBRAKE = 1.0                    |  | OK | 1    | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10307 | R | Read Min/Max [TT]<br>(MPU1)ai_drc_tc2mcpositionch1 :<br>5479<= x <= 6369 |  | OK | 6032 | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10308 | R | Read Min/Max [TT]<br>(MPU1)ai_drc_tc2mcpositionch2 :<br>5479<= x <= 6369 |  | OK | 6032 | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10309 | R | Read Defined Variable [TT]<br>(MPU1)li_drc_tc2mctrackr1 = 0.0            |  | OK | 0    | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10310 | R | Read Defined Variable [TT]<br>(MPU1)li_drc_tc2mctrackr2 = 0.0            |  | OK | 0    | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10311 | R | Read Defined Variable [TT]<br>(MPU1)li_drc_tc2mcnoastr1 = 0.0            |  | OK | 0    | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10312 | R | Read Defined Variable [TT]<br>(MPU1)li_drc_tc2mcnoastr2 = 0.0            |  | OK | 0    | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10313 | R | Read Defined Variable [TT]<br>(MPU1)li_drc_tc2mcbrake1 = 0.0             |  | OK | 0    | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10314 | R | Read Defined Variable [TT]<br>(MPU1)li_drc_tc2mcbrake2 = 0.0             |  | OK | 0    | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10315 | R | Read Defined Variable [TT]<br>(MPU1)li_drc_tc2mcemergencybrake1 =<br>0.0 |  | OK | 0    | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10316 | R | Read Defined Variable [TT]<br>(MPU1)li_drc_tc2mcemergencybrake2 =<br>0.0 |  | OK | 0    | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |

|       |   |                                                                        |  |    |      |                                         |       |
|-------|---|------------------------------------------------------------------------|--|----|------|-----------------------------------------|-------|
| 10317 | A | Put the Direction selector switch 30A1.S2 in FORWARD position          |  | OK |      | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10318 | I | No emergency brake is applied                                          |  | OK |      | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10319 | R | LED 44H4 is OFF on the alarm module                                    |  | OK |      | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10320 | R | LED 31H1 is "ON" on the alarm module                                   |  | OK |      | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10321 | R | Relay 31K1 and 31K2 are energized                                      |  | OK |      | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10322 | R | Read Defined Variable [TT]<br>(BCU1)Li_Traction = 0.0                  |  | OK | 0    | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10323 | R | Read Defined Variable [TT]<br>(BCU2)Li_Traction = 0.0                  |  | OK | 0    | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10324 | R | Read Defined Variable [TT]<br>(TBCU1)LI_TRACTION = 0.0                 |  | OK | 0    | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10325 | R | Read Defined Variable [TT]<br>(TBCU2)LI_TRACTION = 0.0                 |  | OK | 0    | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10326 | R | Read Defined Variable [TT]<br>(TBCU3)LI_TRACTION = 0.0                 |  | OK | 0    | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10327 | R | Read Defined Variable [TT]<br>(TBCU4)LI_TRACTION = 0.0                 |  | OK | 0    | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10328 | R | Read Defined Variable [TT]<br>(BCU1)Li_noBrake = 1.0                   |  | OK | 1    | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10329 | R | Read Defined Variable [TT]<br>(BCU2)Li_noBrake = 1.0                   |  | OK | 1    | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10330 | R | Read Defined Variable [TT]<br>(TBCU1)LI_NOBRAKE = 1.0                  |  | OK | 1    | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10331 | R | Read Defined Variable [TT]<br>(TBCU2)LI_NOBRAKE = 1.0                  |  | OK | 1    | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10332 | R | Read Defined Variable [TT]<br>(TBCU3)LI_NOBRAKE = 1.0                  |  | OK | 1    | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10333 | R | Read Defined Variable [TT]<br>(TBCU4)LI_NOBRAKE = 1.0                  |  | OK | 1    | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10334 | R | Read Min/Max [TT]<br>(MPU1)ai_drc_tc2mcpotionch1 :<br>5479<= x <= 6369 |  | OK | 6032 | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |

|       |   |                                                                                              |  |    |      |                                         |       |
|-------|---|----------------------------------------------------------------------------------------------|--|----|------|-----------------------------------------|-------|
| 10335 | R | Read Min/Max [TT]<br>(MPU1)ai_drc_tc2mcpositionch2 :<br>5479<= x <= 6369                     |  | OK | 6032 | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10336 | R | Read Defined Variable [TT]<br>(MPU1)li_drc_tc2mctractiorr1 = 0.0                             |  | OK | 0    | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10337 | R | Read Defined Variable [TT]<br>(MPU1)li_drc_tc2mctractiorr2 = 0.0                             |  | OK | 0    | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10338 | R | Read Defined Variable [TT]<br>(MPU1)li_drc_tc2mcnocostr1 = 0.0                               |  | OK | 0    | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10339 | R | Read Defined Variable [TT]<br>(MPU1)li_drc_tc2mcnocostr2 = 0.0                               |  | OK | 0    | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10340 | R | Read Defined Variable [TT]<br>(MPU1)li_drc_tc2mcbraker1 = 0.0                                |  | OK | 0    | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10341 | R | Read Defined Variable [TT]<br>(MPU1)li_drc_tc2mcbraker2 = 0.0                                |  | OK | 0    | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10342 | R | Read Defined Variable [TT]<br>(MPU1)li_drc_tc2mcemergencybraker1 = 0.0                       |  | OK | 0    | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10343 | R | Read Defined Variable [TT]<br>(MPU1)li_drc_tc2mcemergencybraker2 = 0.0                       |  | OK | 0    | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10344 | I | For safety purposes ENSURE that NO one is working NEAR, OUTSIDE or on the DOORS of the Train |  | OK |      | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10345 | A | Press Automatic Start Button to Drop the Pantographs                                         |  | OK |      | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10346 | A | Timer 15.0 S                                                                                 |  | OK |      | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10347 | R | Read Defined Variable [TT]<br>(MPU1)li_pnt_m1pantorisedr1 = 0.0                              |  | OK | 0    | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10348 | R | Read Defined Variable [TT]<br>(MPU1)li_pnt_m1pantorisedr2 = 0.0                              |  | OK | 0    | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10349 | R | Read Defined Variable [TT]<br>(MPU1)li_pnt_m2pantorisedr1 = 0.0                              |  | OK | 0    | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10350 | R | Read Defined Variable [TT]<br>(MPU1)li_pnt_m2pantorisedr2 = 0.0                              |  | OK | 0    | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10351 | A | Put the Master controller of Traction/Brake in 100% TRACTION position                        |  | OK |      | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |



|       |   |                                                                            |  |    |       |                                         |       |
|-------|---|----------------------------------------------------------------------------|--|----|-------|-----------------------------------------|-------|
| 10352 | R | Read Defined Variable [TT]<br>(BCU1)Li_Traction = 1.0                      |  | OK | 1     | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10353 | R | Read Defined Variable [TT]<br>(BCU2)Li_Traction = 1.0                      |  | OK | 1     | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10354 | R | Read Defined Variable [TT]<br>(TBCU1)LI_TRACTION = 1.0                     |  | OK | 1     | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10355 | R | Read Defined Variable [TT]<br>(TBCU2)LI_TRACTION = 1.0                     |  | OK | 1     | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10356 | R | Read Defined Variable [TT]<br>(TBCU3)LI_TRACTION = 1.0                     |  | OK | 1     | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10357 | R | Read Defined Variable [TT]<br>(TBCU4)LI_TRACTION = 1.0                     |  | OK | 1     | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10358 | R | Read Defined Variable [TT]<br>(BCU1)Li_noBrake = 1.0                       |  | OK | 1     | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10359 | R | Read Defined Variable [TT]<br>(BCU2)Li_noBrake = 1.0                       |  | OK | 1     | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10360 | R | Read Defined Variable [TT]<br>(TBCU1)LI_NOBRAKE = 1.0                      |  | OK | 1     | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10361 | R | Read Defined Variable [TT]<br>(TBCU2)LI_NOBRAKE = 1.0                      |  | OK | 1     | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10362 | R | Read Defined Variable [TT]<br>(TBCU3)LI_NOBRAKE = 1.0                      |  | OK | 1     | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10363 | R | Read Defined Variable [TT]<br>(TBCU4)LI_NOBRAKE = 1.0                      |  | OK | 1     | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10364 | R | Read Min/Max [TT]<br>(MPU1)ai_drc_tc2mcpositionch1 :<br>29183<= x <= 31102 |  | OK | 30896 | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10365 | R | Read Min/Max [TT]<br>(MPU1)ai_drc_tc2mcpositionch2 :<br>29183<= x <= 31102 |  | OK | 30944 | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10366 | R | Read Defined Variable [TT]<br>(MPU1)li_drc_tc2mctractonr1 = 1.0            |  | OK | 1     | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10367 | R | Read Defined Variable [TT]<br>(MPU1)li_drc_tc2mctractonr2 = 1.0            |  | OK | 1     | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10368 | R | Read Defined Variable [TT]<br>(MPU1)li_drc_tc2mcnoastr1 = 1.0              |  | OK | 1     | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10369 | R | Read Defined Variable [TT]<br>(MPU1)li_drc_tc2mcnoastr2 = 1.0              |  | OK | 1     | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |

|       |   |                                                                        |  |    |      |                                         |       |
|-------|---|------------------------------------------------------------------------|--|----|------|-----------------------------------------|-------|
| 10370 | R | Read Defined Variable [TT]<br>(MPU1)li_drc_tc2mcbraker1 = 0.0          |  | OK | 0    | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10371 | R | Read Defined Variable [TT]<br>(MPU1)li_drc_tc2mcbraker2 = 0.0          |  | OK | 0    | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10372 | R | Read Defined Variable [TT]<br>(MPU1)li_drc_tc2mcemergencybraker1 = 0.0 |  | OK | 0    | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10373 | R | Read Defined Variable [TT]<br>(MPU1)li_drc_tc2mcemergencybraker2 = 0.0 |  | OK | 0    | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10374 | A | Put the Master controller of<br>Traction/Brake in OFF position         |  | OK |      | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10375 | R | Read Defined Variable [TT]<br>(BCU1)LI_Traction = 0.0                  |  | OK | 0    | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10376 | R | Read Defined Variable [TT]<br>(BCU2)LI_Traction = 0.0                  |  | OK | 0    | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10377 | R | Read Defined Variable [TT]<br>(TBCU1)LI_TRACTION = 0.0                 |  | OK | 0    | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10378 | R | Read Defined Variable [TT]<br>(TBCU2)LI_TRACTION = 0.0                 |  | OK | 0    | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10379 | R | Read Defined Variable [TT]<br>(TBCU3)LI_TRACTION = 0.0                 |  | OK | 0    | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10380 | R | Read Defined Variable [TT]<br>(TBCU4)LI_TRACTION = 0.0                 |  | OK | 0    | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10381 | R | Read Defined Variable [TT]<br>(BCU1)LI_noBrake = 1.0                   |  | OK | 1    | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10382 | R | Read Defined Variable [TT]<br>(BCU2)LI_noBrake = 1.0                   |  | OK | 1    | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10383 | R | Read Defined Variable [TT]<br>(TBCU1)LI_NOBRAKE = 1.0                  |  | OK | 1    | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10384 | R | Read Defined Variable [TT]<br>(TBCU2)LI_NOBRAKE = 1.0                  |  | OK | 1    | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10385 | R | Read Defined Variable [TT]<br>(TBCU3)LI_NOBRAKE = 1.0                  |  | OK | 1    | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10386 | R | Read Defined Variable [TT]<br>(TBCU4)LI_NOBRAKE = 1.0                  |  | OK | 1    | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10387 | R | Read Min/Max [TT]                                                      |  | OK | 6032 | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |

|       |   |                                                                           |  |    |      |                                         |       |
|-------|---|---------------------------------------------------------------------------|--|----|------|-----------------------------------------|-------|
|       |   | (MPU1)ai_drc_tc2mcpositionch1 :<br>5479<= x <= 6369                       |  |    |      |                                         |       |
| 10388 | R | Read Min/Max [TT]<br>(MPU1)ai_drc_tc2mcpositionch2 :<br>5479<= x <= 6369  |  | OK | 6032 | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10389 | R | Read Defined Variable [TT]<br>(MPU1)li_drc_tc2mctractionr1 = 0.0          |  | OK | 0    | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10390 | R | Read Defined Variable [TT]<br>(MPU1)li_drc_tc2mctractionr2 = 0.0          |  | OK | 0    | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10391 | R | Read Defined Variable [TT]<br>(MPU1)li_drc_tc2mcnoastr1 = 0.0             |  | OK | 0    | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10392 | R | Read Defined Variable [TT]<br>(MPU1)li_drc_tc2mcnoastr2 = 0.0             |  | OK | 0    | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10393 | R | Read Defined Variable [TT]<br>(MPU1)li_drc_tc2mcbraker1 = 0.0             |  | OK | 0    | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10394 | R | Read Defined Variable [TT]<br>(MPU1)li_drc_tc2mcbraker2 = 0.0             |  | OK | 0    | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10395 | R | Read Defined Variable [TT]<br>(MPU1)li_drc_tc2mcemergencybraker1 =<br>0.0 |  | OK | 0    | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10396 | R | Read Defined Variable [TT]<br>(MPU1)li_drc_tc2mcemergencybraker2 =<br>0.0 |  | OK | 0    | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10397 | A | Put the Master controller of<br>Traction/Brake in 100% BRAKE position     |  | OK |      | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10398 | R | Read Defined Variable [TT]<br>(BCU1)Li_Traction = 0.0                     |  | OK | 0    | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10399 | R | Read Defined Variable [TT]<br>(BCU2)Li_Traction = 0.0                     |  | OK | 0    | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10400 | R | Read Defined Variable [TT]<br>(TBCU1)LI_TRACTION = 0.0                    |  | OK | 0    | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10401 | R | Read Defined Variable [TT]<br>(TBCU2)LI_TRACTION = 0.0                    |  | OK | 0    | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10402 | R | Read Defined Variable [TT]<br>(TBCU3)LI_TRACTION = 0.0                    |  | OK | 0    | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10403 | R | Read Defined Variable [TT]<br>(TBCU4)LI_TRACTION = 0.0                    |  | OK | 0    | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10404 | R | Read Defined Variable [TT]<br>(BCU1)Li_noBrake = 0.0                      |  | OK | 0    | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |

|       |   |                                                                               |  |    |       |                                         |       |
|-------|---|-------------------------------------------------------------------------------|--|----|-------|-----------------------------------------|-------|
| 10405 | R | Read Defined Variable [TT]<br>(BCU2)Li_noBrake = 0.0                          |  | OK | 0     | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10406 | R | Read Defined Variable [TT]<br>(TBCU1)LI_NOBRAKE = 0.0                         |  | OK | 0     | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10407 | R | Read Defined Variable [TT]<br>(TBCU2)LI_NOBRAKE = 0.0                         |  | OK | 0     | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10408 | R | Read Defined Variable [TT]<br>(TBCU3)LI_NOBRAKE = 0.0                         |  | OK | 0     | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10409 | R | Read Defined Variable [TT]<br>(TBCU4)LI_NOBRAKE = 0.0                         |  | OK | 0     | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10410 | R | Read Min/Max [TT]<br>(MPU1)ai_drc_tc2mcpositionch1 :<br>29183<= x <= 31102    |  | OK | 30896 | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10411 | R | Read Min/Max [TT]<br>(MPU1)ai_drc_tc2mcpositionch2 :<br>29183<= x <= 31102    |  | OK | 30944 | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10412 | R | Read Defined Variable [TT]<br>(MPU1)li_drc_tc2mctractonr1 = 0.0               |  | OK | 0     | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10413 | R | Read Defined Variable [TT]<br>(MPU1)li_drc_tc2mctractonr2 = 0.0               |  | OK | 0     | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10414 | R | Read Defined Variable [TT]<br>(MPU1)li_drc_tc2mcnoastr1 = 1.0                 |  | OK | 1     | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10415 | R | Read Defined Variable [TT]<br>(MPU1)li_drc_tc2mcnoastr2 = 1.0                 |  | OK | 1     | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10416 | R | Read Defined Variable [TT]<br>(MPU1)li_drc_tc2mcbraker1 = 1.0                 |  | OK | 1     | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10417 | R | Read Defined Variable [TT]<br>(MPU1)li_drc_tc2mcbraker2 = 1.0                 |  | OK | 1     | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10418 | R | Read Defined Variable [TT]<br>(MPU1)li_drc_tc2mcemergencybraker1 =<br>0.0     |  | OK | 0     | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10419 | R | Read Defined Variable [TT]<br>(MPU1)li_drc_tc2mcemergencybraker2 =<br>0.0     |  | OK | 0     | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10420 | A | Put the Master controller of<br>Traction/Brake in EMERGENCY BRAKE<br>position |  | OK |       | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10421 | R | Read Defined Variable [TT]<br>(BCU1)Li_Traction = 0.0                         |  | OK | 0     | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |

|       |   |                                                                             |  |    |       |                                         |       |
|-------|---|-----------------------------------------------------------------------------|--|----|-------|-----------------------------------------|-------|
| 10422 | R | Read Defined Variable [TT]<br>(BCU2)LI_Traction = 0.0                       |  | OK | 0     | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10423 | R | Read Defined Variable [TT]<br>(TBCU1)LI_TRACTION = 0.0                      |  | OK | 0     | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10424 | R | Read Defined Variable [TT]<br>(TBCU2)LI_TRACTION = 0.0                      |  | OK | 0     | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10425 | R | Read Defined Variable [TT]<br>(TBCU3)LI_TRACTION = 0.0                      |  | OK | 0     | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10426 | R | Read Defined Variable [TT]<br>(TBCU4)LI_TRACTION = 0.0                      |  | OK | 0     | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10427 | R | Read Defined Variable [TT]<br>(BCU1)LI_noBrake = 0.0                        |  | OK | 0     | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10428 | R | Read Defined Variable [TT]<br>(BCU2)LI_noBrake = 0.0                        |  | OK | 0     | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10429 | R | Read Defined Variable [TT]<br>(TBCU1)LI_NOBRAKE = 0.0                       |  | OK | 0     | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10430 | R | Read Defined Variable [TT]<br>(TBCU2)LI_NOBRAKE = 0.0                       |  | OK | 0     | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10431 | R | Read Defined Variable [TT]<br>(TBCU3)LI_NOBRAKE = 0.0                       |  | OK | 0     | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10432 | R | Read Defined Variable [TT]<br>(TBCU4)LI_NOBRAKE = 0.0                       |  | OK | 0     | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10433 | R | Read Min/Max [TT]<br>(MPU1)ai_drc_tc2mcpoositionch1 :<br>29183<= x <= 31102 |  | OK | 30896 | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10434 | R | Read Min/Max [TT]<br>(MPU1)ai_drc_tc2mcpoositionch2 :<br>29183<= x <= 31102 |  | OK | 30944 | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10435 | R | Read Defined Variable [TT]<br>(MPU1)li_drc_tc2mctractonr1 = 0.0             |  | OK | 0     | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10436 | R | Read Defined Variable [TT]<br>(MPU1)li_drc_tc2mctractonr2 = 0.0             |  | OK | 0     | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10437 | R | Read Defined Variable [TT]<br>(MPU1)li_drc_tc2mcnoastr1 = 1.0               |  | OK | 1     | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10438 | R | Read Defined Variable [TT]<br>(MPU1)li_drc_tc2mcnoastr2 = 1.0               |  | OK | 1     | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10439 | R | Read Defined Variable [TT]<br>(MPU1)li_drc_tc2mcbraker1 = 1.0               |  | OK | 1     | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |

|       |   |                                                                        |  |    |   |                                         |       |
|-------|---|------------------------------------------------------------------------|--|----|---|-----------------------------------------|-------|
| 10440 | R | Read Defined Variable [TT]<br>(MPU1)li_drc_tc2mcbraker2 = 1.0          |  | OK | 1 | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10441 | R | Read Defined Variable [TT]<br>(MPU1)li_drc_tc2mcemergencybraker1 = 1.0 |  | OK | 1 | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10442 | R | Read Defined Variable [TT]<br>(MPU1)li_drc_tc2mcemergencybraker2 = 1.0 |  | OK | 1 | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10443 | A | Put the Master controller of<br>Traction/Brake in OFF position         |  | OK |   | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10444 | A | Put the direction switch to NEUTRAL<br>position                        |  | OK |   | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10445 | A | Close HSCB using button 22S11                                          |  | OK |   | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10446 | I | End of Test                                                            |  | OK |   | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |



Serial Tests Report  
TS270 – TFS  
RTR Train Functional Static Test Report

Document Reference  
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Version: A0

Emission date  
27/02/2025

## Section 14 – Holding and Parking Brake

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### 14.1 Instructions list



### 14.1.1 045\_PBK-Holding and Parking Brake

I - Information      A - Action      R - Result      NE - Not Executed

| N°    | Type | Instruction                                                                              | File | Result status | Result value | Operator                                 | Vehicle |
|-------|------|------------------------------------------------------------------------------------------|------|---------------|--------------|------------------------------------------|---------|
| 10001 | I    | Parking brake SPP= 045                                                                   |      | OK            |              | Siphehile Mchunu<br>491465<br>22.02.2025 | Train   |
| 10002 | I    | Initial Conditions                                                                       |      | OK            |              | Siphehile Mchunu<br>491465<br>22.02.2025 | Train   |
| 10003 | I    | Train must be properly scotched with sufficient scotch blocked to prevent it from moving |      | OK            |              | Siphehile Mchunu<br>491465<br>22.02.2025 | Train   |
| 10004 | I    | Automatic parking brake application                                                      |      | OK            |              | Siphehile Mchunu<br>491465<br>22.02.2025 | Train   |
| 10005 | I    | Train in LV ready with active cab on TC1                                                 |      | OK            |              | Siphehile Mchunu<br>491465<br>22.02.2025 | Train   |
| 10006 | A    | Release parking brake using the switch 45S1                                              |      | OK            |              | Siphehile Mchunu<br>491465<br>22.02.2025 | Train   |
| 10007 | R    | Verify on the DDU that all cars have parking brake released                              |      | OK            |              | Siphehile Mchunu<br>491465<br>22.02.2025 | Train   |
| 10008 | A    | Force [TT]<br>(MPU1)lo_air_tc1compenabler1 = 0.0                                         |      | OK            |              | Siphehile Mchunu<br>491465<br>22.02.2025 | Train   |
| 10009 | A    | Force [TT]<br>(MPU1)lo_air_tc1compenabler2 = 0.0                                         |      | OK            |              | Siphehile Mchunu<br>491465<br>22.02.2025 | Train   |
| 10010 | A    | Force [TT]<br>(MPU1)lo_air_tc2compenabler1 = 0.0                                         |      | OK            |              | Siphehile Mchunu<br>491465<br>22.02.2025 | Train   |
| 10011 | A    | Force [TT]<br>(MPU1)lo_air_tc2compenabler2 = 0.0                                         |      | OK            |              | Siphehile Mchunu<br>491465<br>22.02.2025 | Train   |
| 10012 | A    | Drain the air from the main pipe until it reaches Obar                                   |      | OK            |              | Siphehile Mchunu<br>491465<br>22.02.2025 | Train   |
| 10013 | R    | Main pipe pressure is Obar on the Pneumatic indicator                                    |      | OK            |              | Siphehile Mchunu<br>491465<br>22.02.2025 | Train   |
| 10014 | R    | Verify on the DDU that all cars have parking brake applied                               |      | OK            |              | Siphehile Mchunu<br>491465<br>22.02.2025 | Train   |
| 10015 | R    | Lamp 45H2 is "ON" on the alarm module                                                    |      | OK            |              | Siphehile Mchunu<br>491465<br>22.02.2025 | Train   |

|       |   |                                                                  |  |    |   |                                           |       |
|-------|---|------------------------------------------------------------------|--|----|---|-------------------------------------------|-------|
| 10016 | R | Read Defined Variable [TT]<br>(MPU1)tbcu2_parkbrakerelease = 0.0 |  | OK | 0 | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10017 | R | Read Defined Variable [TT]<br>(MPU1)TBCU1_parkbrakerelease = 0.0 |  | OK | 0 | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10018 | R | Read Defined Variable [TT]<br>(MPU1)bcu1_parkbrakerelease = 0.0  |  | OK | 0 | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10019 | R | Read Defined Variable [TT]<br>(MPU1)BCU2_ParkBrakeRelease = 0.0  |  | OK | 0 | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10020 | R | Read Defined Variable [TT]<br>(MPU1)tbcu3_parkbrakerelease = 0.0 |  | OK | 0 | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10021 | R | Read Defined Variable [TT]<br>(MPU1)tbcu4_parkbrakerelease = 0.0 |  | OK | 0 | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10022 | R | Read Defined Variable [TT]<br>(MPU1)tbcu1_li_pbrake_stat = 1.0   |  | OK | 1 | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10023 | R | Read Defined Variable [TT]<br>(MPU1)tbcu2_li_pbrake_stat = 1.0   |  | OK | 1 | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10024 | R | Read Defined Variable [TT]<br>(MPU1)tbcu3_li_pbrake_stat = 1.0   |  | OK | 1 | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10025 | R | Read Defined Variable [TT]<br>(MPU1)tbcu4_li_pbrake_stat = 1.0   |  | OK | 1 | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10026 | R | Read Defined Variable [TT]<br>(MPU1)BCU2_ParkBrakeIsOldC = 0.0   |  | OK | 0 | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10027 | R | Read Defined Variable [TT]<br>(MPU1)TBCU1_parkbrakeisoldc = 0.0  |  | OK | 0 | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10028 | R | Read Defined Variable [TT]<br>(MPU1)tbcu2_parkbrakeisoldc = 0.0  |  | OK | 0 | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10029 | R | Read Defined Variable [TT]<br>(MPU1)bcu1_parkbrakeisoldc = 0.0   |  | OK | 0 | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10030 | R | Read Defined Variable [TT]<br>(MPU1)tbcu3_parkbrakeisoldc = 0.0  |  | OK | 0 | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10031 | R | Read Defined Variable [TT]<br>(MPU1)tbcu4_parkbrakeisoldc = 0.0  |  | OK | 0 | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10032 | R | Read Defined Variable [TT]<br>(BCU1)LI_PARK_BR_DC = 0.0          |  | OK | 0 | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10033 | R | Read Defined Variable [TT]<br>(BCU2)LI_PARK_BR_DC = 0.0          |  | OK | 0 | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |

|       |   |                                                                                               |    |   |                                          |       |
|-------|---|-----------------------------------------------------------------------------------------------|----|---|------------------------------------------|-------|
| 10034 | R | Read Defined Variable [TT]<br>(TBCU1)LI_PARK_BR_RELEASE = 0.0                                 | OK | 0 | Siphehile Mchunu<br>491465<br>22.02.2025 | Train |
| 10035 | R | Read Defined Variable [TT]<br>(TBCU2)LI_PARK_BR_DC = 0.0                                      | OK | 0 | Siphehile Mchunu<br>491465<br>22.02.2025 | Train |
| 10036 | R | Read Defined Variable [TT]<br>(TBCU3)LI_PARK_BR_DC = 0.0                                      | OK | 0 | Siphehile Mchunu<br>491465<br>22.02.2025 | Train |
| 10037 | R | Read Defined Variable [TT]<br>(TBCU4)LI_PARK_BR_DC = 0.0                                      | OK | 0 | Siphehile Mchunu<br>491465<br>22.02.2025 | Train |
| 10038 | A | Release [TT]<br>(MPU1)lo_air_tc1compenabler1                                                  | OK |   | Siphehile Mchunu<br>491465<br>22.02.2025 | Train |
| 10039 | A | Release [TT]<br>(MPU1)lo_air_tc1compenabler2                                                  | OK |   | Siphehile Mchunu<br>491465<br>22.02.2025 | Train |
| 10040 | A | Release [TT]<br>(MPU1)lo_air_tc2compenabler1                                                  | OK |   | Siphehile Mchunu<br>491465<br>22.02.2025 | Train |
| 10041 | A | Release [TT]<br>(MPU1)lo_air_tc2compenabler2                                                  | OK |   | Siphehile Mchunu<br>491465<br>22.02.2025 | Train |
| 10042 | A | Press the automatic start button 20S1                                                         | OK |   | Siphehile Mchunu<br>491465<br>22.02.2025 | Train |
| 10043 | R | Read Defined Variable [TT]<br>(MPU1)lo_air_tc1compenabler1 = 1.0                              | OK | 1 | Siphehile Mchunu<br>491465<br>22.02.2025 | Train |
| 10044 | R | Read Defined Variable [TT]<br>(MPU1)lo_air_tc2compenabler1 = 1.0                              | OK | 1 | Siphehile Mchunu<br>491465<br>22.02.2025 | Train |
| 10045 | R | After 10 minutes, the air in the main pipe<br>is 10bar +/-0.2bar                              | OK |   | Siphehile Mchunu<br>491465<br>22.02.2025 | Train |
| 10046 | A | Turn the switch 45S1 to release parking<br>brake                                              | OK |   | Siphehile Mchunu<br>491465<br>22.02.2025 | Train |
| 10047 | R | Lamp 45H2 is OFF on the alarm module                                                          | OK |   | Siphehile Mchunu<br>491465<br>22.02.2025 | Train |
| 10048 | I | Parking brake is released in all cars                                                         | OK |   | Siphehile Mchunu<br>491465<br>22.02.2025 | Train |
| 10049 | R | Lamp 45H2 is OFF on the alarm module                                                          | OK |   | Siphehile Mchunu<br>491465<br>22.02.2025 | Train |
| 10050 | R | On the Driver's event list, there is no<br>message reporting parking brake release<br>failure | OK |   | Siphehile Mchunu<br>491465<br>22.02.2025 | Train |
| 10051 | R | Read Defined Variable [TT]<br>(MPU1)tbcu2_parkbrakerelease = 1.0                              | OK | 1 | Siphehile Mchunu<br>491465<br>22.02.2025 | Train |

|       |   |                                                                  |    |   |                                          |       |
|-------|---|------------------------------------------------------------------|----|---|------------------------------------------|-------|
| 10052 | R | Read Defined Variable [TT]<br>(MPU1)TBCU1_parkbrakerelease = 1.0 | OK | 1 | Siphehile Mchunu<br>491465<br>22.02.2025 | Train |
| 10053 | R | Read Defined Variable [TT]<br>(MPU1)bcu1_parkbrakerelease = 1.0  | OK | 1 | Siphehile Mchunu<br>491465<br>22.02.2025 | Train |
| 10054 | R | Read Defined Variable [TT]<br>(MPU1)BCU2_ParkBrakeRelease = 1.0  | OK | 1 | Siphehile Mchunu<br>491465<br>22.02.2025 | Train |
| 10055 | R | Read Defined Variable [TT]<br>(MPU1)tbcu3_parkbrakerelease = 1.0 | OK | 1 | Siphehile Mchunu<br>491465<br>22.02.2025 | Train |
| 10056 | R | Read Defined Variable [TT]<br>(MPU1)tbcu4_parkbrakerelease = 1.0 | OK | 1 | Siphehile Mchunu<br>491465<br>22.02.2025 | Train |
| 10057 | R | Read Defined Variable [TT]<br>(MPU1)tbcu1_li_pbrake_stat = 0.0   | OK | 0 | Siphehile Mchunu<br>491465<br>22.02.2025 | Train |
| 10058 | R | Read Defined Variable [TT]<br>(MPU1)tbcu2_li_pbrake_stat = 0.0   | OK | 0 | Siphehile Mchunu<br>491465<br>22.02.2025 | Train |
| 10059 | R | Read Defined Variable [TT]<br>(MPU1)tbcu3_li_pbrake_stat = 0.0   | OK | 0 | Siphehile Mchunu<br>491465<br>22.02.2025 | Train |
| 10060 | R | Read Defined Variable [TT]<br>(MPU1)tbcu4_li_pbrake_stat = 0.0   | OK | 0 | Siphehile Mchunu<br>491465<br>22.02.2025 | Train |
| 10061 | R | Read Defined Variable [TT]<br>(MPU1)BCU2_ParkBrakeIsolDC = 0.0   | OK | 0 | Siphehile Mchunu<br>491465<br>22.02.2025 | Train |
| 10062 | R | Read Defined Variable [TT]<br>(MPU1)TBCU1_parkbrakeisolDC = 0.0  | OK | 0 | Siphehile Mchunu<br>491465<br>22.02.2025 | Train |
| 10063 | R | Read Defined Variable [TT]<br>(MPU1)tbcu2_parkbrakeisolDC = 0.0  | OK | 0 | Siphehile Mchunu<br>491465<br>22.02.2025 | Train |
| 10064 | R | Read Defined Variable [TT]<br>(MPU1)bcu1_parkbrakeisolDC = 0.0   | OK | 0 | Siphehile Mchunu<br>491465<br>22.02.2025 | Train |
| 10065 | R | Read Defined Variable [TT]<br>(MPU1)tbcu3_parkbrakeisolDC = 0.0  | OK | 0 | Siphehile Mchunu<br>491465<br>22.02.2025 | Train |
| 10066 | R | Read Defined Variable [TT]<br>(MPU1)tbcu4_parkbrakeisolDC = 0.0  | OK | 0 | Siphehile Mchunu<br>491465<br>22.02.2025 | Train |
| 10067 | R | Read Defined Variable [TT]<br>(BCU1)LI_PARK_BR_DC = 0.0          | OK | 0 | Siphehile Mchunu<br>491465<br>22.02.2025 | Train |
| 10068 | R | Read Defined Variable [TT]<br>(BCU2)LI_PARK_BR_DC = 0.0          | OK | 0 | Siphehile Mchunu<br>491465<br>22.02.2025 | Train |
| 10069 | R | Read Defined Variable [TT]<br>(TBCU1)LI_PARK_BR_DC = 0.0         | OK | 0 | Siphehile Mchunu<br>491465<br>22.02.2025 | Train |

|       |   |                                                                                                                     |  |    |       |                                          |       |
|-------|---|---------------------------------------------------------------------------------------------------------------------|--|----|-------|------------------------------------------|-------|
| 10070 | R | Read Defined Variable [TT]<br>(TBCU2)LI_PARK_BR_DC = 0.0                                                            |  | OK | 0     | Siphehile Mchunu<br>491465<br>22.02.2025 | Train |
| 10071 | R | Read Defined Variable [TT]<br>(TBCU3)LI_PARK_BR_DC = 0.0                                                            |  | OK | 0     | Siphehile Mchunu<br>491465<br>22.02.2025 | Train |
| 10072 | R | Read Defined Variable [TT]<br>(TBCU4)LI_PARK_BR_DC = 0.0                                                            |  | OK | 0     | Siphehile Mchunu<br>491465<br>22.02.2025 | Train |
| 10073 | I | Remote parking brake application TC1                                                                                |  | OK |       | Siphehile Mchunu<br>491465<br>22.02.2025 | Train |
| 10074 | A | Turn the switch 45S1 to parking brake release                                                                       |  | OK |       | Siphehile Mchunu<br>491465<br>22.02.2025 | Train |
| 10075 | R | Lamp 45H2 is OFF on the alarm module                                                                                |  | OK |       | Siphehile Mchunu<br>491465<br>22.02.2025 | Train |
| 10076 | R | Measure the pressure of the test point C1.11 on TC1, test point must be set to 6 bar<br>Read Undefined Value : x () |  | OK | 6.043 | Siphehile Mchunu<br>491465<br>22.02.2025 | Train |
| 10077 | R | Measure the pressure of the test point C2.11 on M4, test point must be set to 6 bar<br>Read Undefined Value : x ()  |  | OK | 5.973 | Siphehile Mchunu<br>491465<br>22.02.2025 | Train |
| 10078 | R | Measure the pressure of the test point C2.11 on M1, test point must be set to 6 bar<br>Read Undefined Value : x ()  |  | OK | 7.12  | Siphehile Mchunu<br>491465<br>22.02.2025 | Train |
| 10079 | R | Measure the pressure of the test point C2.11 on M2, test point must be set to 6 bar<br>Read Undefined Value : x ()  |  | OK | 5.985 | Siphehile Mchunu<br>491465<br>22.02.2025 | Train |
| 10080 | R | Measure the pressure of the test point C2.11 on M3, test point must be set to 6 bar<br>Read Undefined Value : x ()  |  | OK | 6.143 | Siphehile Mchunu<br>491465<br>22.02.2025 | Train |
| 10081 | R | Measure the pressure of the test point C1.11 on TC2, test point must be set to 6 bar<br>Read Undefined Value : x () |  | OK | 6.096 | Siphehile Mchunu<br>491465<br>22.02.2025 | Train |
| 10082 | A | Turn the switch 45S1 to apply parking brake                                                                         |  | OK |       | Siphehile Mchunu<br>491465<br>22.02.2025 | Train |
| 10083 | R | Lamp 45H2 is ON on the alarm module                                                                                 |  | OK |       | Siphehile Mchunu<br>491465<br>22.02.2025 | Train |
| 10084 | R | Measure the pressure of the test point C1.11 on TC1, test point must below 4.8 bar<br>Result Max : x <= 5 (Bar)     |  | OK | 1.628 | Siphehile Mchunu<br>491465<br>22.02.2025 | Train |
| 10085 | R | Measure the pressure of the test point C1.11 on M4, test point must below 4.8 bar<br>Result Max : x <= 5 (Bar)      |  | OK | 1.897 | Siphehile Mchunu<br>491465<br>22.02.2025 | Train |

|       |   |                                                                                                                     |  |    |       |                                          |       |
|-------|---|---------------------------------------------------------------------------------------------------------------------|--|----|-------|------------------------------------------|-------|
| 10086 | R | Measure the pressure of the test point C2.11 on M1, test point must below 4.8 bar<br>Result Max : $x \leq 5$ (Bar)  |  | OK | 1.952 | Siphehile Mchunu<br>491465<br>22.02.2025 | Train |
| 10087 | R | Measure the pressure of the test point C2.11 on M2, test point must below 4.8 bar<br>Result Max : $x \leq 5$ (Bar)  |  | OK | 1.86  | Siphehile Mchunu<br>491465<br>22.02.2025 | Train |
| 10088 | R | Measure the pressure of the test point C2.11 on M3, test point must below 4.8 bar<br>Result Max : $x \leq 5$ (Bar)  |  | OK | 1.923 | Siphehile Mchunu<br>491465<br>22.02.2025 | Train |
| 10089 | R | Measure the pressure of the test point C1.11 on TC2, test point must below 4.8 bar<br>Result Max : $x \leq 5$ (Bar) |  | OK | 1.774 | Siphehile Mchunu<br>491465<br>22.02.2025 | Train |
| 10090 | R | Read Defined Variable [TT]<br>(MPU1)tbcu2_parkbrakerelease = 0.0                                                    |  | OK | 0     | Siphehile Mchunu<br>491465<br>22.02.2025 | Train |
| 10091 | R | Read Defined Variable [TT]<br>(MPU1)TBCU1_parkbrakerelease = 0.0                                                    |  | OK | 0     | Siphehile Mchunu<br>491465<br>22.02.2025 | Train |
| 10092 | R | Read Defined Variable [TT]<br>(MPU1)bcu1_parkbrakerelease = 0.0                                                     |  | OK | 0     | Siphehile Mchunu<br>491465<br>22.02.2025 | Train |
| 10093 | R | Read Defined Variable [TT]<br>(MPU1)BCU2_ParkBrakeRelease = 0.0                                                     |  | OK | 0     | Siphehile Mchunu<br>491465<br>22.02.2025 | Train |
| 10094 | R | Read Defined Variable [TT]<br>(MPU1)tbcu3_parkbrakerelease = 0.0                                                    |  | OK | 0     | Siphehile Mchunu<br>491465<br>22.02.2025 | Train |
| 10095 | R | Read Defined Variable [TT]<br>(MPU1)tbcu4_parkbrakerelease = 0.0                                                    |  | OK | 0     | Siphehile Mchunu<br>491465<br>22.02.2025 | Train |
| 10096 | R | Read Defined Variable [TT]<br>(MPU1)tbcu1_li_pbrake_stat = 1.0                                                      |  | OK | 1     | Siphehile Mchunu<br>491465<br>22.02.2025 | Train |
| 10097 | R | Read Defined Variable [TT]<br>(MPU1)tbcu2_li_pbrake_stat = 1.0                                                      |  | OK | 1     | Siphehile Mchunu<br>491465<br>22.02.2025 | Train |
| 10098 | R | Read Defined Variable [TT]<br>(MPU1)tbcu3_li_pbrake_stat = 1.0                                                      |  | OK | 1     | Siphehile Mchunu<br>491465<br>22.02.2025 | Train |
| 10099 | R | Read Defined Variable [TT]<br>(MPU1)tbcu4_li_pbrake_stat = 1.0                                                      |  | OK | 1     | Siphehile Mchunu<br>491465<br>22.02.2025 | Train |
| 10100 | R | Read Defined Variable [TT]<br>(MPU1)BCU2_ParkBrakeIsolDC = 0.0                                                      |  | OK | 0     | Siphehile Mchunu<br>491465<br>22.02.2025 | Train |
| 10101 | R | Read Defined Variable [TT]<br>(MPU1)TBCU1_parkbrakeisoldc = 0.0                                                     |  | OK | 0     | Siphehile Mchunu<br>491465<br>22.02.2025 | Train |
| 10102 | R | Read Defined Variable [TT]<br>(MPU1)tbcu2_parkbrakeisoldc = 0.0                                                     |  | OK | 0     | Siphehile Mchunu<br>491465<br>22.02.2025 | Train |

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|-------|---|---------------------------------------------------------------------------------|----|---|------------------------------------------|-------|
| 10103 | R | Read Defined Variable [TT]<br>(MPU1)bcu1_parkbrakeisoldc = 0.0                  | OK | 0 | Siphehile Mchunu<br>491465<br>22.02.2025 | Train |
| 10104 | R | Read Defined Variable [TT]<br>(MPU1)tbcu3_parkbrakeisoldc = 0.0                 | OK | 0 | Siphehile Mchunu<br>491465<br>22.02.2025 | Train |
| 10105 | R | Read Defined Variable [TT]<br>(MPU1)tbcu4_parkbrakeisoldc = 0.0                 | OK | 0 | Siphehile Mchunu<br>491465<br>22.02.2025 | Train |
| 10106 | R | Read Defined Variable [TT]<br>(BCU1)LI_PARK_BR_DC = 0.0                         | OK | 0 | Siphehile Mchunu<br>491465<br>22.02.2025 | Train |
| 10107 | R | Read Defined Variable [TT]<br>(BCU2)LI_PARK_BR_DC = 0.0                         | OK | 0 | Siphehile Mchunu<br>491465<br>22.02.2025 | Train |
| 10108 | R | Read Defined Variable [TT]<br>(TBCU1)LI_PARK_BR_DC = 0.0                        | OK | 0 | Siphehile Mchunu<br>491465<br>22.02.2025 | Train |
| 10109 | R | Read Defined Variable [TT]<br>(TBCU2)LI_PARK_BR_DC = 0.0                        | OK | 0 | Siphehile Mchunu<br>491465<br>22.02.2025 | Train |
| 10110 | R | Read Defined Variable [TT]<br>(TBCU3)LI_PARK_BR_DC = 0.0                        | OK | 0 | Siphehile Mchunu<br>491465<br>22.02.2025 | Train |
| 10111 | R | Read Defined Variable [TT]<br>(TBCU4)LI_PARK_BR_DC = 0.0                        | OK | 0 | Siphehile Mchunu<br>491465<br>22.02.2025 | Train |
| 10112 | I | Parking brake manual isolation                                                  | OK |   | Siphehile Mchunu<br>491465<br>22.02.2025 | Train |
| 10113 | I | TC1                                                                             | OK |   | Siphehile Mchunu<br>491465<br>22.02.2025 | Train |
| 10114 | A | Put the switch C1.3.2 in ISOLATION position on TC1                              | OK |   | Siphehile Mchunu<br>491465<br>22.02.2025 | Train |
| 10115 | R | Read Defined Variable [TT]<br>(BCU1)LI_PARK_BR_RELEASE = 0.0                    | OK | 0 | Siphehile Mchunu<br>491465<br>22.02.2025 | Train |
| 10116 | R | Read Defined Variable [TT]<br>(MPU1)li_pbk_tc1parkbrakeisol = 1.0               | OK | 1 | Siphehile Mchunu<br>491465<br>22.02.2025 | Train |
| 10117 | R | Read Defined Variable [TT]<br>(MPU1)bcu1_parkbrakeisoldc = 1.0                  | OK | 1 | Siphehile Mchunu<br>491465<br>22.02.2025 | Train |
| 10118 | R | Read Defined Variable [TT]<br>(BCU1)LI_PARK_BR_DC = 1.0                         | OK | 1 | Siphehile Mchunu<br>491465<br>22.02.2025 | Train |
| 10119 | A | Put the switch C1.3.2 in NORMAL position on TC1                                 | OK |   | Siphehile Mchunu<br>491465<br>22.02.2025 | Train |
| 10120 | R | Read Defined Variable [TT]<br>(BCU1)LI_PARK_BR_RELEASE = 0.0                    | OK | 0 | Siphehile Mchunu<br>491465<br>22.02.2025 | Train |
| 10121 | A | Pull the parking brake manual lever of both bogies( a click sound must be heard | OK |   | Siphehile Mchunu<br>491465               | Train |

|       |   |                                                                                                                            |  |    |   |                                           |       |
|-------|---|----------------------------------------------------------------------------------------------------------------------------|--|----|---|-------------------------------------------|-------|
|       |   | to indicate parking brake lever is working)                                                                                |  |    |   | 22.02.2025                                |       |
| 10122 | R | Read Defined Variable [TT]<br>(MPU1)li_pbk_tc1parkbrakeisol = 0.0                                                          |  | OK | 0 | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10123 | R | Read Defined Variable [TT]<br>(MPU1)bcu1_parkbrakeisoldc = 0.0                                                             |  | OK | 0 | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10124 | R | Read Defined Variable [TT]<br>(BCU1)LI_PARK_BR_DC = 0.0                                                                    |  | OK | 0 | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10125 | I | M4                                                                                                                         |  | OK |   | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10126 | A | Put the switch C2.3.2 for in ISOLATION position                                                                            |  | OK |   | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10127 | R | Read Defined Variable [TT]<br>(TBCU4)LI_PARK_BR_RELEASE = 0.0                                                              |  | OK | 0 | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10128 | R | Read Defined Variable [TT]<br>(MPU1)li_pbk_m4parkbrakeisol = 1.0                                                           |  | OK | 1 | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10129 | R | Read Defined Variable [TT]<br>(MPU1)tbcu4_parkbrakeisoldc = 1.0                                                            |  | OK | 1 | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10130 | R | Read Defined Variable [TT]<br>(TBCU4)LI_PARK_BR_DC = 1.0                                                                   |  | OK | 1 | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10131 | A | Put the switch C2.3.2 in NORMAL position on M4                                                                             |  | OK |   | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10132 | R | Read Defined Variable [TT]<br>(TBCU4)LI_PARK_BR_RELEASE = 0.0                                                              |  | OK | 0 | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10133 | R | Verify on the DDU that parking brake is still released                                                                     |  | OK |   | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10134 | A | Pull the parking brake manual lever of both bogies( a click sound must be heard to indicate parking brake lever is working |  | OK |   | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10135 | R | Read Defined Variable [TT]<br>(MPU1)li_pbk_m4parkbrakeisol = 0.0                                                           |  | OK | 0 | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10136 | R | Read Defined Variable [TT]<br>(MPU1)tbcu4_parkbrakeisoldc = 0.0                                                            |  | OK | 0 | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10137 | R | Read Defined Variable [TT]<br>(TBCU4)LI_PARK_BR_DC = 0.0                                                                   |  | OK | 0 | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10138 | I | M1                                                                                                                         |  | OK |   | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |



|       |   |                                                                                                                            |  |    |   |                                           |       |
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| 10139 | A | Put the switch C2.3.2 for in ISOLATION position                                                                            |  | OK |   | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10140 | R | Read Defined Variable [TT]<br>(MPU1)li_pbk_m1parkbrakeisol = 1.0                                                           |  | OK | 1 | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10141 | R | Read Defined Variable [TT]<br>(MPU1)TBCU1_parkbrakeisoldc = 1.0                                                            |  | OK | 1 | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10142 | R | Read Defined Variable [TT]<br>(TBCU1)LI_PARK_BR_DC = 1.0                                                                   |  | OK | 1 | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10143 | A | Put the switch C2.3.2 in NORMAL position on M1                                                                             |  | OK |   | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10144 | A | Pull the parking brake manual lever of both bogies( a click sound must be heard to indicate parking brake lever is working |  | OK |   | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10145 | R | Read Defined Variable [TT]<br>(MPU1)li_pbk_m1parkbrakeisol = 0.0                                                           |  | OK | 0 | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10146 | R | Read Defined Variable [TT]<br>(MPU1)TBCU1_parkbrakeisoldc = 0.0                                                            |  | OK | 0 | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10147 | R | Read Defined Variable [TT]<br>(TBCU1)LI_PARK_BR_DC = 0.0                                                                   |  | OK | 0 | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10148 | I | M2                                                                                                                         |  | OK |   | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10149 | A | Put the switch C2.3.2 in ISOLATION position on M2                                                                          |  | OK |   | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10150 | R | Read Defined Variable [TT]<br>(MPU1)li_pbk_m2parkbrakeisol = 1.0                                                           |  | OK | 1 | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10151 | R | Read Defined Variable [TT]<br>(MPU1)tbcu2_parkbrakeisoldc = 1.0                                                            |  | OK | 1 | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10152 | R | Read Defined Variable [TT]<br>(TBCU2)LI_PARK_BR_DC = 1.0                                                                   |  | OK | 1 | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10153 | A | Put the cock C2.3.2 for in NORMAL position on M2                                                                           |  | OK |   | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10154 | A | Pull the parking brake manual lever of both bogies( a click sound must be heard to indicate parking brake lever is working |  | OK |   | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10155 | R | Read Defined Variable [TT]<br>(MPU1)li_pbk_m2parkbrakeisol = 0.0                                                           |  | OK | 0 | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10156 | R | Read Defined Variable [TT]<br>(MPU1)tbcu2_parkbrakeisoldc = 0.0                                                            |  | OK | 0 | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |

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|-------|---|----------------------------------------------------------------------------------------------------------------------------------|----|---|------------------------------------------|-------|
| 10157 | R | Read Defined Variable [TT]<br>(TBCU2)LI_PARK_BR_DC = 0.0                                                                         | OK | 0 | Siphehile Mchunu<br>491465<br>22.02.2025 | Train |
| 10158 | I | M3                                                                                                                               | OK |   | Siphehile Mchunu<br>491465<br>22.02.2025 | Train |
| 10159 | A | Put the switch C2.3.2 in ISOLATION<br>position on M3                                                                             | OK |   | Siphehile Mchunu<br>491465<br>22.02.2025 | Train |
| 10160 | R | Read Defined Variable [TT]<br>(MPU1)li_pbk_m3parkbrakeisol = 1.0                                                                 | OK | 1 | Siphehile Mchunu<br>491465<br>22.02.2025 | Train |
| 10161 | R | Read Defined Variable [TT]<br>(MPU1)tbcu3_parkbrakeisoldc = 1.0                                                                  | OK | 1 | Siphehile Mchunu<br>491465<br>22.02.2025 | Train |
| 10162 | R | Read Defined Variable [TT]<br>(TBCU3)LI_PARK_BR_DC = 1.0                                                                         | OK | 1 | Siphehile Mchunu<br>491465<br>22.02.2025 | Train |
| 10163 | A | Put the cock C2.3.2 for in NORMAL<br>position on M3                                                                              | OK |   | Siphehile Mchunu<br>491465<br>22.02.2025 | Train |
| 10164 | A | Pull the parking brake manual lever of<br>both bogies( a click sound must be heard<br>to indicate parking brake lever is working | OK |   | Siphehile Mchunu<br>491465<br>22.02.2025 | Train |
| 10165 | R | Read Defined Variable [TT]<br>(MPU1)li_pbk_m3parkbrakeisol = 0.0                                                                 | OK | 0 | Siphehile Mchunu<br>491465<br>22.02.2025 | Train |
| 10166 | R | Read Defined Variable [TT]<br>(MPU1)tbcu3_parkbrakeisoldc = 0.0                                                                  | OK | 0 | Siphehile Mchunu<br>491465<br>22.02.2025 | Train |
| 10167 | I | TC2                                                                                                                              | OK |   | Siphehile Mchunu<br>491465<br>22.02.2025 | Train |
| 10168 | A | Put the switch C1.3.2 in ISOLATION<br>position on TC2                                                                            | OK |   | Siphehile Mchunu<br>491465<br>22.02.2025 | Train |
| 10169 | R | Read Defined Variable [TT]<br>(TBCU3)LI_PARK_BR_DC = 0.0                                                                         | OK | 0 | Siphehile Mchunu<br>491465<br>22.02.2025 | Train |
| 10170 | R | Read Defined Variable [TT]<br>(MPU1)BCU2_ParkBrakeIsolDC = 1.0                                                                   | OK | 1 | Siphehile Mchunu<br>491465<br>22.02.2025 | Train |
| 10171 | R | Read Defined Variable [TT]<br>(MPU1)li_pbk_tc2parkbrakeisol = 1.0                                                                | OK | 1 | Siphehile Mchunu<br>491465<br>22.02.2025 | Train |
| 10172 | R | Read Defined Variable [TT]<br>(BCU2)LI_PARK_BR_DC = 1.0                                                                          | OK | 1 | Siphehile Mchunu<br>491465<br>22.02.2025 | Train |
| 10173 | A | Put the switch C1.3.2 in NORMAL<br>position on TC2                                                                               | OK |   | Siphehile Mchunu<br>491465<br>22.02.2025 | Train |
| 10174 | R | Read Defined Variable [TT]<br>(BCU2)LI_PARK_BR_RELEASE = 0.0                                                                     | OK | 0 | Siphehile Mchunu<br>491465<br>22.02.2025 | Train |

|       |   |                                                                                                                             |  |    |       |                                           |       |
|-------|---|-----------------------------------------------------------------------------------------------------------------------------|--|----|-------|-------------------------------------------|-------|
| 10175 | A | Pull the parking brake manual lever of both bogies( a click sound must be heard to indicate parking brake lever is working) |  | OK |       | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10176 | R | Read Defined Variable [TT]<br>(MPU1)BCU2_ParkBrakelsolDC = 0.0                                                              |  | OK | 0     | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10177 | R | Read Defined Variable [TT]<br>(MPU1)li_pbk_tc2parkbrakeisol = 0.0                                                           |  | OK | 0     | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10178 | I | Remote parking brake application TC2                                                                                        |  | OK |       | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10179 | R | Read Defined Variable [TT]<br>(BCU2)LI_PARK_BR_DC = 0.0                                                                     |  | OK | 0     | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10180 | A | Switch active cab to TC2                                                                                                    |  | OK |       | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10181 | A | Turn the switch 45S1 to apply parking brake                                                                                 |  | OK |       | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10182 | R | Lamp 45H2 is ON on the alarm module                                                                                         |  | OK |       | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10183 | R | Measure the pressure of the test point C1.11 on TC1, test point must be set to 4.8 bar<br>Read Undefined Value : x (Bar)    |  | OK | 1.747 | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10184 | R | Measure the pressure of the test point C2.11 on M4, test point must be set to 4.8 bar<br>Read Undefined Value : x (Bar)     |  | OK | 1.865 | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10185 | R | Measure the pressure of the test point C2.11 on M1, test point must be set to 4.8 bar<br>Read Undefined Value : x (Bar)     |  | OK | 2.072 | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10186 | R | Measure the pressure of the test point C2.11 on M2, test point must be set to 4.8 bar<br>Read Undefined Value : x (Bar)     |  | OK | 1.887 | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10187 | R | Measure the pressure of the test point C2.11 on M3, test point must be set to 4.8 bar<br>Read Undefined Value : x (Bar)     |  | OK | 1.856 | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10188 | R | Measure the pressure of the test point C1.11 on TC2, test point must be set to 4.8 bar<br>Read Undefined Value : x (Bar)    |  | OK | 1.707 | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10189 | R | Read Defined Variable [TT]<br>(MPU1)tbcu2_parkbrakerelease = 0.0                                                            |  | OK | 0     | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10190 | R | Read Defined Variable [TT]<br>(MPU1)TBCU1_parkbrakerelease = 0.0                                                            |  | OK | 0     | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |

|       |   |                                                                                         |  |    |   |                                          |       |
|-------|---|-----------------------------------------------------------------------------------------|--|----|---|------------------------------------------|-------|
| 10191 | R | Read Defined Variable [TT]<br>(MPU1)bcu1_parkbrakerelease = 0.0                         |  | OK | 0 | Siphehile Mchunu<br>491465<br>22.02.2025 | Train |
| 10192 | R | Read Defined Variable [TT]<br>(MPU1)BCU2_ParkBrakeRelease = 0.0                         |  | OK | 0 | Siphehile Mchunu<br>491465<br>22.02.2025 | Train |
| 10193 | R | Read Defined Variable [TT]<br>(MPU1)tbcu3_parkbrakerelease = 0.0                        |  | OK | 0 | Siphehile Mchunu<br>491465<br>22.02.2025 | Train |
| 10194 | R | Read Defined Variable [TT]<br>(MPU1)tbcu4_parkbrakerelease = 0.0                        |  | OK | 0 | Siphehile Mchunu<br>491465<br>22.02.2025 | Train |
| 10195 | R | Read Defined Variable [TT]<br>(MPU1)tbcu1_li_pbrake_stat = 1.0                          |  | OK | 1 | Siphehile Mchunu<br>491465<br>22.02.2025 | Train |
| 10196 | R | Read Defined Variable [TT]<br>(MPU1)tbcu2_li_pbrake_stat = 1.0                          |  | OK | 1 | Siphehile Mchunu<br>491465<br>22.02.2025 | Train |
| 10197 | R | Read Defined Variable [TT]<br>(MPU1)tbcu3_li_pbrake_stat = 1.0                          |  | OK | 1 | Siphehile Mchunu<br>491465<br>22.02.2025 | Train |
| 10198 | R | Read Defined Variable [TT]<br>(MPU1)tbcu4_li_pbrake_stat = 1.0                          |  | OK | 1 | Siphehile Mchunu<br>491465<br>22.02.2025 | Train |
| 10199 | R | Read Defined Variable [TT]<br>(MPU1)BCU2_ParkBrakeIsOldC = 0.0                          |  | OK | 0 | Siphehile Mchunu<br>491465<br>22.02.2025 | Train |
| 10200 | R | Read Defined Variable [TT]<br>(MPU1)TBCU1_parkbrakeisoldc = 0.0                         |  | OK | 0 | Siphehile Mchunu<br>491465<br>22.02.2025 | Train |
| 10201 | R | Read Defined Variable [TT]<br>(MPU1)tbcu2_parkbrakeisoldc = 0.0                         |  | OK | 0 | Siphehile Mchunu<br>491465<br>22.02.2025 | Train |
| 10202 | R | Read Defined Variable [TT]<br>(MPU1)bcu1_parkbrakeisoldc = 0.0                          |  | OK | 0 | Siphehile Mchunu<br>491465<br>22.02.2025 | Train |
| 10203 | R | Read Defined Variable [TT]<br>(MPU1)tbcu3_parkbrakeisoldc = 0.0                         |  | OK | 0 | Siphehile Mchunu<br>491465<br>22.02.2025 | Train |
| 10204 | R | Read Defined Variable [TT]<br>(MPU1)tbcu4_parkbrakeisoldc = 0.0                         |  | OK | 0 | Siphehile Mchunu<br>491465<br>22.02.2025 | Train |
| 10205 | A | Turn the switch 45S1 to release parking brake                                           |  | OK |   | Siphehile Mchunu<br>491465<br>22.02.2025 | Train |
| 10206 | R | Lamp 45H2 is OFF on the alarm module                                                    |  | OK |   | Siphehile Mchunu<br>491465<br>22.02.2025 | Train |
| 10207 | I | Parking brake is released in all cars                                                   |  | OK |   | Siphehile Mchunu<br>491465<br>22.02.2025 | Train |
| 10208 | R | On the Driver's event list, there is no message reporting parking brake release failure |  | OK |   | Siphehile Mchunu<br>491465<br>22.02.2025 | Train |

|       |   |                                                                  |  |    |   |                                          |       |
|-------|---|------------------------------------------------------------------|--|----|---|------------------------------------------|-------|
| 10209 | R | Read Defined Variable [TT]<br>(MPU1)tbcu2_parkbrakerelease = 1.0 |  | OK | 1 | Siphehile Mchunu<br>491465<br>22.02.2025 | Train |
| 10210 | R | Read Defined Variable [TT]<br>(MPU1)TBCU1_parkbrakerelease = 1.0 |  | OK | 1 | Siphehile Mchunu<br>491465<br>22.02.2025 | Train |
| 10211 | R | Read Defined Variable [TT]<br>(MPU1)bcu1_parkbrakerelease = 1.0  |  | OK | 1 | Siphehile Mchunu<br>491465<br>22.02.2025 | Train |
| 10212 | R | Read Defined Variable [TT]<br>(MPU1)BCU2_ParkBrakeRelease = 1.0  |  | OK | 1 | Siphehile Mchunu<br>491465<br>22.02.2025 | Train |
| 10213 | R | Read Defined Variable [TT]<br>(MPU1)tbcu3_parkbrakerelease = 1.0 |  | OK | 1 | Siphehile Mchunu<br>491465<br>22.02.2025 | Train |
| 10214 | R | Read Defined Variable [TT]<br>(MPU1)tbcu4_parkbrakerelease = 1.0 |  | OK | 1 | Siphehile Mchunu<br>491465<br>22.02.2025 | Train |
| 10215 | R | Read Defined Variable [TT]<br>(MPU1)tbcu1_li_pbrake_stat = 0.0   |  | OK | 0 | Siphehile Mchunu<br>491465<br>22.02.2025 | Train |
| 10216 | R | Read Defined Variable [TT]<br>(MPU1)tbcu2_li_pbrake_stat = 0.0   |  | OK | 0 | Siphehile Mchunu<br>491465<br>22.02.2025 | Train |
| 10217 | R | Read Defined Variable [TT]<br>(MPU1)tbcu3_li_pbrake_stat = 0.0   |  | OK | 0 | Siphehile Mchunu<br>491465<br>22.02.2025 | Train |
| 10218 | R | Read Defined Variable [TT]<br>(MPU1)tbcu4_li_pbrake_stat = 0.0   |  | OK | 0 | Siphehile Mchunu<br>491465<br>22.02.2025 | Train |
| 10219 | R | Read Defined Variable [TT]<br>(MPU1)BCU2_ParkBrakeIsolDC = 0.0   |  | OK | 0 | Siphehile Mchunu<br>491465<br>22.02.2025 | Train |
| 10220 | R | Read Defined Variable [TT]<br>(MPU1)TBCU1_parkbrakeisoldc = 0.0  |  | OK | 0 | Siphehile Mchunu<br>491465<br>22.02.2025 | Train |
| 10221 | R | Read Defined Variable [TT]<br>(MPU1)tbcu2_parkbrakeisoldc = 0.0  |  | OK | 0 | Siphehile Mchunu<br>491465<br>22.02.2025 | Train |
| 10222 | R | Read Defined Variable [TT]<br>(MPU1)bcu1_parkbrakeisoldc = 0.0   |  | OK | 0 | Siphehile Mchunu<br>491465<br>22.02.2025 | Train |
| 10223 | R | Read Defined Variable [TT]<br>(MPU1)tbcu3_parkbrakeisoldc = 0.0  |  | OK | 0 | Siphehile Mchunu<br>491465<br>22.02.2025 | Train |
| 10224 | R | Read Defined Variable [TT]<br>(MPU1)tbcu4_parkbrakeisoldc = 0.0  |  | OK | 0 | Siphehile Mchunu<br>491465<br>22.02.2025 | Train |
| 10225 | I | End of Test                                                      |  | OK |   | Siphehile Mchunu<br>491465<br>22.02.2025 | Train |



Serial Tests Report  
TS270 – TFS  
RTR Train Functional Static Test Report

Document Reference  
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Version: A0

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## Section 15 – Service Brake

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### 15.1 Instructions list

### 15.1.2 040\_SUP-Car Suspension

I - Information      A - Action      R - Result      NE - Not Executed

| N°    | Type | Instruction                                                                                | File | Result status | Result value | Operator                                  | Vehicle |
|-------|------|--------------------------------------------------------------------------------------------|------|---------------|--------------|-------------------------------------------|---------|
| 10001 | I    | Car suspension Test                                                                        |      | OK            |              | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train   |
| 10002 | I    | Initial Conditions                                                                         |      | OK            |              | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train   |
| 10003 | I    | Car suspension is not isolated in all cars                                                 |      | OK            |              | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train   |
| 10004 | I    | Air in main pipe is 10 bar                                                                 |      | OK            |              | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train   |
| 10005 | I    | TC1                                                                                        |      | OK            |              | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train   |
| 10006 | R    | Check the pressure on test point LPTP.<br>Read Undefined Value : x ()                      |      | OK            | 3.183        | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train   |
| 10007 | R    | Read Min/Max [TT]<br>(MPU1)bcu1_bcususpsspress : 311<= x <= 371                            |      | OK            | 322.74       | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train   |
| 10008 | R    | Read Defined Variable [TT]<br>(MPU1)bcu1_suspisodc = 0.0                                   |      | OK            | 0            | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train   |
| 10009 | A    | Close the isolation cock C1.10                                                             |      | OK            |              | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train   |
| 10010 | R    | Read Defined Variable [TT]<br>(MPU1)bcu1_suspisodc = 1.0                                   |      | OK            | 1            | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train   |
| 10011 | R    | Check Pressure on test point C1.11.2 = 0bar<br>Read Undefined Value : x ()                 |      | OK            | 0            | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train   |
| 10012 | A    | Open the isolation cock C1.10                                                              |      | OK            |              | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train   |
| 10013 | A    | Check all test point covers have been put back in place in the brake panel and suspension. |      | OK            |              | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train   |
| 10014 | I    | M4                                                                                         |      | OK            |              | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train   |
| 10015 | R    | Check the pressure on test point LPTP.<br>Read Undefined Value : x ()                      |      | OK            | 2.728        | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train   |



|       |   |                                                                                            |  |    |        |                                          |       |
|-------|---|--------------------------------------------------------------------------------------------|--|----|--------|------------------------------------------|-------|
| 10016 | R | Read Min/Max [TT]<br>(MPU1)tbcu4_bcususpess : 260<= x <= 320                               |  | OK | 269.92 | Siphehile Mchunu<br>491465<br>22.02.2025 | Train |
| 10017 | R | Read Defined Variable [TT]<br>(MPU1)tbcu4_suspisodc = 0.0                                  |  | OK | 0      | Siphehile Mchunu<br>491465<br>22.02.2025 | Train |
| 10018 | A | Close the isolation cock C2.10                                                             |  | OK |        | Siphehile Mchunu<br>491465<br>22.02.2025 | Train |
| 10019 | R | Check Pressure on test point C2.11.2 = Obar<br>Read Undefined Value : x ()                 |  | OK | 0      | Siphehile Mchunu<br>491465<br>22.02.2025 | Train |
| 10020 | R | Read Defined Variable [TT]<br>(MPU1)tbcu4_suspisodc = 1.0                                  |  | OK | 1      | Siphehile Mchunu<br>491465<br>22.02.2025 | Train |
| 10021 | A | Open the isolation cock C2.10                                                              |  | OK |        | Siphehile Mchunu<br>491465<br>22.02.2025 | Train |
| 10022 | A | Check all test point covers have been put back in place in the brake panel and suspension. |  | OK |        | Siphehile Mchunu<br>491465<br>22.02.2025 | Train |
| 10023 | I | M1                                                                                         |  | OK |        | Siphehile Mchunu<br>491465<br>22.02.2025 | Train |
| 10024 | R | Check the pressure on test point LPTP.<br>Read Undefined Value : x ()                      |  | OK | 2.903  | Siphehile Mchunu<br>491465<br>22.02.2025 | Train |
| 10025 | R | Read Min/Max [TT]<br>(MPU1)TBCU1_bcususpess : 271<= x <= 331                               |  | OK | 289.67 | Siphehile Mchunu<br>491465<br>22.02.2025 | Train |
| 10026 | R | Read Defined Variable [TT]<br>(MPU1)TBCU1_suspisodc = 0.0                                  |  | OK | 0      | Siphehile Mchunu<br>491465<br>22.02.2025 | Train |
| 10027 | A | Close the isolation cock C2.10                                                             |  | OK |        | Siphehile Mchunu<br>491465<br>22.02.2025 | Train |
| 10028 | R | Check Pressure on test point C2.11.2 = Obar<br>Read Undefined Value : x ()                 |  | OK | 0      | Siphehile Mchunu<br>491465<br>22.02.2025 | Train |
| 10029 | R | Read Defined Variable [TT]<br>(MPU1)TBCU1_suspisodc = 1.0                                  |  | OK | 1      | Siphehile Mchunu<br>491465<br>22.02.2025 | Train |
| 10030 | A | Open the isolation cock C2.10                                                              |  | OK |        | Siphehile Mchunu<br>491465<br>22.02.2025 | Train |
| 10031 | A | Check all test point covers have been put back in place in the brake panel and suspension. |  | OK |        | Siphehile Mchunu<br>491465<br>22.02.2025 | Train |
| 10032 | I | M2                                                                                         |  | OK |        | Siphehile Mchunu<br>491465<br>22.02.2025 | Train |

|       |   |                                                                                            |  |    |       |                                          |       |
|-------|---|--------------------------------------------------------------------------------------------|--|----|-------|------------------------------------------|-------|
| 10033 | R | Check the pressure on test point LPTP.<br>Read Undefined Value : x ()                      |  | OK | 2.732 | Siphehile Mchunu<br>491465<br>22.02.2025 | Train |
| 10034 | R | Read Min/Max [TT]<br>(MPU1)tbcu2_bcususpess : 271<= x <= 331                               |  | OK | 271.5 | Siphehile Mchunu<br>491465<br>22.02.2025 | Train |
| 10035 | R | Read Defined Variable [TT]<br>(MPU1)tbcu2_suspisodc = 0.0                                  |  | OK | 0     | Siphehile Mchunu<br>491465<br>22.02.2025 | Train |
| 10036 | A | Close the isolation cock C2.10                                                             |  | OK |       | Siphehile Mchunu<br>491465<br>22.02.2025 | Train |
| 10037 | R | Check Pressure on test point C2.11.2 = Obar<br>Read Undefined Value : x ()                 |  | OK | 0     | Siphehile Mchunu<br>491465<br>22.02.2025 | Train |
| 10038 | R | Read Defined Variable [TT]<br>(MPU1)tbcu2_suspisodc = 1.0                                  |  | OK | 1     | Siphehile Mchunu<br>491465<br>22.02.2025 | Train |
| 10039 | A | Open the isolation cock C2.10                                                              |  | OK |       | Siphehile Mchunu<br>491465<br>22.02.2025 | Train |
| 10040 | A | Check all test point covers have been put back in place in the brake panel and suspension. |  | OK |       | Siphehile Mchunu<br>491465<br>22.02.2025 | Train |
| 10041 | I | M3                                                                                         |  | OK |       | Siphehile Mchunu<br>491465<br>22.02.2025 | Train |
| 10042 | R | Check the pressure on test point LPTP.<br>Read Undefined Value : x ()                      |  | OK | 2.794 | Siphehile Mchunu<br>491465<br>22.02.2025 | Train |
| 10043 | R | Read Min/Max [TT]<br>(MPU1)tbcu3_bcususpess : 260<= x <= 320                               |  | OK | 278.8 | Siphehile Mchunu<br>491465<br>22.02.2025 | Train |
| 10044 | R | Read Defined Variable [TT]<br>(MPU1)tbcu3_suspisodc = 0.0                                  |  | OK | 0     | Siphehile Mchunu<br>491465<br>22.02.2025 | Train |
| 10045 | A | Close the isolation cock C2.10                                                             |  | OK |       | Siphehile Mchunu<br>491465<br>22.02.2025 | Train |
| 10046 | R | Check Pressure on test point C2.11.2 = Obar<br>Read Undefined Value : x ()                 |  | OK | 0     | Siphehile Mchunu<br>491465<br>22.02.2025 | Train |
| 10047 | R | Read Defined Variable [TT]<br>(MPU1)tbcu3_suspisodc = 1.0                                  |  | OK | 1     | Siphehile Mchunu<br>491465<br>22.02.2025 | Train |
| 10048 | A | Open the isolation cock C2.10                                                              |  | OK |       | Siphehile Mchunu<br>491465<br>22.02.2025 | Train |
| 10049 | A | Check all test point covers have been put back in place in the brake panel and suspension. |  | OK |       | Siphehile Mchunu<br>491465<br>22.02.2025 | Train |

|       |   |                                                                                                  |  |    |        |                                           |       |
|-------|---|--------------------------------------------------------------------------------------------------|--|----|--------|-------------------------------------------|-------|
| 10050 | I | TC2                                                                                              |  | OK |        | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10051 | R | Check the pressure on test point LPTP.<br>Read Undefined Value : x ()                            |  | OK | 3.258  | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10052 | R | Read Min/Max [TT]<br>(MPU1)BCU2_BcuSuspPress : 311<= x<br><= 371                                 |  | OK | 324.76 | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10053 | R | Read Defined Variable [TT]<br>(MPU1)BCU2_SusplsoDC = 0.0                                         |  | OK | 0      | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10054 | A | Close the isolation cock C1.10                                                                   |  | OK |        | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10055 | R | Read Defined Variable [TT]<br>(MPU1)BCU2_SusplsoDC = 1.0                                         |  | OK | 1      | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10056 | R | Check Pressure on test point C1.11.2 =<br>Obar<br>Read Undefined Value : x ()                    |  | OK | 0      | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10057 | A | Open the isolation cock C1.10                                                                    |  | OK |        | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10058 | A | Check all test point covers have been put<br>back in place in the brake panel and<br>suspension. |  | OK |        | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10059 | I | End of Test                                                                                      |  | OK |        | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |

### 15.1.1 040\_SBK-Service Brake

I - Information      A - Action      R - Result      NE - Not Executed

| N°    | Type | Instruction                                                                                                           | File | Result status | Result value | Operator                                 | Vehicle |
|-------|------|-----------------------------------------------------------------------------------------------------------------------|------|---------------|--------------|------------------------------------------|---------|
| 10001 | I    | Service Brake SPP=040 SBK                                                                                             |      | OK            |              | Siphehile Mchunu<br>491465<br>22.02.2025 | Train   |
| 10002 | I    | Initial Conditions                                                                                                    |      | OK            |              | Siphehile Mchunu<br>491465<br>22.02.2025 | Train   |
| 10003 | I    | Emergency brake button 44S1 is released in both TC1 and TC2                                                           |      | OK            |              | Siphehile Mchunu<br>491465<br>22.02.2025 | Train   |
| 10004 | I    | Pressure on the main pipe should be higher than 7 bar                                                                 |      | OK            |              | Siphehile Mchunu<br>491465<br>22.02.2025 | Train   |
| 10005 | I    | The ERTMS switch 62S1 is in ISOLATION position in both TC1 and TC2                                                    |      | OK            |              | Siphehile Mchunu<br>491465<br>22.02.2025 | Train   |
| 10006 | I    | The Deadman switch 60S1 is in OVERRIDE position in both TC1 and TC2                                                   |      | OK            |              | Siphehile Mchunu<br>491465<br>22.02.2025 | Train   |
| 10007 | I    | Driving mode should be selected as COUPLE/WASH in both TC1 and TC2                                                    |      | OK            |              | Siphehile Mchunu<br>491465<br>22.02.2025 | Train   |
| 10008 | I    | Train has sufficient scotch blocks to prevent it from moving                                                          |      | OK            |              | Siphehile Mchunu<br>491465<br>22.02.2025 | Train   |
| 10009 | I    | Ensure that the propulsion system is inhibited to prevent movement when the master controller is in TRACTION position |      | OK            |              | Siphehile Mchunu<br>491465<br>22.02.2025 | Train   |
| 10010 | I    | Start of Test                                                                                                         |      | OK            |              | Siphehile Mchunu<br>491465<br>22.02.2025 | Train   |
| 10011 | I    | Brake application / release                                                                                           |      | OK            |              | Siphehile Mchunu<br>491465<br>22.02.2025 | Train   |
| 10012 | A    | Activate the cab on TC1                                                                                               |      | OK            |              | Celiwe Sokhela<br>491462<br>25.02.2025   | Train   |
| 10013 | I    | To begin test, the EPC life signal must be live                                                                       |      | OK            |              | Celiwe Sokhela<br>491462<br>25.02.2025   | Train   |
| 10014 | R    | Read Defined Variable [TT]<br>(BCU1)LI_REGULATOR_STAT = 1.0                                                           |      | OK            | 1            | Celiwe Sokhela<br>491462<br>25.02.2025   | Train   |
| 10015 | R    | Read Defined Variable [TT]<br>(BCU2)LI_REGULATOR_STAT = 1.0                                                           |      | OK            | 1            | Celiwe Sokhela<br>491462<br>25.02.2025   | Train   |

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| 10016 | R | Read Defined Variable [TT]<br>(TBCU1)LI_REGULATOR_STAT = 1.0                                                                                                                                                                                                                                                                       |  | OK | 1    | Celiwe Sokhela<br>491462<br>25.02.2025 | Train |
| 10017 | R | Read Defined Variable [TT]<br>(TBCU2)LI_REGULATOR_STAT = 1.0                                                                                                                                                                                                                                                                       |  | OK | 1    | Celiwe Sokhela<br>491462<br>25.02.2025 | Train |
| 10018 | R | Read Defined Variable [TT]<br>(TBCU3)LI_REGULATOR_STAT = 1.0                                                                                                                                                                                                                                                                       |  | OK | 1    | Celiwe Sokhela<br>491462<br>25.02.2025 | Train |
| 10019 | R | Read Defined Variable [TT]<br>(TBCU4)LI_REGULATOR_STAT = 1.0                                                                                                                                                                                                                                                                       |  | OK | 1    | Celiwe Sokhela<br>491462<br>25.02.2025 | Train |
| 10020 | A | Put the direction selector switch in<br>FORWARD position                                                                                                                                                                                                                                                                           |  | OK |      | Celiwe Sokhela<br>491462<br>25.02.2025 | Train |
| 10021 | R | Emergency brake is released                                                                                                                                                                                                                                                                                                        |  | OK |      | Celiwe Sokhela<br>491462<br>25.02.2025 | Train |
| 10022 | R | LED 40H1 is OFF on the alarm module                                                                                                                                                                                                                                                                                                |  | OK |      | Celiwe Sokhela<br>491462<br>25.02.2025 | Train |
| 10023 | A | Move slowly the master controller from<br>OFF position to maximum brake position<br>and check the following items<br><br>- Variables on brake software as<br>demanded below.                                                                                                                                                       |  | OK |      | Celiwe Sokhela<br>491462<br>25.02.2025 | Train |
| 10024 | I | The pressure measured below can have<br>the values changed after the brake<br>adjustment during performance test. The<br>brake pressure should increase with<br>respect to the master controller position<br>and there should be no sudden jumps in<br>the pressure when observing the PWM<br>signal on the DDU maintenance screen |  | OK |      | Celiwe Sokhela<br>491462<br>25.02.2025 | Train |
| 10025 | I | All the brake discs apply pressure on the<br>wheels, it is necessary to go bogie by<br>bogie to physically check if the brake pads<br>are in contact with the wheel                                                                                                                                                                |  | OK |      | Celiwe Sokhela<br>491462<br>25.02.2025 | Train |
| 10026 | R | SBTP TC1<br>Result Min/Max : 1.27<= x <= 1.67 (Bar)                                                                                                                                                                                                                                                                                |  | OK | 1.44 | Celiwe Sokhela<br>491462<br>25.02.2025 | Train |
| 10027 | R | Brake discs apply pressure on car TC1                                                                                                                                                                                                                                                                                              |  | OK |      | Celiwe Sokhela<br>491462<br>25.02.2025 | Train |
| 10028 | R | SBTP M4<br>Result Min/Max : 1.29<= x <= 1.69 (Bar)                                                                                                                                                                                                                                                                                 |  | OK | 1.37 | Celiwe Sokhela<br>491462<br>25.02.2025 | Train |
| 10029 | R | Brake discs apply pressure on car M4                                                                                                                                                                                                                                                                                               |  | OK |      | Celiwe Sokhela<br>491462<br>25.02.2025 | Train |
| 10030 | R | SBTP M1<br>Result Min/Max : 1.29<= x <= 1.69 (Bar)                                                                                                                                                                                                                                                                                 |  | OK | 1.4  | Celiwe Sokhela<br>491462<br>25.02.2025 | Train |

|       |   |                                                                                                                              |  |    |        |                                           |       |
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| 10031 | R | Brake discs apply pressure on car M1                                                                                         |  | OK |        | Celiwe Sokhela<br>491462<br>25.02.2025    | Train |
| 10032 | R | SBTP M2<br>Result Min/Max : 1.29<= x <= 1.69 (Bar)                                                                           |  | OK | 1.39   | Celiwe Sokhela<br>491462<br>25.02.2025    | Train |
| 10033 | R | Brake discs apply pressure on car M2                                                                                         |  | OK |        | Celiwe Sokhela<br>491462<br>25.02.2025    | Train |
| 10034 | R | SBTP M3<br>Result Min/Max : 1.29<= x <= 1.69 (Bar)                                                                           |  | OK | 1.39   | Celiwe Sokhela<br>491462<br>25.02.2025    | Train |
| 10035 | R | Brake discs apply pressure on car M3                                                                                         |  | OK |        | Celiwe Sokhela<br>491462<br>25.02.2025    | Train |
| 10036 | R | SBTP TC2<br>Result Min/Max : 1.27<= x <= 1.67 (Bar)                                                                          |  | OK | 1.4    | Celiwe Sokhela<br>491462<br>25.02.2025    | Train |
| 10037 | R | Brake discs apply pressure on car TC2                                                                                        |  | OK |        | Celiwe Sokhela<br>491462<br>25.02.2025    | Train |
| 10038 | I | The pressure measured below should be approximately equal to what is observed on the PWM signa on the DDU maintenance screen |  | OK |        | Celiwe Sokhela<br>491462<br>25.02.2025    | Train |
| 10039 | R | Read Min/Max [TT]<br>(MPU1)bcu1_bcubpipepress : 127<= x <= 167                                                               |  | OK | 163.08 | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10040 | R | Read Min/Max [TT]<br>(MPU1)BCU2_BcuBPipePress : 127<= x <= 167                                                               |  | OK | 162.36 | Tebogo Mtombeni<br>529938<br>23.02.2025   | Train |
| 10041 | R | Read Min/Max [TT]<br>(MPU1)TBCU1_bcubpipepress : 129<= x <= 169                                                              |  | OK | 140.34 | Tebogo Mtombeni<br>529938<br>23.02.2025   | Train |
| 10042 | R | Read Min/Max [TT]<br>(MPU1)tbcu2_bcubpipepress : 129<= x <= 169                                                              |  | OK | 142.05 | Tebogo Mtombeni<br>529938<br>23.02.2025   | Train |
| 10043 | R | Read Min/Max [TT]<br>(MPU1)tbcu3_bcubpipepress : 129<= x <= 169                                                              |  | OK | 137.62 | Tebogo Mtombeni<br>529938<br>23.02.2025   | Train |
| 10044 | R | Read Min/Max [TT]<br>(MPU1)tbcu4_bcubpipepress : 129<= x <= 169                                                              |  | OK | 143.04 | Tebogo Mtombeni<br>529938<br>23.02.2025   | Train |
| 10045 | R | Read Defined Variable [TT]<br>(MPU1)TBCU1_brakenotapp = 0.0                                                                  |  | OK | 0      | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10046 | R | Read Defined Variable [TT]<br>(MPU1)tbcu2_brakenotapp = 0.0                                                                  |  | OK | 0      | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |

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| 10047 | R | Read Defined Variable [TT]<br>(MPU1)tbcu3_brakenotapp = 0.0                                                                                                                                                      |  | OK | 0     | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10048 | R | Read Defined Variable [TT]<br>(MPU1)tbcu4_brakenotapp = 0.0                                                                                                                                                      |  | OK | 0     | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10049 | R | Read Defined Variable [TT]<br>(MPU1)BCU2_BrakeNotApp = 0.0                                                                                                                                                       |  | OK | 0     | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10050 | R | Read Defined Variable [TT]<br>(MPU1)bcu1_brakenotapp = 0.0                                                                                                                                                       |  | OK | 0     | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10051 | R | Read Defined Variable [TT]<br>(BCU1)LI_BRAKE_NOT_APPLIED = 0.0                                                                                                                                                   |  | OK | 0     | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10052 | R | Read Defined Variable [TT]<br>(BCU2)LI_BRAKE_NOT_APPLIED = 0.0                                                                                                                                                   |  | OK | 0     | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10053 | R | Check the pressure on the brake pressure<br>gauge on TC1<br>Read Undefined Value : x ()                                                                                                                          |  | OK | 1.637 | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10054 | R | Check the pressure on the brake pressure<br>gauge on TC2<br>Read Undefined Value : x ()                                                                                                                          |  | OK | 8.5   | Celiwe Sokhela<br>491462<br>25.02.2025    | Train |
| 10055 | I | The pressure showed on pressure gauge<br>(driver desk) is the same as the measured<br>on the test point BCTP of the car TC.                                                                                      |  | OK |       | Celiwe Sokhela<br>491462<br>25.02.2025    | Train |
| 10056 | A | Move slowly the master controller from<br>100% BRAKE position to OFF position.<br>Observe the PWM behaviour of the brake<br>cylinder pressure. it may be necessary to<br>repeat the test until you are satisfied |  | OK |       | Celiwe Sokhela<br>491462<br>25.02.2025    | Train |
| 10057 | I | There must not have sudden release of<br>pressure while the master controller is<br>slowly moved to OFF position.                                                                                                |  | OK |       | Celiwe Sokhela<br>491462<br>25.02.2025    | Train |
| 10058 | R | Pressure on BCTP (Car TC) = 0bar (+/-<br>0,2bar)<br>Read Undefined Value : x ()                                                                                                                                  |  | OK | 0     | Celiwe Sokhela<br>491462<br>25.02.2025    | Train |
| 10059 | R | Pressure on SBTP (all M cars) = 0bar (+/-<br>0,2bar)<br>Read Undefined Value : x ()                                                                                                                              |  | OK | 0     | Celiwe Sokhela<br>491462<br>25.02.2025    | Train |
| 10060 | R | Pressure on BCTP (all M cars) = 0bar (+/-<br>0,2bar)<br>Read Undefined Value : x ()                                                                                                                              |  | OK | 0     | Celiwe Sokhela<br>491462<br>25.02.2025    | Train |
| 10061 | R | Pressure on SBTP all TC cars) = 0bar (+/-<br>0,2bar)<br>Read Undefined Value : x ()                                                                                                                              |  | OK | 0     | Celiwe Sokhela<br>491462<br>25.02.2025    | Train |
| 10062 | I | It is necessary to go bogie by bogie to<br>verify that brake pads are not in contact<br>with the wheels                                                                                                          |  | OK |       | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |

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| 10063 | R | Brake discs do not apply pressure on car TC1                |  | OK |   | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10064 | R | Brake discs do not apply pressure on car M4                 |  | OK |   | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10065 | R | Brake discs do not apply pressure on car M1                 |  | OK |   | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10066 | R | Brake discs do not apply pressure on car M2                 |  | OK |   | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10067 | R | Brake discs do not apply pressure on car M3                 |  | OK |   | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10068 | R | Brake discs do not apply pressure on car TC2                |  | OK |   | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10069 | I | Holding Brake                                               |  | OK |   | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10070 | A | Put the master controller on 100% BRAKE position            |  | OK |   | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10071 | R | Read Defined Variable [TT]<br>(MPU1)TBCU1_brakenotapp = 0.0 |  | OK | 0 | Celiwe Sokhela<br>491462<br>25.02.2025    | Train |
| 10072 | R | Read Defined Variable [TT]<br>(MPU1)tbcu2_brakenotapp = 0.0 |  | OK | 0 | Celiwe Sokhela<br>491462<br>25.02.2025    | Train |
| 10073 | R | Read Defined Variable [TT]<br>(MPU1)tbcu3_brakenotapp = 0.0 |  | OK | 0 | Celiwe Sokhela<br>491462<br>25.02.2025    | Train |
| 10074 | R | Read Defined Variable [TT]<br>(MPU1)tbcu4_brakenotapp = 0.0 |  | OK | 0 | Celiwe Sokhela<br>491462<br>25.02.2025    | Train |
| 10075 | R | Read Defined Variable [TT]<br>(MPU1)BCU2_BrakeNotApp = 0.0  |  | OK | 0 | Celiwe Sokhela<br>491462<br>25.02.2025    | Train |
| 10076 | R | Read Defined Variable [TT]<br>(MPU1)bcu1_brakenotapp = 0.0  |  | OK | 0 | Celiwe Sokhela<br>491462<br>25.02.2025    | Train |
| 10077 | R | Read Defined Variable [TT]<br>(MPU1)bcu1_holdbrake = 1.0    |  | OK | 1 | Celiwe Sokhela<br>491462<br>25.02.2025    | Train |
| 10078 | R | Read Defined Variable [TT]<br>(MPU1)BCU2_HoldBrake = 1.0    |  | OK | 1 | Celiwe Sokhela<br>491462<br>25.02.2025    | Train |
| 10079 | R | Read Defined Variable [TT]<br>(MPU1)TBCU1_holdbrake = 1.0   |  | OK | 1 | Celiwe Sokhela<br>491462<br>25.02.2025    | Train |
| 10080 | R | Read Defined Variable [TT]<br>(MPU1)tbcu2_holdbrake = 1.0   |  | OK | 1 | Celiwe Sokhela<br>491462<br>25.02.2025    | Train |



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|-------|---|-------------------------------------------------------------|--|----|---|------------------------------------------|-------|
| 10081 | R | Read Defined Variable [TT]<br>(MPU1)tbcu3_holdbrake = 1.0   |  | OK | 1 | Celiwe Sokhela<br>491462<br>25.02.2025   | Train |
| 10082 | R | Read Defined Variable [TT]<br>(MPU1)tbcu4_holdbrake = 1.0   |  | OK | 1 | Celiwe Sokhela<br>491462<br>25.02.2025   | Train |
| 10083 | A | Put the master controller on OFF position                   |  | OK |   | Celiwe Sokhela<br>491462<br>25.02.2025   | Train |
| 10084 | R | Read Defined Variable [TT]<br>(MPU1)TBCU1_brakenotapp = 1.0 |  | OK | 1 | Celiwe Sokhela<br>491462<br>25.02.2025   | Train |
| 10085 | R | Read Defined Variable [TT]<br>(MPU1)tbcu2_brakenotapp = 1.0 |  | OK | 1 | Celiwe Sokhela<br>491462<br>25.02.2025   | Train |
| 10086 | R | Read Defined Variable [TT]<br>(MPU1)tbcu3_brakenotapp = 1.0 |  | OK | 1 | Celiwe Sokhela<br>491462<br>25.02.2025   | Train |
| 10087 | R | Read Defined Variable [TT]<br>(MPU1)tbcu4_brakenotapp = 1.0 |  | OK | 1 | Celiwe Sokhela<br>491462<br>25.02.2025   | Train |
| 10088 | R | Read Defined Variable [TT]<br>(MPU1)BCU2_BrakeNotApp = 1.0  |  | OK | 1 | Celiwe Sokhela<br>491462<br>25.02.2025   | Train |
| 10089 | R | Read Defined Variable [TT]<br>(MPU1)bcu1_brakenotapp = 1.0  |  | OK | 1 | Celiwe Sokhela<br>491462<br>25.02.2025   | Train |
| 10090 | R | Read Defined Variable [TT]<br>(MPU1)bcu1_holdbrake = 0.0    |  | OK | 0 | Tebogo Mtombeni<br>529938<br>23.02.2025  | Train |
| 10091 | R | Read Defined Variable [TT]<br>(MPU1)BCU2_HoldBrake = 0.0    |  | OK | 0 | Tebogo Mtombeni<br>529938<br>23.02.2025  | Train |
| 10092 | R | Read Defined Variable [TT]<br>(MPU1)TBCU1_holdbrake = 0.0   |  | OK | 0 | Tebogo Mtombeni<br>529938<br>23.02.2025  | Train |
| 10093 | R | Read Defined Variable [TT]<br>(MPU1)tbcu2_holdbrake = 0.0   |  | OK | 0 | Tebogo Mtombeni<br>529938<br>23.02.2025  | Train |
| 10094 | R | Read Defined Variable [TT]<br>(MPU1)tbcu3_holdbrake = 0.0   |  | OK | 0 | Tebogo Mtombeni<br>529938<br>23.02.2025  | Train |
| 10095 | R | Read Defined Variable [TT]<br>(MPU1)tbcu4_holdbrake = 0.0   |  | OK | 0 | Tebogo Mtombeni<br>529938<br>23.02.2025  | Train |
| 10096 | A | Put the driving mode switch 30S1 to<br>EFFORT position      |  | OK |   | Siphehile Mchunu<br>491465<br>22.02.2025 | Train |
| 10097 | A | Put the master controller on 100% BRAKE<br>position         |  | OK |   | Siphehile Mchunu<br>491465<br>22.02.2025 | Train |
| 10098 | R | Read Defined Variable [TT]<br>(MPU1)TBCU1_brakenotapp = 0.0 |  | OK | 0 | Siphehile Mchunu<br>491465<br>22.02.2025 | Train |

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|-------|---|-------------------------------------------------------------|----|---|------------------------------------------|-------|
| 10099 | R | Read Defined Variable [TT]<br>(MPU1)tbcu2_brakenotapp = 0.0 | OK | 0 | Siphehile Mchunu<br>491465<br>22.02.2025 | Train |
| 10100 | R | Read Defined Variable [TT]<br>(MPU1)tbcu3_brakenotapp = 0.0 | OK | 0 | Siphehile Mchunu<br>491465<br>22.02.2025 | Train |
| 10101 | R | Read Defined Variable [TT]<br>(MPU1)tbcu4_brakenotapp = 0.0 | OK | 0 | Siphehile Mchunu<br>491465<br>22.02.2025 | Train |
| 10102 | R | Read Defined Variable [TT]<br>(MPU1)BCU2_BrakeNotApp = 0.0  | OK | 0 | Siphehile Mchunu<br>491465<br>22.02.2025 | Train |
| 10103 | R | Read Defined Variable [TT]<br>(MPU1)bcu1_brakenotapp = 0.0  | OK | 0 | Siphehile Mchunu<br>491465<br>22.02.2025 | Train |
| 10104 | R | Read Defined Variable [TT]<br>(MPU1)bcu1_holdbrake = 1.0    | OK | 1 | Siphehile Mchunu<br>491465<br>22.02.2025 | Train |
| 10105 | R | Read Defined Variable [TT]<br>(MPU1)BCU2_HoldBrake = 1.0    | OK | 1 | Siphehile Mchunu<br>491465<br>22.02.2025 | Train |
| 10106 | R | Read Defined Variable [TT]<br>(MPU1)TBCU1_holdbrake = 1.0   | OK | 1 | Siphehile Mchunu<br>491465<br>22.02.2025 | Train |
| 10107 | R | Read Defined Variable [TT]<br>(MPU1)tbcu2_holdbrake = 1.0   | OK | 1 | Siphehile Mchunu<br>491465<br>22.02.2025 | Train |
| 10108 | R | Read Defined Variable [TT]<br>(MPU1)tbcu3_holdbrake = 1.0   | OK | 1 | Siphehile Mchunu<br>491465<br>22.02.2025 | Train |
| 10109 | R | Read Defined Variable [TT]<br>(MPU1)tbcu4_holdbrake = 1.0   | OK | 1 | Siphehile Mchunu<br>491465<br>22.02.2025 | Train |
| 10110 | A | Position the master controller on OFF position              | OK |   | Siphehile Mchunu<br>491465<br>22.02.2025 | Train |
| 10111 | R | Read Defined Variable [TT]<br>(MPU1)TBCU1_brakenotapp = 0.0 | OK | 0 | Siphehile Mchunu<br>491465<br>22.02.2025 | Train |
| 10112 | R | Read Defined Variable [TT]<br>(MPU1)tbcu2_brakenotapp = 0.0 | OK | 0 | Siphehile Mchunu<br>491465<br>22.02.2025 | Train |
| 10113 | R | Read Defined Variable [TT]<br>(MPU1)tbcu3_brakenotapp = 0.0 | OK | 0 | Siphehile Mchunu<br>491465<br>22.02.2025 | Train |
| 10114 | R | Read Defined Variable [TT]<br>(MPU1)tbcu4_brakenotapp = 0.0 | OK | 0 | Siphehile Mchunu<br>491465<br>22.02.2025 | Train |
| 10115 | R | Read Defined Variable [TT]<br>(MPU1)BCU2_BrakeNotApp = 0.0  | OK | 0 | Siphehile Mchunu<br>491465<br>22.02.2025 | Train |
| 10116 | R | Read Defined Variable [TT]<br>(MPU1)bcu1_brakenotapp = 0.0  | OK | 0 | Siphehile Mchunu<br>491465<br>22.02.2025 | Train |

|       |   |                                                             |    |   |                                          |       |
|-------|---|-------------------------------------------------------------|----|---|------------------------------------------|-------|
| 10117 | R | Read Defined Variable [TT]<br>(MPU1)bcu1_holdbrake = 1.0    | OK | 1 | Siphehile Mchunu<br>491465<br>22.02.2025 | Train |
| 10118 | R | Read Defined Variable [TT]<br>(MPU1)BCU2_HoldBrake = 1.0    | OK | 1 | Siphehile Mchunu<br>491465<br>22.02.2025 | Train |
| 10119 | R | Read Defined Variable [TT]<br>(MPU1)TBCU1_holdbrake = 1.0   | OK | 1 | Siphehile Mchunu<br>491465<br>22.02.2025 | Train |
| 10120 | R | Read Defined Variable [TT]<br>(MPU1)tbcu2_holdbrake = 1.0   | OK | 1 | Siphehile Mchunu<br>491465<br>22.02.2025 | Train |
| 10121 | R | Read Defined Variable [TT]<br>(MPU1)tbcu3_holdbrake = 1.0   | OK | 1 | Siphehile Mchunu<br>491465<br>22.02.2025 | Train |
| 10122 | R | Read Defined Variable [TT]<br>(MPU1)tbcu4_holdbrake = 1.0   | OK | 1 | Siphehile Mchunu<br>491465<br>22.02.2025 | Train |
| 10123 | A | Position the driving mode switch 30S1 to<br>DEPOT position  | OK |   | Siphehile Mchunu<br>491465<br>22.02.2025 | Train |
| 10124 | A | Position the master controller on 100%<br>BRAKE position    | OK |   | Siphehile Mchunu<br>491465<br>22.02.2025 | Train |
| 10125 | R | Read Defined Variable [TT]<br>(MPU1)TBCU1_brakenotapp = 0.0 | OK | 0 | Siphehile Mchunu<br>491465<br>22.02.2025 | Train |
| 10126 | R | Read Defined Variable [TT]<br>(MPU1)tbcu2_brakenotapp = 0.0 | OK | 0 | Siphehile Mchunu<br>491465<br>22.02.2025 | Train |
| 10127 | R | Read Defined Variable [TT]<br>(MPU1)tbcu3_brakenotapp = 0.0 | OK | 0 | Siphehile Mchunu<br>491465<br>22.02.2025 | Train |
| 10128 | R | Read Defined Variable [TT]<br>(MPU1)tbcu4_brakenotapp = 0.0 | OK | 0 | Siphehile Mchunu<br>491465<br>22.02.2025 | Train |
| 10129 | R | Read Defined Variable [TT]<br>(MPU1)BCU2_BrakeNotApp = 0.0  | OK | 0 | Siphehile Mchunu<br>491465<br>22.02.2025 | Train |
| 10130 | R | Read Defined Variable [TT]<br>(MPU1)bcu1_brakenotapp = 0.0  | OK | 0 | Siphehile Mchunu<br>491465<br>22.02.2025 | Train |
| 10131 | R | Read Defined Variable [TT]<br>(MPU1)bcu1_holdbrake = 1.0    | OK | 1 | Siphehile Mchunu<br>491465<br>22.02.2025 | Train |
| 10132 | R | Read Defined Variable [TT]<br>(MPU1)BCU2_HoldBrake = 1.0    | OK | 1 | Siphehile Mchunu<br>491465<br>22.02.2025 | Train |
| 10133 | R | Read Defined Variable [TT]<br>(MPU1)TBCU1_holdbrake = 1.0   | OK | 1 | Siphehile Mchunu<br>491465<br>22.02.2025 | Train |
| 10134 | R | Read Defined Variable [TT]<br>(MPU1)tbcu2_holdbrake = 1.0   | OK | 1 | Siphehile Mchunu<br>491465<br>22.02.2025 | Train |

|       |   |                                                                 |    |   |                                           |       |
|-------|---|-----------------------------------------------------------------|----|---|-------------------------------------------|-------|
| 10135 | R | Read Defined Variable [TT]<br>(MPU1)tbcu3_holdbrake = 1.0       | OK | 1 | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10136 | R | Read Defined Variable [TT]<br>(MPU1)tbcu4_holdbrake = 1.0       | OK | 1 | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10137 | A | Position the master controller on OFF position                  | OK |   | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10138 | R | Read Defined Variable [TT]<br>(MPU1)BCU2_BrakeNotApp = 0.0      | OK | 0 | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10139 | R | Read Defined Variable [TT]<br>(MPU1)bcu1_holdbrake = 1.0        | OK | 1 | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10140 | R | Read Defined Variable [TT]<br>(MPU1)BCU2_HoldBrake = 1.0        | OK | 1 | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10141 | R | Read Defined Variable [TT]<br>(MPU1)TBCU1_holdbrake = 1.0       | OK | 1 | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10142 | R | Read Defined Variable [TT]<br>(BCU2)LI_BRAKE_NOT_APPLIED = 0.0  | OK | 0 | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10143 | R | Read Defined Variable [TT]<br>(TBCU1)LI_BRAKE_NOT_APPLIED = 0.0 | OK | 0 | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10144 | R | Read Defined Variable [TT]<br>(MPU1)tbcu2_holdbrake = 1.0       | OK | 1 | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10145 | R | Read Defined Variable [TT]<br>(TBCU2)LI_BRAKE_NOT_APPLIED = 0.0 | OK | 0 | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10146 | R | Read Defined Variable [TT]<br>(TBCU3)LI_BRAKE_NOT_APPLIED = 0.0 | OK | 0 | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10147 | R | Read Defined Variable [TT]<br>(TBCU4)LI_BRAKE_NOT_APPLIED = 0.0 | OK | 0 | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10148 | R | Read Defined Variable [TT]<br>(MPU1)tbcu3_holdbrake = 1.0       | OK | 1 | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10149 | R | Read Defined Variable [TT]<br>(MPU1)tbcu4_holdbrake = 1.0       | OK | 1 | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10150 | A | Return the driving mode switch 30S1 to COUPLE / WASH position   | OK |   | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10151 | A | Position the master controller in 100% BRAKE position           | OK |   | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10152 | I | Brake isolation through the isolation cock                      | OK |   | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10153 | I | TC1 service brake manual isolation                              | OK |   | Siphesihle Mchunu<br>491465               | Train |

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|-------|---|-----------------------------------------------------------------|--|----|---|-------------------------------------------|-------|
|       |   |                                                                 |  |    |   | 22.02.2025                                |       |
| 10154 | A | Close the isolation cock C1.3.1                                 |  | OK |   | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10155 | R | Lamp 40HZ is ON on the alarm mode for EB reduced                |  | OK |   | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10156 | R | Read Defined Variable [TT]<br>(BCU1)LI_BRAKE_NOT_APPLIED = 1.0  |  | OK | 1 | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10157 | A | Put the manometer test point to BCTP                            |  | OK |   | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10158 | R | Pressure on BCTP decreases slowly until it reaches +/- 0.2 bar  |  | OK |   | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10159 | R | Brake discs are not in contact with wheels on TC1 bogies        |  | OK |   | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10160 | R | Read Defined Variable [TT]<br>(MPU1)bcu1_servbrakeisoldc = 1.0  |  | OK | 1 | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10161 | R | Read Defined Variable [TT]<br>(MPU1)BCU2_ServBrakeisoldc = 0.0  |  | OK | 0 | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10162 | R | Read Defined Variable [TT]<br>(MPU1)TBCU1_servbrakeisoldc = 0.0 |  | OK | 0 | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10163 | R | Read Defined Variable [TT]<br>(BCU2)LI_BRAKE_NOT_APPLIED = 0.0  |  | OK | 0 | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10164 | R | Read Defined Variable [TT]<br>(TBCU1)LI_BRAKE_NOT_APPLIED = 0.0 |  | OK | 0 | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10165 | R | Read Defined Variable [TT]<br>(BCU1)LI_BRAKE_NOT_APPLIED = 1.0  |  | OK | 1 | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10166 | R | Read Defined Variable [TT]<br>(TBCU2)LI_BRAKE_NOT_APPLIED = 0.0 |  | OK | 0 | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10167 | R | Read Defined Variable [TT]<br>(TBCU3)LI_BRAKE_NOT_APPLIED = 0.0 |  | OK | 0 | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10168 | R | Read Defined Variable [TT]<br>(TBCU4)LI_BRAKE_NOT_APPLIED = 0.0 |  | OK | 0 | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10169 | R | Read Defined Variable [TT]<br>(MPU1)tbcu2_servbrakeisoldc = 0.0 |  | OK | 0 | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10170 | R | Read Defined Variable [TT]<br>(MPU1)tbcu3_servbrakeisoldc = 0.0 |  | OK | 0 | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10171 | R | Read Defined Variable [TT]<br>(MPU1)tbcu4_servbrakeisoldc = 0.0 |  | OK | 0 | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |

|       |   |                                                                                                                                                  |    |   |                                          |       |
|-------|---|--------------------------------------------------------------------------------------------------------------------------------------------------|----|---|------------------------------------------|-------|
| 10172 | R | Read Defined Variable [TT]<br>(MPU1)li_sbk_tc1servicebrakedc = 1.0                                                                               | OK | 1 | Siphehile Mchunu<br>491465<br>22.02.2025 | Train |
| 10173 | R | Read Defined Variable [TT]<br>(MPU1)li_sbk_m1servicebrakedc = 0.0                                                                                | OK | 0 | Siphehile Mchunu<br>491465<br>22.02.2025 | Train |
| 10174 | R | Read Defined Variable [TT]<br>(MPU1)li_sbk_m2servicebrakedc = 0.0                                                                                | OK | 0 | Siphehile Mchunu<br>491465<br>22.02.2025 | Train |
| 10175 | R | Read Defined Variable [TT]<br>(MPU1)li_sbk_m3servicebrakedc = 0.0                                                                                | OK | 0 | Siphehile Mchunu<br>491465<br>22.02.2025 | Train |
| 10176 | R | Read Defined Variable [TT]<br>(MPU1)li_sbk_m4servicebrakedc = 0.0                                                                                | OK | 0 | Siphehile Mchunu<br>491465<br>22.02.2025 | Train |
| 10177 | R | Read Defined Variable [TT]<br>(MPU1)li_sbk_tc2servicebrakedc = 0.0                                                                               | OK | 0 | Siphehile Mchunu<br>491465<br>22.02.2025 | Train |
| 10178 | R | Read Defined Variable [TT]<br>(MPU1)TBCU1_brakenotapp = 0.0                                                                                      | OK | 0 | Siphehile Mchunu<br>491465<br>22.02.2025 | Train |
| 10179 | R | Read Defined Variable [TT]<br>(MPU1)tbcu2_brakenotapp = 0.0                                                                                      | OK | 0 | Siphehile Mchunu<br>491465<br>22.02.2025 | Train |
| 10180 | R | Read Defined Variable [TT]<br>(MPU1)tbcu3_brakenotapp = 0.0                                                                                      | OK | 0 | Siphehile Mchunu<br>491465<br>22.02.2025 | Train |
| 10181 | R | Read Defined Variable [TT]<br>(MPU1)tbcu4_brakenotapp = 0.0                                                                                      | OK | 0 | Siphehile Mchunu<br>491465<br>22.02.2025 | Train |
| 10182 | R | Read Defined Variable [TT]<br>(MPU1)BCU2_BrakeNotApp = 0.0                                                                                       | OK | 0 | Siphehile Mchunu<br>491465<br>22.02.2025 | Train |
| 10183 | R | Read Defined Variable [TT]<br>(MPU1)bcu1_brakenotapp = 1.0                                                                                       | OK | 1 | Siphehile Mchunu<br>491465<br>22.02.2025 | Train |
| 10184 | A | Open the isolation cock C1.3.1                                                                                                                   | OK |   | Siphehile Mchunu<br>491465<br>22.02.2025 | Train |
| 10185 | R | Lamp 40H2 is OFF on the alarm mode for EB reduced                                                                                                | OK |   | Siphehile Mchunu<br>491465<br>22.02.2025 | Train |
| 10186 | R | Read Defined Variable [TT]<br>(BCU1)LI_BRAKE_NOT_APPLIED = 0.0                                                                                   | OK | 0 | Siphehile Mchunu<br>491465<br>22.02.2025 | Train |
| 10187 | R | Pressure measured on test point BCTP increases slowly (brake reservoir) until service brake pressure in TC1 until it reaches 1,47bar (+/-0,2bar) | OK |   | Siphehile Mchunu<br>491465<br>22.02.2025 | Train |
| 10188 | R | Brake discs are in contact with wheels on TC1 bogies                                                                                             | OK |   | Siphehile Mchunu<br>491465<br>22.02.2025 | Train |
| 10189 | R | Read Defined Variable [TT]<br>(MPU1)bcu1_servbrakeisoldc = 0.0                                                                                   | OK | 0 | Siphehile Mchunu<br>491465<br>22.02.2025 | Train |

|       |   |                                                                    |    |   |                                           |       |
|-------|---|--------------------------------------------------------------------|----|---|-------------------------------------------|-------|
| 10190 | R | Read Defined Variable [TT]<br>(MPU1)BCU2_ServBrakeIsolDC = 0.0     | OK | 0 | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10191 | R | Read Defined Variable [TT]<br>(MPU1)TBCU1_servbrakeisoldc = 0.0    | OK | 0 | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10192 | R | Read Defined Variable [TT]<br>(MPU1)tbcu2_servbrakeisoldc = 0.0    | OK | 0 | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10193 | R | Read Defined Variable [TT]<br>(MPU1)tbcu3_servbrakeisoldc = 0.0    | OK | 0 | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10194 | R | Read Defined Variable [TT]<br>(MPU1)tbcu4_servbrakeisoldc = 0.0    | OK | 0 | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10195 | R | Read Defined Variable [TT]<br>(MPU1)li_sbk_tc1servicebrakedc = 0.0 | OK | 0 | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10196 | R | Read Defined Variable [TT]<br>(MPU1)li_sbk_m1servicebrakedc = 0.0  | OK | 0 | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10197 | R | Read Defined Variable [TT]<br>(MPU1)li_sbk_m2servicebrakedc = 0.0  | OK | 0 | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10198 | R | Read Defined Variable [TT]<br>(MPU1)li_sbk_m3servicebrakedc = 0.0  | OK | 0 | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10199 | R | Read Defined Variable [TT]<br>(MPU1)li_sbk_m4servicebrakedc = 0.0  | OK | 0 | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10200 | R | Read Defined Variable [TT]<br>(MPU1)li_sbk_tc2servicebrakedc = 0.0 | OK | 0 | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10201 | R | Read Defined Variable [TT]<br>(MPU1)TBCU1_brakenotapp = 0.0        | OK | 0 | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10202 | R | Read Defined Variable [TT]<br>(MPU1)tbcu2_brakenotapp = 0.0        | OK | 0 | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10203 | R | Read Defined Variable [TT]<br>(MPU1)tbcu3_brakenotapp = 0.0        | OK | 0 | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10204 | R | Read Defined Variable [TT]<br>(MPU1)tbcu4_brakenotapp = 0.0        | OK | 0 | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10205 | R | Read Defined Variable [TT]<br>(MPU1)BCU2_BrakeNotApp = 0.0         | OK | 0 | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10206 | R | Read Defined Variable [TT]<br>(MPU1)bcu1_brakenotapp = 0.0         | OK | 0 | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10207 | A | Remove manometer on TC1 BCTP point                                 | OK |   | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10208 | I | M4 service brake manual isolation                                  | OK |   | Siphesihle Mchunu<br>491465               | Train |

|       |   |                                                                                                                                     |  |    |   |                                           |       |
|-------|---|-------------------------------------------------------------------------------------------------------------------------------------|--|----|---|-------------------------------------------|-------|
|       |   |                                                                                                                                     |  |    |   | 22.02.2025                                |       |
| 10209 | A | Close the isolation cock C2.3.1                                                                                                     |  | OK |   | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10210 | R | Message on DDU warning the maintenance/driver for repair at the end of the day. IOS 886: "Mechanical Brake manually isolated on M4" |  | OK |   | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10211 | R | Lamp 40H2 is "ON" on the alarm mode for EB reduced                                                                                  |  | OK |   | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10212 | A | Put manometer on M4 BCTP point                                                                                                      |  | OK |   | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10213 | R | Pressure measured on test point BCTP decreases slowly until 0 bar (+/-0,2bar)                                                       |  | OK |   | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10214 | R | Brake discs are not in contact with wheels on M4 bogies                                                                             |  | OK |   | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10215 | R | Read Defined Variable [TT]<br>(MPU1)bcu1_servbrakeisoldc = 0.0                                                                      |  | OK | 0 | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10216 | R | Read Defined Variable [TT]<br>(MPU1)BCU2_ServBrakeIsolDC = 0.0                                                                      |  | OK | 0 | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10217 | R | Read Defined Variable [TT]<br>(MPU1)TBCU1_servbrakeisoldc = 0.0                                                                     |  | OK | 0 | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10218 | R | Read Defined Variable [TT]<br>(MPU1)tbcu2_servbrakeisoldc = 0.0                                                                     |  | OK | 0 | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10219 | R | Read Defined Variable [TT]<br>(MPU1)tbcu3_servbrakeisoldc = 0.0                                                                     |  | OK | 0 | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10220 | R | Read Defined Variable [TT]<br>(MPU1)tbcu4_servbrakeisoldc = 1.0                                                                     |  | OK | 1 | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10221 | R | Read Defined Variable [TT]<br>(MPU1)li_sbk_tc1servicebrakedc = 0.0                                                                  |  | OK | 0 | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10222 | R | Read Defined Variable [TT]<br>(MPU1)li_sbk_m1servicebrakedc = 0.0                                                                   |  | OK | 0 | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10223 | R | Read Defined Variable [TT]<br>(MPU1)li_sbk_m2servicebrakedc = 0.0                                                                   |  | OK | 0 | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10224 | R | Read Defined Variable [TT]<br>(MPU1)li_sbk_m3servicebrakedc = 0.0                                                                   |  | OK | 0 | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10225 | R | Read Defined Variable [TT]<br>(MPU1)li_sbk_m4servicebrakedc = 1.0                                                                   |  | OK | 1 | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |



|       |   |                                                                                                                                            |    |   |                                           |       |
|-------|---|--------------------------------------------------------------------------------------------------------------------------------------------|----|---|-------------------------------------------|-------|
| 10226 | R | Read Defined Variable [TT]<br>(MPU1)li_sbk_tc2servicebrakedc = 0.0                                                                         | OK | 0 | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10227 | R | Read Defined Variable [TT]<br>(MPU1)TBCU1_brakenotapp = 0.0                                                                                | OK | 0 | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10228 | R | Read Defined Variable [TT]<br>(MPU1)tbcu2_brakenotapp = 0.0                                                                                | OK | 0 | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10229 | R | Read Defined Variable [TT]<br>(MPU1)tbcu3_brakenotapp = 0.0                                                                                | OK | 0 | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10230 | R | Read Defined Variable [TT]<br>(MPU1)tbcu4_brakenotapp = 1.0                                                                                | OK | 1 | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10231 | R | Read Defined Variable [TT]<br>(MPU1)BCU2_BrakeNotApp = 0.0                                                                                 | OK | 0 | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10232 | R | Read Defined Variable [TT]<br>(MPU1)bcu1_brakenotapp = 0.0                                                                                 | OK | 0 | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10233 | A | Open the isolation cock C2.3.1                                                                                                             | OK |   | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10234 | R | Lamp 40H2 is OFF for EB reduced on the alarm module                                                                                        | OK |   | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10235 | R | Pressure measured on test point BCTP increases slowly (brake reservoir) until service brake pressure in M4 car reaches 1,49bar (+/-0,2bar) | OK |   | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10236 | R | Brake discs are in contact with wheels on M4 bogies                                                                                        | OK |   | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10237 | R | Read Defined Variable [TT]<br>(MPU1)bcu1_servbrakeisoldc = 0.0                                                                             | OK | 0 | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10238 | R | Read Defined Variable [TT]<br>(MPU1)BCU2_ServBrakeIsolDC = 0.0                                                                             | OK | 0 | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10239 | R | Read Defined Variable [TT]<br>(MPU1)TBCU1_servbrakeisoldc = 0.0                                                                            | OK | 0 | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10240 | R | Read Defined Variable [TT]<br>(MPU1)tbcu2_servbrakeisoldc = 0.0                                                                            | OK | 0 | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10241 | R | Read Defined Variable [TT]<br>(MPU1)tbcu3_servbrakeisoldc = 0.0                                                                            | OK | 0 | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10242 | R | Read Defined Variable [TT]<br>(MPU1)tbcu4_servbrakeisoldc = 0.0                                                                            | OK | 0 | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10243 | R | Read Defined Variable [TT]<br>(MPU1)li_sbk_tc1servicebrakedc = 0.0                                                                         | OK | 0 | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |

|       |   |                                                                                                                                     |  |    |   |                                           |       |
|-------|---|-------------------------------------------------------------------------------------------------------------------------------------|--|----|---|-------------------------------------------|-------|
| 10244 | R | Read Defined Variable [TT]<br>(MPU1)li_sbk_m1servicebrakedc = 0.0                                                                   |  | OK | 0 | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10245 | R | Read Defined Variable [TT]<br>(MPU1)li_sbk_m2servicebrakedc = 0.0                                                                   |  | OK | 0 | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10246 | R | Read Defined Variable [TT]<br>(MPU1)li_sbk_m3servicebrakedc = 0.0                                                                   |  | OK | 0 | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10247 | R | Read Defined Variable [TT]<br>(MPU1)li_sbk_m4servicebrakedc = 0.0                                                                   |  | OK | 0 | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10248 | R | Read Defined Variable [TT]<br>(MPU1)li_sbk_tc2servicebrakedc = 0.0                                                                  |  | OK | 0 | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10249 | R | Read Defined Variable [TT]<br>(MPU1)TBCU1_brakenotapp = 0.0                                                                         |  | OK | 0 | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10250 | R | Read Defined Variable [TT]<br>(MPU1)tbcu2_brakenotapp = 0.0                                                                         |  | OK | 0 | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10251 | R | Read Defined Variable [TT]<br>(MPU1)tbcu3_brakenotapp = 0.0                                                                         |  | OK | 0 | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10252 | R | Read Defined Variable [TT]<br>(MPU1)tbcu4_brakenotapp = 0.0                                                                         |  | OK | 0 | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10253 | R | Read Defined Variable [TT]<br>(MPU1)BCU2_BrakeNotApp = 0.0                                                                          |  | OK | 0 | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10254 | R | Read Defined Variable [TT]<br>(MPU1)bcu1_brakenotapp = 0.0                                                                          |  | OK | 0 | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10255 | A | Remove manometer on M4 BCTP point                                                                                                   |  | OK |   | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10256 | I | M1 service brake manual isolation                                                                                                   |  | OK |   | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10257 | A | Close the isolation cock C2.3.1                                                                                                     |  | OK |   | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10258 | R | Message on DDU warning the maintenance/driver for repair at the end of the day. IOS 883: "Mechanical Brake manually isolated on M1" |  | OK |   | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10259 | R | Lamp 40H2 is ON for EB reduced on the alarm module                                                                                  |  | OK |   | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10260 | A | Put manometer on M1 BCTP point                                                                                                      |  | OK |   | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10261 | R | Pressure measured on test point BCTP decreases slowly (drain the brake                                                              |  | OK |   | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |

|       |   |                                                                    |    |   |  |                                          |       |
|-------|---|--------------------------------------------------------------------|----|---|--|------------------------------------------|-------|
|       |   | reservoir) until 0bar (+/-0,2bar)                                  |    |   |  |                                          |       |
| 10262 | R | Brake discs are not in contact with wheels on M1 bogies            | OK |   |  | Siphehile Mchunu<br>491465<br>22.02.2025 | Train |
| 10263 | R | Read Defined Variable [TT]<br>(MPU1)bcu1_servbrakeisoldc = 0.0     | OK | 0 |  | Siphehile Mchunu<br>491465<br>22.02.2025 | Train |
| 10264 | R | Read Defined Variable [TT]<br>(MPU1)BCU2_ServBrakeisoldc = 0.0     | OK | 0 |  | Siphehile Mchunu<br>491465<br>22.02.2025 | Train |
| 10265 | R | Read Defined Variable [TT]<br>(MPU1)TBCU1_servbrakeisoldc = 1.0    | OK | 1 |  | Siphehile Mchunu<br>491465<br>22.02.2025 | Train |
| 10266 | R | Read Defined Variable [TT]<br>(MPU1)tbcu2_servbrakeisoldc = 0.0    | OK | 0 |  | Siphehile Mchunu<br>491465<br>22.02.2025 | Train |
| 10267 | R | Read Defined Variable [TT]<br>(MPU1)tbcu3_servbrakeisoldc = 0.0    | OK | 0 |  | Siphehile Mchunu<br>491465<br>22.02.2025 | Train |
| 10268 | R | Read Defined Variable [TT]<br>(MPU1)tbcu4_servbrakeisoldc = 0.0    | OK | 0 |  | Siphehile Mchunu<br>491465<br>22.02.2025 | Train |
| 10269 | R | Read Defined Variable [TT]<br>(MPU1)li_sbk_tc1servicebrakedc = 0.0 | OK | 0 |  | Siphehile Mchunu<br>491465<br>22.02.2025 | Train |
| 10270 | R | Read Defined Variable [TT]<br>(MPU1)li_sbk_m1servicebrakedc = 1.0  | OK | 1 |  | Siphehile Mchunu<br>491465<br>22.02.2025 | Train |
| 10271 | R | Read Defined Variable [TT]<br>(MPU1)li_sbk_m2servicebrakedc = 0.0  | OK | 0 |  | Siphehile Mchunu<br>491465<br>22.02.2025 | Train |
| 10272 | R | Read Defined Variable [TT]<br>(MPU1)li_sbk_m3servicebrakedc = 0.0  | OK | 0 |  | Siphehile Mchunu<br>491465<br>22.02.2025 | Train |
| 10273 | R | Read Defined Variable [TT]<br>(MPU1)li_sbk_m4servicebrakedc = 0.0  | OK | 0 |  | Siphehile Mchunu<br>491465<br>22.02.2025 | Train |
| 10274 | R | Read Defined Variable [TT]<br>(MPU1)li_sbk_tc2servicebrakedc = 0.0 | OK | 0 |  | Siphehile Mchunu<br>491465<br>22.02.2025 | Train |
| 10275 | R | Read Defined Variable [TT]<br>(MPU1)TBCU1_brakenotapp = 1.0        | OK | 1 |  | Siphehile Mchunu<br>491465<br>22.02.2025 | Train |
| 10276 | R | Read Defined Variable [TT]<br>(MPU1)tbcu2_brakenotapp = 0.0        | OK | 0 |  | Siphehile Mchunu<br>491465<br>22.02.2025 | Train |
| 10277 | R | Read Defined Variable [TT]<br>(MPU1)tbcu3_brakenotapp = 0.0        | OK | 0 |  | Siphehile Mchunu<br>491465<br>22.02.2025 | Train |
| 10278 | R | Read Defined Variable [TT]<br>(MPU1)tbcu4_brakenotapp = 0.0        | OK | 0 |  | Siphehile Mchunu<br>491465<br>22.02.2025 | Train |
| 10279 | R | Read Defined Variable [TT]<br>(MPU1)BCU2_BrakeNotApp = 0.0         | OK | 0 |  | Siphehile Mchunu<br>491465<br>22.02.2025 | Train |

|       |   |                                                                                                                                            |    |   |                                          |       |
|-------|---|--------------------------------------------------------------------------------------------------------------------------------------------|----|---|------------------------------------------|-------|
| 10280 | R | Read Defined Variable [TT]<br>(MPU1)bcu1_brakenotapp = 0.0                                                                                 | OK | 0 | Siphehile Mchunu<br>491465<br>22.02.2025 | Train |
| 10281 | A | Open the isolation cock C2.3.1                                                                                                             | OK |   | Siphehile Mchunu<br>491465<br>22.02.2025 | Train |
| 10282 | R | Lamp 40H2 is OFF for EB reduced on the alarm module                                                                                        | OK |   | Siphehile Mchunu<br>491465<br>22.02.2025 | Train |
| 10283 | R | Pressure measured on test point BCTP increases slowly (brake reservoir) until service brake pressure in M1 car reaches 1,49bar (+/-0,2bar) | OK |   | Siphehile Mchunu<br>491465<br>22.02.2025 | Train |
| 10284 | R | Brake discs are in contact with wheels on M1 bogies                                                                                        | OK |   | Siphehile Mchunu<br>491465<br>22.02.2025 | Train |
| 10285 | R | Read Defined Variable [TT]<br>(MPU1)bcu1_servbrakeisoldc = 0.0                                                                             | OK | 0 | Siphehile Mchunu<br>491465<br>22.02.2025 | Train |
| 10286 | R | Read Defined Variable [TT]<br>(MPU1)BCU2_ServBrakeIsolDC = 0.0                                                                             | OK | 0 | Siphehile Mchunu<br>491465<br>22.02.2025 | Train |
| 10287 | R | Read Defined Variable [TT]<br>(MPU1)TBCU1_servbrakeisoldc = 0.0                                                                            | OK | 0 | Siphehile Mchunu<br>491465<br>22.02.2025 | Train |
| 10288 | R | Read Defined Variable [TT]<br>(MPU1)tbcu2_servbrakeisoldc = 0.0                                                                            | OK | 0 | Siphehile Mchunu<br>491465<br>22.02.2025 | Train |
| 10289 | R | Read Defined Variable [TT]<br>(MPU1)tbcu3_servbrakeisoldc = 0.0                                                                            | OK | 0 | Siphehile Mchunu<br>491465<br>22.02.2025 | Train |
| 10290 | R | Read Defined Variable [TT]<br>(MPU1)tbcu4_servbrakeisoldc = 0.0                                                                            | OK | 0 | Siphehile Mchunu<br>491465<br>22.02.2025 | Train |
| 10291 | R | Read Defined Variable [TT]<br>(MPU1)li_sbk_tc1servicebrakedc = 0.0                                                                         | OK | 0 | Siphehile Mchunu<br>491465<br>22.02.2025 | Train |
| 10292 | R | Read Defined Variable [TT]<br>(MPU1)li_sbk_m1servicebrakedc = 0.0                                                                          | OK | 0 | Siphehile Mchunu<br>491465<br>22.02.2025 | Train |
| 10293 | R | Read Defined Variable [TT]<br>(MPU1)li_sbk_m2servicebrakedc = 0.0                                                                          | OK | 0 | Siphehile Mchunu<br>491465<br>22.02.2025 | Train |
| 10294 | R | Read Defined Variable [TT]<br>(MPU1)li_sbk_m2servicebrakedc = 0.0                                                                          | OK | 0 | Siphehile Mchunu<br>491465<br>22.02.2025 | Train |
| 10295 | R | Read Defined Variable [TT]<br>(MPU1)li_sbk_m3servicebrakedc = 0.0                                                                          | OK | 0 | Siphehile Mchunu<br>491465<br>22.02.2025 | Train |
| 10296 | R | Read Defined Variable [TT]<br>(MPU1)li_sbk_m4servicebrakedc = 0.0                                                                          | OK | 0 | Siphehile Mchunu<br>491465<br>22.02.2025 | Train |
| 10297 | R | Read Defined Variable [TT]<br>(MPU1)li_sbk_tc2servicebrakedc = 0.0                                                                         | OK | 0 | Siphehile Mchunu<br>491465<br>22.02.2025 | Train |

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|-------|---|----------------------------------------------------------------------------------------------------------|----|---|------------------------------------------|-------|
| 10298 | R | Read Defined Variable [TT]<br>(MPU1)TBCU1_brakenotapp = 0.0                                              | OK | 0 | Siphehile Mchunu<br>491465<br>22.02.2025 | Train |
| 10299 | R | Read Defined Variable [TT]<br>(MPU1)tbcu2_brakenotapp = 0.0                                              | OK | 0 | Siphehile Mchunu<br>491465<br>22.02.2025 | Train |
| 10300 | R | Read Defined Variable [TT]<br>(MPU1)tbcu3_brakenotapp = 0.0                                              | OK | 0 | Siphehile Mchunu<br>491465<br>22.02.2025 | Train |
| 10301 | R | Read Defined Variable [TT]<br>(MPU1)tbcu4_brakenotapp = 0.0                                              | OK | 0 | Siphehile Mchunu<br>491465<br>22.02.2025 | Train |
| 10302 | R | Read Defined Variable [TT]<br>(MPU1)BCU2_BrakeNotApp = 0.0                                               | OK | 0 | Siphehile Mchunu<br>491465<br>22.02.2025 | Train |
| 10303 | R | Read Defined Variable [TT]<br>(MPU1)bcu1_brakenotapp = 0.0                                               | OK | 0 | Siphehile Mchunu<br>491465<br>22.02.2025 | Train |
| 10304 | A | Remove manometer on M1 BCTP point                                                                        | OK |   | Siphehile Mchunu<br>491465<br>22.02.2025 | Train |
| 10305 | I | M2 service brake manual isolation                                                                        | OK |   | Siphehile Mchunu<br>491465<br>22.02.2025 | Train |
| 10306 | A | Close the isolation cock C2.3.1                                                                          | OK |   | Siphehile Mchunu<br>491465<br>22.02.2025 | Train |
| 10307 | R | Lamp 40H2 is ON for EB reduced on the alarm module                                                       | OK |   | Siphehile Mchunu<br>491465<br>22.02.2025 | Train |
| 10308 | A | Put manometer on M2 BCTP point                                                                           | OK |   | Siphehile Mchunu<br>491465<br>22.02.2025 | Train |
| 10309 | R | Pressure measured on test point BCTP decreases slowly (drain the brake reservoir) until 0bar (+/-0,2bar) | OK |   | Siphehile Mchunu<br>491465<br>22.02.2025 | Train |
| 10310 | R | Read Defined Variable [TT]<br>(MPU1)tbcu2_servbrakeisoldc = 1.0                                          | OK | 1 | Siphehile Mchunu<br>491465<br>22.02.2025 | Train |
| 10311 | R | Brake discs are not in contact with wheels on M2 bogies                                                  | OK |   | Siphehile Mchunu<br>491465<br>22.02.2025 | Train |
| 10312 | R | Read Defined Variable [TT]<br>(MPU1)bcu1_servbrakeisoldc = 0.0                                           | OK | 0 | Siphehile Mchunu<br>491465<br>22.02.2025 | Train |
| 10313 | R | Read Defined Variable [TT]<br>(MPU1)BCU2_ServBrakeIsolDC = 0.0                                           | OK | 0 | Siphehile Mchunu<br>491465<br>22.02.2025 | Train |
| 10314 | R | Read Defined Variable [TT]<br>(MPU1)TBCU1_servbrakeisoldc = 0.0                                          | OK | 0 | Siphehile Mchunu<br>491465<br>22.02.2025 | Train |
| 10315 | R | Read Defined Variable [TT]<br>(MPU1)li_sbk_m2servicebrakedc = 1.0                                        | OK | 1 | Siphehile Mchunu<br>491465<br>22.02.2025 | Train |

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|-------|---|--------------------------------------------------------------------------------------------------------------------------------------------|--|----|---|-------------------------------------------|-------|
| 10316 | R | Read Defined Variable [TT]<br>(MPU1)tbcu3_servbrakeisoldc = 0.0                                                                            |  | OK | 0 | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10317 | R | Read Defined Variable [TT]<br>(MPU1)tbcu4_servbrakeisoldc = 0.0                                                                            |  | OK | 0 | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10318 | R | Read Defined Variable [TT]<br>(MPU1)li_sbk_tc1servicebrakedc = 0.0                                                                         |  | OK | 0 | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10319 | R | Read Defined Variable [TT]<br>(MPU1)li_sbk_m1servicebrakedc = 0.0                                                                          |  | OK | 0 | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10320 | R | Read Defined Variable [TT]<br>(MPU1)li_sbk_m3servicebrakedc = 0.0                                                                          |  | OK | 0 | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10321 | R | Read Defined Variable [TT]<br>(MPU1)li_sbk_m4servicebrakedc = 0.0                                                                          |  | OK | 0 | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10322 | R | Read Defined Variable [TT]<br>(MPU1)li_sbk_tc2servicebrakedc = 0.0                                                                         |  | OK | 0 | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10323 | R | Read Defined Variable [TT]<br>(MPU1)TBCU1_brakenotapp = 0.0                                                                                |  | OK | 0 | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10324 | R | Read Defined Variable [TT]<br>(MPU1)tbcu2_brakenotapp = 1.0                                                                                |  | OK | 1 | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10325 | R | Read Defined Variable [TT]<br>(MPU1)tbcu3_brakenotapp = 0.0                                                                                |  | OK | 0 | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10326 | R | Read Defined Variable [TT]<br>(MPU1)tbcu4_brakenotapp = 0.0                                                                                |  | OK | 0 | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10327 | R | Read Defined Variable [TT]<br>(MPU1)BCU2_BrakeNotApp = 0.0                                                                                 |  | OK | 0 | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10328 | R | Read Defined Variable [TT]<br>(MPU1)bcu1_brakenotapp = 0.0                                                                                 |  | OK | 0 | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10329 | A | Open the isolation cock C2.3.1                                                                                                             |  | OK |   | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10330 | R | Lamp 40H2 is OFF for EB reduced on the alarm module                                                                                        |  | OK |   | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10331 | R | Pressure measured on test point BCTP increases slowly (brake reservoir) until service brake pressure in M2 car reaches 1,49bar (+/-0,2bar) |  | OK |   | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10332 | R | Brake discs are in contact with wheels on M2 bogies                                                                                        |  | OK |   | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10333 | R | Read Defined Variable [TT]<br>(MPU1)bcu1_servbrakeisoldc = 0.0                                                                             |  | OK | 0 | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |

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| 10334 | R | Read Defined Variable [TT]<br>(MPU1)BCU2_ServBrakeIsolDC = 0.0                                                                      | OK | 0 | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10335 | R | Read Defined Variable [TT]<br>(MPU1)TBCU1_servbrakeisoldc = 0.0                                                                     | OK | 0 | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10336 | R | Read Defined Variable [TT]<br>(MPU1)tbcu3_servbrakeisoldc = 0.0                                                                     | OK | 0 | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10337 | R | Read Defined Variable [TT]<br>(MPU1)tbcu4_servbrakeisoldc = 0.0                                                                     | OK | 0 | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10338 | R | Read Defined Variable [TT]<br>(MPU1)li_sbk_tc1servicebrakedc = 0.0                                                                  | OK | 0 | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10339 | R | Read Defined Variable [TT]<br>(MPU1)li_sbk_m1servicebrakedc = 0.0                                                                   | OK | 0 | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10340 | R | Read Defined Variable [TT]<br>(MPU1)li_sbk_m3servicebrakedc = 0.0                                                                   | OK | 0 | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10341 | R | Read Defined Variable [TT]<br>(MPU1)li_sbk_m4servicebrakedc = 0.0                                                                   | OK | 0 | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10342 | R | Read Defined Variable [TT]<br>(MPU1)li_sbk_tc2servicebrakedc = 0.0                                                                  | OK | 0 | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10343 | R | Read Defined Variable [TT]<br>(MPU1)TBCU1_brakenotapp = 0.0                                                                         | OK | 0 | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10344 | R | Read Defined Variable [TT]<br>(MPU1)tbcu3_brakenotapp = 0.0                                                                         | OK | 0 | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10345 | R | Read Defined Variable [TT]<br>(MPU1)tbcu4_brakenotapp = 0.0                                                                         | OK | 0 | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10346 | R | Read Defined Variable [TT]<br>(MPU1)BCU2_BrakeNotApp = 0.0                                                                          | OK | 0 | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10347 | R | Read Defined Variable [TT]<br>(MPU1)bcu1_brakenotapp = 0.0                                                                          | OK | 0 | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10348 | A | Remove manometer on M2 BCTP point                                                                                                   | OK |   | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10349 | I | M3 Service brake manual isolation                                                                                                   | OK |   | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10350 | A | Close the isolation cock C2.3.1                                                                                                     | OK |   | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10351 | R | Message on DDU warning the maintenance/driver for repair at the end of the day. IOS 885: "Mechanical Brake manually isolated on M3" | OK |   | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |

|       |   |                                                                                                          |  |    |   |                                           |       |
|-------|---|----------------------------------------------------------------------------------------------------------|--|----|---|-------------------------------------------|-------|
| 10352 | R | Lamp 40H2 is ON for EB reduced on the alarm module                                                       |  | OK |   | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10353 | A | Put the manometer on the BCTP test point of M3                                                           |  | OK |   | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10354 | R | Pressure measured on test point BCTP decreases slowly (drain the brake reservoir) until Obar (+/-0,2bar) |  | OK |   | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10355 | R | Brake discs are not in contact with wheels on M3 bogies                                                  |  | OK |   | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10356 | R | Read Defined Variable [TT]<br>(MPU1)bcu1_servbrakeisoldc = 0.0                                           |  | OK | 0 | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10357 | R | Read Defined Variable [TT]<br>(MPU1)BCU2_ServBrakelsolDC = 0.0                                           |  | OK | 0 | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10358 | R | Read Defined Variable [TT]<br>(MPU1)TBCU1_servbrakeisoldc = 0.0                                          |  | OK | 0 | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10359 | R | Read Defined Variable [TT]<br>(MPU1)tbcu2_servbrakeisoldc = 0.0                                          |  | OK | 0 | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10360 | R | Read Defined Variable [TT]<br>(MPU1)tbcu3_servbrakeisoldc = 1.0                                          |  | OK | 1 | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10361 | R | Read Defined Variable [TT]<br>(MPU1)tbcu4_servbrakeisoldc = 0.0                                          |  | OK | 0 | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10362 | R | Read Defined Variable [TT]<br>(MPU1)li_sbk_tc1servicebrakedc = 0.0                                       |  | OK | 0 | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10363 | R | Read Defined Variable [TT]<br>(MPU1)li_sbk_m1servicebrakedc = 0.0                                        |  | OK | 0 | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10364 | R | Read Defined Variable [TT]<br>(MPU1)li_sbk_m2servicebrakedc = 0.0                                        |  | OK | 0 | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10365 | R | Read Defined Variable [TT]<br>(MPU1)li_sbk_m3servicebrakedc = 1.0                                        |  | OK | 1 | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10366 | R | Read Defined Variable [TT]<br>(MPU1)li_sbk_m4servicebrakedc = 0.0                                        |  | OK | 0 | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10367 | R | Read Defined Variable [TT]<br>(MPU1)li_sbk_tc2servicebrakedc = 0.0                                       |  | OK | 0 | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10368 | R | Read Defined Variable [TT]<br>(MPU1)TBCU1_brakenotapp = 0.0                                              |  | OK | 0 | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10369 | R | Read Defined Variable [TT]<br>(MPU1)tbcu2_brakenotapp = 0.0                                              |  | OK | 0 | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |



|       |   |                                                                                                                                            |    |   |                                           |       |
|-------|---|--------------------------------------------------------------------------------------------------------------------------------------------|----|---|-------------------------------------------|-------|
| 10370 | R | Read Defined Variable [TT]<br>(MPU1)tbcu3_brakenotapp = 1.0                                                                                | OK | 1 | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10371 | R | Read Defined Variable [TT]<br>(MPU1)tbcu4_brakenotapp = 0.0                                                                                | OK | 0 | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10372 | R | Read Defined Variable [TT]<br>(MPU1)BCU2_BrakeNotApp = 0.0                                                                                 | OK | 0 | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10373 | R | Read Defined Variable [TT]<br>(BCU2)LI_BRAKE_NOT_APPLIED = 0.0                                                                             | OK | 0 | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10374 | R | Read Defined Variable [TT]<br>(TBCU1)LI_BRAKE_NOT_APPLIED = 0.0                                                                            | OK | 0 | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10375 | R | Read Defined Variable [TT]<br>(BCU1)LI_BRAKE_NOT_APPLIED = 0.0                                                                             | OK | 0 | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10376 | R | Read Defined Variable [TT]<br>(TBCU2)LI_BRAKE_NOT_APPLIED = 0.0                                                                            | OK | 0 | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10377 | R | Read Defined Variable [TT]<br>(TBCU3)LI_BRAKE_NOT_APPLIED = 1.0                                                                            | OK | 1 | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10378 | R | Read Defined Variable [TT]<br>(TBCU4)LI_BRAKE_NOT_APPLIED = 0.0                                                                            | OK | 0 | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10379 | R | Read Defined Variable [TT]<br>(MPU1)bcu1_brakenotapp = 0.0                                                                                 | OK | 0 | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10380 | A | Open the isolation cock C2.3.1                                                                                                             | OK |   | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10381 | R | Lamp 40H2 is OFF for EB reduced on the alarm module                                                                                        | OK |   | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10382 | R | Pressure measured on test point BCTP increases slowly (brake reservoir) until service brake pressure in M3 car reaches 1,49bar (+/-0,2bar) | OK |   | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10383 | R | Brake discs are in contact with wheels on M3 bogies                                                                                        | OK |   | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10384 | R | Read Defined Variable [TT]<br>(MPU1)bcu1_servbrakeisoldc = 0.0                                                                             | OK | 0 | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10385 | R | Read Defined Variable [TT]<br>(MPU1)BCU2_ServBrakeIsolDC = 0.0                                                                             | OK | 0 | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10386 | R | Read Defined Variable [TT]<br>(MPU1)TBCU1_servbrakeisoldc = 0.0                                                                            | OK | 0 | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10387 | R | Read Defined Variable [TT]<br>(MPU1)tbcu2_servbrakeisoldc = 0.0                                                                            | OK | 0 | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |

|       |   |                                                                                                                                       |  |    |   |                                           |       |
|-------|---|---------------------------------------------------------------------------------------------------------------------------------------|--|----|---|-------------------------------------------|-------|
| 10388 | R | Read Defined Variable [TT]<br>(MPU1)tbcu3_servbrakeisoldc = 0.0                                                                       |  | OK | 0 | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10389 | R | Read Defined Variable [TT]<br>(MPU1)tbcu4_servbrakeisoldc = 0.0                                                                       |  | OK | 0 | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10390 | R | Read Defined Variable [TT]<br>(MPU1)li_sbk_tc1servicebrakedc = 0.0                                                                    |  | OK | 0 | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10391 | R | Read Defined Variable [TT]<br>(MPU1)li_sbk_m1servicebrakedc = 0.0                                                                     |  | OK | 0 | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10392 | R | Read Defined Variable [TT]<br>(MPU1)li_sbk_m2servicebrakedc = 0.0                                                                     |  | OK | 0 | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10393 | R | Read Defined Variable [TT]<br>(MPU1)li_sbk_m3servicebrakedc = 0.0                                                                     |  | OK | 0 | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10394 | R | Read Defined Variable [TT]<br>(MPU1)li_sbk_m4servicebrakedc = 0.0                                                                     |  | OK | 0 | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10395 | R | Read Defined Variable [TT]<br>(MPU1)li_sbk_tc2servicebrakedc = 0.0                                                                    |  | OK | 0 | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10396 | R | Read Defined Variable [TT]<br>(MPU1)TBCU1_brakenotapp = 0.0                                                                           |  | OK | 0 | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10397 | R | Read Defined Variable [TT]<br>(MPU1)tbcu2_brakenotapp = 0.0                                                                           |  | OK | 0 | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10398 | R | Read Defined Variable [TT]<br>(MPU1)tbcu3_brakenotapp = 0.0                                                                           |  | OK | 0 | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10399 | R | Read Defined Variable [TT]<br>(MPU1)tbcu4_brakenotapp = 0.0                                                                           |  | OK | 0 | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10400 | R | Read Defined Variable [TT]<br>(MPU1)BCU2_BrakeNotApp = 0.0                                                                            |  | OK | 0 | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10401 | R | Read Defined Variable [TT]<br>(MPU1)bcu1_brakenotapp = 0.0                                                                            |  | OK | 0 | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10402 | A | Remove the manometer from the BCTP test point                                                                                         |  | OK |   | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10403 | I | TC2 Service brake manual isolation                                                                                                    |  | OK |   | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10404 | A | Close the isolation cock C1.3.1                                                                                                       |  | OK |   | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10405 | R | Message on DDU warning the maintenance/driver for repair at the end of the day. IOS 882 : "Mechanical Brake manually isolated on TC2" |  | OK |   | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |

|       |   |                                                                                                          |  |    |   |                                           |       |
|-------|---|----------------------------------------------------------------------------------------------------------|--|----|---|-------------------------------------------|-------|
| 10406 | R | Lamp 40HZ is ON for EB reduced on the alarm module                                                       |  | OK |   | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10407 | A | Put manometer on BCTP test point                                                                         |  | OK |   | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10408 | R | Pressure measured on test point BCTP decreases slowly (drain the brake reservoir) until Obar (+/-0,2bar) |  | OK |   | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10409 | R | Brake discs are not in contact with wheels on TC2 bogies                                                 |  | OK |   | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10410 | R | Read Defined Variable [TT]<br>(MPU1)bcu1_servbrakeisoldc = 0.0                                           |  | OK | 0 | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10411 | R | Read Defined Variable [TT]<br>(MPU1)BCU2_ServBrakelsolDC = 1.0                                           |  | OK | 1 | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10412 | R | Read Defined Variable [TT]<br>(MPU1)TBCU1_servbrakeisoldc = 0.0                                          |  | OK | 0 | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10413 | R | Read Defined Variable [TT]<br>(MPU1)tbcu2_servbrakeisoldc = 0.0                                          |  | OK | 0 | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10414 | R | Read Defined Variable [TT]<br>(MPU1)tbcu3_servbrakeisoldc = 0.0                                          |  | OK | 0 | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10415 | R | Read Defined Variable [TT]<br>(MPU1)tbcu4_servbrakeisoldc = 0.0                                          |  | OK | 0 | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10416 | R | Read Defined Variable [TT]<br>(MPU1)li_sbk_tc1servicebrakedc = 0.0                                       |  | OK | 0 | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10417 | R | Read Defined Variable [TT]<br>(MPU1)li_sbk_m1servicebrakedc = 0.0                                        |  | OK | 0 | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10418 | R | Read Defined Variable [TT]<br>(MPU1)li_sbk_m2servicebrakedc = 0.0                                        |  | OK | 0 | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10419 | R | Read Defined Variable [TT]<br>(MPU1)li_sbk_m3servicebrakedc = 0.0                                        |  | OK | 0 | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10420 | R | Read Defined Variable [TT]<br>(MPU1)li_sbk_m4servicebrakedc = 0.0                                        |  | OK | 0 | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10421 | R | Read Defined Variable [TT]<br>(MPU1)li_sbk_tc2servicebrakedc = 1.0                                       |  | OK | 1 | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10422 | R | Read Defined Variable [TT]<br>(MPU1)TBCU1_brakenotapp = 0.0                                              |  | OK | 0 | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10423 | R | Read Defined Variable [TT]<br>(MPU1)tbcu2_brakenotapp = 0.0                                              |  | OK | 0 | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |

|       |   |                                                                                                                                            |    |   |                                           |       |
|-------|---|--------------------------------------------------------------------------------------------------------------------------------------------|----|---|-------------------------------------------|-------|
| 10424 | R | Read Defined Variable [TT]<br>(MPU1)tbcu3_brakenotapp = 0.0                                                                                | OK | 0 | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10425 | R | Read Defined Variable [TT]<br>(MPU1)tbcu4_brakenotapp = 0.0                                                                                | OK | 0 | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10426 | R | Read Defined Variable [TT]<br>(MPU1)BCU2_BrakeNotApp = 1.0                                                                                 | OK | 1 | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10427 | R | Read Defined Variable [TT]<br>(MPU1)bcu1_brakenotapp = 0.0                                                                                 | OK | 0 | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10428 | A | Open the isolation cock C1.3.1                                                                                                             | OK |   | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10429 | R | Lamp 40H2 is OFF for EB reduced on the alarm module                                                                                        | OK |   | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10430 | A | Put the manometer on the BCTP point in TC2                                                                                                 | OK |   | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10431 | R | Pressure measured on test point BCTP increases slowly (brake reservoir) until service brake pressure in TC car reaches 1,47bar (+/-0,2bar) | OK |   | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10432 | R | Read Defined Variable [TT]<br>(BCU2)LI_BRAKE_NOT_APPLIED = 0.0                                                                             | OK | 0 | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10433 | R | Read Defined Variable [TT]<br>(TBCU1)LI_BRAKE_NOT_APPLIED = 0.0                                                                            | OK | 0 | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10434 | R | Read Defined Variable [TT]<br>(BCU1)LI_BRAKE_NOT_APPLIED = 0.0                                                                             | OK | 0 | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10435 | R | Read Defined Variable [TT]<br>(TBCU2)LI_BRAKE_NOT_APPLIED = 0.0                                                                            | OK | 0 | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10436 | R | Read Defined Variable [TT]<br>(TBCU3)LI_BRAKE_NOT_APPLIED = 0.0                                                                            | OK | 0 | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10437 | R | Read Defined Variable [TT]<br>(TBCU4)LI_BRAKE_NOT_APPLIED = 0.0                                                                            | OK | 0 | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10438 | R | Brake discs are in contact with wheels on TC2 bogies                                                                                       | OK |   | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10439 | R | Read Defined Variable [TT]<br>(MPU1)bcu1_servbrakeisoldc = 0.0                                                                             | OK | 0 | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10440 | R | Read Defined Variable [TT]<br>(MPU1)BCU2_ServBrakeIsolDC = 0.0                                                                             | OK | 0 | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10441 | R | Read Defined Variable [TT]<br>(MPU1)TBCU1_servbrakeisoldc = 0.0                                                                            | OK | 0 | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |

|       |   |                                                                                                                            |  |    |   |                                           |       |
|-------|---|----------------------------------------------------------------------------------------------------------------------------|--|----|---|-------------------------------------------|-------|
| 10442 | R | Read Defined Variable [TT]<br>(MPU1)tbcu2_servbrakeisoldc = 0.0                                                            |  | OK | 0 | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10443 | R | Read Defined Variable [TT]<br>(MPU1)tbcu3_servbrakeisoldc = 0.0                                                            |  | OK | 0 | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10444 | R | Read Defined Variable [TT]<br>(MPU1)tbcu4_servbrakeisoldc = 0.0                                                            |  | OK | 0 | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10445 | R | Read Defined Variable [TT]<br>(MPU1)li_sbk_tc1servicebrakedc = 0.0                                                         |  | OK | 0 | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10446 | R | Read Defined Variable [TT]<br>(MPU1)li_sbk_m1servicebrakedc = 0.0                                                          |  | OK | 0 | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10447 | R | Read Defined Variable [TT]<br>(MPU1)li_sbk_m2servicebrakedc = 0.0                                                          |  | OK | 0 | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10448 | R | Read Defined Variable [TT]<br>(MPU1)li_sbk_m3servicebrakedc = 0.0                                                          |  | OK | 0 | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10449 | R | Read Defined Variable [TT]<br>(MPU1)li_sbk_tc2servicebrakedc = 0.0                                                         |  | OK | 0 | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10450 | R | Read Defined Variable [TT]<br>(MPU1)li_sbk_m4servicebrakedc = 0.0                                                          |  | OK | 0 | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10451 | R | Read Defined Variable [TT]<br>(MPU1)TBCU1_brakenotapp = 0.0                                                                |  | OK | 0 | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10452 | R | Read Defined Variable [TT]<br>(MPU1)tbcu2_brakenotapp = 0.0                                                                |  | OK | 0 | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10453 | R | Read Defined Variable [TT]<br>(MPU1)tbcu3_brakenotapp = 0.0                                                                |  | OK | 0 | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10454 | R | Read Defined Variable [TT]<br>(MPU1)tbcu4_brakenotapp = 0.0                                                                |  | OK | 0 | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10455 | R | Read Defined Variable [TT]<br>(MPU1)BCU2_BrakeNotApp = 0.0                                                                 |  | OK | 0 | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10456 | R | Read Defined Variable [TT]<br>(MPU1)bcu1_brakenotapp = 0.0                                                                 |  | OK | 0 | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10457 | A | Remove the manometer from the BCTP point of TC2                                                                            |  | OK |   | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10458 | I | BCU Fault Test                                                                                                             |  | OK |   | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10459 | I | Emergency brake must be applied to force the variables mentioned.<br>After forcing the variables, release emergency brake. |  | OK |   | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |

|       |   |                                                              |  |    |   |                                          |       |
|-------|---|--------------------------------------------------------------|--|----|---|------------------------------------------|-------|
| 10460 | A | Position the master controller on OFF position               |  | OK |   | Siphehile Mchunu<br>491465<br>22.02.2025 | Train |
| 10461 | A | Put the direction selector switch in Neutral position        |  | OK |   | Siphehile Mchunu<br>491465<br>22.02.2025 | Train |
| 10462 | A | Force [TT] (BCU1)LO_BRK_FLT = 0.0                            |  | OK |   | Siphehile Mchunu<br>491465<br>22.02.2025 | Train |
| 10463 | R | Read Defined Variable [TT]<br>(MPU1)li_sbk_tc1bcufault = 0.0 |  | OK | 0 | Siphehile Mchunu<br>491465<br>22.02.2025 | Train |
| 10464 | A | Release [TT] (BCU1)LO_BRK_FLT                                |  | OK |   | Siphehile Mchunu<br>491465<br>22.02.2025 | Train |
| 10465 | R | Read Defined Variable [TT]<br>(MPU1)li_sbk_tc1bcufault = 1.0 |  | OK | 1 | Siphehile Mchunu<br>491465<br>22.02.2025 | Train |
| 10466 | A | Force [TT] (TBCU4)LO_BRK_FLT = 0.0                           |  | OK |   | Siphehile Mchunu<br>491465<br>22.02.2025 | Train |
| 10467 | R | Read Defined Variable [TT]<br>(MPU1)li_sbk_m4bcufault = 0.0  |  | OK | 0 | Siphehile Mchunu<br>491465<br>22.02.2025 | Train |
| 10468 | A | Release [TT] (TBCU4)LO_BRK_FLT                               |  | OK |   | Siphehile Mchunu<br>491465<br>22.02.2025 | Train |
| 10469 | R | Read Defined Variable [TT]<br>(MPU1)li_sbk_m4bcufault = 1.0  |  | OK | 1 | Siphehile Mchunu<br>491465<br>22.02.2025 | Train |
| 10470 | A | Force [TT] (TBCU2)LO_BRK_FLT = 0.0                           |  | OK |   | Siphehile Mchunu<br>491465<br>22.02.2025 | Train |
| 10471 | R | Read Defined Variable [TT]<br>(MPU1)li_sbk_m2bcufault = 0.0  |  | OK | 0 | Siphehile Mchunu<br>491465<br>22.02.2025 | Train |
| 10472 | A | Release [TT] (TBCU2)LO_BRK_FLT                               |  | OK |   | Siphehile Mchunu<br>491465<br>22.02.2025 | Train |
| 10473 | R | Read Defined Variable [TT]<br>(MPU1)li_sbk_m2bcufault = 1.0  |  | OK | 1 | Siphehile Mchunu<br>491465<br>22.02.2025 | Train |
| 10474 | A | Force [TT] (TBCU1)LO_BRK_FLT = 0.0                           |  | OK |   | Siphehile Mchunu<br>491465<br>22.02.2025 | Train |
| 10475 | R | Read Defined Variable [TT]<br>(MPU1)li_sbk_m1bcufault = 0.0  |  | OK | 0 | Siphehile Mchunu<br>491465<br>22.02.2025 | Train |
| 10476 | A | Release [TT] (TBCU1)LO_BRK_FLT                               |  | OK |   | Siphehile Mchunu<br>491465<br>22.02.2025 | Train |
| 10477 | R | Read Defined Variable [TT]<br>(MPU1)li_sbk_m1bcufault = 1.0  |  | OK | 1 | Siphehile Mchunu<br>491465<br>22.02.2025 | Train |
| 10478 | A | Force [TT] (TBCU3)LO_BRK_FLT = 0.0                           |  | OK |   | Siphehile Mchunu<br>491465               | Train |

|       |   |                                                                                                                                                                      |  |    |   |                                           |       |
|-------|---|----------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|----|---|-------------------------------------------|-------|
|       |   |                                                                                                                                                                      |  |    |   | 22.02.2025                                |       |
| 10479 | R | Read Defined Variable [TT]<br>(MPU1)li_sbk_m3bcufault = 0.0                                                                                                          |  | OK | 0 | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10480 | A | Release [TT] (TBCU3)LO_BRK_FLT                                                                                                                                       |  | OK |   | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10481 | R | Read Defined Variable [TT]<br>(MPU1)li_sbk_m3bcufault = 1.0                                                                                                          |  | OK | 1 | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10482 | A | Force [TT] (BCU2)LO_BRK_FLT = 0.0                                                                                                                                    |  | OK |   | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10483 | R | Read Defined Variable [TT]<br>(MPU1)li_sbk_tc2bcufault = 0.0                                                                                                         |  | OK | 0 | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10484 | A | Release [TT] (BCU2)LO_BRK_FLT                                                                                                                                        |  | OK |   | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10485 | R | Read Defined Variable [TT]<br>(MPU1)li_sbk_tc2bcufault = 1.0                                                                                                         |  | OK | 1 | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10486 | I | Wheel Slide test                                                                                                                                                     |  | OK |   | Celiwe Sokhela<br>491462<br>25.02.2025    | Train |
| 10487 | A | On DDU from TC1 car, request the WSP test on test screen and perform the actions shown on DDU.                                                                       |  | OK |   | Celiwe Sokhela<br>491462<br>25.02.2025    | Train |
| 10488 | I | To request the WSP test, go to test screen and request the brake test. Perform the Parking brake test. After the parking brake test, the WSP test will be available. |  | OK |   | Celiwe Sokhela<br>491462<br>25.02.2025    | Train |
| 10489 | I | Safety requirement: [Prasa1-56]                                                                                                                                      |  | OK |   | Celiwe Sokhela<br>491462<br>25.02.2025    | Train |
| 10490 | R | Read Defined Variable [TT]<br>(MPU1)BCU2_BcuTstOk = 0.0                                                                                                              |  | OK | 0 | Celiwe Sokhela<br>491462<br>25.02.2025    | Train |
| 10491 | R | Read Defined Variable [TT]<br>(MPU1)TBCU1_BcuTstOk = 0.0                                                                                                             |  | OK | 0 | Celiwe Sokhela<br>491462<br>25.02.2025    | Train |
| 10492 | R | Read Defined Variable [TT]<br>(MPU1)TBCU2_BcuTstOk = 0.0                                                                                                             |  | OK | 0 | Celiwe Sokhela<br>491462<br>25.02.2025    | Train |
| 10493 | R | Read Defined Variable [TT]<br>(MPU1)TBCU3_BcuTstOk = 0.0                                                                                                             |  | OK | 0 | Celiwe Sokhela<br>491462<br>25.02.2025    | Train |
| 10494 | R | Read Defined Variable [TT]<br>(MPU1)TBCU4_BcuTstOk = 0.0                                                                                                             |  | OK | 0 | Celiwe Sokhela<br>491462<br>25.02.2025    | Train |
| 10495 | A | Force [TT]<br>(MPU1)lo_sbk_tc1slipslidelamp1 = 1.0                                                                                                                   |  | OK |   | Celiwe Sokhela<br>491462<br>25.02.2025    | Train |

|       |   |                                                                                   |  |    |  |                                        |       |
|-------|---|-----------------------------------------------------------------------------------|--|----|--|----------------------------------------|-------|
| 10496 | A | Force [TT]<br>(MPU1)lo_sbk_tc1slipslidelampr2 = 0.0                               |  | OK |  | Celiwe Sokhela<br>491462<br>25.02.2025 | Train |
| 10497 | R | The visual indication of wheel slide detection (41H1) on the alarm module is ON.  |  | OK |  | Celiwe Sokhela<br>491462<br>25.02.2025 | Train |
| 10498 | A | Force [TT]<br>(MPU1)lo_sbk_tc1slipslidelampr1 = 0.0                               |  | OK |  | Celiwe Sokhela<br>491462<br>25.02.2025 | Train |
| 10499 | A | Force [TT]<br>(MPU1)lo_sbk_tc1slipslidelampr2 = 1.0                               |  | OK |  | Celiwe Sokhela<br>491462<br>25.02.2025 | Train |
| 10500 | R | The visual indication of wheel slide detection (41H1) on the alarm module is ON.  |  | OK |  | Celiwe Sokhela<br>491462<br>25.02.2025 | Train |
| 10501 | A | Force [TT]<br>(MPU1)lo_sbk_tc1slipslidelampr1 = 1.0                               |  | OK |  | Celiwe Sokhela<br>491462<br>25.02.2025 | Train |
| 10502 | A | Force [TT]<br>(MPU1)lo_sbk_tc1slipslidelampr2 = 1.0                               |  | OK |  | Celiwe Sokhela<br>491462<br>25.02.2025 | Train |
| 10503 | R | The visual indication of wheel slide detection (41H1) on the alarm module is ON.  |  | OK |  | Celiwe Sokhela<br>491462<br>25.02.2025 | Train |
| 10504 | A | Force [TT]<br>(MPU1)lo_sbk_tc1slipslidelampr1 = 0.0                               |  | OK |  | Celiwe Sokhela<br>491462<br>25.02.2025 | Train |
| 10505 | A | Force [TT]<br>(MPU1)lo_sbk_tc1slipslidelampr2 = 0.0                               |  | OK |  | Celiwe Sokhela<br>491462<br>25.02.2025 | Train |
| 10506 | R | The visual indication of wheel slide detection (41H1) on the alarm module is OFF. |  | OK |  | Celiwe Sokhela<br>491462<br>25.02.2025 | Train |
| 10507 | A | Release [TT]<br>(MPU1)lo_sbk_tc1slipslidelampr1                                   |  | OK |  | Celiwe Sokhela<br>491462<br>25.02.2025 | Train |
| 10508 | A | Release [TT]<br>(MPU1)lo_sbk_tc1slipslidelampr2                                   |  | OK |  | Celiwe Sokhela<br>491462<br>25.02.2025 | Train |
| 10509 | I | End of Test                                                                       |  | OK |  | Celiwe Sokhela<br>491462<br>25.02.2025 | Train |





|                                                                               |                                                    |                             |
|-------------------------------------------------------------------------------|----------------------------------------------------|-----------------------------|
| Serial Tests Report<br>TS270 – TFS<br>RTR Train Functional Static Test Report | Document Reference<br>GIB0000007854<br>Version: A0 | Emission date<br>27/02/2025 |
|-------------------------------------------------------------------------------|----------------------------------------------------|-----------------------------|

## Section 16 – Emergency Brake Interlock

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### 16.1 Instructions list

### 16.1.1 044\_UBK-Emergency Brake Interlock

I - Information      A - Action      R - Result      NE - Not Executed

| N°    | Type | Instruction                                                                    | File | Result status | Result value | Operator                                  | Vehicle |
|-------|------|--------------------------------------------------------------------------------|------|---------------|--------------|-------------------------------------------|---------|
| 10001 | I    | Emergency Brake SPP=044 UBK                                                    |      | OK            |              | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train   |
| 10002 | I    | Emergency Brake Cylinder Pressure                                              |      | OK            |              | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train   |
| 10003 | I    | Pressure in the main pipe should be 10 bar +/- 0.2bar                          |      | OK            |              | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train   |
| 10004 | I    | The direction selector switch is in Neutral position                           |      | OK            |              | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train   |
| 10005 | I    | Emergency brake is applied                                                     |      | OK            |              | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train   |
| 10006 | A    | Measure the pressure of the BCTP point in all cars with a calibrated manometer |      | OK            |              | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train   |
| 10007 | R    | BCTP TC1<br>Result Min/Max : 157<= x <= 197 (kPa)                              |      | OK            | 174.3        | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train   |
| 10008 | R    | BCTP M4<br>Result Min/Max : 187<= x <= 227 (kPa)                               |      | OK            | 192.8        | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train   |
| 10009 | R    | BCTP M1<br>Result Min/Max : 192<= x <= 232 (kPa)                               |      | OK            | 194.2        | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train   |
| 10010 | R    | BCTP M2<br>Result Min/Max : 192<= x <= 232 (kPa)                               |      | OK            | 197.2        | Celiwe Sokhela<br>491462<br>25.02.2025    | Train   |
| 10011 | R    | BCTP M3<br>Result Min/Max : 187<= x <= 227 (kPa)                               |      | OK            | 188.7        | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train   |
| 10012 | R    | BCTP TC2<br>Result Min/Max : 157<= x <= 197 (kPa)                              |      | OK            | 179.6        | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train   |
| 10013 | I    | Emergency brake TC1                                                            |      | OK            |              | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train   |
| 10014 | I    | Emergency brake by Direction Switch TC1                                        |      | OK            |              | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train   |
| 10015 | I    | Direction selector switch is in NEUTRAL position                               |      | OK            |              | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train   |
| 10016 | A    | Active cab on TC1                                                              |      | OK            |              | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train   |

|       |   |                                                          |  |    |   |                                          |       |
|-------|---|----------------------------------------------------------|--|----|---|------------------------------------------|-------|
| 10017 | R | Read Defined Variable [TT]<br>UBK_EmgcyBrkApld = 1.0     |  | OK | 1 | Siphehile Mchunu<br>491465<br>22.02.2025 | Train |
| 10018 | R | Read Defined Variable [TT]<br>(MPU1)BCU2_tINeb = 0.0     |  | OK | 0 | Siphehile Mchunu<br>491465<br>22.02.2025 | Train |
| 10019 | R | Read Defined Variable [TT]<br>(MPU1)bcu1_tlnb = 0.0      |  | OK | 0 | Siphehile Mchunu<br>491465<br>22.02.2025 | Train |
| 10020 | R | Read Defined Variable [TT]<br>(MPU1)tbcu2_tlnb = 0.0     |  | OK | 0 | Siphehile Mchunu<br>491465<br>22.02.2025 | Train |
| 10021 | R | Read Defined Variable [TT]<br>(MPU1)TBCU1_tlnb = 0.0     |  | OK | 0 | Siphehile Mchunu<br>491465<br>22.02.2025 | Train |
| 10022 | R | Read Defined Variable [TT]<br>(MPU1)tbcu3_tlnb = 0.0     |  | OK | 0 | Siphehile Mchunu<br>491465<br>22.02.2025 | Train |
| 10023 | R | Read Defined Variable [TT]<br>(MPU1)tbcu4_tlnb = 0.0     |  | OK | 0 | Siphehile Mchunu<br>491465<br>22.02.2025 | Train |
| 10024 | A | Put the direction selector switch in<br>FORWARD position |  | OK |   | Siphehile Mchunu<br>491465<br>22.02.2025 | Train |
| 10025 | R | Read Defined Variable [TT]<br>UBK_EmgcyBrkApld = 0.0     |  | OK | 0 | Siphehile Mchunu<br>491465<br>22.02.2025 | Train |
| 10026 | R | Read Defined Variable [TT]<br>(MPU1)BCU2_tINeb = 1.0     |  | OK | 1 | Siphehile Mchunu<br>491465<br>22.02.2025 | Train |
| 10027 | R | Read Defined Variable [TT]<br>(MPU1)bcu1_tlnb = 1.0      |  | OK | 1 | Siphehile Mchunu<br>491465<br>22.02.2025 | Train |
| 10028 | R | Read Defined Variable [TT]<br>(MPU1)tbcu2_tlnb = 1.0     |  | OK | 1 | Siphehile Mchunu<br>491465<br>22.02.2025 | Train |
| 10029 | R | Read Defined Variable [TT]<br>(MPU1)TBCU1_tlnb = 1.0     |  | OK | 1 | Siphehile Mchunu<br>491465<br>22.02.2025 | Train |
| 10030 | R | Read Defined Variable [TT]<br>(MPU1)tbcu3_tlnb = 1.0     |  | OK | 1 | Siphehile Mchunu<br>491465<br>22.02.2025 | Train |
| 10031 | R | Read Defined Variable [TT]<br>(MPU1)tbcu4_tlnb = 1.0     |  | OK | 1 | Siphehile Mchunu<br>491465<br>22.02.2025 | Train |
| 10032 | A | Put the direction selector switch in<br>REVERSE position |  | OK |   | Siphehile Mchunu<br>491465<br>22.02.2025 | Train |
| 10033 | R | Read Defined Variable [TT]<br>UBK_EmgcyBrkApld = 0.0     |  | OK | 0 | Siphehile Mchunu<br>491465<br>22.02.2025 | Train |
| 10034 | R | Read Defined Variable [TT]<br>(MPU1)BCU2_tINeb = 1.0     |  | OK | 1 | Siphehile Mchunu<br>491465<br>22.02.2025 | Train |

|       |   |                                                                                                                           |  |    |   |                                          |       |
|-------|---|---------------------------------------------------------------------------------------------------------------------------|--|----|---|------------------------------------------|-------|
| 10035 | R | Read Defined Variable [TT]<br>(MPU1)bcu1_tlnb = 1.0                                                                       |  | OK | 1 | Siphehile Mchunu<br>491465<br>22.02.2025 | Train |
| 10036 | R | Read Defined Variable [TT]<br>(MPU1)tbcu2_tlnb = 1.0                                                                      |  | OK | 1 | Siphehile Mchunu<br>491465<br>22.02.2025 | Train |
| 10037 | R | Read Defined Variable [TT]<br>(MPU1)TBCU1_tlnb = 1.0                                                                      |  | OK | 1 | Siphehile Mchunu<br>491465<br>22.02.2025 | Train |
| 10038 | R | Read Defined Variable [TT]<br>(MPU1)tbcu3_tlnb = 1.0                                                                      |  | OK | 1 | Siphehile Mchunu<br>491465<br>22.02.2025 | Train |
| 10039 | R | Read Defined Variable [TT]<br>(MPU1)tbcu4_tlnb = 1.0                                                                      |  | OK | 1 | Siphehile Mchunu<br>491465<br>22.02.2025 | Train |
| 10040 | A | Put the direction selector switch in<br>NEUTRAL position                                                                  |  | OK |   | Siphehile Mchunu<br>491465<br>22.02.2025 | Train |
| 10041 | I | Emergency Brake Button TC1                                                                                                |  | OK |   | Siphehile Mchunu<br>491465<br>22.02.2025 | Train |
| 10042 | A | Put the direction selector switch in<br>FORWARD position                                                                  |  | OK |   | Siphehile Mchunu<br>491465<br>22.02.2025 | Train |
| 10043 | R | Read Defined Variable [TT]<br>UBK_EmgcyBrkApId = 0.0                                                                      |  | OK | 0 | Siphehile Mchunu<br>491465<br>22.02.2025 | Train |
| 10044 | A | Apply emergency brake using the red<br>button 44S1                                                                        |  | OK |   | Siphehile Mchunu<br>491465<br>22.02.2025 | Train |
| 10045 | R | Read Defined Variable [TT]<br>UBK_EmgcyBrkApId = 1.0                                                                      |  | OK | 1 | Siphehile Mchunu<br>491465<br>22.02.2025 | Train |
| 10046 | A | Release the button 44S1                                                                                                   |  | OK |   | Siphehile Mchunu<br>491465<br>22.02.2025 | Train |
| 10047 | A | Put the direction selector switch in<br>NEUTRAL Position and again in<br>FORWARD position to reset the<br>emergency brake |  | OK |   | Siphehile Mchunu<br>491465<br>22.02.2025 | Train |
| 10048 | R | Read Defined Variable [TT]<br>UBK_EmgcyBrkApId = 0.0                                                                      |  | OK | 0 | Siphehile Mchunu<br>491465<br>22.02.2025 | Train |
| 10049 | A | On the non-active cab TC2, apply<br>emergency brake using the red button<br>44S1                                          |  | OK |   | Siphehile Mchunu<br>491465<br>22.02.2025 | Train |
| 10050 | R | Read Defined Variable [TT]<br>UBK_EmgcyBrkApId = 1.0                                                                      |  | OK | 1 | Siphehile Mchunu<br>491465<br>22.02.2025 | Train |
| 10051 | A | Release the button 44S1                                                                                                   |  | OK |   | Siphehile Mchunu<br>491465<br>22.02.2025 | Train |

|       |   |                                                       |  |    |   |                                           |       |
|-------|---|-------------------------------------------------------|--|----|---|-------------------------------------------|-------|
| 10052 | A | Put the direction selector switch in NEUTRAL position |  | OK |   | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10053 | R | Read Defined Variable [TT]<br>UBK_EmgcyBrkApld = 1.0  |  | OK | 1 | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10054 | I | Emergency Brake by Master controller TC1              |  | OK |   | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10055 | A | Put the direction selector switch in FORWARD position |  | OK |   | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10056 | R | Read Defined Variable [TT]<br>UBK_EmgcyBrkApld = 0.0  |  | OK | 0 | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10057 | A | Put the master controller in EMERGENCY BRAKE position |  | OK |   | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10058 | R | Read Defined Variable [TT]<br>UBK_EmgcyBrkApld = 1.0  |  | OK | 1 | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10059 | A | Put the master controller in OFF position             |  | OK |   | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10060 | R | Read Defined Variable [TT]<br>UBK_EmgcyBrkApld = 1.0  |  | OK | 1 | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10061 | I | PEA override TC1                                      |  | OK |   | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10062 | A | Put the direction selector switch in FORWARD position |  | OK |   | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10063 | R | Read Defined Variable [TT]<br>UBK_EmgcyBrkApld = 0.0  |  | OK | 0 | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10064 | R | Lamp 44H5 is OFF                                      |  | OK |   | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10065 | A | Pull any PEA on train                                 |  | OK |   | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10066 | R | Lamp 44H5 is ON                                       |  | OK |   | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10067 | A | Press the PEA override button 44S5                    |  | OK |   | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10068 | A | Reset the PEA by switch 44S6                          |  | OK |   | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10069 | R | Lamp 44H5 is OFF                                      |  | OK |   | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |

|       |   |                                                       |  |    |   |                                           |       |
|-------|---|-------------------------------------------------------|--|----|---|-------------------------------------------|-------|
| 10070 | A | Press the button 44S5 to normalize PEA override       |  | OK |   | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10071 | I | Emergency brake TC2                                   |  | OK |   | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10072 | I | Emergency brake by Direction Switch TC2               |  | OK |   | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10073 | I | Direction selector switch is in NEUTRAL position      |  | OK |   | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10074 | A | Switch active cab to TC2                              |  | OK |   | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10075 | R | Read Defined Variable [TT]<br>UBK_EmgcyBrkApld = 1.0  |  | OK | 1 | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10076 | R | Read Defined Variable [TT]<br>(MPU1)BCU2_tINeb = 0.0  |  | OK | 0 | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10077 | R | Read Defined Variable [TT]<br>(MPU1)bcu1_tlnb = 0.0   |  | OK | 0 | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10078 | R | Read Defined Variable [TT]<br>(MPU1)tbcu2_tlnb = 0.0  |  | OK | 0 | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10079 | R | Read Defined Variable [TT]<br>(MPU1)TBCU1_tlnb = 0.0  |  | OK | 0 | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10080 | R | Read Defined Variable [TT]<br>(MPU1)tbcu3_tlnb = 0.0  |  | OK | 0 | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10081 | R | Read Defined Variable [TT]<br>(MPU1)tbcu4_tlnb = 0.0  |  | OK | 0 | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10082 | A | Put the direction selector switch in FORWARD position |  | OK |   | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10083 | R | Read Defined Variable [TT]<br>UBK_EmgcyBrkApld = 0.0  |  | OK | 0 | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10084 | R | Read Defined Variable [TT]<br>(MPU1)BCU2_tINeb = 1.0  |  | OK | 1 | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10085 | R | Read Defined Variable [TT]<br>(MPU1)bcu1_tlnb = 1.0   |  | OK | 1 | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10086 | R | Read Defined Variable [TT]<br>(MPU1)tbcu2_tlnb = 1.0  |  | OK | 1 | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10087 | R | Read Defined Variable [TT]<br>(MPU1)TBCU1_tlnb = 1.0  |  | OK | 1 | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |

|       |   |                                                                                                                           |    |   |                                          |       |
|-------|---|---------------------------------------------------------------------------------------------------------------------------|----|---|------------------------------------------|-------|
| 10088 | R | Read Defined Variable [TT]<br>(MPU1)tbcu3_tlnb = 1.0                                                                      | OK | 1 | Siphehile Mchunu<br>491465<br>22.02.2025 | Train |
| 10089 | R | Read Defined Variable [TT]<br>(MPU1)tbcu4_tlnb = 1.0                                                                      | OK | 1 | Siphehile Mchunu<br>491465<br>22.02.2025 | Train |
| 10090 | A | Put the direction selector switch in<br>REVERSE position                                                                  | OK |   | Siphehile Mchunu<br>491465<br>22.02.2025 | Train |
| 10091 | R | Read Defined Variable [TT]<br>UBK_EmgcyBrkApd = 0.0                                                                       | OK | 0 | Siphehile Mchunu<br>491465<br>22.02.2025 | Train |
| 10092 | R | Read Defined Variable [TT]<br>(MPU1)BCU2_Tlnb = 1.0                                                                       | OK | 1 | Siphehile Mchunu<br>491465<br>22.02.2025 | Train |
| 10093 | R | Read Defined Variable [TT]<br>(MPU1)bcu1_tlnb = 1.0                                                                       | OK | 1 | Siphehile Mchunu<br>491465<br>22.02.2025 | Train |
| 10094 | R | Read Defined Variable [TT]<br>(MPU1)tbcu2_tlnb = 1.0                                                                      | OK | 1 | Siphehile Mchunu<br>491465<br>22.02.2025 | Train |
| 10095 | R | Read Defined Variable [TT]<br>(MPU1)TCU1_tlnb = 1.0                                                                       | OK | 1 | Siphehile Mchunu<br>491465<br>22.02.2025 | Train |
| 10096 | R | Read Defined Variable [TT]<br>(MPU1)tbcu3_tlnb = 1.0                                                                      | OK | 1 | Siphehile Mchunu<br>491465<br>22.02.2025 | Train |
| 10097 | R | Read Defined Variable [TT]<br>(MPU1)tbcu4_tlnb = 1.0                                                                      | OK | 1 | Siphehile Mchunu<br>491465<br>22.02.2025 | Train |
| 10098 | I | Emergency Brake Button TC2                                                                                                | OK |   | Siphehile Mchunu<br>491465<br>22.02.2025 | Train |
| 10099 | A | Apply emergency brake using the red<br>button 44S1                                                                        | OK |   | Siphehile Mchunu<br>491465<br>22.02.2025 | Train |
| 10100 | A | Put the direction selector switch in<br>FORWARD position                                                                  | OK |   | Siphehile Mchunu<br>491465<br>22.02.2025 | Train |
| 10101 | A | Release the button 44S1                                                                                                   | OK |   | Siphehile Mchunu<br>491465<br>22.02.2025 | Train |
| 10102 | R | Read Defined Variable [TT]<br>UBK_EmgcyBrkApd = 1.0                                                                       | OK | 1 | Siphehile Mchunu<br>491465<br>22.02.2025 | Train |
| 10103 | A | Put the direction selector switch in<br>NEUTRAL position and again in<br>FORWARD position to reset the<br>emergency brake | OK |   | Siphehile Mchunu<br>491465<br>22.02.2025 | Train |
| 10104 | R | Read Defined Variable [TT]<br>UBK_EmgcyBrkApd = 0.0                                                                       | OK | 0 | Siphehile Mchunu<br>491465<br>22.02.2025 | Train |
| 10105 | A | On the non-active can TC1, apply<br>emergency brake using the red button                                                  | OK |   | Siphehile Mchunu<br>491465<br>22.02.2025 | Train |



|       |   |                                                                                                                           |  |    |   |                                           |       |
|-------|---|---------------------------------------------------------------------------------------------------------------------------|--|----|---|-------------------------------------------|-------|
|       |   | 44S1                                                                                                                      |  |    |   |                                           |       |
| 10106 | R | Read Defined Variable [TT]<br>UBK_EmgcyBrkApId = 1.0                                                                      |  | OK | 1 | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10107 | A | Release the button 44S1                                                                                                   |  | OK |   | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10108 | A | Put the direction selector switch in<br>NEUTRAL position and again in<br>FORWARD position to reset the<br>emergency brake |  | OK |   | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10109 | R | Read Defined Variable [TT]<br>UBK_EmgcyBrkApId = 0.0                                                                      |  | OK | 0 | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10110 | A | Put the direction selector switch in<br>NEUTRAL position                                                                  |  | OK |   | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10111 | I | Emergency Brake by Master controller<br>TC2                                                                               |  | OK |   | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10112 | A | Put the direction selector switch in<br>FORWARD position                                                                  |  | OK |   | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10113 | R | Read Defined Variable [TT]<br>UBK_EmgcyBrkApId = 0.0                                                                      |  | OK | 0 | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10114 | A | Put the master controller in EMERGENCY<br>BRAKE position                                                                  |  | OK |   | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10115 | R | Read Defined Variable [TT]<br>UBK_EmgcyBrkApId = 1.0                                                                      |  | OK | 1 | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10116 | A | Put the master controller in OFF position                                                                                 |  | OK |   | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10117 | R | Read Defined Variable [TT]<br>UBK_EmgcyBrkApId = 1.0                                                                      |  | OK | 1 | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10118 | I | PEA override TC2                                                                                                          |  | OK |   | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10119 | R | Read Defined Variable [TT]<br>UBK_EmgcyBrkApId = 0.0                                                                      |  | OK | 0 | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10120 | A | Pull any PEA on train                                                                                                     |  | OK |   | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10121 | R | Lamp 44H5 is ON                                                                                                           |  | OK |   | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10122 | A | Press the PEA override button 44S5                                                                                        |  | OK |   | Siphesihle Mchunu<br>491465<br>23.02.2025 | Train |

|       |   |                                                                                                          |  |    |   |                                           |       |
|-------|---|----------------------------------------------------------------------------------------------------------|--|----|---|-------------------------------------------|-------|
| 10123 | A | Reset the PEA by switch 44S6                                                                             |  | OK |   | Siphesihle Mchunu<br>491465<br>23.02.2025 | Train |
| 10124 | R | Lamp 44H5 is OFF                                                                                         |  | OK |   | Siphesihle Mchunu<br>491465<br>23.02.2025 | Train |
| 10125 | A | Press the button 44S5 to normalize PEA override                                                          |  | OK |   | Siphesihle Mchunu<br>491465<br>23.02.2025 | Train |
| 10126 | A | Put the direction selector switch in Neutral and FORWARD position                                        |  | OK |   | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10127 | R | Read Defined Variable [TT]<br>UBK_EmgcyBrkApld = 0.0                                                     |  | OK | 0 | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10128 | I | Low Pressure                                                                                             |  | OK |   | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10129 | A | Force [TT]<br>(MPU1)lo_air_tc1compenabler1 = 0.0                                                         |  | OK |   | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10130 | A | Force [TT]<br>(MPU1)lo_air_tc1compenabler2 = 0.0                                                         |  | OK |   | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10131 | A | Force [TT]<br>(MPU1)lo_air_tc2compenabler1 = 0.0                                                         |  | OK |   | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10132 | A | Force [TT]<br>(MPU1)lo_air_tc2compenabler2 = 0.0                                                         |  | OK |   | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10133 | R | Drain the air in the main pipe until it reaches below 6 bar, i.e. drain air to reach the range 5-5.5 bar |  | OK |   | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10134 | R | On DDU screen, emergency brake due to low pressure appears                                               |  | OK |   | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10135 | R | Read Defined Variable [TT]<br>(BCU1)li_mp_ps_ok = 0.0                                                    |  | OK | 0 | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10136 | R | Read Defined Variable [TT]<br>(BCU2)li_mp_ps_ok = 0.0                                                    |  | OK | 0 | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10137 | R | Read Defined Variable [TT]<br>UBK_EmgcyBrkApld = 1.0                                                     |  | OK | 1 | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10138 | A | Release [TT]<br>(MPU1)lo_air_tc1compenabler1                                                             |  | OK |   | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10139 | A | Release [TT]<br>(MPU1)lo_air_tc1compenabler2                                                             |  | OK |   | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |
| 10140 | A | Release [TT]<br>(MPU1)lo_air_tc2compenabler2                                                             |  | OK |   | Siphesihle Mchunu<br>491465<br>22.02.2025 | Train |

|       |   |                                                                                           |  |    |   |                                          |       |
|-------|---|-------------------------------------------------------------------------------------------|--|----|---|------------------------------------------|-------|
| 10141 | A | Release [TT]<br>(MPU1)lo_air_tc2compenabler1                                              |  | OK |   | Siphehile Mchunu<br>491465<br>22.02.2025 | Train |
| 10142 | I | The pressure in the main pipe should be at least 7 bar for emergency brake to be released |  | OK |   | Siphehile Mchunu<br>491465<br>22.02.2025 | Train |
| 10143 | A | Put the direction selector switch in NEUTRAL position and again in FORWARD position       |  | OK |   | Siphehile Mchunu<br>491465<br>22.02.2025 | Train |
| 10144 | R | Read Defined Variable [TT]<br>(BCU1)li_mp_ps_ok = 1.0                                     |  | OK | 1 | Siphehile Mchunu<br>491465<br>22.02.2025 | Train |
| 10145 | R | Read Defined Variable [TT]<br>(BCU2)li_mp_ps_ok = 1.0                                     |  | OK | 1 | Siphehile Mchunu<br>491465<br>22.02.2025 | Train |
| 10146 | R | Read Defined Variable [TT]<br>UBK_EmgcyBrkApld = 0.0                                      |  | OK | 0 | Siphehile Mchunu<br>491465<br>22.02.2025 | Train |
| 10147 | I | End of Test                                                                               |  | OK |   | Siphehile Mchunu<br>491465<br>22.02.2025 | Train |



|                                                                               |                                                    |                             |
|-------------------------------------------------------------------------------|----------------------------------------------------|-----------------------------|
| Serial Tests Report<br>TS270 – TFS<br>RTR Train Functional Static Test Report | Document Reference<br>GIB0000007854<br>Version: A0 | Emission date<br>27/02/2025 |
|-------------------------------------------------------------------------------|----------------------------------------------------|-----------------------------|

## Section 17 – Fire Detection

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### 17.1 Instructions list

### 17.1.1 067\_FSD-Fire Detection

I - Information      A - Action      R - Result      NE - Not Executed

| N°    | Type | Instruction                                                                | File | Result status | Result value | Operator                                 | Vehicle |
|-------|------|----------------------------------------------------------------------------|------|---------------|--------------|------------------------------------------|---------|
| 10001 | I    | Fire Detection SPP= 067                                                    |      | OK            |              | Philemon Milani<br>484650<br>23.02.2025  | Train   |
| 10002 | I    | Start of Test                                                              |      | OK            |              | Philemon Milani<br>484650<br>23.02.2025  | Train   |
| 10003 | A    | Turn the key to Active cab                                                 |      | OK            |              | Philemon Milani<br>484650<br>23.02.2025  | Train   |
| 10004 | A    | Close the battery contactor 18S1                                           |      | OK            |              | Philemon Milani<br>484650<br>23.02.2025  | Train   |
| 10005 | A    | Press the automatic start button 20S1 to prepare the train in High voltage |      | OK            |              | Philemon Milani<br>484650<br>23.02.2025  | Train   |
| 10006 | R    | Read Defined Variable [TT]<br>PNT_AllPantoRaised = 1.0                     |      | OK            | 1            | Philemon Milani<br>484650<br>23.02.2025  | Train   |
| 10007 | R    | Read Defined Variable [TT]<br>HSC_HscbClosedNum = 2.0                      |      | OK            | 2            | Mphato Mphahlele<br>480716<br>23.02.2025 | Train   |
| 10008 | R    | Read Defined Variable [TT]<br>(MPU1)NET_FDCUPresCIP = 1.0                  |      | OK            | 1            | Philemon Milani<br>484650<br>23.02.2025  | Train   |
| 10009 | R    | Read Defined Variable [TT]<br>(MPU1)FSD_FireSystemOk = 1.0                 |      | OK            | 1            | Philemon Milani<br>484650<br>23.02.2025  | Train   |
| 10010 | R    | Read Defined Variable [TT]<br>(MPU1)FSD_FireLocation = 1.0                 |      | OK            | 1            | Philemon Milani<br>484650<br>23.02.2025  | Train   |
| 10011 | R    | Read Defined Variable [TT]<br>(MPU1)FDCU_Data1 = 0.0                       |      | OK            | 0            | Philemon Milani<br>484650<br>23.02.2025  | Train   |
| 10012 | R    | Read Defined Variable [TT]<br>(MPU1)FDCU_Data2 = 0.0                       |      | OK            | 0            | Philemon Milani<br>484650<br>23.02.2025  | Train   |
| 10013 | R    | Read Defined Variable [TT]<br>(MPU1)FDCU_Data3 = 0.0                       |      | OK            | 0            | Philemon Milani<br>484650<br>23.02.2025  | Train   |
| 10014 | R    | Read Defined Variable [TT]<br>(MPU1)FDCU_DiagData = 0.0                    |      | OK            | 0            | Philemon Milani<br>484650<br>23.02.2025  | Train   |
| 10015 | R    | Read Defined Variable [TT]<br>(MPU1)FDCU_Status = 17.0                     |      | OK            | 17           | Mphato Mphahlele<br>480716<br>23.02.2025 | Train   |
| 10016 | I    | Fire Detection Simulation test in Saloon                                   |      | OK            |              | Mphato Mphahlele<br>480716<br>23.02.2025 | Train   |

|       |   |                                                                                                                               |                                                                                   |    |    |                                          |       |
|-------|---|-------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|----|----|------------------------------------------|-------|
| 10017 | I | In order to see the CCTV footage where fire was simulated, navigate through the ISO event.                                    |                                                                                   | OK |    | Philemon Milani<br>484650<br>23.02.2025  | Train |
| 10018 | I | Both cameras will be activated when a fire is detected in the saloon                                                          |                                                                                   | OK |    | Philemon Milani<br>484650<br>23.02.2025  | Train |
| 10019 | I | All HVACs are operational                                                                                                     |  | OK |    | Philemon Milani<br>484650<br>23.02.2025  | Train |
| 10020 | I | TC1                                                                                                                           |                                                                                   | OK |    | Philemon Milani<br>484650<br>23.02.2025  | Train |
| 10021 | A | Simulate a fire by spraying the gas on the fire detection unit 67A4 on TC1 cab for at least 1s                                |                                                                                   | OK |    | Philemon Milani<br>484650<br>23.02.2025  | Train |
| 10022 | R | 67H1 becomes "ON" on the Alarm Module and the DDU also shows the fire location                                                |                                                                                   | OK |    | Philemon Milani<br>484650<br>23.02.2025  | Train |
| 10023 | R | HVAC stops working in the cab and TC1 saloon                                                                                  |                                                                                   | OK |    | Philemon Milani<br>484650<br>23.02.2025  | Train |
| 10024 | R | Read Defined Variable [TT]<br>(MPU1)FDCU_Status = 49.0                                                                        |                                                                                   | OK | 49 | Mphato Mphahlele<br>480716<br>23.02.2025 | Train |
| 10025 | R | Read Defined Variable [TT]<br>(MPU1)FDCU_Data1 = 1.0                                                                          |                                                                                   | OK | 1  | Mphato Mphahlele<br>480716<br>23.02.2025 | Train |
| 10026 | A | Reset the fire detection loop on the DDU                                                                                      |                                                                                   | OK |    | Philemon Milani<br>484650<br>23.02.2025  | Train |
| 10027 | R | 67H1 turns OFF on the Alarm Module and NO fire detected on the DDU                                                            |                                                                                   | OK |    | Philemon Milani<br>484650<br>23.02.2025  | Train |
| 10028 | R | The HVAC of TC1 Cab and Saloon starts working in normal condition                                                             |                                                                                   | OK |    | Philemon Milani<br>484650<br>23.02.2025  | Train |
| 10029 | R | Read Defined Variable [TT]<br>(MPU1)FDCU_Data1 = 0.0                                                                          |                                                                                   | OK | 0  | Philemon Milani<br>484650<br>23.02.2025  | Train |
| 10030 | A | It takes about 40 seconds for the variable "FDCU_Status" below to change to 17. Read the variable before the next simulation. |                                                                                   | OK |    | Philemon Milani<br>484650<br>23.02.2025  | Train |
| 10031 | R | Read Defined Variable [TT]<br>(MPU1)FDCU_Status = 17.0                                                                        |                                                                                   | OK | 17 | Mphato Mphahlele<br>480716<br>23.02.2025 | Train |
| 10032 | A | Simulate a fire by spraying the gas on the fire detection unit 67A2 on TC1 car for at least 1s                                |                                                                                   | OK |    | Philemon Milani<br>484650<br>23.02.2025  | Train |
| 10033 | R | The CCTV footage showing TC1 saloon where the fire was detected is shown on                                                   |                                                                                   | OK |    | Philemon Milani<br>484650<br>23.02.2025  | Train |

|       |   |                                                                                                |  |    |    |                                          |       |
|-------|---|------------------------------------------------------------------------------------------------|--|----|----|------------------------------------------|-------|
|       |   | the DDU                                                                                        |  |    |    |                                          |       |
| 10034 | R | 67H1 becomes "ON" on the Alarm Module and the DDU also shows the fire location                 |  | OK |    | Philemon Milani<br>484650<br>23.02.2025  | Train |
| 10035 | R | HVAC stop working in TC1 saloon.                                                               |  | OK |    | Philemon Milani<br>484650<br>23.02.2025  | Train |
| 10036 | R | Read Defined Variable [TT]<br>(MPU1)FDCU_Status = 49.0                                         |  | OK | 49 | Mphato Mphahlele<br>480716<br>23.02.2025 | Train |
| 10037 | R | Read Defined Variable [TT]<br>(MPU1)FDCU_Data1 = 2.0                                           |  | OK | 2  | Mphato Mphahlele<br>480716<br>23.02.2025 | Train |
| 10038 | A | Reset the fire detection loop on the DDU                                                       |  | OK |    | Philemon Milani<br>484650<br>23.02.2025  | Train |
| 10039 | R | HVAC starts working in TC1 saloon                                                              |  | OK |    | Philemon Milani<br>484650<br>23.02.2025  | Train |
| 10040 | R | Camera footage disappears from the DDU screen                                                  |  | OK |    | Philemon Milani<br>484650<br>23.02.2025  | Train |
| 10041 | R | Read Defined Variable [TT]<br>(MPU1)FDCU_Data1 = 0.0                                           |  | OK | 0  | Philemon Milani<br>484650<br>23.02.2025  | Train |
| 10042 | R | Read Defined Variable [TT]<br>(MPU1)FDCU_Status = 17.0                                         |  | OK | 17 | Mphato Mphahlele<br>480716<br>23.02.2025 | Train |
| 10043 | A | Simulate a fire by spraying the gas on the fire detection unit 67A3 on TC1 car for at least 1s |  | OK |    | Philemon Milani<br>484650<br>23.02.2025  | Train |
| 10044 | R | The CCTV footage showing TC1 saloon where the fire was detected is shown on the DDU            |  | OK |    | Philemon Milani<br>484650<br>23.02.2025  | Train |
| 10045 | R | 67H1 becomes "ON" on the Alarm Module and the DDU also shows the fire location                 |  | OK |    | Philemon Milani<br>484650<br>23.02.2025  | Train |
| 10046 | R | HVAC stop working in TC1 saloon                                                                |  | OK |    | Philemon Milani<br>484650<br>23.02.2025  | Train |
| 10047 | R | Read Defined Variable [TT]<br>(MPU1)FDCU_Status = 49.0                                         |  | OK | 49 | Mphato Mphahlele<br>480716<br>23.02.2025 | Train |
| 10048 | R | Read Defined Variable [TT]<br>(MPU1)FDCU_Data1 = 4.0                                           |  | OK | 4  | Mphato Mphahlele<br>480716<br>23.02.2025 | Train |
| 10049 | A | Reset the fire detection loop on the DDU                                                       |  | OK |    | Philemon Milani<br>484650<br>23.02.2025  | Train |
| 10050 | R | HVAC starts working in TC1 saloon                                                              |  | OK |    | Philemon Milani<br>484650<br>23.02.2025  | Train |



|       |   |                                                                                               |  |    |    |                                          |       |
|-------|---|-----------------------------------------------------------------------------------------------|--|----|----|------------------------------------------|-------|
| 10051 | R | Camera footage disappears from the DDU screen                                                 |  | OK |    | Philemon Milani<br>484650<br>23.02.2025  | Train |
| 10052 | R | Read Defined Variable [TT]<br>(MPU1)FDCU_Data1 = 0.0                                          |  | OK | 0  | Philemon Milani<br>484650<br>23.02.2025  | Train |
| 10053 | R | Read Defined Variable [TT]<br>(MPU1)FDCU_Status = 17.0                                        |  | OK | 17 | Mphato Mphahlele<br>480716<br>23.02.2025 | Train |
| 10054 | I | M4 car Test                                                                                   |  | OK |    | Philemon Milani<br>484650<br>23.02.2025  | Train |
| 10055 | A | Simulate a fire by spraying the gas on the fire detection unit 67A2 on M4 car for at least 1s |  | OK |    | Philemon Milani<br>484650<br>23.02.2025  | Train |
| 10056 | R | The CCTV footage showing M4 saloon where the fire was detected is shown on the DDU            |  | OK |    | Philemon Milani<br>484650<br>23.02.2025  | Train |
| 10057 | R | 67H1 becomes "ON" on the Alarm Module and the DDU also shows the fire location                |  | OK |    | Philemon Milani<br>484650<br>23.02.2025  | Train |
| 10058 | R | HVAC unit stop in M4 saloon.                                                                  |  | OK |    | Philemon Milani<br>484650<br>23.02.2025  | Train |
| 10059 | R | Read Defined Variable [TT]<br>(MPU1)FDCU_Status = 49.0                                        |  | OK | 49 | Mphato Mphahlele<br>480716<br>23.02.2025 | Train |
| 10060 | R | Read Defined Variable [TT]<br>(MPU1)FDCU_Data1 = 32.0                                         |  | OK | 32 | Mphato Mphahlele<br>480716<br>23.02.2025 | Train |
| 10061 | A | Reset the fire detection loop on the DDU                                                      |  | OK |    | Philemon Milani<br>484650<br>23.02.2025  | Train |
| 10062 | R | HVAC starts working in the saloon                                                             |  | OK |    | Philemon Milani<br>484650<br>23.02.2025  | Train |
| 10063 | R | Camera footage disappears from the DDU screen                                                 |  | OK |    | Philemon Milani<br>484650<br>23.02.2025  | Train |
| 10064 | R | Read Defined Variable [TT]<br>(MPU1)FDCU_Data1 = 0.0                                          |  | OK | 0  | Philemon Milani<br>484650<br>23.02.2025  | Train |
| 10065 | R | Read Defined Variable [TT]<br>(MPU1)FDCU_Status = 17.0                                        |  | OK | 17 | Mphato Mphahlele<br>480716<br>23.02.2025 | Train |
| 10066 | A | Simulate a fire by spraying the gas on the fire detection unit 67A3 on M4 car for at least 1s |  | OK |    | Philemon Milani<br>484650<br>23.02.2025  | Train |
| 10067 | R | The CCTV footage showing M4 saloon where the fire was detected is shown on the DDU            |  | OK |    | Philemon Milani<br>484650<br>23.02.2025  | Train |

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|-------|---|-----------------------------------------------------------------------------------------------|--|----|-----|------------------------------------------|-------|
| 10068 | R | 67H1 becomes "ON" on the Alarm Module and the DDU also shows the fire location                |  | OK |     | Philemon Milani<br>484650<br>23.02.2025  | Train |
| 10069 | R | HVAC stop working in the saloon                                                               |  | OK |     | Philemon Milani<br>484650<br>23.02.2025  | Train |
| 10070 | R | Read Defined Variable [TT]<br>(MPU1)FDCU_Status = 49.0                                        |  | OK | 49  | Mphato Mphahlele<br>480716<br>23.02.2025 | Train |
| 10071 | R | Read Defined Variable [TT]<br>(MPU1)FDCU_Data1 = 64.0                                         |  | OK | 64  | Mphato Mphahlele<br>480716<br>23.02.2025 | Train |
| 10072 | A | Reset the fire detection loop on the DDU                                                      |  | OK |     | Philemon Milani<br>484650<br>23.02.2025  | Train |
| 10073 | R | HVAC starts working in M4 saloon                                                              |  | OK |     | Philemon Milani<br>484650<br>23.02.2025  | Train |
| 10074 | R | Camera footage disappears from the DDU screen                                                 |  | OK |     | Philemon Milani<br>484650<br>23.02.2025  | Train |
| 10075 | R | Read Defined Variable [TT]<br>(MPU1)FDCU_Data1 = 0.0                                          |  | OK | 0   | Philemon Milani<br>484650<br>23.02.2025  | Train |
| 10076 | R | Read Defined Variable [TT]<br>(MPU1)FDCU_Status = 17.0                                        |  | OK | 17  | Mphato Mphahlele<br>480716<br>23.02.2025 | Train |
| 10077 | I | M1 car                                                                                        |  | OK |     | Philemon Milani<br>484650<br>23.02.2025  | Train |
| 10078 | A | Simulate a fire by spraying the gas on the fire detection unit 67A2 on M1 car for at least 1s |  | OK |     | Philemon Milani<br>484650<br>23.02.2025  | Train |
| 10079 | R | The CCTV footage showing M1 saloon where the fire was detected is shown on the DDU            |  | OK |     | Philemon Milani<br>484650<br>23.02.2025  | Train |
| 10080 | R | 67H1 becomes "ON" on the Alarm Module and the DDU also shows the fire location                |  | OK |     | Philemon Milani<br>484650<br>23.02.2025  | Train |
| 10081 | R | HVAC stop working on M1                                                                       |  | OK |     | Philemon Milani<br>484650<br>23.02.2025  | Train |
| 10082 | R | Read Defined Variable [TT]<br>(MPU1)FDCU_Status = 49.0                                        |  | OK | 49  | Mphato Mphahlele<br>480716<br>23.02.2025 | Train |
| 10083 | R | Read Defined Variable [TT]<br>(MPU1)FDCU_Data1 = 256.0                                        |  | OK | 256 | Mphato Mphahlele<br>480716<br>23.02.2025 | Train |
| 10084 | A | Reset the fire detection loop on the DDU                                                      |  | OK |     | Mphato Mphahlele<br>480716<br>23.02.2025 | Train |
| 10085 | R | HVAC starts working in M1 saloon                                                              |  | OK |     | Mphato Mphahlele<br>480716<br>23.02.2025 | Train |

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|-------|---|-----------------------------------------------------------------------------------------------|--|----|-----|------------------------------------------|-------|
| 10086 | R | Camera footage disappears from the DDU screen                                                 |  | OK |     | Philemon Milani<br>484650<br>23.02.2025  | Train |
| 10087 | R | Read Defined Variable [TT]<br>(MPU1)FDCU_Data1 = 0.0                                          |  | OK | 0   | Philemon Milani<br>484650<br>23.02.2025  | Train |
| 10088 | R | Read Defined Variable [TT]<br>(MPU1)FDCU_Status = 17.0                                        |  | OK | 17  | Mphato Mphahlele<br>480716<br>23.02.2025 | Train |
| 10089 | A | Simulate a fire by spraying the gas on the fire detection unit 67A3 on M1 car for at least 1s |  | OK |     | Philemon Milani<br>484650<br>23.02.2025  | Train |
| 10090 | R | The CCTV footage showing M1 saloon where the fire was detected is shown on the DDU            |  | OK |     | Philemon Milani<br>484650<br>23.02.2025  | Train |
| 10091 | R | 67H1 becomes "ON" on the Alarm Module and the DDU also shows the fire location                |  | OK |     | Philemon Milani<br>484650<br>23.02.2025  | Train |
| 10092 | R | HVAC stop working in M1 saloon.                                                               |  | OK |     | Philemon Milani<br>484650<br>23.02.2025  | Train |
| 10093 | R | Read Defined Variable [TT]<br>(MPU1)FDCU_Status = 49.0                                        |  | OK | 49  | Mphato Mphahlele<br>480716<br>23.02.2025 | Train |
| 10094 | R | Read Defined Variable [TT]<br>(MPU1)FDCU_Data1 = 512.0                                        |  | OK | 512 | Mphato Mphahlele<br>480716<br>23.02.2025 | Train |
| 10095 | A | Reset the fire detection loop on the DDU                                                      |  | OK |     | Philemon Milani<br>484650<br>23.02.2025  | Train |
| 10096 | R | HVAC starts working in M1 saloon                                                              |  | OK |     | Philemon Milani<br>484650<br>23.02.2025  | Train |
| 10097 | R | Camera footage disappears from the DDU screen                                                 |  | OK |     | Philemon Milani<br>484650<br>23.02.2025  | Train |
| 10098 | R | Read Defined Variable [TT]<br>(MPU1)FDCU_Data1 = 0.0                                          |  | OK | 0   | Philemon Milani<br>484650<br>23.02.2025  | Train |
| 10099 | R | Read Defined Variable [TT]<br>(MPU1)FDCU_Status = 17.0                                        |  | OK | 17  | Mphato Mphahlele<br>480716<br>23.02.2025 | Train |
| 10100 | I | M2 car Test                                                                                   |  | OK |     | Philemon Milani<br>484650<br>23.02.2025  | Train |
| 10101 | A | Simulate a fire by spraying the gas on the fire detection unit 67A3 on M2 for at least 1s     |  | OK |     | Philemon Milani<br>484650<br>23.02.2025  | Train |
| 10102 | R | The CCTV footage showing M2 saloon where the fire was detected is shown on the DDU            |  | OK |     | Philemon Milani<br>484650<br>23.02.2025  | Train |

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|-------|---|-------------------------------------------------------------------------------------------|--|----|------|------------------------------------------|-------|
| 10103 | R | 67H1 becomes "ON" on the Alarm Module and the DDU also shows the fire location            |  | OK |      | Philemon Milani<br>484650<br>23.02.2025  | Train |
| 10104 | R | HVAC stop working in M2                                                                   |  | OK |      | Philemon Milani<br>484650<br>23.02.2025  | Train |
| 10105 | R | Read Defined Variable [TT]<br>(MPU1)FDCU_Status = 49.0                                    |  | OK | 49   | Mphato Mphahlele<br>480716<br>23.02.2025 | Train |
| 10106 | R | Read Defined Variable [TT]<br>(MPU1)FDCU_Data1 = 4096.0                                   |  | OK | 4096 | Mphato Mphahlele<br>480716<br>23.02.2025 | Train |
| 10107 | A | Reset the fire detection loop on the DDU                                                  |  | OK |      | Philemon Milani<br>484650<br>23.02.2025  | Train |
| 10108 | R | HVAC starts working in M2                                                                 |  | OK |      | Philemon Milani<br>484650<br>23.02.2025  | Train |
| 10109 | R | Camera footage disappears from DDU screen                                                 |  | OK |      | Philemon Milani<br>484650<br>23.02.2025  | Train |
| 10110 | R | Read Defined Variable [TT]<br>(MPU1)FDCU_Data1 = 0.0                                      |  | OK | 0    | Philemon Milani<br>484650<br>23.02.2025  | Train |
| 10111 | R | Read Defined Variable [TT]<br>(MPU1)FDCU_Status = 17.0                                    |  | OK | 17   | Mphato Mphahlele<br>480716<br>23.02.2025 | Train |
| 10112 | A | Simulate a fire by spraying the gas on the fire detection unit 67A2 on M2 for at least 1s |  | OK |      | Philemon Milani<br>484650<br>23.02.2025  | Train |
| 10113 | R | The CCTV footage showing M2 saloon where the fire was detected is shown on the DDU        |  | OK |      | Philemon Milani<br>484650<br>23.02.2025  | Train |
| 10114 | R | 67H1 becomes "ON" on the Alarm Module and the DDU also shows the fire location            |  | OK |      | Philemon Milani<br>484650<br>23.02.2025  | Train |
| 10115 | R | HVAC stop working                                                                         |  | OK |      | Philemon Milani<br>484650<br>23.02.2025  | Train |
| 10116 | R | Read Defined Variable [TT]<br>(MPU1)FDCU_Status = 49.0                                    |  | OK | 49   | Mphato Mphahlele<br>480716<br>23.02.2025 | Train |
| 10117 | R | Read Defined Variable [TT]<br>(MPU1)FDCU_Data1 = 2048.0                                   |  | OK | 2048 | Mphato Mphahlele<br>480716<br>23.02.2025 | Train |
| 10118 | A | Reset the fire detection loop on the DDU                                                  |  | OK |      | Philemon Milani<br>484650<br>23.02.2025  | Train |
| 10119 | R | HVAC starts working in M2                                                                 |  | OK |      | Philemon Milani<br>484650<br>23.02.2025  | Train |

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|-------|---|-------------------------------------------------------------------------------------------|--|----|-------|------------------------------------------|-------|
| 10120 | R | Camera footage disappears from the DDU screen                                             |  | OK |       | Philemon Milani<br>484650<br>23.02.2025  | Train |
| 10121 | R | Read Defined Variable [TT]<br>(MPU1)FDCU_Data1 = 0.0                                      |  | OK | 0     | Philemon Milani<br>484650<br>23.02.2025  | Train |
| 10122 | R | Read Defined Variable [TT]<br>(MPU1)FDCU_Status = 17.0                                    |  | OK | 17    | Mphato Mphahlele<br>480716<br>23.02.2025 | Train |
| 10123 | I | M3 car Test                                                                               |  | OK |       | Philemon Milani<br>484650<br>23.02.2025  | Train |
| 10124 | A | Simulate a fire by spraying the gas on the fire detection unit 67A3 on M3 for at least 1s |  | OK |       | Philemon Milani<br>484650<br>23.02.2025  | Train |
| 10125 | R | The CCTV footage showing M3 saloon where the fire was detected is shown on the DDU        |  | OK |       | Philemon Milani<br>484650<br>23.02.2025  | Train |
| 10126 | R | 67H1 becomes "ON" on the Alarm Module and the DDU also shows the fire location            |  | OK |       | Philemon Milani<br>484650<br>23.02.2025  | Train |
| 10127 | R | HVAC stop working in M3                                                                   |  | OK |       | Philemon Milani<br>484650<br>23.02.2025  | Train |
| 10128 | R | Read Defined Variable [TT]<br>(MPU1)FDCU_Status = 49.0                                    |  | OK | 49    | Mphato Mphahlele<br>480716<br>23.02.2025 | Train |
| 10129 | R | Read Defined Variable [TT]<br>(MPU1)FDCU_Data1 = 32768.0                                  |  | OK | 32768 | Mphato Mphahlele<br>480716<br>23.02.2025 | Train |
| 10130 | A | Reset the fire detection loop on the DDU                                                  |  | OK |       | Philemon Milani<br>484650<br>23.02.2025  | Train |
| 10131 | R | HVAC starts working in M3                                                                 |  | OK |       | Philemon Milani<br>484650<br>23.02.2025  | Train |
| 10132 | R | Camera footage disappears from the DDU screen                                             |  | OK |       | Philemon Milani<br>484650<br>23.02.2025  | Train |
| 10133 | R | Read Defined Variable [TT]<br>(MPU1)FDCU_Data1 = 0.0                                      |  | OK | 0     | Philemon Milani<br>484650<br>23.02.2025  | Train |
| 10134 | R | Read Defined Variable [TT]<br>(MPU1)FDCU_Status = 17.0                                    |  | OK | 17    | Mphato Mphahlele<br>480716<br>23.02.2025 | Train |
| 10135 | A | Simulate a fire by spraying the gas on the fire detection unit 67A2 on M3 for at least 1s |  | OK |       | Philemon Milani<br>484650<br>23.02.2025  | Train |
| 10136 | R | The CCTV footage showing M3 saloon where the fire was detected is shown on the DDU        |  | OK |       | Philemon Milani<br>484650<br>23.02.2025  | Train |

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| 10137 | R | 67H1 becomes "ON" on the Alarm Module and the DDU also shows the fire location             |  | OK |        | Philemon Milani<br>484650<br>23.02.2025  | Train |
| 10138 | R | HVAC stop working in M3                                                                    |  | OK |        | Philemon Milani<br>484650<br>23.02.2025  | Train |
| 10139 | R | Read Defined Variable [TT]<br>(MPU1)FDCU_Status = 49.0                                     |  | OK | 49     | Mphato Mphahlele<br>480716<br>23.02.2025 | Train |
| 10140 | R | Read Defined Variable [TT]<br>(MPU1)FDCU_Data1 = 16384.0                                   |  | OK | 16384  | Mphato Mphahlele<br>480716<br>23.02.2025 | Train |
| 10141 | A | Reset the fire detection loop on the DDU                                                   |  | OK |        | Mphato Mphahlele<br>480716<br>23.02.2025 | Train |
| 10142 | R | HVAC starts working in M3                                                                  |  | OK |        | Philemon Milani<br>484650<br>23.02.2025  | Train |
| 10143 | R | Camera footage disappears from the DDU screen                                              |  | OK |        | Philemon Milani<br>484650<br>23.02.2025  | Train |
| 10144 | R | Read Defined Variable [TT]<br>(MPU1)FDCU_Data1 = 0.0                                       |  | OK | 0      | Philemon Milani<br>484650<br>23.02.2025  | Train |
| 10145 | R | Read Defined Variable [TT]<br>(MPU1)FDCU_Status = 17.0                                     |  | OK | 17     | Mphato Mphahlele<br>480716<br>23.02.2025 | Train |
| 10146 | I | TC2                                                                                        |  | OK |        | Mphato Mphahlele<br>480716<br>23.02.2025 | Train |
| 10147 | A | Simulate a fire by spraying the gas on the fire detection unit 67A3 on TC2 for at least 1s |  | OK |        | Philemon Milani<br>484650<br>23.02.2025  | Train |
| 10148 | R | The CCTV footage showing TC2 saloon where the fire was detected is shown on the DDU        |  | OK |        | Philemon Milani<br>484650<br>23.02.2025  | Train |
| 10149 | R | 67H1 becomes "ON" on the Alarm Module and the DDU also shows the fire location             |  | OK |        | Philemon Milani<br>484650<br>23.02.2025  | Train |
| 10150 | R | HVAC stops working in TC2 saloon                                                           |  | OK |        | Philemon Milani<br>484650<br>23.02.2025  | Train |
| 10151 | R | Read Defined Variable [TT]<br>(MPU1)FDCU_Status = 49.0                                     |  | OK | 49     | Mphato Mphahlele<br>480716<br>23.02.2025 | Train |
| 10152 | R | Read Defined Variable [TT]<br>(MPU1)FDCU_Data1 = 524288.0                                  |  | OK | 524288 | Mphato Mphahlele<br>480716<br>23.02.2025 | Train |
| 10153 | A | Reset the fire detection loop on the DDU                                                   |  | OK |        | Philemon Milani<br>484650<br>23.02.2025  | Train |
| 10154 | R | HVAC starts working in TC2                                                                 |  | OK |        | Philemon Milani<br>484650<br>23.02.2025  | Train |

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| 10155 | R | Camera footage disappears from the DDU screen                                                  |  | OK |        | Philemon Milani<br>484650<br>23.02.2025  | Train |
| 10156 | R | Read Defined Variable [TT]<br>(MPU1)FDCU_Data1 = 0.0                                           |  | OK | 0      | Philemon Milani<br>484650<br>23.02.2025  | Train |
| 10157 | R | Read Defined Variable [TT]<br>(MPU1)FDCU_Status = 17.0                                         |  | OK | 17     | Mphato Mphahlele<br>480716<br>23.02.2025 | Train |
| 10158 | A | Simulate a fire by spraying the gas on the fire detection unit 67A2 on TC2 for at least 1s     |  | OK |        | Philemon Milani<br>484650<br>23.02.2025  | Train |
| 10159 | R | The CCTV footage showing TC2 saloon where the fire was detected is shown on the DDU            |  | OK |        | Philemon Milani<br>484650<br>23.02.2025  | Train |
| 10160 | R | 67H1 becomes "ON" on the Alarm Module and the DDU also shows the fire location                 |  | OK |        | Philemon Milani<br>484650<br>23.02.2025  | Train |
| 10161 | R | HVAC stops working in TC2 saloon                                                               |  | OK |        | Philemon Milani<br>484650<br>23.02.2025  | Train |
| 10162 | R | Read Defined Variable [TT]<br>(MPU1)FDCU_Status = 49.0                                         |  | OK | 49     | Mphato Mphahlele<br>480716<br>23.02.2025 | Train |
| 10163 | R | Read Defined Variable [TT]<br>(MPU1)FDCU_Data1 = 262144.0                                      |  | OK | 262144 | Mphato Mphahlele<br>480716<br>23.02.2025 | Train |
| 10164 | A | Reset the fire detection loop on the DDU                                                       |  | OK |        | Philemon Milani<br>484650<br>23.02.2025  | Train |
| 10165 | R | HVAC starts working in TC2                                                                     |  | OK |        | Philemon Milani<br>484650<br>23.02.2025  | Train |
| 10166 | R | Camera footage disappears from the DDU screen                                                  |  | OK |        | Philemon Milani<br>484650<br>23.02.2025  | Train |
| 10167 | R | Read Defined Variable [TT]<br>(MPU1)FDCU_Data1 = 0.0                                           |  | OK | 0      | Philemon Milani<br>484650<br>23.02.2025  | Train |
| 10168 | R | Read Defined Variable [TT]<br>(MPU1)FDCU_Status = 17.0                                         |  | OK | 17     | Mphato Mphahlele<br>480716<br>23.02.2025 | Train |
| 10169 | A | Simulate a fire by spraying the gas on the fire detection unit 67A4 on TC2 cab for at least 1s |  | OK |        | Philemon Milani<br>484650<br>23.02.2025  | Train |
| 10170 | R | 67H1 becomes "ON" on the Alarm Module of TC2 and TC1, and the DDU also shows the fire location |  | OK |        | Philemon Milani<br>484650<br>23.02.2025  | Train |
| 10171 | R | HVAC stops working in TC2 saloon                                                               |  | OK |        | Philemon Milani<br>484650<br>23.02.2025  | Train |

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|-------|---|--------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|----|--------|------------------------------------------|-------|
| 10172 | R | Read Defined Variable [TT]<br>(MPU1)FDCU_Status = 49.0                         |                                                                                   | OK | 49     | Mphato Mphahlele<br>480716<br>23.02.2025 | Train |
| 10173 | R | Read Defined Variable [TT]<br>(MPU1)FDCU_Data1 = 131072.0                      |                                                                                   | OK | 131072 | Mphato Mphahlele<br>480716<br>23.02.2025 | Train |
| 10174 | A | Reset the fire detection loop on the DDU                                       |                                                                                   | OK |        | Philemon Milani<br>484650<br>23.02.2025  | Train |
| 10175 | R | HVAC starts working in TC2                                                     |                                                                                   | OK |        | Philemon Milani<br>484650<br>23.02.2025  | Train |
| 10176 | R | Read Defined Variable [TT]<br>(MPU1)FDCU_Data1 = 0.0                           |                                                                                   | OK | 0      | Philemon Milani<br>484650<br>23.02.2025  | Train |
| 10177 | R | Read Defined Variable [TT]<br>(MPU1)FDCU_Status = 17.0                         |                                                                                   | OK | 17     | Mphato Mphahlele<br>480716<br>23.02.2025 | Train |
| 10178 | I | Fire Detection Simulation Underframe                                           |  | OK |        | Philemon Milani<br>484650<br>23.02.2025  | Train |
| 10179 | I | TC2 ACU Test                                                                   |                                                                                   | OK |        | Philemon Milani<br>484650<br>23.02.2025  | Train |
| 10180 | A | Toggle the switch to activate a fire in the ACU                                |                                                                                   | OK |        | Philemon Milani<br>484650<br>23.02.2025  | Train |
| 10181 | R | 67H1 becomes "ON" on the Alarm Module and the DDU also shows the fire location |                                                                                   | OK |        | Philemon Milani<br>484650<br>23.02.2025  | Train |
| 10182 | R | Read Undefined Variable [TT]<br>(MPU1)FDCU_Data1                               |                                                                                   | OK | 0      | Philemon Milani<br>484650<br>23.02.2025  | Train |
| 10183 | R | Read Defined Variable [TT]<br>(MPU1)li_hsc_m1hscbopenr1 = 0.0                  |                                                                                   | OK | 0      | Philemon Milani<br>484650<br>23.02.2025  | Train |
| 10184 | R | Read Defined Variable [TT]<br>(MPU1)li_hsc_m2hscbopenr1 = 1.0                  |                                                                                   | OK | 1      | Mphato Mphahlele<br>480716<br>23.02.2025 | Train |
| 10185 | A | Remove the switch and put back the cover                                       |                                                                                   | OK |        | Philemon Milani<br>484650<br>23.02.2025  | Train |
| 10186 | A | Reset the fire detection loop from the DDU                                     |                                                                                   | OK |        | Philemon Milani<br>484650<br>23.02.2025  | Train |
| 10187 | R | Read Defined Variable [TT]<br>(MPU1)FDCU_Data1 = 0.0                           |                                                                                   | OK | 0      | Philemon Milani<br>484650<br>23.02.2025  | Train |
| 10188 | R | Read Defined Variable [TT]<br>(MPU1)FDCU_Status = 17.0                         |                                                                                   | OK | 17     | Mphato Mphahlele<br>480716<br>23.02.2025 | Train |
| 10189 | I | M3 car propulsion box                                                          |                                                                                   | OK |        | Philemon Milani<br>484650<br>23.02.2025  | Train |



|       |   |                                                                                |  |    |       |                                          |       |
|-------|---|--------------------------------------------------------------------------------|--|----|-------|------------------------------------------|-------|
| 10190 | A | Toggle the switch to activate a fire in M3 propulsion box                      |  | OK |       | Philemon Milani<br>484650<br>23.02.2025  | Train |
| 10191 | R | 67H1 becomes "ON" on the Alarm Module and the DDU also shows the fire location |  | OK |       | Philemon Milani<br>484650<br>23.02.2025  | Train |
| 10192 | R | Read Defined Variable [TT]<br>(MPU1)FDCU_Data1 = 65536.0                       |  | OK | 65536 | Mphato Mphahlele<br>480716<br>23.02.2025 | Train |
| 10193 | R | Confirm that the value above is 65536                                          |  | OK |       | Philemon Milani<br>484650<br>23.02.2025  | Train |
| 10194 | A | Remove the switch and put back the cover                                       |  | OK |       | Philemon Milani<br>484650<br>23.02.2025  | Train |
| 10195 | A | Reset the fire detection loop from the DDU                                     |  | OK |       | Philemon Milani<br>484650<br>23.02.2025  | Train |
| 10196 | R | Read Defined Variable [TT]<br>(MPU1)FDCU_Data1 = 0.0                           |  | OK | 0     | Philemon Milani<br>484650<br>23.02.2025  | Train |
| 10197 | R | Read Defined Variable [TT]<br>(MPU1)FDCU_Status = 17.0                         |  | OK | 17    | Mphato Mphahlele<br>480716<br>23.02.2025 | Train |
| 10198 | I | M2 car propulsion box                                                          |  | OK |       | Philemon Milani<br>484650<br>23.02.2025  | Train |
| 10199 | A | Toggle the switch to activate a fire in M2 propulsion box                      |  | OK |       | Philemon Milani<br>484650<br>23.02.2025  | Train |
| 10200 | R | 67H1 becomes "ON" on the Alarm Module and the DDU also shows the fire location |  | OK |       | Philemon Milani<br>484650<br>23.02.2025  | Train |
| 10201 | R | Read Defined Variable [TT]<br>(MPU1)FDCU_Data1 = 8192.0                        |  | OK | 8192  | Mphato Mphahlele<br>480716<br>23.02.2025 | Train |
| 10202 | A | Remove the switch and put back the cover                                       |  | OK |       | Philemon Milani<br>484650<br>23.02.2025  | Train |
| 10203 | A | Reset the fire detection loop from the DDU                                     |  | OK |       | Philemon Milani<br>484650<br>23.02.2025  | Train |
| 10204 | R | Read Defined Variable [TT]<br>(MPU1)FDCU_Data1 = 0.0                           |  | OK | 0     | Philemon Milani<br>484650<br>23.02.2025  | Train |
| 10205 | R | Read Defined Variable [TT]<br>(MPU1)FDCU_Status = 17.0                         |  | OK | 17    | Mphato Mphahlele<br>480716<br>23.02.2025 | Train |
| 10206 | I | M1 car propulsion box                                                          |  | OK |       | Philemon Milani<br>484650<br>23.02.2025  | Train |
| 10207 | A | Toggle the switch to activate a fire in M1 propulsion box                      |  | OK |       | Philemon Milani<br>484650<br>23.02.2025  | Train |

|       |   |                                                                                |  |    |      |                                          |       |
|-------|---|--------------------------------------------------------------------------------|--|----|------|------------------------------------------|-------|
| 10208 | R | 67H1 becomes "ON" on the Alarm Module and the DDU also shows the fire location |  | OK |      | Philemon Milani<br>484650<br>23.02.2025  | Train |
| 10209 | R | Read Defined Variable [TT]<br>(MPU1)FDCU_Data1 = 1024.0                        |  | OK | 1024 | Mphato Mphahlele<br>480716<br>23.02.2025 | Train |
| 10210 | R | Read Defined Variable [TT]<br>(MPU1)li_hsc_m1hscbopenr1 = 1.0                  |  | OK | 1    | Mphato Mphahlele<br>480716<br>23.02.2025 | Train |
| 10211 | A | Remove the switch and put back the cover                                       |  | OK |      | Philemon Milani<br>484650<br>23.02.2025  | Train |
| 10212 | A | Reset the fire detection loop from the DDU                                     |  | OK |      | Philemon Milani<br>484650<br>23.02.2025  | Train |
| 10213 | R | Read Defined Variable [TT]<br>(MPU1)FDCU_Data1 = 0.0                           |  | OK | 0    | Philemon Milani<br>484650<br>23.02.2025  | Train |
| 10214 | R | Read Defined Variable [TT]<br>(MPU1)FDCU_Status = 17.0                         |  | OK | 17   | Mphato Mphahlele<br>480716<br>23.02.2025 | Train |
| 10215 | I | M4 Propulsion box                                                              |  | OK |      | Philemon Milani<br>484650<br>23.02.2025  | Train |
| 10216 | A | Toggle the switch to activate a fire in M4 Propulsion box                      |  | OK |      | Philemon Milani<br>484650<br>23.02.2025  | Train |
| 10217 | R | 67H1 becomes "ON" on the Alarm Module and the DDU also shows the fire location |  | OK |      | Philemon Milani<br>484650<br>23.02.2025  | Train |
| 10218 | R | Read Defined Variable [TT]<br>(MPU1)FDCU_Data1 = 128.0                         |  | OK | 128  | Mphato Mphahlele<br>480716<br>23.02.2025 | Train |
| 10219 | A | Remove the switch and put back the cover                                       |  | OK |      | Philemon Milani<br>484650<br>23.02.2025  | Train |
| 10220 | A | Reset the fire detection loop from the DDU                                     |  | OK |      | Philemon Milani<br>484650<br>23.02.2025  | Train |
| 10221 | R | Read Defined Variable [TT]<br>(MPU1)FDCU_Data1 = 0.0                           |  | OK | 0    | Philemon Milani<br>484650<br>23.02.2025  | Train |
| 10222 | R | Read Defined Variable [TT]<br>(MPU1)FDCU_Status = 17.0                         |  | OK | 17   | Mphato Mphahlele<br>480716<br>23.02.2025 | Train |
| 10223 | I | TC1 ACU Test                                                                   |  | OK |      | Philemon Milani<br>484650<br>23.02.2025  | Train |
| 10224 | A | Toggle the switch in TC1 to activate a fire in the ACU                         |  | OK |      | Philemon Milani<br>484650<br>23.02.2025  | Train |
| 10225 | R | 67H1 becomes "ON" on the Alarm Module and the DDU also shows the fire location |  | OK |      | Philemon Milani<br>484650<br>23.02.2025  | Train |

|       |   |                                                               |  |    |    |                                          |       |
|-------|---|---------------------------------------------------------------|--|----|----|------------------------------------------|-------|
| 10226 | R | Read Defined Variable [TT]<br>(MPU1)FDCU_Data1 = 16.0         |  | OK | 16 | Mphato Mphahlele<br>480716<br>23.02.2025 | Train |
| 10227 | A | Remove the switch and put back the cover                      |  | OK |    | Philemon Milani<br>484650<br>23.02.2025  | Train |
| 10228 | A | Reset the fire detection loop from the<br>DDU                 |  | OK |    | Philemon Milani<br>484650<br>23.02.2025  | Train |
| 10229 | R | Read Defined Variable [TT]<br>(MPU1)FDCU_Data1 = 0.0          |  | OK | 0  | Philemon Milani<br>484650<br>23.02.2025  | Train |
| 10230 | R | Read Defined Variable [TT]<br>(MPU1)FDCU_Status = 17.0        |  | OK | 17 | Mphato Mphahlele<br>480716<br>23.02.2025 | Train |
| 10231 | A | Close the HSCB                                                |  | OK |    | Philemon Milani<br>484650<br>23.02.2025  | Train |
| 10232 | R | Read Defined Variable [TT]<br>(MPU1)li_hsc_m1hscbopenr1 = 0.0 |  | OK | 0  | Philemon Milani<br>484650<br>23.02.2025  | Train |
| 10233 | R | Read Defined Variable [TT]<br>(MPU1)li_hsc_m2hscbopenr1 = 0.0 |  | OK | 0  | Philemon Milani<br>484650<br>23.02.2025  | Train |
| 10234 | I | End of Test                                                   |  | OK |    | Philemon Milani<br>484650<br>23.02.2025  | Train |



|                                                                               |                                                    |                             |
|-------------------------------------------------------------------------------|----------------------------------------------------|-----------------------------|
| Serial Tests Report<br>TS270 – TFS<br>RTR Train Functional Static Test Report | Document Reference<br>GIB0000007854<br>Version: A0 | Emission date<br>27/02/2025 |
|-------------------------------------------------------------------------------|----------------------------------------------------|-----------------------------|

## Section 18 – Passenger Doors

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### 18.1 Instructions list

### 18.1.1 050\_DOR-Passenger Doors

I - Information      A - Action      R - Result      NE - Not Executed

| N°    | Type | Instruction                                                       | File                                                                                | Result status | Result value | Operator                                 | Vehicle |
|-------|------|-------------------------------------------------------------------|-------------------------------------------------------------------------------------|---------------|--------------|------------------------------------------|---------|
| 10001 | I    | Doors SPP = 050 DOR                                               |                                                                                     | OK            |              | Mphato Mphahlele<br>480716<br>23.02.2025 | Train   |
| 10002 | I    | Initial Conditions                                                |                                                                                     | OK            |              | Mphato Mphahlele<br>480716<br>23.02.2025 | Train   |
| 10003 | I    | All doors should be closed                                        |                                                                                     | OK            |              | Mphato Mphahlele<br>480716<br>23.02.2025 | Train   |
| 10004 | I    | Speed less than 3km/h relay 61K3 is energized                     |                                                                                     | OK            |              | Mphato Mphahlele<br>480716<br>23.02.2025 | Train   |
| 10005 | I    | Start of Test                                                     |                                                                                     | OK            |              | Mphato Mphahlele<br>480716<br>23.02.2025 | Train   |
| 10006 | I    | Uploading procedure:                                              |                                                                                     | OK            |              | Mphato Mphahlele<br>480716<br>23.02.2025 | Train   |
| 10007 | I    | Follow the below instructions to upload software on all the doors |  | OK            |              | Mphato Mphahlele<br>480716<br>23.02.2025 | Train   |
| 10008 | I    | Doors functional Test TC1 Cab                                     |                                                                                     | OK            |              | Mphato Mphahlele<br>480716<br>23.02.2025 | Train   |
| 10009 | I    | Door authorization not possible in non-active cab                 |                                                                                     | OK            |              | Mphato Mphahlele<br>480716<br>23.02.2025 | Train   |
| 10010 | A    | Remove active cab on TC1                                          |                                                                                     | OK            |              | Mphato Mphahlele<br>480716<br>23.02.2025 | Train   |
| 10011 | A    | Put the door authorization switch 50S7 to DRIVER mode             |                                                                                     | OK            |              | Mphato Mphahlele<br>480716<br>23.02.2025 | Train   |
| 10012 | A    | Press the AUTH LEFT button 50S5                                   |                                                                                     | OK            |              | Mphato Mphahlele<br>480716<br>23.02.2025 | Train   |
| 10013 | R    | Door AUTH LEFT not possible, Lamp 50S5 is OFF                     |                                                                                     | OK            |              | Mphato Mphahlele<br>480716<br>23.02.2025 | Train   |
| 10014 | A    | Press the OPEN LEFT button 50S1                                   |                                                                                     | OK            |              | Mphato Mphahlele<br>480716<br>23.02.2025 | Train   |
| 10015 | R    | OPEN LEFT door not possible, Lamp 50S1 is OFF                     |                                                                                     | OK            |              | Mphato Mphahlele<br>480716<br>23.02.2025 | Train   |
| 10016 | A    | Press the AUTH RIGHT button 50S6                                  |                                                                                     | OK            |              | Mphato Mphahlele<br>480716               | Train   |

|       |   |                                                                           |                                                                                     |    |   |                                          |       |
|-------|---|---------------------------------------------------------------------------|-------------------------------------------------------------------------------------|----|---|------------------------------------------|-------|
|       |   |                                                                           |                                                                                     |    |   | 23.02.2025                               |       |
| 10017 | R | Door AUTH RIGHT not possible, Lamp 50S6 is OFF                            |                                                                                     | OK |   | Mphato Mphahlele<br>480716<br>23.02.2025 | Train |
| 10018 | A | Press the OPEN RIGHT button 50S2                                          |                                                                                     | OK |   | Mphato Mphahlele<br>480716<br>23.02.2025 | Train |
| 10019 | R | OPEN RIGHT door not possible, Lamp 50S2 is OFF                            |                                                                                     | OK |   | Mphato Mphahlele<br>480716<br>23.02.2025 | Train |
| 10020 | I | Door authorization with active cab                                        |                                                                                     | OK |   | Mphato Mphahlele<br>480716<br>23.02.2025 | Train |
| 10021 | A | Activate cab on TC1                                                       |                                                                                     | OK |   | Mphato Mphahlele<br>480716<br>23.02.2025 | Train |
| 10022 | R | Read Defined Variable [TT]<br>(MPU1)li_dor_tc1alldoorsclosedr1 = 0.0      |                                                                                     | OK | 0 | Mphato Mphahlele<br>480716<br>23.02.2025 | Train |
| 10023 | A | Press and hold the AUTH LEFT button 50S5                                  |                                                                                     | OK |   | Mphato Mphahlele<br>480716<br>23.02.2025 | Train |
| 10024 | R | Read Defined Variable [TT]<br>(MPU1)li_dor_tc1opendoorpleftr1 = 0.0       |                                                                                     | OK | 0 | Mphato Mphahlele<br>480716<br>23.02.2025 | Train |
| 10025 | A | Press and hold the OPEN LEFT button 50S1                                  |                                                                                     | OK |   | Mphato Mphahlele<br>480716<br>23.02.2025 | Train |
| 10026 | R | Read Defined Variable [TT]<br>(MPU1)lo_dor_tc1opendoorleft = 1.0          |                                                                                     | OK | 1 | Mphato Mphahlele<br>480716<br>23.02.2025 | Train |
| 10027 | R | Read Defined Variable [TT]<br>(MPU1)li_dor_tc1opendoorpleftr1 = 1.0       |                                                                                     | OK | 1 | Mphato Mphahlele<br>480716<br>23.02.2025 | Train |
| 10028 | R | Check on DDU screen that all left doors are OPEN and in WHITE colour      |                                                                                     | OK |   | Mphato Mphahlele<br>480716<br>23.02.2025 | Train |
| 10029 | R | Door safety loop is OPEN, lamp 51H1 is ON                                 |  | OK |   | Mphato Mphahlele<br>480716<br>23.02.2025 | Train |
| 10030 | A | Press and hold the CLOSE LEFT button 50S3                                 |                                                                                     | OK |   | Mphato Mphahlele<br>480716<br>23.02.2025 | Train |
| 10031 | R | Read Defined Variable [TT]<br>(MPU1)li_dor_tc1closedoorpleftr1 = 1.0      |                                                                                     | OK | 1 | Mphato Mphahlele<br>480716<br>23.02.2025 | Train |
| 10032 | R | Read Defined Variable [TT]<br>(MPU1)li_dor_tc1closedoorlineleft = 1.0     |                                                                                     | OK | 1 | Mphato Mphahlele<br>480716<br>23.02.2025 | Train |
| 10033 | R | Lamp 51H1 is OFF                                                          |                                                                                     | OK |   | Mphato Mphahlele<br>480716<br>23.02.2025 | Train |
| 10034 | R | Check on the DDU screen that all left doors are closed and in blue colour |                                                                                     | OK |   | Mphato Mphahlele<br>480716<br>23.02.2025 | Train |

|       |   |                                                                            |                                                                                     |    |   |                                          |       |
|-------|---|----------------------------------------------------------------------------|-------------------------------------------------------------------------------------|----|---|------------------------------------------|-------|
| 10035 | A | Press and hold the AUTH RIGHT button 50S6                                  |                                                                                     | OK |   | Mphato Mphahlele<br>480716<br>23.02.2025 | Train |
| 10036 | R | Lamp 50S6 is ON                                                            |                                                                                     | OK |   | Mphato Mphahlele<br>480716<br>23.02.2025 | Train |
| 10037 | R | Read Defined Variable [TT]<br>(MPU1)li_dor_tc1authdoorpbright = 1.0        |                                                                                     | OK | 1 | Mphato Mphahlele<br>480716<br>23.02.2025 | Train |
| 10038 | R | Read Defined Variable [TT]<br>(MPU1)li_dor_tc1opendoorpbright1 = 0.0       |                                                                                     | OK | 0 | Mphato Mphahlele<br>480716<br>23.02.2025 | Train |
| 10039 | A | Press and hold the OPEN RIGHT button 50S2                                  |                                                                                     | OK |   | Mphato Mphahlele<br>480716<br>23.02.2025 | Train |
| 10040 | R | Read Defined Variable [TT]<br>(MPU1)lo_dor_tc1opendoorright = 1.0          |                                                                                     | OK | 1 | Mphato Mphahlele<br>480716<br>23.02.2025 | Train |
| 10041 | R | Read Defined Variable [TT]<br>(MPU1)lo_dor_tc1opendoorright = 1.0          |                                                                                     | OK | 1 | Mphato Mphahlele<br>480716<br>23.02.2025 | Train |
| 10042 | R | Check on DDU screen that all right doors are OPEN                          |                                                                                     | OK |   | Mphato Mphahlele<br>480716<br>23.02.2025 | Train |
| 10043 | R | Door safety loop is OPEN, lamp 51H1 is ON                                  |  | OK |   | Mphato Mphahlele<br>480716<br>23.02.2025 | Train |
| 10044 | A | Press and hold the button 50S4 to close all right doors                    |                                                                                     | OK |   | Mphato Mphahlele<br>480716<br>23.02.2025 | Train |
| 10045 | R | Read Defined Variable [TT]<br>(MPU1)li_dor_tc1closedoorpbright1 = 1.0      |                                                                                     | OK | 1 | Mphato Mphahlele<br>480716<br>23.02.2025 | Train |
| 10046 | R | Read Defined Variable [TT]<br>(MPU1)li_dor_tc1closedoorlinerright = 1.0    |                                                                                     | OK | 1 | Mphato Mphahlele<br>480716<br>23.02.2025 | Train |
| 10047 | R | Lamp 51H1 is OFF                                                           |                                                                                     | OK |   | Mphato Mphahlele<br>480716<br>23.02.2025 | Train |
| 10048 | R | Check on the DDU screen that all right doors are closed and in blue colour |                                                                                     | OK |   | Mphato Mphahlele<br>480716<br>23.02.2025 | Train |
| 10049 | A | Press the AUTH LEFT button 50S5                                            |                                                                                     | OK |   | Mphato Mphahlele<br>480716<br>23.02.2025 | Train |
| 10050 | A | Press the OPEN LEFT button 50S1                                            |                                                                                     | OK |   | Mphato Mphahlele<br>480716<br>23.02.2025 | Train |
| 10051 | A | Press the AUTH RIGHT button 50S6                                           |                                                                                     | OK |   | Mphato Mphahlele<br>480716<br>23.02.2025 | Train |
| 10052 | A | Press the OPEN RIGHT button 50S2                                           |                                                                                     | OK |   | Mphato Mphahlele<br>480716               | Train |



|       |   |                                                                                                                               |  |    |  |                                          |       |
|-------|---|-------------------------------------------------------------------------------------------------------------------------------|--|----|--|------------------------------------------|-------|
|       |   |                                                                                                                               |  |    |  | 23.02.2025                               |       |
| 10053 | R | Take a walk to TC2 on the train, verify that all doors have the light 50H20 lighting in GREEN colour to indicate door is open |  | OK |  | Mphato Mphahlele<br>480716<br>23.02.2025 | Train |
| 10054 | A | Press the CLOSE LEFT button 50S3                                                                                              |  | OK |  | Mphato Mphahlele<br>480716<br>23.02.2025 | Train |
| 10055 | A | Press the CLOSE RIGHT button 50S4                                                                                             |  | OK |  | Mphato Mphahlele<br>480716<br>23.02.2025 | Train |
| 10056 | R | All doors are closed on the DDU screen                                                                                        |  | OK |  | Mphato Mphahlele<br>480716<br>23.02.2025 | Train |
| 10057 | I | Train speed more than 3km/h TC1                                                                                               |  | OK |  | Mphato Mphahlele<br>480716<br>23.02.2025 | Train |
| 10058 | A | Open 61Q1 to switch OFF the OTDR                                                                                              |  | OK |  | Mphato Mphahlele<br>480716<br>23.02.2025 | Train |
| 10059 | A | Press the AUTH LEFT button 50S5                                                                                               |  | OK |  | Mphato Mphahlele<br>480716<br>23.02.2025 | Train |
| 10060 | A | Press the OPEN LEFT button 50S1                                                                                               |  | OK |  | Mphato Mphahlele<br>480716<br>23.02.2025 | Train |
| 10061 | A | Press the AUTH RIGHT button 50S6                                                                                              |  | OK |  | Mphato Mphahlele<br>480716<br>23.02.2025 | Train |
| 10062 | A | Press the OPEN RIGHT button 50S2                                                                                              |  | OK |  | Mphato Mphahlele<br>480716<br>23.02.2025 | Train |
| 10063 | A | Force [TT] (BCU1)LO_SPEED_THRSLD1 = 0.0                                                                                       |  | OK |  | Mphato Mphahlele<br>480716<br>23.02.2025 | Train |
| 10064 | A | Force [TT] (BCU2)LO_SPEED_THRSLD1 = 0.0                                                                                       |  | OK |  | Mphato Mphahlele<br>480716<br>23.02.2025 | Train |
| 10065 | R | All left doors are closed                                                                                                     |  | OK |  | Mphato Mphahlele<br>480716<br>23.02.2025 | Train |
| 10066 | R | All right doors are closed                                                                                                    |  | OK |  | Mphato Mphahlele<br>480716<br>23.02.2025 | Train |
| 10067 | A | Press the AUTH LEFT button 50S5                                                                                               |  | OK |  | Mphato Mphahlele<br>480716<br>23.02.2025 | Train |
| 10068 | A | Press the OPEN LEFT button 50S1                                                                                               |  | OK |  | Mphato Mphahlele<br>480716<br>23.02.2025 | Train |
| 10069 | A | Press the AUTH RIGHT button 50S6                                                                                              |  | OK |  | Mphato Mphahlele<br>480716<br>23.02.2025 | Train |
| 10070 | A | Press the OPEN RIGHT button 50S2                                                                                              |  | OK |  | Mphato Mphahlele<br>480716               | Train |

|       |   |                                                                      |  |    |   |                                          |       |
|-------|---|----------------------------------------------------------------------|--|----|---|------------------------------------------|-------|
|       |   |                                                                      |  |    |   | 23.02.2025                               |       |
| 10071 | R | All doors remain closed                                              |  | OK |   | Mphato Mphahlele<br>480716<br>23.02.2025 | Train |
| 10072 | A | Release [TT]<br>(BCU1)LO_SPEED_THRSLD1                               |  | OK |   | Mphato Mphahlele<br>480716<br>23.02.2025 | Train |
| 10073 | A | Release [TT]<br>(BCU2)LO_SPEED_THRSLD1                               |  | OK |   | Mphato Mphahlele<br>480716<br>23.02.2025 | Train |
| 10074 | I | Doors functional Test TC2 Cab                                        |  | OK |   | Mphato Mphahlele<br>480716<br>23.02.2025 | Train |
| 10075 | I | Door authorization not possible in non-active cab                    |  | OK |   | Mphato Mphahlele<br>480716<br>23.02.2025 | Train |
| 10076 | A | Press the AUTH LEFT button 50S5                                      |  | OK |   | Mphato Mphahlele<br>480716<br>23.02.2025 | Train |
| 10077 | R | Door AUTH LEFT not possible, Lamp 50S5 is OFF                        |  | OK |   | Mphato Mphahlele<br>480716<br>23.02.2025 | Train |
| 10078 | A | Press the OPEN LEFT button 50S1                                      |  | OK |   | Mphato Mphahlele<br>480716<br>23.02.2025 | Train |
| 10079 | R | OPEN LEFT door is not possible, Lamp 50S1 is OFF                     |  | OK |   | Mphato Mphahlele<br>480716<br>23.02.2025 | Train |
| 10080 | A | Press the AUTH RIGHT button 50S6                                     |  | OK |   | Mphato Mphahlele<br>480716<br>23.02.2025 | Train |
| 10081 | R | Door AUTH RIGHT not possible, Lamp 50S6 is OFF                       |  | OK |   | Mphato Mphahlele<br>480716<br>23.02.2025 | Train |
| 10082 | A | Press the OPEN RIGHT button 50S2                                     |  | OK |   | Mphato Mphahlele<br>480716<br>23.02.2025 | Train |
| 10083 | R | OPEN RIGHT door not possible, Lamp 50S2 is OFF                       |  | OK |   | Mphato Mphahlele<br>480716<br>23.02.2025 | Train |
| 10084 | I | Door authorization with active cab                                   |  | OK |   | Mphato Mphahlele<br>480716<br>23.02.2025 | Train |
| 10085 | A | Activate cab on TC2                                                  |  | OK |   | Mphato Mphahlele<br>480716<br>23.02.2025 | Train |
| 10086 | A | Set the door authorization switch 50S7 to DRIVER mode in LV1         |  | OK |   | Mphato Mphahlele<br>480716<br>23.02.2025 | Train |
| 10087 | R | Read Defined Variable [TT]<br>(MPU1)li_dor_tc2alldoorsclosedr1 = 0.0 |  | OK | 0 | Mphato Mphahlele<br>480716<br>23.02.2025 | Train |
| 10088 | A | Press and hold the AUTH LEFT button 50S5                             |  | OK |   | Mphato Mphahlele<br>480716<br>23.02.2025 | Train |

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| 10089 | R | Read Defined Variable [TT]<br>(MPU1)li_dor_tc2authdoorpbleft = 1.0           |                                                                                   | OK | 1 | Mphato Mphahlele<br>480716<br>23.02.2025 | Train |
| 10090 | R | Read Defined Variable [TT]<br>(MPU1)li_dor_tc2opendoorpleftr1 = 0.0          |                                                                                   | OK | 0 | Mphato Mphahlele<br>480716<br>23.02.2025 | Train |
| 10091 | A | Press and hold the OPEN LEFT button<br>50S1                                  |                                                                                   | OK |   | Mphato Mphahlele<br>480716<br>23.02.2025 | Train |
| 10092 | R | Read Defined Variable [TT]<br>(MPU1)lo_dor_tc2opendoorleft = 1.0             |                                                                                   | OK | 1 | Mphato Mphahlele<br>480716<br>23.02.2025 | Train |
| 10093 | R | Read Defined Variable [TT]<br>(MPU1)li_dor_tc2opendoorpleftr1 = 1.0          |                                                                                   | OK | 1 | Mphato Mphahlele<br>480716<br>23.02.2025 | Train |
| 10094 | R | Check on DDU screen that all left doors<br>are OPEN and in WHITE colour      |                                                                                   | OK |   | Mphato Mphahlele<br>480716<br>23.02.2025 | Train |
| 10095 | I | Door safety loop is OPEN, lamp 51H1 is<br>ON                                 |  | OK |   | Mphato Mphahlele<br>480716<br>23.02.2025 | Train |
| 10096 | A | Press and hold the CLOSE LEFT button<br>50S3                                 |                                                                                   | OK |   | Mphato Mphahlele<br>480716<br>23.02.2025 | Train |
| 10097 | R | Read Defined Variable [TT]<br>(MPU1)li_dor_tc2closedoorlineleft = 1.0        |                                                                                   | OK | 1 | Mphato Mphahlele<br>480716<br>23.02.2025 | Train |
| 10098 | R | Read Defined Variable [TT]<br>(MPU1)li_dor_tc2closedoorpleftr1 = 1.0         |                                                                                   | OK | 1 | Mphato Mphahlele<br>480716<br>23.02.2025 | Train |
| 10099 | R | Lamp 51H1 is OFF                                                             |                                                                                   | OK |   | Mphato Mphahlele<br>480716<br>23.02.2025 | Train |
| 10100 | R | Check on the DDU screen that all left<br>doors are closed and in blue colour |                                                                                   | OK |   | Mphato Mphahlele<br>480716<br>23.02.2025 | Train |
| 10101 | A | Press and hold and hold the AUTH RIGHT<br>button 50S6                        |                                                                                   | OK |   | Mphato Mphahlele<br>480716<br>23.02.2025 | Train |
| 10102 | R | Read Defined Variable [TT]<br>(MPU1)li_dor_tc2authdoorpbright = 1.0          |                                                                                   | OK | 1 | Mphato Mphahlele<br>480716<br>23.02.2025 | Train |
| 10103 | R | Read Defined Variable [TT]<br>(MPU1)li_dor_tc2opendoorpbrighttr1 =<br>0.0    |                                                                                   | OK | 0 | Mphato Mphahlele<br>480716<br>23.02.2025 | Train |
| 10104 | A | Press and hold the OPEN RIGHT button<br>50S2                                 |                                                                                   | OK |   | Mphato Mphahlele<br>480716<br>23.02.2025 | Train |
| 10105 | R | Read Defined Variable [TT]<br>(MPU1)li_dor_tc2opendoorpbrighttr1 =<br>1.0    |                                                                                   | OK | 1 | Mphato Mphahlele<br>480716<br>23.02.2025 | Train |

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| 10106 | R | Check on DDU screen that all right doors are OPEN                                                                             |                                                                                   | OK |   | Mphato Mphahlele<br>480716<br>23.02.2025 | Train |
| 10107 | I | Door safety loop is OPEN, lamp 51H1 is ON                                                                                     |  | OK |   | Mphato Mphahlele<br>480716<br>23.02.2025 | Train |
| 10108 | R | Press the CLOSE RIGHT button 50S4                                                                                             |                                                                                   | OK |   | Mphato Mphahlele<br>480716<br>23.02.2025 | Train |
| 10109 | R | Read Defined Variable [TT]<br>(MPU1)li_dor_tc2closeddoorlineleft = 1.0                                                        |                                                                                   | OK | 1 | Mphato Mphahlele<br>480716<br>23.02.2025 | Train |
| 10110 | R | Read Defined Variable [TT]<br>(MPU1)li_dor_tc2closeddoorpbrightr1 = 1.0                                                       |                                                                                   | OK | 1 | Mphato Mphahlele<br>480716<br>23.02.2025 | Train |
| 10111 | R | Lamp 51H1 is OFF                                                                                                              |                                                                                   | OK |   | Mphato Mphahlele<br>480716<br>23.02.2025 | Train |
| 10112 | R | Check on the DDU screen that all right doors are closed and in blue colour                                                    |                                                                                   | OK |   | Mphato Mphahlele<br>480716<br>23.02.2025 | Train |
| 10113 | A | Press the AUTH LEFT button 50S5                                                                                               |                                                                                   | OK |   | Mphato Mphahlele<br>480716<br>23.02.2025 | Train |
| 10114 | A | Press the OPEN LEFT button 50S1                                                                                               |                                                                                   | OK |   | Mphato Mphahlele<br>480716<br>23.02.2025 | Train |
| 10115 | A | Press the AUTH RIGHT button 50S6                                                                                              |                                                                                   | OK |   | Mphato Mphahlele<br>480716<br>23.02.2025 | Train |
| 10116 | A | Press the OPEN RIGHT button 50S2                                                                                              |                                                                                   | OK |   | Mphato Mphahlele<br>480716<br>23.02.2025 | Train |
| 10117 | R | Take a walk to TC1 on the train, verify that all doors have the light 50H20 lighting in GREEN colour to indicate door is open |                                                                                   | OK |   | Mphato Mphahlele<br>480716<br>23.02.2025 | Train |
| 10118 | A | Press the CLOSE LEFT button 50S3                                                                                              |                                                                                   | OK |   | Mphato Mphahlele<br>480716<br>23.02.2025 | Train |
| 10119 | A | Press the CLOSE RIGHT button 50S4                                                                                             |                                                                                   | OK |   | Mphato Mphahlele<br>480716<br>23.02.2025 | Train |
| 10120 | R | All doors are closed on the DDU screen                                                                                        |                                                                                   | OK |   | Mphato Mphahlele<br>480716<br>23.02.2025 | Train |
| 10121 | I | Train speed more than 3km/h TC2                                                                                               |                                                                                   | OK |   | Mphato Mphahlele<br>480716<br>23.02.2025 | Train |
| 10122 | A | Open 61Q1 to switch OFF the OTDR                                                                                              |                                                                                   | OK |   | Mphato Mphahlele<br>480716<br>23.02.2025 | Train |
| 10123 | A | Press the AUTH LEFT button 50S5                                                                                               |                                                                                   | OK |   | Mphato Mphahlele<br>480716               | Train |

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| 10124 | A | Press the OPEN LEFT button 50S1                                                                             |  | OK |  | Mphato Mphahlele<br>480716<br>23.02.2025 | Train |
| 10125 | A | Press the AUTH RIGHT button 50S6                                                                            |  | OK |  | Mphato Mphahlele<br>480716<br>23.02.2025 | Train |
| 10126 | A | Press the OPEN RIGHT button 50S2                                                                            |  | OK |  | Mphato Mphahlele<br>480716<br>23.02.2025 | Train |
| 10127 | A | Force [TT] (BCU1)LO_SPEED_THRSLD1 = 0.0                                                                     |  | OK |  | Mphato Mphahlele<br>480716<br>23.02.2025 | Train |
| 10128 | A | Force [TT] (BCU2)LO_SPEED_THRSLD1 = 0.0                                                                     |  | OK |  | Mphato Mphahlele<br>480716<br>23.02.2025 | Train |
| 10129 | R | All left doors are closed                                                                                   |  | OK |  | Mphato Mphahlele<br>480716<br>23.02.2025 | Train |
| 10130 | R | All right doors are closed                                                                                  |  | OK |  | Mphato Mphahlele<br>480716<br>23.02.2025 | Train |
| 10131 | A | Press the AUTH LEFT button 50S5                                                                             |  | OK |  | Mphato Mphahlele<br>480716<br>23.02.2025 | Train |
| 10132 | A | Press the OPEN LEFT button 50S1                                                                             |  | OK |  | Mphato Mphahlele<br>480716<br>23.02.2025 | Train |
| 10133 | A | Press the AUTH RIGHT button 50S6                                                                            |  | OK |  | Mphato Mphahlele<br>480716<br>23.02.2025 | Train |
| 10134 | A | Press the OPEN RIGHT button 50S2                                                                            |  | OK |  | Mphato Mphahlele<br>480716<br>23.02.2025 | Train |
| 10135 | R | All doors remain closed                                                                                     |  | OK |  | Mphato Mphahlele<br>480716<br>23.02.2025 | Train |
| 10136 | A | Release [TT] (BCU1)LO_SPEED_THRSLD1                                                                         |  | OK |  | Mphato Mphahlele<br>480716<br>23.02.2025 | Train |
| 10137 | A | Release [TT] (BCU2)LO_SPEED_THRSLD1                                                                         |  | OK |  | Mphato Mphahlele<br>480716<br>23.02.2025 | Train |
| 10138 | A | Close 61Q1 circuit breaker                                                                                  |  | OK |  | Mphato Mphahlele<br>480716<br>23.02.2025 | Train |
| 10139 | I | Door Obstacle Detection                                                                                     |  | OK |  | Mphato Mphahlele<br>480716<br>23.02.2025 | Train |
| 10140 | I | This test is to verify if the CCTV footage will display on the DDU when an obstacle is detected at any door |  | OK |  | Mphato Mphahlele<br>480716<br>23.02.2025 | Train |
| 10141 | A | Press the DOOR AUTH left button 50S5                                                                        |  | OK |  | Mphato Mphahlele<br>480716<br>23.02.2025 | Train |

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| 10142 | A | Press the button 50S1 to open left doors                                          |                                                                                     | OK |    | Mphato Mphahlele<br>480716<br>23.02.2025 | Train |
| 10143 | A | Place an obstacle at the centre of any of the open doors                          |                                                                                     | OK |    | Mphato Mphahlele<br>480716<br>23.02.2025 | Train |
| 10144 | A | Close the left doors                                                              |                                                                                     | OK |    | Mphato Mphahlele<br>480716<br>23.02.2025 | Train |
| 10145 | I | The door with an obstacle will attempt to close 3 times                           |                                                                                     | OK |    | Mphato Mphahlele<br>480716<br>23.02.2025 | Train |
| 10146 | R | The door with an obstacle appears in white colour on the DDU screen               |                                                                                     | OK |    | Mphato Mphahlele<br>480716<br>23.02.2025 | Train |
| 10147 | A | Remove the obstacle                                                               |                                                                                     | OK |    | Mphato Mphahlele<br>480716<br>23.02.2025 | Train |
| 10148 | A | Open and close left doors                                                         |                                                                                     | OK |    | Mphato Mphahlele<br>480716<br>23.02.2025 | Train |
| 10149 | R | The door which had the obstacle appears closed on the DDU and it's in blue colour |                                                                                     | OK |    | Mphato Mphahlele<br>480716<br>23.02.2025 | Train |
| 10150 | I | Door Manual Opening                                                               |  | OK |    | Mphato Mphahlele<br>480716<br>23.02.2025 | Train |
| 10151 | A | All doors should be closed including the door covers in each saloon               |                                                                                     | OK |    | Mphato Mphahlele<br>480716<br>23.02.2025 | Train |
| 10152 | I | TC1                                                                               |                                                                                     | OK |    | Mphato Mphahlele<br>480716<br>23.02.2025 | Train |
| 10153 | A | Put the switch 50S7 in DRIVER mode                                                |                                                                                     | OK |    | Mphato Mphahlele<br>480716<br>23.02.2025 | Train |
| 10154 | A | Try to manually open ALL TC1 DOORS                                                |                                                                                     | OK |    | Mphato Mphahlele<br>480716<br>23.02.2025 | Train |
| 10155 | R | It is not possible to manually open any of the doors                              |                                                                                     | OK |    | Mphato Mphahlele<br>480716<br>23.02.2025 | Train |
| 10156 | A | Pull the PEA using the Force gauge while measuring the effort of the PEA          |                                                                                     | OK |    | Mphato Mphahlele<br>480716<br>23.02.2025 | Train |
| 10157 | R | DOOR1 PEA effort<br>Result Max : x <= 120 (N)                                     |                                                                                     | OK | 95 | Mphato Mphahlele<br>480716<br>23.02.2025 | Train |
| 10158 | R | DOOR2 PEA effort<br>Result Max : x <= 120 (N)                                     |                                                                                     | OK | 93 | Mphato Mphahlele<br>480716<br>23.02.2025 | Train |
| 10159 | R | DOOR3 PEA effort<br>Result Max : x <= 120 (N)                                     |                                                                                     | OK | 84 | Mphato Mphahlele<br>480716<br>23.02.2025 | Train |

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| 10160 | R | DOOR4 PEA effort<br>Result Max : x <= 120 (N)                     |  | OK | 90 | Mphato Mphahlele<br>480716<br>23.02.2025 | Train |
| 10161 | R | DOOR5 PEA effort<br>Result Max : x <= 120 (N)                     |  | OK | 73 | Mphato Mphahlele<br>480716<br>23.02.2025 | Train |
| 10162 | R | DOOR6 PEA effort<br>Result Max : x <= 120 (N)                     |  | OK | 98 | Mphato Mphahlele<br>480716<br>23.02.2025 | Train |
| 10163 | A | Manually open the doors                                           |  | OK |    | Mphato Mphahlele<br>480716<br>23.02.2025 | Train |
| 10164 | R | Doors opens freely                                                |  | OK |    | Mphato Mphahlele<br>480716<br>23.02.2025 | Train |
| 10165 | A | Press AUTH LEFT BUTTON 50S5                                       |  | OK |    | Mphato Mphahlele<br>480716<br>23.02.2025 | Train |
| 10166 | A | Press AUTH RIGHT BUTTON 50S6                                      |  | OK |    | Mphato Mphahlele<br>480716<br>23.02.2025 | Train |
| 10167 | A | Press the OPEN LEFT button 50S1                                   |  | OK |    | Mphato Mphahlele<br>480716<br>23.02.2025 | Train |
| 10168 | A | Press the OPEN RIGHT button 50S2                                  |  | OK |    | Mphato Mphahlele<br>480716<br>23.02.2025 | Train |
| 10169 | R | Read Defined Variable [TT]<br>(MPU1)lo_dor_tc1opendoorright = 1.0 |  | OK | 1  | Mphato Mphahlele<br>480716<br>23.02.2025 | Train |
| 10170 | R | Read Defined Variable [TT]<br>(MPU1)lo_dor_tc1opendoorleft = 1.0  |  | OK | 1  | Mphato Mphahlele<br>480716<br>23.02.2025 | Train |
| 10171 | A | Press the CLOSE LEFT button 50S3                                  |  | OK |    | Mphato Mphahlele<br>480716<br>23.02.2025 | Train |
| 10172 | A | Press the CLOSE RIGHT button 50S4                                 |  | OK |    | Mphato Mphahlele<br>480716<br>23.02.2025 | Train |
| 10173 | R | The TC1 doors remains open                                        |  | OK |    | Mphato Mphahlele<br>480716<br>23.02.2025 | Train |
| 10174 | A | Press the button 54S3 to acknowledge<br>PEAs                      |  | OK |    | Mphato Mphahlele<br>480716<br>23.02.2025 | Train |
| 10175 | A | Reset the PEA using switch 44S6                                   |  | OK |    | Mphato Mphahlele<br>480716<br>23.02.2025 | Train |
| 10176 | A | Press AUTH LEFT BUTTON 50S5                                       |  | OK |    | Mphato Mphahlele<br>480716<br>23.02.2025 | Train |
| 10177 | A | Press AUTH RIGHT BUTTON 50S6                                      |  | OK |    | Mphato Mphahlele<br>480716<br>23.02.2025 | Train |
| 10178 | A | Press the OPEN LEFT button 50S1                                   |  | OK |    | Mphato Mphahlele<br>480716               | Train |

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| 10179 | A | Press the OPEN RIGHT button 50S2                    |  | OK |  | Mphato Mphahlele<br>480716<br>23.02.2025 | Train |
| 10180 | A | Press the CLOSE LEFT button 50S3                    |  | OK |  | Mphato Mphahlele<br>480716<br>23.02.2025 | Train |
| 10181 | A | Press the CLOSE RIGHT button 50S4                   |  | OK |  | Mphato Mphahlele<br>480716<br>23.02.2025 | Train |
| 10182 | R | The TC1 doors closes                                |  | OK |  | Mphato Mphahlele<br>480716<br>23.02.2025 | Train |
| 10183 | A | Activate the lockout device on ALL TC1 Doors        |  | OK |  | Mphato Mphahlele<br>480716<br>23.02.2025 | Train |
| 10184 | R | Doors of TC1 appear as OUT OF SERVICE on DDU screen |  | OK |  | Mphato Mphahlele<br>480716<br>23.02.2025 | Train |
| 10185 | A | Try to manually open the doors                      |  | OK |  | Mphato Mphahlele<br>480716<br>23.02.2025 | Train |
| 10186 | R | It is not possible to open any of the doors         |  | OK |  | Mphato Mphahlele<br>480716<br>23.02.2025 | Train |
| 10187 | A | Pull the PEAs                                       |  | OK |  | Mphato Mphahlele<br>480716<br>23.02.2025 | Train |
| 10188 | A | Try to manually open the doors                      |  | OK |  | Mphato Mphahlele<br>480716<br>23.02.2025 | Train |
| 10189 | R | It is not possible to open any of the doors         |  | OK |  | Mphato Mphahlele<br>480716<br>23.02.2025 | Train |
| 10190 | A | Press AUTH LEFT BUTTON 50S5                         |  | OK |  | Mphato Mphahlele<br>480716<br>23.02.2025 | Train |
| 10191 | A | Press AUTH RIGHT BUTTON 50S6                        |  | OK |  | Mphato Mphahlele<br>480716<br>23.02.2025 | Train |
| 10192 | A | Press the OPEN LEFT button 50S1                     |  | OK |  | Mphato Mphahlele<br>480716<br>23.02.2025 | Train |
| 10193 | A | Press the OPEN RIGHT button 50S2                    |  | OK |  | Mphato Mphahlele<br>480716<br>23.02.2025 | Train |
| 10194 | R | All Train doors are open except for TC1 doors       |  | OK |  | Mphato Mphahlele<br>480716<br>23.02.2025 | Train |
| 10195 | A | Press the button 54S3 to acknowledge PEA            |  | OK |  | Mphato Mphahlele<br>480716<br>23.02.2025 | Train |
| 10196 | A | Release the lockout devices                         |  | OK |  | Mphato Mphahlele<br>480716<br>23.02.2025 | Train |



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| 10197 | A | Reset the PEAs using the switch 44S6                                     |  | OK |    | Mphato Mphahlele<br>480716<br>23.02.2025 | Train |
| 10198 | A | Press the CLOSE LEFT button 50S3                                         |  | OK |    | Mphato Mphahlele<br>480716<br>23.02.2025 | Train |
| 10199 | A | Press the CLOSE RIGHT button 50S4                                        |  | OK |    | Mphato Mphahlele<br>480716<br>23.02.2025 | Train |
| 10200 | R | Doors appears as Closed on the DDU screen                                |  | OK |    | Mphato Mphahlele<br>480716<br>23.02.2025 | Train |
| 10201 | R | Read Defined Variable [TT]<br>(MPU1)li_dor_tc1alldoorsclosedr1 = 0.0     |  | OK | 0  | Mphato Mphahlele<br>480716<br>23.02.2025 | Train |
| 10202 | I | M4 car                                                                   |  | OK |    | Mphato Mphahlele<br>480716<br>23.02.2025 | Train |
| 10203 | A | Try to manually open ALL M4 DOORS                                        |  | OK |    | Mphato Mphahlele<br>480716<br>23.02.2025 | Train |
| 10204 | R | It is not possible to manually open any of the doors                     |  | OK |    | Mphato Mphahlele<br>480716<br>23.02.2025 | Train |
| 10205 | A | Pull the PEA using the Force gauge while measuring the effort of the PEA |  | OK |    | Mphato Mphahlele<br>480716<br>23.02.2025 | Train |
| 10206 | R | DOOR1 PEA effort<br>Result Max : x <= 120 (N)                            |  | OK | 72 | Mphato Mphahlele<br>480716<br>23.02.2025 | Train |
| 10207 | R | DOOR2 PEA effort<br>Result Max : x <= 120 (N)                            |  | OK | 69 | Mphato Mphahlele<br>480716<br>23.02.2025 | Train |
| 10208 | R | DOOR3 PEA effort<br>Result Max : x <= 120 (N)                            |  | OK | 68 | Mphato Mphahlele<br>480716<br>23.02.2025 | Train |
| 10209 | R | DOOR4 PEA effort<br>Result Max : x <= 120 (N)                            |  | OK | 81 | Mphato Mphahlele<br>480716<br>23.02.2025 | Train |
| 10210 | R | DOOR5 PEA effort<br>Result Max : x <= 120 (N)                            |  | OK | 75 | Mphato Mphahlele<br>480716<br>23.02.2025 | Train |
| 10211 | R | DOOR6 PEA effort<br>Result Max : x <= 120 (N)                            |  | OK | 87 | Mphato Mphahlele<br>480716<br>23.02.2025 | Train |
| 10212 | A | Manually open the doors                                                  |  | OK |    | Mphato Mphahlele<br>480716<br>23.02.2025 | Train |
| 10213 | R | Doors opens freely                                                       |  | OK |    | Mphato Mphahlele<br>480716<br>23.02.2025 | Train |
| 10214 | A | Press AUTH LEFT BUTTON 50S5                                              |  | OK |    | Mphato Mphahlele<br>480716<br>23.02.2025 | Train |
| 10215 | A | Press AUTH RIGHT BUTTON 50S6                                             |  | OK |    | Mphato Mphahlele<br>480716               | Train |

|       |   |                                                                  |  |    |   |                                          |       |
|-------|---|------------------------------------------------------------------|--|----|---|------------------------------------------|-------|
|       |   |                                                                  |  |    |   | 23.02.2025                               |       |
| 10216 | A | Press the OPEN LEFT button 50S1                                  |  | OK |   | Mphato Mphahlele<br>480716<br>23.02.2025 | Train |
| 10217 | A | Press the OPEN RIGHT button 50S2                                 |  | OK |   | Mphato Mphahlele<br>480716<br>23.02.2025 | Train |
| 10218 | R | Read Defined Variable [TT]<br>(MPU1)lo_dor_m4opendoorright = 1.0 |  | OK | 1 | Mphato Mphahlele<br>480716<br>23.02.2025 | Train |
| 10219 | R | Read Defined Variable [TT]<br>(MPU1)lo_dor_m4opendoorleft = 1.0  |  | OK | 1 | Mphato Mphahlele<br>480716<br>23.02.2025 | Train |
| 10220 | A | Press the CLOSE LEFT button 50S3                                 |  | OK |   | Mphato Mphahlele<br>480716<br>23.02.2025 | Train |
| 10221 | A | Press the CLOSE RIGHT button 50S4                                |  | OK |   | Mphato Mphahlele<br>480716<br>23.02.2025 | Train |
| 10222 | R | The M4 doors remains open                                        |  | OK |   | Mphato Mphahlele<br>480716<br>23.02.2025 | Train |
| 10223 | A | Press the button 54S3 to acknowledge<br>PEAs                     |  | OK |   | Mphato Mphahlele<br>480716<br>23.02.2025 | Train |
| 10224 | A | Reset the PEA using switch 44S6                                  |  | OK |   | Mphato Mphahlele<br>480716<br>23.02.2025 | Train |
| 10225 | A | Press AUTH LEFT BUTTON 50S5                                      |  | OK |   | Mphato Mphahlele<br>480716<br>23.02.2025 | Train |
| 10226 | A | Press AUTH RIGHT BUTTON 50S6                                     |  | OK |   | Mphato Mphahlele<br>480716<br>23.02.2025 | Train |
| 10227 | A | Press the OPEN LEFT button 50S1                                  |  | OK |   | Mphato Mphahlele<br>480716<br>23.02.2025 | Train |
| 10228 | A | Press the OPEN RIGHT button 50S2                                 |  | OK |   | Mphato Mphahlele<br>480716<br>23.02.2025 | Train |
| 10229 | A | Press the CLOSE LEFT button 50S3                                 |  | OK |   | Mphato Mphahlele<br>480716<br>23.02.2025 | Train |
| 10230 | A | Press the CLOSE RIGHT button 50S4                                |  | OK |   | Mphato Mphahlele<br>480716<br>23.02.2025 | Train |
| 10231 | R | The M4 doors closes                                              |  | OK |   | Mphato Mphahlele<br>480716<br>23.02.2025 | Train |
| 10232 | A | Activate the lockout device on ALL M4<br>Doors                   |  | OK |   | Mphato Mphahlele<br>480716<br>23.02.2025 | Train |
| 10233 | R | Doors of M4 appear as OUT OF SERVICE<br>on DDU screen            |  | OK |   | Mphato Mphahlele<br>480716<br>23.02.2025 | Train |

|       |   |                                                                      |  |    |   |                                          |       |
|-------|---|----------------------------------------------------------------------|--|----|---|------------------------------------------|-------|
| 10234 | A | Try to manually open the doors                                       |  | OK |   | Mphato Mphahlele<br>480716<br>23.02.2025 | Train |
| 10235 | R | It is not possible to open any of the doors                          |  | OK |   | Mphato Mphahlele<br>480716<br>23.02.2025 | Train |
| 10236 | A | Pull the PEAs                                                        |  | OK |   | Mphato Mphahlele<br>480716<br>23.02.2025 | Train |
| 10237 | A | Try to manually open the doors                                       |  | OK |   | Mphato Mphahlele<br>480716<br>23.02.2025 | Train |
| 10238 | R | It is not possible to open any of the doors                          |  | OK |   | Mphato Mphahlele<br>480716<br>23.02.2025 | Train |
| 10239 | A | Press AUTH LEFT BUTTON 50S5                                          |  | OK |   | Mphato Mphahlele<br>480716<br>23.02.2025 | Train |
| 10240 | A | Press AUTH RIGHT BUTTON 50S6                                         |  | OK |   | Mphato Mphahlele<br>480716<br>23.02.2025 | Train |
| 10241 | A | Press the OPEN LEFT button 50S1                                      |  | OK |   | Mphato Mphahlele<br>480716<br>23.02.2025 | Train |
| 10242 | A | Press the OPEN RIGHT button 50S2                                     |  | OK |   | Mphato Mphahlele<br>480716<br>23.02.2025 | Train |
| 10243 | R | All Train doors are open except for M4 doors                         |  | OK |   | Mphato Mphahlele<br>480716<br>23.02.2025 | Train |
| 10244 | A | Press the button 54S3 to acknowledge PEA                             |  | OK |   | Mphato Mphahlele<br>480716<br>23.02.2025 | Train |
| 10245 | A | Release the lockout devices                                          |  | OK |   | Mphato Mphahlele<br>480716<br>23.02.2025 | Train |
| 10246 | A | Reset the PEAs using the switch 44S6                                 |  | OK |   | Mphato Mphahlele<br>480716<br>23.02.2025 | Train |
| 10247 | A | Press the CLOSE LEFT button 50S3                                     |  | OK |   | Mphato Mphahlele<br>480716<br>23.02.2025 | Train |
| 10248 | A | Press the CLOSE RIGHT button 50S4                                    |  | OK |   | Mphato Mphahlele<br>480716<br>23.02.2025 | Train |
| 10249 | R | Doors appears as Closed on the DDU screen                            |  | OK |   | Mphato Mphahlele<br>480716<br>23.02.2025 | Train |
| 10250 | R | Read Defined Variable [TT]<br>(MPU1)li_dor_tc1alldoorsclosedr1 = 0.0 |  | OK | 0 | Mphato Mphahlele<br>480716<br>23.02.2025 | Train |
| 10251 | I | M1 car                                                               |  | OK |   | Mphato Mphahlele<br>480716<br>23.02.2025 | Train |
| 10252 | A | Try to manually open ALL M1 DOORS                                    |  | OK |   | Mphato Mphahlele<br>480716               | Train |

|       |   |                                                                          |  |    |      |                                          |       |
|-------|---|--------------------------------------------------------------------------|--|----|------|------------------------------------------|-------|
|       |   |                                                                          |  |    |      | 23.02.2025                               |       |
| 10253 | R | It is not possible to manually open any of the doors                     |  | OK |      | Mphato Mphahlele<br>480716<br>23.02.2025 | Train |
| 10254 | A | Pull the PEA using the Force gauge while measuring the effort of the PEA |  | OK |      | Mphato Mphahlele<br>480716<br>23.02.2025 | Train |
| 10255 | R | DOOR1 PEA effort<br>Result Max : x <= 120 (N)                            |  | OK | 86   | Mphato Mphahlele<br>480716<br>23.02.2025 | Train |
| 10256 | R | DOOR2 PEA effort<br>Result Max : x <= 120 (N)                            |  | OK | 61   | Mphato Mphahlele<br>480716<br>23.02.2025 | Train |
| 10257 | R | DOOR3 PEA effort<br>Result Max : x <= 120 (N)                            |  | OK | 78   | Mphato Mphahlele<br>480716<br>23.02.2025 | Train |
| 10258 | R | DOOR4 PEA effort<br>Result Max : x <= 120 (N)                            |  | OK | 89   | Mphato Mphahlele<br>480716<br>23.02.2025 | Train |
| 10259 | R | DOOR5 PEA effort<br>Result Max : x <= 120 (N)                            |  | OK | 96   | Mphato Mphahlele<br>480716<br>23.02.2025 | Train |
| 10260 | R | DOOR6 PEA effort<br>Result Max : x <= 120 (N)                            |  | OK | 98.6 | Mphato Mphahlele<br>480716<br>23.02.2025 | Train |
| 10261 | A | Manually open the doors                                                  |  | OK |      | Mphato Mphahlele<br>480716<br>23.02.2025 | Train |
| 10262 | R | Doors opens freely                                                       |  | OK |      | Mphato Mphahlele<br>480716<br>23.02.2025 | Train |
| 10263 | A | Press AUTH LEFT BUTTON 50S5                                              |  | OK |      | Mphato Mphahlele<br>480716<br>23.02.2025 | Train |
| 10264 | A | Press AUTH RIGHT BUTTON 50S6                                             |  | OK |      | Mphato Mphahlele<br>480716<br>23.02.2025 | Train |
| 10265 | A | Press the OPEN LEFT button 50S1                                          |  | OK |      | Mphato Mphahlele<br>480716<br>23.02.2025 | Train |
| 10266 | A | Press the OPEN RIGHT button 50S2                                         |  | OK |      | Mphato Mphahlele<br>480716<br>23.02.2025 | Train |
| 10267 | R | Read Defined Variable [TT]<br>(MPU1)lo_dor_m1opendoorright = 1.0         |  | OK | 1    | Mphato Mphahlele<br>480716<br>23.02.2025 | Train |
| 10268 | R | Read Defined Variable [TT]<br>(MPU1)lo_dor_m2opendoorleft = 1.0          |  | OK | 1    | Mphato Mphahlele<br>480716<br>23.02.2025 | Train |
| 10269 | A | Press the CLOSE LEFT button 50S3                                         |  | OK |      | Mphato Mphahlele<br>480716<br>23.02.2025 | Train |
| 10270 | A | Press the CLOSE RIGHT button 50S4                                        |  | OK |      | Mphato Mphahlele<br>480716<br>23.02.2025 | Train |

|       |   |                                                    |  |    |  |                                          |       |
|-------|---|----------------------------------------------------|--|----|--|------------------------------------------|-------|
| 10271 | R | The M1 doors remains open                          |  | OK |  | Mphato Mphahlele<br>480716<br>23.02.2025 | Train |
| 10272 | A | Press the button 54S3 to acknowledge PEAs          |  | OK |  | Mphato Mphahlele<br>480716<br>23.02.2025 | Train |
| 10273 | A | Reset the PEA using switch 44S6                    |  | OK |  | Mphato Mphahlele<br>480716<br>23.02.2025 | Train |
| 10274 | A | Press AUTH LEFT BUTTON 50S5                        |  | OK |  | Mphato Mphahlele<br>480716<br>23.02.2025 | Train |
| 10275 | A | Press AUTH RIGHT BUTTON 50S6                       |  | OK |  | Mphato Mphahlele<br>480716<br>23.02.2025 | Train |
| 10276 | A | Press the OPEN LEFT button 50S1                    |  | OK |  | Mphato Mphahlele<br>480716<br>23.02.2025 | Train |
| 10277 | A | Press the OPEN RIGHT button 50S2                   |  | OK |  | Mphato Mphahlele<br>480716<br>23.02.2025 | Train |
| 10278 | A | Press the CLOSE LEFT button 50S3                   |  | OK |  | Mphato Mphahlele<br>480716<br>23.02.2025 | Train |
| 10279 | A | Press the CLOSE RIGHT button 50S4                  |  | OK |  | Mphato Mphahlele<br>480716<br>23.02.2025 | Train |
| 10280 | R | The M1 doors closes                                |  | OK |  | Mphato Mphahlele<br>480716<br>23.02.2025 | Train |
| 10281 | A | Activate the lockout device on ALL M1 Doors        |  | OK |  | Mphato Mphahlele<br>480716<br>23.02.2025 | Train |
| 10282 | R | Doors of M1 appear as OUT OF SERVICE on DDU screen |  | OK |  | Mphato Mphahlele<br>480716<br>23.02.2025 | Train |
| 10283 | A | Try to manually open the doors                     |  | OK |  | Mphato Mphahlele<br>480716<br>23.02.2025 | Train |
| 10284 | R | It is not possible to open any of the doors        |  | OK |  | Mphato Mphahlele<br>480716<br>23.02.2025 | Train |
| 10285 | A | Pull the PEAs                                      |  | OK |  | Mphato Mphahlele<br>480716<br>23.02.2025 | Train |
| 10286 | A | Try to manually open the doors                     |  | OK |  | Mphato Mphahlele<br>480716<br>23.02.2025 | Train |
| 10287 | R | It is not possible to open any of the doors        |  | OK |  | Mphato Mphahlele<br>480716<br>23.02.2025 | Train |
| 10288 | A | Press AUTH LEFT BUTTON 50S5                        |  | OK |  | Mphato Mphahlele<br>480716<br>23.02.2025 | Train |
| 10289 | A | Press AUTH RIGHT BUTTON 50S6                       |  | OK |  | Mphato Mphahlele<br>480716               | Train |

|       |   |                                                                          |  |    |      |                                          |       |
|-------|---|--------------------------------------------------------------------------|--|----|------|------------------------------------------|-------|
|       |   |                                                                          |  |    |      | 23.02.2025                               |       |
| 10290 | A | Press the OPEN LEFT button 50S1                                          |  | OK |      | Mphato Mphahlele<br>480716<br>23.02.2025 | Train |
| 10291 | A | Press the OPEN RIGHT button 50S2                                         |  | OK |      | Mphato Mphahlele<br>480716<br>23.02.2025 | Train |
| 10292 | R | All Train doors are open except for M1 doors                             |  | OK |      | Mphato Mphahlele<br>480716<br>23.02.2025 | Train |
| 10293 | A | Press the button 54S3 to acknowledge PEA                                 |  | OK |      | Mphato Mphahlele<br>480716<br>23.02.2025 | Train |
| 10294 | A | Release the lockout devices                                              |  | OK |      | Mphato Mphahlele<br>480716<br>23.02.2025 | Train |
| 10295 | A | Reset the PEAs using the switch 44S6                                     |  | OK |      | Mphato Mphahlele<br>480716<br>23.02.2025 | Train |
| 10296 | A | Press the CLOSE LEFT button 50S3                                         |  | OK |      | Mphato Mphahlele<br>480716<br>23.02.2025 | Train |
| 10297 | A | Press the CLOSE RIGHT button 50S4                                        |  | OK |      | Mphato Mphahlele<br>480716<br>23.02.2025 | Train |
| 10298 | R | Doors appears as Closed on the DDU screen                                |  | OK |      | Mphato Mphahlele<br>480716<br>23.02.2025 | Train |
| 10299 | R | Read Defined Variable [TT]<br>(MPU1)li_dor_tc1alldoorsclosedr1 = 0.0     |  | OK | 0    | Mphato Mphahlele<br>480716<br>23.02.2025 | Train |
| 10300 | I | M2 car                                                                   |  | OK |      | Mphato Mphahlele<br>480716<br>23.02.2025 | Train |
| 10301 | A | Try to manually open ALL M2 DOORS                                        |  | OK |      | Mphato Mphahlele<br>480716<br>23.02.2025 | Train |
| 10302 | R | It is not possible to manually open any of the doors                     |  | OK |      | Mphato Mphahlele<br>480716<br>23.02.2025 | Train |
| 10303 | A | Pull the PEA using the Force gauge while measuring the effort of the PEA |  | OK |      | Mphato Mphahlele<br>480716<br>23.02.2025 | Train |
| 10304 | R | DOOR1 PEA effort<br>Result Max : x <= 120 (N)                            |  | OK | 89.7 | Mphato Mphahlele<br>480716<br>23.02.2025 | Train |
| 10305 | R | DOOR2 PEA effort<br>Result Max : x <= 120 (N)                            |  | OK | 98   | Mphato Mphahlele<br>480716<br>23.02.2025 | Train |
| 10306 | R | DOOR3 PEA effort<br>Result Max : x <= 120 (N)                            |  | OK | 86   | Mphato Mphahlele<br>480716<br>23.02.2025 | Train |
| 10307 | R | DOOR4 PEA effort<br>Result Max : x <= 120 (N)                            |  | OK | 98   | Mphato Mphahlele<br>480716<br>23.02.2025 | Train |

|       |   |                                                                  |  |    |      |                                          |       |
|-------|---|------------------------------------------------------------------|--|----|------|------------------------------------------|-------|
| 10308 | R | DOOR5 PEA effort<br>Result Max : x <= 120 (N)                    |  | OK | 98.6 | Mphato Mphahlele<br>480716<br>23.02.2025 | Train |
| 10309 | R | DOOR6 PEA effort<br>Result Max : x <= 120 (N)                    |  | OK | 95.6 | Mphato Mphahlele<br>480716<br>23.02.2025 | Train |
| 10310 | A | Manually open the doors                                          |  | OK |      | Mphato Mphahlele<br>480716<br>23.02.2025 | Train |
| 10311 | R | Doors opens freely                                               |  | OK |      | Mphato Mphahlele<br>480716<br>23.02.2025 | Train |
| 10312 | A | Press AUTH LEFT BUTTON 50S5                                      |  | OK |      | Mphato Mphahlele<br>480716<br>23.02.2025 | Train |
| 10313 | A | Press AUTH RIGHT BUTTON 50S6                                     |  | OK |      | Mphato Mphahlele<br>480716<br>23.02.2025 | Train |
| 10314 | A | Press the OPEN LEFT button 50S1                                  |  | OK |      | Mphato Mphahlele<br>480716<br>23.02.2025 | Train |
| 10315 | A | Press the OPEN RIGHT button 50S2                                 |  | OK |      | Mphato Mphahlele<br>480716<br>23.02.2025 | Train |
| 10316 | R | Read Defined Variable [TT]<br>(MPU1)lo_dor_m2opendoorright = 1.0 |  | OK | 1    | Mphato Mphahlele<br>480716<br>23.02.2025 | Train |
| 10317 | R | Read Defined Variable [TT]<br>(MPU1)lo_dor_m2opendoorleft = 1.0  |  | OK | 1    | Mphato Mphahlele<br>480716<br>23.02.2025 | Train |
| 10318 | A | Press the CLOSE LEFT button 50S3                                 |  | OK |      | Mphato Mphahlele<br>480716<br>23.02.2025 | Train |
| 10319 | A | Press the CLOSE RIGHT button 50S4                                |  | OK |      | Mphato Mphahlele<br>480716<br>23.02.2025 | Train |
| 10320 | R | The M2 doors remains open                                        |  | OK |      | Mphato Mphahlele<br>480716<br>23.02.2025 | Train |
| 10321 | A | Press the button 54S3 to acknowledge<br>PEAs                     |  | OK |      | Mphato Mphahlele<br>480716<br>23.02.2025 | Train |
| 10322 | A | Reset the PEA using switch 44S6                                  |  | OK |      | Mphato Mphahlele<br>480716<br>23.02.2025 | Train |
| 10323 | A | Press AUTH LEFT BUTTON 50S5                                      |  | OK |      | Mphato Mphahlele<br>480716<br>23.02.2025 | Train |
| 10324 | A | Press AUTH RIGHT BUTTON 50S6                                     |  | OK |      | Mphato Mphahlele<br>480716<br>23.02.2025 | Train |
| 10325 | A | Press the OPEN LEFT button 50S1                                  |  | OK |      | Mphato Mphahlele<br>480716<br>23.02.2025 | Train |
| 10326 | A | Press the OPEN RIGHT button 50S2                                 |  | OK |      | Mphato Mphahlele<br>480716               | Train |

|       |   |                                                    |  |    |  |                                          |       |
|-------|---|----------------------------------------------------|--|----|--|------------------------------------------|-------|
|       |   |                                                    |  |    |  | 23.02.2025                               |       |
| 10327 | A | Press the CLOSE LEFT button 50S3                   |  | OK |  | Mphato Mphahlele<br>480716<br>23.02.2025 | Train |
| 10328 | A | Press the CLOSE RIGHT button 50S4                  |  | OK |  | Mphato Mphahlele<br>480716<br>23.02.2025 | Train |
| 10329 | R | The M2 doors closes                                |  | OK |  | Mphato Mphahlele<br>480716<br>23.02.2025 | Train |
| 10330 | A | Activate the lockout device on ALL M2 Doors        |  | OK |  | Mphato Mphahlele<br>480716<br>23.02.2025 | Train |
| 10331 | R | Doors of M2 appear as OUT OF SERVICE on DDU screen |  | OK |  | Mphato Mphahlele<br>480716<br>23.02.2025 | Train |
| 10332 | A | Try to manually open the doors                     |  | OK |  | Mphato Mphahlele<br>480716<br>23.02.2025 | Train |
| 10333 | R | It is not possible to open any of the doors        |  | OK |  | Mphato Mphahlele<br>480716<br>23.02.2025 | Train |
| 10334 | A | Pull the PEAs                                      |  | OK |  | Mphato Mphahlele<br>480716<br>23.02.2025 | Train |
| 10335 | A | Try to manually open the doors                     |  | OK |  | Mphato Mphahlele<br>480716<br>23.02.2025 | Train |
| 10336 | R | It is not possible to open any of the doors        |  | OK |  | Mphato Mphahlele<br>480716<br>23.02.2025 | Train |
| 10337 | A | Press AUTH LEFT BUTTON 50S5                        |  | OK |  | Mphato Mphahlele<br>480716<br>23.02.2025 | Train |
| 10338 | A | Press AUTH RIGHT BUTTON 50S6                       |  | OK |  | Mphato Mphahlele<br>480716<br>23.02.2025 | Train |
| 10339 | A | Press the OPEN LEFT button 50S1                    |  | OK |  | Mphato Mphahlele<br>480716<br>23.02.2025 | Train |
| 10340 | A | Press the OPEN RIGHT button 50S2                   |  | OK |  | Mphato Mphahlele<br>480716<br>23.02.2025 | Train |
| 10341 | R | All Train doors are open except for M2 doors       |  | OK |  | Mphato Mphahlele<br>480716<br>23.02.2025 | Train |
| 10342 | A | Press the button 54S3 to acknowledge PEA           |  | OK |  | Mphato Mphahlele<br>480716<br>23.02.2025 | Train |
| 10343 | A | Release the lockout devices                        |  | OK |  | Mphato Mphahlele<br>480716<br>23.02.2025 | Train |
| 10344 | A | Reset the PEAs using the switch 44S6               |  | OK |  | Mphato Mphahlele<br>480716<br>23.02.2025 | Train |



|       |   |                                                                          |  |    |       |                                          |       |
|-------|---|--------------------------------------------------------------------------|--|----|-------|------------------------------------------|-------|
| 10345 | A | Press the CLOSE LEFT button 50S3                                         |  | OK |       | Mphato Mphahlele<br>480716<br>23.02.2025 | Train |
| 10346 | A | Press the CLOSE RIGHT button 50S4                                        |  | OK |       | Mphato Mphahlele<br>480716<br>23.02.2025 | Train |
| 10347 | R | Doors appears as Closed on the DDU screen                                |  | OK |       | Mphato Mphahlele<br>480716<br>23.02.2025 | Train |
| 10348 | R | Read Defined Variable [TT]<br>(MPU1)li_dor_tc1alldoorsclosedr1 = 0.0     |  | OK | 0     | Mphato Mphahlele<br>480716<br>23.02.2025 | Train |
| 10349 | I | M3 car                                                                   |  | OK |       | Mphato Mphahlele<br>480716<br>23.02.2025 | Train |
| 10350 | A | Try to manually open ALL M3 DOORS                                        |  | OK |       | Mphato Mphahlele<br>480716<br>23.02.2025 | Train |
| 10351 | R | It is not possible to manually open any of the doors                     |  | OK |       | Mphato Mphahlele<br>480716<br>23.02.2025 | Train |
| 10352 | A | Pull the PEA using the Force gauge while measuring the effort of the PEA |  | OK |       | Mphato Mphahlele<br>480716<br>23.02.2025 | Train |
| 10353 | R | DOOR1 PEA effort<br>Result Max : x <= 120 (N)                            |  | OK | 87.7  | Mphato Mphahlele<br>480716<br>23.02.2025 | Train |
| 10354 | R | DOOR2 PEA effort<br>Result Max : x <= 120 (N)                            |  | OK | 96.4  | Mphato Mphahlele<br>480716<br>23.02.2025 | Train |
| 10355 | R | DOOR3 PEA effort<br>Result Max : x <= 120 (N)                            |  | OK | 102.4 | Mphato Mphahlele<br>480716<br>23.02.2025 | Train |
| 10356 | R | DOOR4 PEA effort<br>Result Max : x <= 120 (N)                            |  | OK | 104   | Mphato Mphahlele<br>480716<br>23.02.2025 | Train |
| 10357 | R | DOOR5 PEA effort<br>Result Max : x <= 120 (N)                            |  | OK | 102   | Mphato Mphahlele<br>480716<br>23.02.2025 | Train |
| 10358 | R | DOOR6 PEA effort<br>Result Max : x <= 120 (N)                            |  | OK | 98.6  | Mphato Mphahlele<br>480716<br>23.02.2025 | Train |
| 10359 | A | Manually open the doors                                                  |  | OK |       | Mphato Mphahlele<br>480716<br>23.02.2025 | Train |
| 10360 | R | Doors opens freely                                                       |  | OK |       | Mphato Mphahlele<br>480716<br>23.02.2025 | Train |
| 10361 | A | Press AUTH LEFT BUTTON 50S5                                              |  | OK |       | Mphato Mphahlele<br>480716<br>23.02.2025 | Train |
| 10362 | A | Press AUTH RIGHT BUTTON 50S6                                             |  | OK |       | Mphato Mphahlele<br>480716<br>23.02.2025 | Train |
| 10363 | A | Press the OPEN LEFT button 50S1                                          |  | OK |       | Mphato Mphahlele<br>480716               | Train |

|       |   |                                                                  |  |    |   |                                          |       |
|-------|---|------------------------------------------------------------------|--|----|---|------------------------------------------|-------|
|       |   |                                                                  |  |    |   | 23.02.2025                               |       |
| 10364 | A | Press the OPEN RIGHT button 50S2                                 |  | OK |   | Mphato Mphahlele<br>480716<br>23.02.2025 | Train |
| 10365 | R | Read Defined Variable [TT]<br>(MPU1)lo_dor_m3opendoorright = 1.0 |  | OK | 1 | Mphato Mphahlele<br>480716<br>23.02.2025 | Train |
| 10366 | R | Read Defined Variable [TT]<br>(MPU1)lo_dor_m3opendoorleft = 1.0  |  | OK | 1 | Mphato Mphahlele<br>480716<br>23.02.2025 | Train |
| 10367 | A | Press the CLOSE LEFT button 50S3                                 |  | OK |   | Mphato Mphahlele<br>480716<br>23.02.2025 | Train |
| 10368 | A | Press the CLOSE RIGHT button 50S4                                |  | OK |   | Mphato Mphahlele<br>480716<br>23.02.2025 | Train |
| 10369 | R | The M3 doors remains open                                        |  | OK |   | Mphato Mphahlele<br>480716<br>23.02.2025 | Train |
| 10370 | A | Press the button 54S3 to acknowledge<br>PEAs                     |  | OK |   | Mphato Mphahlele<br>480716<br>23.02.2025 | Train |
| 10371 | A | Reset the PEA using switch 44S6                                  |  | OK |   | Mphato Mphahlele<br>480716<br>23.02.2025 | Train |
| 10372 | A | Press AUTH LEFT BUTTON 50S5                                      |  | OK |   | Mphato Mphahlele<br>480716<br>23.02.2025 | Train |
| 10373 | A | Press AUTH RIGHT BUTTON 50S6                                     |  | OK |   | Mphato Mphahlele<br>480716<br>23.02.2025 | Train |
| 10374 | A | Press the OPEN LEFT button 50S1                                  |  | OK |   | Mphato Mphahlele<br>480716<br>23.02.2025 | Train |
| 10375 | A | Press the OPEN RIGHT button 50S2                                 |  | OK |   | Mphato Mphahlele<br>480716<br>23.02.2025 | Train |
| 10376 | A | Press the CLOSE LEFT button 50S3                                 |  | OK |   | Mphato Mphahlele<br>480716<br>23.02.2025 | Train |
| 10377 | A | Press the CLOSE RIGHT button 50S4                                |  | OK |   | Mphato Mphahlele<br>480716<br>23.02.2025 | Train |
| 10378 | R | The M3 doors closes                                              |  | OK |   | Mphato Mphahlele<br>480716<br>23.02.2025 | Train |
| 10379 | A | Activate the lockout device on ALL M3<br>Doors                   |  | OK |   | Mphato Mphahlele<br>480716<br>23.02.2025 | Train |
| 10380 | R | Doors of M3 appear as OUT OF SERVICE<br>on DDU screen            |  | OK |   | Mphato Mphahlele<br>480716<br>23.02.2025 | Train |
| 10381 | A | Try to manually open the doors                                   |  | OK |   | Mphato Mphahlele<br>480716<br>23.02.2025 | Train |

|       |   |                                                                      |  |    |   |                                          |       |
|-------|---|----------------------------------------------------------------------|--|----|---|------------------------------------------|-------|
| 10382 | R | It is not possible to open any of the doors                          |  | OK |   | Mphato Mphahlele<br>480716<br>23.02.2025 | Train |
| 10383 | A | Pull the PEAs                                                        |  | OK |   | Mphato Mphahlele<br>480716<br>23.02.2025 | Train |
| 10384 | A | Try to manually open the doors                                       |  | OK |   | Mphato Mphahlele<br>480716<br>23.02.2025 | Train |
| 10385 | R | It is not possible to open any of the doors                          |  | OK |   | Mphato Mphahlele<br>480716<br>23.02.2025 | Train |
| 10386 | A | Press AUTH LEFT BUTTON 50S5                                          |  | OK |   | Mphato Mphahlele<br>480716<br>23.02.2025 | Train |
| 10387 | A | Press AUTH RIGHT BUTTON 50S6                                         |  | OK |   | Mphato Mphahlele<br>480716<br>23.02.2025 | Train |
| 10388 | A | Press the OPEN LEFT button 50S1                                      |  | OK |   | Mphato Mphahlele<br>480716<br>23.02.2025 | Train |
| 10389 | A | Press the OPEN RIGHT button 50S2                                     |  | OK |   | Mphato Mphahlele<br>480716<br>23.02.2025 | Train |
| 10390 | R | All Train doors are open except for M3 doors                         |  | OK |   | Mphato Mphahlele<br>480716<br>23.02.2025 | Train |
| 10391 | A | Press the button 54S3 to acknowledge PEA                             |  | OK |   | Mphato Mphahlele<br>480716<br>23.02.2025 | Train |
| 10392 | A | Release the lockout devices                                          |  | OK |   | Mphato Mphahlele<br>480716<br>23.02.2025 | Train |
| 10393 | A | Reset the PEAs using the switch 44S6                                 |  | OK |   | Mphato Mphahlele<br>480716<br>23.02.2025 | Train |
| 10394 | A | Press the CLOSE LEFT button 50S3                                     |  | OK |   | Mphato Mphahlele<br>480716<br>23.02.2025 | Train |
| 10395 | A | Press the CLOSE RIGHT button 50S4                                    |  | OK |   | Mphato Mphahlele<br>480716<br>23.02.2025 | Train |
| 10396 | R | Doors appears as Closed on the DDU screen                            |  | OK |   | Mphato Mphahlele<br>480716<br>23.02.2025 | Train |
| 10397 | R | Read Defined Variable [TT]<br>(MPU1)li_dor_tc1alldoorsclosedr1 = 0.0 |  | OK | 0 | Mphato Mphahlele<br>480716<br>23.02.2025 | Train |
| 10398 | I | TC2 car                                                              |  | OK |   | Mphato Mphahlele<br>480716<br>23.02.2025 | Train |
| 10399 | A | Try to manually open ALL TC2 DOORS                                   |  | OK |   | Mphato Mphahlele<br>480716<br>23.02.2025 | Train |

|       |   |                                                                          |  |    |      |                                          |       |
|-------|---|--------------------------------------------------------------------------|--|----|------|------------------------------------------|-------|
| 10400 | R | It is not possible to manually open any of the doors                     |  | OK |      | Mphato Mphahlele<br>480716<br>23.02.2025 | Train |
| 10401 | A | Pull the PEA using the Force gauge while measuring the effort of the PEA |  | OK |      | Mphato Mphahlele<br>480716<br>23.02.2025 | Train |
| 10402 | R | DOOR1 PEA effort<br>Result Max : x <= 120 (N)                            |  | OK | 97.2 | Mphato Mphahlele<br>480716<br>23.02.2025 | Train |
| 10403 | R | DOOR2 PEA effort<br>Result Max : x <= 120 (N)                            |  | OK | 98   | Mphato Mphahlele<br>480716<br>23.02.2025 | Train |
| 10404 | R | DOOR3 PEA effort<br>Result Max : x <= 120 (N)                            |  | OK | 107  | Mphato Mphahlele<br>480716<br>23.02.2025 | Train |
| 10405 | R | DOOR4 PEA effort<br>Result Max : x <= 120 (N)                            |  | OK | 104  | Mphato Mphahlele<br>480716<br>23.02.2025 | Train |
| 10406 | R | DOOR5 PEA effort<br>Result Max : x <= 120 (N)                            |  | OK | 99.8 | Mphato Mphahlele<br>480716<br>23.02.2025 | Train |
| 10407 | R | DOOR6 PEA effort<br>Result Max : x <= 120 (N)                            |  | OK | 93   | Mphato Mphahlele<br>480716<br>23.02.2025 | Train |
| 10408 | A | Manually open the doors                                                  |  | OK |      | Mphato Mphahlele<br>480716<br>23.02.2025 | Train |
| 10409 | R | Doors opens freely                                                       |  | OK |      | Mphato Mphahlele<br>480716<br>23.02.2025 | Train |
| 10410 | A | Press AUTH LEFT BUTTON 50S5                                              |  | OK |      | Mphato Mphahlele<br>480716<br>23.02.2025 | Train |
| 10411 | A | Press AUTH RIGHT BUTTON 50S6                                             |  | OK |      | Mphato Mphahlele<br>480716<br>23.02.2025 | Train |
| 10412 | A | Press the OPEN LEFT button 50S1                                          |  | OK |      | Mphato Mphahlele<br>480716<br>23.02.2025 | Train |
| 10413 | A | Press the OPEN RIGHT button 50S2                                         |  | OK |      | Mphato Mphahlele<br>480716<br>23.02.2025 | Train |
| 10414 | R | Read Defined Variable [TT]<br>(MPU1)lo_dor_tc2opendoorright = 1.0        |  | OK | 1    | Mphato Mphahlele<br>480716<br>23.02.2025 | Train |
| 10415 | R | Read Defined Variable [TT]<br>(MPU1)lo_dor_tc2opendoorleft = 1.0         |  | OK | 1    | Mphato Mphahlele<br>480716<br>23.02.2025 | Train |
| 10416 | A | Press the CLOSE LEFT button 50S3                                         |  | OK |      | Mphato Mphahlele<br>480716<br>23.02.2025 | Train |
| 10417 | A | Press the CLOSE RIGHT button 50S4                                        |  | OK |      | Mphato Mphahlele<br>480716<br>23.02.2025 | Train |
| 10418 | R | The TC2 doors remains open                                               |  | OK |      | Mphato Mphahlele<br>480716               | Train |

|       |   |                                                     |  |    |  |                                          |       |
|-------|---|-----------------------------------------------------|--|----|--|------------------------------------------|-------|
|       |   |                                                     |  |    |  | 23.02.2025                               |       |
| 10419 | A | Press the button 54S3 to acknowledge PEAs           |  | OK |  | Mphato Mphahlele<br>480716<br>23.02.2025 | Train |
| 10420 | A | Reset the PEA using switch 44S6                     |  | OK |  | Mphato Mphahlele<br>480716<br>23.02.2025 | Train |
| 10421 | A | Press AUTH LEFT BUTTON 50S5                         |  | OK |  | Mphato Mphahlele<br>480716<br>23.02.2025 | Train |
| 10422 | A | Press AUTH RIGHT BUTTON 50S6                        |  | OK |  | Mphato Mphahlele<br>480716<br>23.02.2025 | Train |
| 10423 | A | Press the OPEN LEFT button 50S1                     |  | OK |  | Mphato Mphahlele<br>480716<br>23.02.2025 | Train |
| 10424 | A | Press the OPEN RIGHT button 50S2                    |  | OK |  | Mphato Mphahlele<br>480716<br>23.02.2025 | Train |
| 10425 | A | Press the CLOSE LEFT button 50S3                    |  | OK |  | Mphato Mphahlele<br>480716<br>23.02.2025 | Train |
| 10426 | A | Press the CLOSE RIGHT button 50S4                   |  | OK |  | Mphato Mphahlele<br>480716<br>23.02.2025 | Train |
| 10427 | R | The TC2 doors closes                                |  | OK |  | Mphato Mphahlele<br>480716<br>23.02.2025 | Train |
| 10428 | A | Activate the lockout device on ALL TC2 Doors        |  | OK |  | Mphato Mphahlele<br>480716<br>23.02.2025 | Train |
| 10429 | R | Doors of TC2 appear as OUT OF SERVICE on DDU screen |  | OK |  | Mphato Mphahlele<br>480716<br>23.02.2025 | Train |
| 10430 | A | Try to manually open the doors                      |  | OK |  | Mphato Mphahlele<br>480716<br>23.02.2025 | Train |
| 10431 | R | It is not possible to open any of the doors         |  | OK |  | Mphato Mphahlele<br>480716<br>23.02.2025 | Train |
| 10432 | A | Pull the PEAs                                       |  | OK |  | Mphato Mphahlele<br>480716<br>23.02.2025 | Train |
| 10433 | A | Try to manually open the doors                      |  | OK |  | Mphato Mphahlele<br>480716<br>23.02.2025 | Train |
| 10434 | R | It is not possible to open any of the doors         |  | OK |  | Mphato Mphahlele<br>480716<br>23.02.2025 | Train |
| 10435 | A | Press AUTH LEFT BUTTON 50S5                         |  | OK |  | Mphato Mphahlele<br>480716<br>23.02.2025 | Train |
| 10436 | A | Press AUTH RIGHT BUTTON 50S6                        |  | OK |  | Mphato Mphahlele<br>480716<br>23.02.2025 | Train |

|       |   |                                                                                                                                             |  |    |   |                                                   |       |
|-------|---|---------------------------------------------------------------------------------------------------------------------------------------------|--|----|---|---------------------------------------------------|-------|
| 10437 | A | Press the OPEN LEFT button 50S1                                                                                                             |  | OK |   | Mphato Mphahlele<br>480716<br>23.02.2025          | Train |
| 10438 | A | Press the OPEN RIGHT button 50S2                                                                                                            |  | OK |   | Mphato Mphahlele<br>480716<br>23.02.2025          | Train |
| 10439 | R | All Train doors are open except for TC2 doors                                                                                               |  | OK |   | Mphato Mphahlele<br>480716<br>23.02.2025          | Train |
| 10440 | A | Press the button 54S3 to acknowledge PEA                                                                                                    |  | OK |   | Mphato Mphahlele<br>480716<br>23.02.2025          | Train |
| 10441 | A | Release the lockout devices                                                                                                                 |  | OK |   | Mphato Mphahlele<br>480716<br>23.02.2025          | Train |
| 10442 | A | Reset the PEAs using the switch 44S6                                                                                                        |  | OK |   | Mphato Mphahlele<br>480716<br>23.02.2025          | Train |
| 10443 | A | Press the CLOSE LEFT button 50S3                                                                                                            |  | OK |   | Mphato Mphahlele<br>480716<br>23.02.2025          | Train |
| 10444 | A | Press the CLOSE RIGHT button 50S4                                                                                                           |  | OK |   | Mphato Mphahlele<br>480716<br>23.02.2025          | Train |
| 10445 | R | Doors appears as Closed on the DDU screen                                                                                                   |  | OK |   | Mphato Mphahlele<br>480716<br>23.02.2025          | Train |
| 10446 | R | Read Defined Variable [TT]<br>(MPU1)li_dor_tc1alldoorsclosedr1 = 0.0                                                                        |  | OK | 0 | Mphato Mphahlele<br>480716<br>23.02.2025          | Train |
| 10447 | I | Door cycle test                                                                                                                             |  | OK |   | Goitsemodimo<br>Kgatitswe<br>526511<br>26.02.2025 | Train |
| 10448 | I | This test should be performed at the end of the shift when there is no one who will want to go inside the train and disrupt the test cycle. |  | OK |   | Goitsemodimo<br>Kgatitswe<br>526511<br>26.02.2025 | Train |
| 10449 | A | Check all the doors beep when opening and closing                                                                                           |  | OK |   | Goitsemodimo<br>Kgatitswe<br>526511<br>26.02.2025 | Train |
| 10450 | A | Check door lights are green when open for all doors                                                                                         |  | OK |   | Goitsemodimo<br>Kgatitswe<br>526511<br>26.02.2025 | Train |
| 10451 | A | Check door lights are red when closing from all doors                                                                                       |  | OK |   | Goitsemodimo<br>Kgatitswe<br>526511<br>26.02.2025 | Train |
| 10452 | A | Launch the door cycle test from the DDU                                                                                                     |  | OK |   | Goitsemodimo<br>Kgatitswe<br>526511<br>26.02.2025 | Train |

|       |   |                                                                                                                                                |  |    |  |                                                   |       |
|-------|---|------------------------------------------------------------------------------------------------------------------------------------------------|--|----|--|---------------------------------------------------|-------|
| 10453 | I | At the beginning of the next shift (test should be left to run overnight), all doors should still be able to open and close without any issues |  | OK |  | Goitsemodimo<br>Kgatitswe<br>526511<br>26.02.2025 | Train |
| 10454 | R | Door cycle test is successful                                                                                                                  |  | OK |  | Goitsemodimo<br>Kgatitswe<br>526511<br>26.02.2025 | Train |
| 10455 | I | End Test                                                                                                                                       |  | OK |  | Goitsemodimo<br>Kgatitswe<br>526511<br>26.02.2025 | Train |



|                                                                               |                                                    |                             |
|-------------------------------------------------------------------------------|----------------------------------------------------|-----------------------------|
| Serial Tests Report<br>TS270 – TFS<br>RTR Train Functional Static Test Report | Document Reference<br>GIB0000007854<br>Version: A0 | Emission date<br>27/02/2025 |
|-------------------------------------------------------------------------------|----------------------------------------------------|-----------------------------|



## Section 19 – Traction Interlock

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### 19.1 Instructions list

### 19.1.1 031\_TRC-Traction Interlock

I - Information      A - Action      R - Result      NE - Not Executed

| N°    | Type | Instruction                                                          | File | Result status | Result value | Operator                                 | Vehicle |
|-------|------|----------------------------------------------------------------------|------|---------------|--------------|------------------------------------------|---------|
| 10001 | I    | Traction Interlock SPP=031                                           |      | OK            |              | Siphehile Mchunu<br>491465<br>23.02.2025 | Train   |
| 10002 | I    | Initial Conditions                                                   |      | OK            |              | Siphehile Mchunu<br>491465<br>23.02.2025 | Train   |
| 10003 | I    | The direction selector switch 30A1.S2 should be in NEUTRAL position  |      | OK            |              | Siphehile Mchunu<br>491465<br>23.02.2025 | Train   |
| 10004 | I    | All doors should be closed                                           |      | OK            |              | Siphehile Mchunu<br>491465<br>23.02.2025 | Train   |
| 10005 | I    | Emergency brake should be applied                                    |      | OK            |              | Siphehile Mchunu<br>491465<br>23.02.2025 | Train   |
| 10006 | I    | PEA override switch should be in NORMAL position                     |      | OK            |              | Siphehile Mchunu<br>491465<br>23.02.2025 | Train   |
| 10007 | I    | Traction Interlock override switch 31S1 should be in NORMAL position |      | OK            |              | Siphehile Mchunu<br>491465<br>23.02.2025 | Train   |
| 10008 | I    | Backup mode switch 27S1 should be in NORMAL position                 |      | OK            |              | Siphehile Mchunu<br>491465<br>23.02.2025 | Train   |
| 10009 | I    | Start of Test                                                        |      | OK            |              | Siphehile Mchunu<br>491465<br>23.02.2025 | Train   |
| 10010 | I    | Traction Interlock TC1                                               |      | OK            |              | Siphehile Mchunu<br>491465<br>23.02.2025 | Train   |
| 10011 | A    | Active cab on TC1                                                    |      | OK            |              | Siphehile Mchunu<br>491465<br>23.02.2025 | Train   |
| 10012 | A    | Force [TT]<br>(MPU1)lo_drc_tc1tractionloopr1 = 1.0                   |      | OK            |              | Siphehile Mchunu<br>491465<br>23.02.2025 | Train   |
| 10013 | A    | Force [TT]<br>(MPU1)lo_drc_tc1tractionloopr2 = 1.0                   |      | OK            |              | Siphehile Mchunu<br>491465<br>23.02.2025 | Train   |
| 10014 | R    | Read Defined Variable [TT]<br>(MPU1)bcu1_tlnotinhib = 0.0            |      | OK            | 0            | Siphehile Mchunu<br>491465<br>23.02.2025 | Train   |
| 10015 | R    | Read Defined Variable [TT]<br>(MPU1)BCU2_TINotInhib = 0.0            |      | OK            | 0            | Siphehile Mchunu<br>491465<br>23.02.2025 | Train   |
| 10016 | R    | Read Defined Variable [TT]<br>(MPU1)TBCU1_TINotInhib = 0.0           |      | OK            | 0            | Siphehile Mchunu<br>491465<br>23.02.2025 | Train   |

|       |   |                                                                            |  |    |   |                                          |       |
|-------|---|----------------------------------------------------------------------------|--|----|---|------------------------------------------|-------|
| 10017 | R | Read Defined Variable [TT]<br>(MPU1)TBCU2_tlnotinhib = 0.0                 |  | OK | 0 | Siphehile Mchunu<br>491465<br>23.02.2025 | Train |
| 10018 | R | Read Defined Variable [TT]<br>(MPU1)tbcu3_tlnotinhib = 0.0                 |  | OK | 0 | Siphehile Mchunu<br>491465<br>23.02.2025 | Train |
| 10019 | R | Read Defined Variable [TT]<br>(MPU1)tbcu4_tlnotinhib = 0.0                 |  | OK | 0 | Siphehile Mchunu<br>491465<br>23.02.2025 | Train |
| 10020 | R | Read Defined Variable [TT]<br>(MPU1)li_drc_tc1tractionauthorr1 = 1.0       |  | OK | 1 | Siphehile Mchunu<br>491465<br>23.02.2025 | Train |
| 10021 | R | Read Defined Variable [TT]<br>(MPU1)li_drc_tc1tractionauthorr2 = 1.0       |  | OK | 1 | Siphehile Mchunu<br>491465<br>23.02.2025 | Train |
| 10022 | R | Read Defined Variable [TT]<br>(MPU1)li_drc_tc1tractintoverrider1 = 0.0     |  | OK | 0 | Siphehile Mchunu<br>491465<br>23.02.2025 | Train |
| 10023 | R | Read Defined Variable [TT]<br>(MPU1)li_drc_tc1tractintoverrider2 = 0.0     |  | OK | 0 | Siphehile Mchunu<br>491465<br>23.02.2025 | Train |
| 10024 | A | Put the direction selector switch 30A1.S2<br>should be in FORWARD position |  | OK |   | Siphehile Mchunu<br>491465<br>23.02.2025 | Train |
| 10025 | I | Emergency brake is released                                                |  | OK |   | Siphehile Mchunu<br>491465<br>23.02.2025 | Train |
| 10026 | R | Read Defined Variable [TT]<br>(MPU1)bcu1_tlnotinhib = 1.0                  |  | OK | 1 | Siphehile Mchunu<br>491465<br>23.02.2025 | Train |
| 10027 | R | Read Defined Variable [TT]<br>(MPU1)BCU2_TINotInhib = 1.0                  |  | OK | 1 | Siphehile Mchunu<br>491465<br>23.02.2025 | Train |
| 10028 | R | Read Defined Variable [TT]<br>(MPU1)TBCU1_TINotInhib = 1.0                 |  | OK | 1 | Siphehile Mchunu<br>491465<br>23.02.2025 | Train |
| 10029 | R | Read Defined Variable [TT]<br>(MPU1)TBCU2_tlnotinhib = 1.0                 |  | OK | 1 | Siphehile Mchunu<br>491465<br>23.02.2025 | Train |
| 10030 | R | Read Defined Variable [TT]<br>(MPU1)tbcu3_tlnotinhib = 1.0                 |  | OK | 1 | Siphehile Mchunu<br>491465<br>23.02.2025 | Train |
| 10031 | R | Read Defined Variable [TT]<br>(MPU1)tbcu4_tlnotinhib = 1.0                 |  | OK | 1 | Siphehile Mchunu<br>491465<br>23.02.2025 | Train |
| 10032 | R | Read Defined Variable [TT]<br>(MPU1)li_drc_tc1tractionauthorr1 = 0.0       |  | OK | 0 | Siphehile Mchunu<br>491465<br>23.02.2025 | Train |
| 10033 | R | Read Defined Variable [TT]<br>(MPU1)li_drc_tc1tractionauthorr2 = 0.0       |  | OK | 0 | Siphehile Mchunu<br>491465<br>23.02.2025 | Train |
| 10034 | R | Read Defined Variable [TT]<br>(MPU1)li_drc_tc1tractintoverrider1 = 0.0     |  | OK | 0 | Siphehile Mchunu<br>491465<br>23.02.2025 | Train |

|       |   |                                                                            |    |   |                                           |       |
|-------|---|----------------------------------------------------------------------------|----|---|-------------------------------------------|-------|
| 10035 | R | Read Defined Variable [TT]<br>(MPU1)li_drc_tc1tractintoverrider2 = 0.0     | OK | 0 | Siphesihle Mchunu<br>491465<br>23.02.2025 | Train |
| 10036 | A | Put the direction selector switch 30A1.S2<br>should be in REVERSE position | OK |   | Siphesihle Mchunu<br>491465<br>23.02.2025 | Train |
| 10037 | I | Emergency brake is released                                                | OK |   | Siphesihle Mchunu<br>491465<br>23.02.2025 | Train |
| 10038 | R | Read Defined Variable [TT]<br>(MPU1)bcu1_tlnotinhib = 1.0                  | OK | 1 | Siphesihle Mchunu<br>491465<br>23.02.2025 | Train |
| 10039 | R | Read Defined Variable [TT]<br>(MPU1)BCU2_TINotInhib = 1.0                  | OK | 1 | Siphesihle Mchunu<br>491465<br>23.02.2025 | Train |
| 10040 | R | Read Defined Variable [TT]<br>(MPU1)TBCU1_TINotInhib = 1.0                 | OK | 1 | Siphesihle Mchunu<br>491465<br>23.02.2025 | Train |
| 10041 | R | Read Defined Variable [TT]<br>(MPU1)TBCU2_tlnotinhib = 1.0                 | OK | 1 | Siphesihle Mchunu<br>491465<br>23.02.2025 | Train |
| 10042 | R | Read Defined Variable [TT]<br>(MPU1)tbcu3_tlnotinhib = 1.0                 | OK | 1 | Siphesihle Mchunu<br>491465<br>23.02.2025 | Train |
| 10043 | R | Read Defined Variable [TT]<br>(MPU1)tbcu4_tlnotinhib = 1.0                 | OK | 1 | Siphesihle Mchunu<br>491465<br>23.02.2025 | Train |
| 10044 | R | Read Defined Variable [TT]<br>(MPU1)li_drc_tc1tractionauthorr1 = 0.0       | OK | 0 | Siphesihle Mchunu<br>491465<br>23.02.2025 | Train |
| 10045 | R | Read Defined Variable [TT]<br>(MPU1)li_drc_tc1tractionauthorr2 = 0.0       | OK | 0 | Siphesihle Mchunu<br>491465<br>23.02.2025 | Train |
| 10046 | R | Read Defined Variable [TT]<br>(MPU1)li_drc_tc1tractintoverrider1 = 0.0     | OK | 0 | Siphesihle Mchunu<br>491465<br>23.02.2025 | Train |
| 10047 | R | Read Defined Variable [TT]<br>(MPU1)li_drc_tc1tractintoverrider2 = 0.0     | OK | 0 | Siphesihle Mchunu<br>491465<br>23.02.2025 | Train |
| 10048 | I | Traction interlock with Doors TC1                                          | OK |   | Siphesihle Mchunu<br>491465<br>23.02.2025 | Train |
| 10049 | A | Manually open any door                                                     | OK |   | Siphesihle Mchunu<br>491465<br>23.02.2025 | Train |
| 10050 | R | LED 51H1 is "ON" on alarm module                                           | OK |   | Siphesihle Mchunu<br>491465<br>23.02.2025 | Train |
| 10051 | R | Read Defined Variable [TT]<br>(MPU1)bcu1_tlnotinhib = 0.0                  | OK | 0 | Siphesihle Mchunu<br>491465<br>23.02.2025 | Train |
| 10052 | R | Read Defined Variable [TT]<br>(MPU1)BCU2_TINotInhib = 0.0                  | OK | 0 | Siphesihle Mchunu<br>491465<br>23.02.2025 | Train |

|       |   |                                                                        |  |    |   |                                           |       |
|-------|---|------------------------------------------------------------------------|--|----|---|-------------------------------------------|-------|
| 10053 | R | Read Defined Variable [TT]<br>(MPU1)TBCU1_tInotInhib = 0.0             |  | OK | 0 | Siphesihle Mchunu<br>491465<br>23.02.2025 | Train |
| 10054 | R | Read Defined Variable [TT]<br>(MPU1)TBCU2_tInotInhib = 0.0             |  | OK | 0 | Siphesihle Mchunu<br>491465<br>23.02.2025 | Train |
| 10055 | R | Read Defined Variable [TT]<br>(MPU1)tbcu3_tInotInhib = 0.0             |  | OK | 0 | Siphesihle Mchunu<br>491465<br>23.02.2025 | Train |
| 10056 | R | Read Defined Variable [TT]<br>(MPU1)tbcu4_tInotInhib = 0.0             |  | OK | 0 | Siphesihle Mchunu<br>491465<br>23.02.2025 | Train |
| 10057 | R | Read Defined Variable [TT]<br>(MPU1)li_drc_tc1tractionauthorr1 = 1.0   |  | OK | 1 | Siphesihle Mchunu<br>491465<br>23.02.2025 | Train |
| 10058 | R | Read Defined Variable [TT]<br>(MPU1)li_drc_tc1tractionauthorr2 = 1.0   |  | OK | 1 | Siphesihle Mchunu<br>491465<br>23.02.2025 | Train |
| 10059 | R | Read Defined Variable [TT]<br>(MPU1)li_drc_tc1tractintoverrider1 = 0.0 |  | OK | 0 | Siphesihle Mchunu<br>491465<br>23.02.2025 | Train |
| 10060 | R | Read Defined Variable [TT]<br>(MPU1)li_drc_tc1tractintoverrider2 = 0.0 |  | OK | 0 | Siphesihle Mchunu<br>491465<br>23.02.2025 | Train |
| 10061 | I | Simulate train speed of 5km/h contactor<br>61K2 is closed              |  | OK |   | Siphesihle Mchunu<br>491465<br>23.02.2025 | Train |
| 10062 | A | Energize point 41 of terminal block<br>93XT104_5 with 110V DC          |  | OK |   | Siphesihle Mchunu<br>491465<br>23.02.2025 | Train |
| 10063 | R | The opened door will automatically close                               |  | OK |   | Siphesihle Mchunu<br>491465<br>23.02.2025 | Train |
| 10064 | R | Read Defined Variable [TT]<br>(MPU1)bcu1_tInotInhib = 1.0              |  | OK | 1 | Siphesihle Mchunu<br>491465<br>23.02.2025 | Train |
| 10065 | R | Read Defined Variable [TT]<br>(MPU1)BCU2_tInotInhib = 1.0              |  | OK | 1 | Siphesihle Mchunu<br>491465<br>23.02.2025 | Train |
| 10066 | R | Read Defined Variable [TT]<br>(MPU1)TBCU1_tInotInhib = 1.0             |  | OK | 1 | Siphesihle Mchunu<br>491465<br>23.02.2025 | Train |
| 10067 | R | Read Defined Variable [TT]<br>(MPU1)TBCU2_tInotInhib = 1.0             |  | OK | 1 | Siphesihle Mchunu<br>491465<br>23.02.2025 | Train |
| 10068 | R | Read Defined Variable [TT]<br>(MPU1)tbcu3_tInotInhib = 1.0             |  | OK | 1 | Siphesihle Mchunu<br>491465<br>23.02.2025 | Train |
| 10069 | R | Read Defined Variable [TT]<br>(MPU1)tbcu4_tInotInhib = 1.0             |  | OK | 1 | Siphesihle Mchunu<br>491465<br>23.02.2025 | Train |
| 10070 | R | Read Defined Variable [TT]<br>(MPU1)li_drc_tc1tractionauthorr1 = 0.0   |  | OK | 0 | Siphesihle Mchunu<br>491465<br>23.02.2025 | Train |

|       |   |                                                                        |  |    |   |                                           |       |
|-------|---|------------------------------------------------------------------------|--|----|---|-------------------------------------------|-------|
| 10071 | R | Read Defined Variable [TT]<br>(MPU1)li_drc_tc1tractionauthorr2 = 0.0   |  | OK | 0 | Siphesihle Mchunu<br>491465<br>23.02.2025 | Train |
| 10072 | R | Read Defined Variable [TT]<br>(MPU1)li_drc_tc1tractintoverrider1 = 0.0 |  | OK | 0 | Siphesihle Mchunu<br>491465<br>23.02.2025 | Train |
| 10073 | R | Read Defined Variable [TT]<br>(MPU1)li_drc_tc1tractintoverrider2 = 0.0 |  | OK | 0 | Siphesihle Mchunu<br>491465<br>23.02.2025 | Train |
| 10074 | A | Activate any PEA                                                       |  | OK |   | Siphesihle Mchunu<br>491465<br>23.02.2025 | Train |
| 10075 | A | After 3 seconds press the button 44S5                                  |  | OK |   | Siphesihle Mchunu<br>491465<br>23.02.2025 | Train |
| 10076 | I | Speed is greater than 5km/h therefore all doors will remain closed     |  | OK |   | Siphesihle Mchunu<br>491465<br>23.02.2025 | Train |
| 10077 | R | Door safety loop is closed, contactor 51K1 and 51K2 are energized      |  | OK |   | Siphesihle Mchunu<br>491465<br>23.02.2025 | Train |
| 10078 | R | Read Defined Variable [TT]<br>(MPU1)bcu1_tlnotinhb = 1.0               |  | OK | 1 | Siphesihle Mchunu<br>491465<br>23.02.2025 | Train |
| 10079 | R | Read Defined Variable [TT]<br>(MPU1)BCU2_TINotInhib = 1.0              |  | OK | 1 | Siphesihle Mchunu<br>491465<br>23.02.2025 | Train |
| 10080 | R | Read Defined Variable [TT]<br>(MPU1)TBCU1_TINotInhib = 1.0             |  | OK | 1 | Siphesihle Mchunu<br>491465<br>23.02.2025 | Train |
| 10081 | R | Read Defined Variable [TT]<br>(MPU1)TBCU2_tlnotinhb = 1.0              |  | OK | 1 | Siphesihle Mchunu<br>491465<br>23.02.2025 | Train |
| 10082 | R | Read Defined Variable [TT]<br>(MPU1)tbcu3_tlnotinhb = 1.0              |  | OK | 1 | Siphesihle Mchunu<br>491465<br>23.02.2025 | Train |
| 10083 | R | Read Defined Variable [TT]<br>(MPU1)tbcu4_tlnotinhb = 1.0              |  | OK | 1 | Siphesihle Mchunu<br>491465<br>23.02.2025 | Train |
| 10084 | R | Read Defined Variable [TT]<br>(MPU1)li_drc_tc1tractionauthorr1 = 0.0   |  | OK | 0 | Siphesihle Mchunu<br>491465<br>23.02.2025 | Train |
| 10085 | R | Read Defined Variable [TT]<br>(MPU1)li_drc_tc1tractionauthorr2 = 0.0   |  | OK | 0 | Siphesihle Mchunu<br>491465<br>23.02.2025 | Train |
| 10086 | R | Read Defined Variable [TT]<br>(MPU1)li_drc_tc1tractintoverrider1 = 0.0 |  | OK | 0 | Siphesihle Mchunu<br>491465<br>23.02.2025 | Train |
| 10087 | R | Read Defined Variable [TT]<br>(MPU1)li_drc_tc1tractintoverrider2 = 0.0 |  | OK | 0 | Siphesihle Mchunu<br>491465<br>23.02.2025 | Train |
| 10088 | A | Reset PEA using switch 44S6                                            |  | OK |   | Siphesihle Mchunu<br>491465<br>23.02.2025 | Train |

|       |   |                                                                        |    |   |                                          |       |
|-------|---|------------------------------------------------------------------------|----|---|------------------------------------------|-------|
| 10089 | R | Read Defined Variable [TT]<br>(MPU1)bcu1_tlnotinhib = 1.0              | OK | 1 | Siphehile Mchunu<br>491465<br>23.02.2025 | Train |
| 10090 | R | Read Defined Variable [TT]<br>(MPU1)BCU2_TINotInhib = 1.0              | OK | 1 | Siphehile Mchunu<br>491465<br>23.02.2025 | Train |
| 10091 | R | Read Defined Variable [TT]<br>(MPU1)TBCU1_TINotInhib = 1.0             | OK | 1 | Siphehile Mchunu<br>491465<br>23.02.2025 | Train |
| 10092 | R | Read Defined Variable [TT]<br>(MPU1)TBCU2_tlnotinhib = 1.0             | OK | 1 | Siphehile Mchunu<br>491465<br>23.02.2025 | Train |
| 10093 | R | Read Defined Variable [TT]<br>(MPU1)tbcu3_tlnotinhib = 1.0             | OK | 1 | Siphehile Mchunu<br>491465<br>23.02.2025 | Train |
| 10094 | R | Read Defined Variable [TT]<br>(MPU1)tbcu4_tlnotinhib = 1.0             | OK | 1 | Siphehile Mchunu<br>491465<br>23.02.2025 | Train |
| 10095 | R | Read Defined Variable [TT]<br>(MPU1)li_drc_tc1tractionauthorr1 = 0.0   | OK | 0 | Siphehile Mchunu<br>491465<br>23.02.2025 | Train |
| 10096 | R | Read Defined Variable [TT]<br>(MPU1)li_drc_tc1tractionauthorr2 = 0.0   | OK | 0 | Siphehile Mchunu<br>491465<br>23.02.2025 | Train |
| 10097 | R | Read Defined Variable [TT]<br>(MPU1)li_drc_tc1tractintoverrider1 = 0.0 | OK | 0 | Siphehile Mchunu<br>491465<br>23.02.2025 | Train |
| 10098 | R | Read Defined Variable [TT]<br>(MPU1)li_drc_tc1tractintoverrider2 = 0.0 | OK | 0 | Siphehile Mchunu<br>491465<br>23.02.2025 | Train |
| 10099 | A | Remove 110V DC from terminal block<br>93XT104_5 point 41               | OK |   | Siphehile Mchunu<br>491465<br>23.02.2025 | Train |
| 10100 | A | Activate any PEA                                                       | OK |   | Siphehile Mchunu<br>491465<br>23.02.2025 | Train |
| 10101 | R | Door is unlocked and can be manually<br>opened                         | OK |   | Siphehile Mchunu<br>491465<br>23.02.2025 | Train |
| 10102 | R | Read Defined Variable [TT]<br>(MPU1)bcu1_tlnotinhib = 0.0              | OK | 0 | Siphehile Mchunu<br>491465<br>23.02.2025 | Train |
| 10103 | R | Read Defined Variable [TT]<br>(MPU1)BCU2_TINotInhib = 0.0              | OK | 0 | Siphehile Mchunu<br>491465<br>23.02.2025 | Train |
| 10104 | R | Read Defined Variable [TT]<br>(MPU1)TBCU1_TINotInhib = 0.0             | OK | 0 | Siphehile Mchunu<br>491465<br>23.02.2025 | Train |
| 10105 | R | Read Defined Variable [TT]<br>(MPU1)TBCU2_tlnotinhib = 0.0             | OK | 0 | Siphehile Mchunu<br>491465<br>23.02.2025 | Train |
| 10106 | R | Read Defined Variable [TT]<br>(MPU1)tbcu3_tlnotinhib = 0.0             | OK | 0 | Siphehile Mchunu<br>491465<br>23.02.2025 | Train |

|       |   |                                                                        |  |    |   |                                          |       |
|-------|---|------------------------------------------------------------------------|--|----|---|------------------------------------------|-------|
| 10107 | R | Read Defined Variable [TT]<br>(MPU1)tbcu4_tlnotinhb = 0.0              |  | OK | 0 | Siphehile Mchunu<br>491465<br>23.02.2025 | Train |
| 10108 | R | Read Defined Variable [TT]<br>(MPU1)li_drc_tc1tractionauthorr1 = 1.0   |  | OK | 1 | Siphehile Mchunu<br>491465<br>23.02.2025 | Train |
| 10109 | R | Read Defined Variable [TT]<br>(MPU1)li_drc_tc1tractionauthorr2 = 1.0   |  | OK | 1 | Siphehile Mchunu<br>491465<br>23.02.2025 | Train |
| 10110 | R | Read Defined Variable [TT]<br>(MPU1)li_drc_tc1tractintoverrider1 = 0.0 |  | OK | 0 | Siphehile Mchunu<br>491465<br>23.02.2025 | Train |
| 10111 | R | Read Defined Variable [TT]<br>(MPU1)li_drc_tc1tractintoverrider2 = 0.0 |  | OK | 0 | Siphehile Mchunu<br>491465<br>23.02.2025 | Train |
| 10112 | A | Reset PEA using switch 44S6                                            |  | OK |   | Siphehile Mchunu<br>491465<br>23.02.2025 | Train |
| 10113 | A | Close the door opened above manually                                   |  | OK |   | Siphehile Mchunu<br>491465<br>23.02.2025 | Train |
| 10114 | R | Door safety loop is closed, contactor 51K1<br>and 51K2 are energized   |  | OK |   | Siphehile Mchunu<br>491465<br>23.02.2025 | Train |
| 10115 | R | Read Defined Variable [TT]<br>(MPU1)bcu1_tlnotinhb = 1.0               |  | OK | 1 | Siphehile Mchunu<br>491465<br>23.02.2025 | Train |
| 10116 | R | Read Defined Variable [TT]<br>(MPU1)BCU2_TlNotInhb = 1.0               |  | OK | 1 | Siphehile Mchunu<br>491465<br>23.02.2025 | Train |
| 10117 | R | Read Defined Variable [TT]<br>(MPU1)TBCU1_TlNotInhb = 1.0              |  | OK | 1 | Siphehile Mchunu<br>491465<br>23.02.2025 | Train |
| 10118 | R | Read Defined Variable [TT]<br>(MPU1)TBCU2_tlnotinhb = 1.0              |  | OK | 1 | Siphehile Mchunu<br>491465<br>23.02.2025 | Train |
| 10119 | R | Read Defined Variable [TT]<br>(MPU1)tbcu3_tlnotinhb = 1.0              |  | OK | 1 | Siphehile Mchunu<br>491465<br>23.02.2025 | Train |
| 10120 | R | Read Defined Variable [TT]<br>(MPU1)tbcu4_tlnotinhb = 1.0              |  | OK | 1 | Siphehile Mchunu<br>491465<br>23.02.2025 | Train |
| 10121 | R | Read Defined Variable [TT]<br>(MPU1)li_drc_tc1tractionauthorr1 = 0.0   |  | OK | 0 | Siphehile Mchunu<br>491465<br>23.02.2025 | Train |
| 10122 | R | Read Defined Variable [TT]<br>(MPU1)li_drc_tc1tractionauthorr2 = 0.0   |  | OK | 0 | Siphehile Mchunu<br>491465<br>23.02.2025 | Train |
| 10123 | R | Read Defined Variable [TT]<br>(MPU1)li_drc_tc1tractintoverrider1 = 0.0 |  | OK | 0 | Siphehile Mchunu<br>491465<br>23.02.2025 | Train |
| 10124 | R | Read Defined Variable [TT]<br>(MPU1)li_drc_tc1tractintoverrider2 = 0.0 |  | OK | 0 | Siphehile Mchunu<br>491465<br>23.02.2025 | Train |



|       |   |                                                                                                                  |  |    |   |                                          |       |
|-------|---|------------------------------------------------------------------------------------------------------------------|--|----|---|------------------------------------------|-------|
| 10125 | A | Press the red button 44S1 to make an emergency brake                                                             |  | OK |   | Siphehile Mchunu<br>491465<br>23.02.2025 | Train |
| 10126 | R | Contactor of 44K12 and 44K11 are de-energized                                                                    |  | OK |   | Siphehile Mchunu<br>491465<br>23.02.2025 | Train |
| 10127 | R | Read Defined Variable [TT]<br>(MPU1)bcu1_tlnotinhib = 0.0                                                        |  | OK | 0 | Siphehile Mchunu<br>491465<br>23.02.2025 | Train |
| 10128 | R | Read Defined Variable [TT]<br>(MPU1)BCU2_TINotInhib = 0.0                                                        |  | OK | 0 | Siphehile Mchunu<br>491465<br>23.02.2025 | Train |
| 10129 | R | Read Defined Variable [TT]<br>(MPU1)TBCU1_TINotInhib = 0.0                                                       |  | OK | 0 | Siphehile Mchunu<br>491465<br>23.02.2025 | Train |
| 10130 | R | Read Defined Variable [TT]<br>(MPU1)TBCU2_tlnotinhib = 0.0                                                       |  | OK | 0 | Siphehile Mchunu<br>491465<br>23.02.2025 | Train |
| 10131 | R | Read Defined Variable [TT]<br>(MPU1)tbcu3_tlnotinhib = 0.0                                                       |  | OK | 0 | Siphehile Mchunu<br>491465<br>23.02.2025 | Train |
| 10132 | R | Read Defined Variable [TT]<br>(MPU1)tbcu4_tlnotinhib = 0.0                                                       |  | OK | 0 | Siphehile Mchunu<br>491465<br>23.02.2025 | Train |
| 10133 | R | Read Defined Variable [TT]<br>(MPU1)li_drc_tc1tractionauthorr1 = 1.0                                             |  | OK | 1 | Siphehile Mchunu<br>491465<br>23.02.2025 | Train |
| 10134 | R | Read Defined Variable [TT]<br>(MPU1)li_drc_tc1tractionauthorr2 = 1.0                                             |  | OK | 1 | Siphehile Mchunu<br>491465<br>23.02.2025 | Train |
| 10135 | R | Read Defined Variable [TT]<br>(MPU1)li_drc_tc1tractintoverrider1 = 0.0                                           |  | OK | 0 | Siphehile Mchunu<br>491465<br>23.02.2025 | Train |
| 10136 | R | Read Defined Variable [TT]<br>(MPU1)li_drc_tc1tractintoverrider2 = 0.0                                           |  | OK | 0 | Siphehile Mchunu<br>491465<br>23.02.2025 | Train |
| 10137 | A | Release the red button 44S1 for emergency brake                                                                  |  | OK |   | Siphehile Mchunu<br>491465<br>23.02.2025 | Train |
| 10138 | A | Put the direction selector switch in NEUTRAL position and again in FORWARD position to reset the emergency brake |  | OK |   | Siphehile Mchunu<br>491465<br>23.02.2025 | Train |
| 10139 | R | Read Defined Variable [TT]<br>(MPU1)bcu1_tlnotinhib = 1.0                                                        |  | OK | 1 | Siphehile Mchunu<br>491465<br>23.02.2025 | Train |
| 10140 | R | Read Defined Variable [TT]<br>(MPU1)BCU2_TINotInhib = 1.0                                                        |  | OK | 1 | Siphehile Mchunu<br>491465<br>23.02.2025 | Train |
| 10141 | R | Read Defined Variable [TT]<br>(MPU1)TBCU1_TINotInhib = 1.0                                                       |  | OK | 1 | Siphehile Mchunu<br>491465<br>23.02.2025 | Train |
| 10142 | R | Read Defined Variable [TT]<br>(MPU1)TBCU2_tlnotinhib = 1.0                                                       |  | OK | 1 | Siphehile Mchunu<br>491465<br>23.02.2025 | Train |

|       |   |                                                                        |  |    |   |                                          |       |
|-------|---|------------------------------------------------------------------------|--|----|---|------------------------------------------|-------|
| 10143 | R | Read Defined Variable [TT]<br>(MPU1)tbcu3_tlnotinhib = 1.0             |  | OK | 1 | Siphehile Mchunu<br>491465<br>23.02.2025 | Train |
| 10144 | R | Read Defined Variable [TT]<br>(MPU1)tbcu4_tlnotinhib = 1.0             |  | OK | 1 | Siphehile Mchunu<br>491465<br>23.02.2025 | Train |
| 10145 | R | Read Defined Variable [TT]<br>(MPU1)li_drc_tc1tractionauthorr1 = 0.0   |  | OK | 0 | Siphehile Mchunu<br>491465<br>23.02.2025 | Train |
| 10146 | R | Read Defined Variable [TT]<br>(MPU1)li_drc_tc1tractionauthorr2 = 0.0   |  | OK | 0 | Siphehile Mchunu<br>491465<br>23.02.2025 | Train |
| 10147 | R | Read Defined Variable [TT]<br>(MPU1)li_drc_tc1tractintoverrider1 = 0.0 |  | OK | 0 | Siphehile Mchunu<br>491465<br>23.02.2025 | Train |
| 10148 | R | Read Defined Variable [TT]<br>(MPU1)li_drc_tc1tractintoverrider2 = 0.0 |  | OK | 0 | Siphehile Mchunu<br>491465<br>23.02.2025 | Train |
| 10149 | A | Force [TT]<br>(MPU1)lo_drc_tc1tractionloopr1 = 1.0                     |  | OK |   | Siphehile Mchunu<br>491465<br>23.02.2025 | Train |
| 10150 | A | Force [TT]<br>(MPU1)lo_drc_tc1tractionloopr2 = 0.0                     |  | OK |   | Siphehile Mchunu<br>491465<br>23.02.2025 | Train |
| 10151 | R | Read Defined Variable [TT]<br>(MPU1)bcu1_tlnotinhib = 1.0              |  | OK | 1 | Siphehile Mchunu<br>491465<br>23.02.2025 | Train |
| 10152 | R | Read Defined Variable [TT]<br>(MPU1)BCU2_TlNotInhib = 1.0              |  | OK | 1 | Siphehile Mchunu<br>491465<br>23.02.2025 | Train |
| 10153 | R | Read Defined Variable [TT]<br>(MPU1)TBCU1_TlNotInhib = 1.0             |  | OK | 1 | Siphehile Mchunu<br>491465<br>23.02.2025 | Train |
| 10154 | R | Read Defined Variable [TT]<br>(MPU1)TBCU2_tlnotinhib = 1.0             |  | OK | 1 | Siphehile Mchunu<br>491465<br>23.02.2025 | Train |
| 10155 | R | Read Defined Variable [TT]<br>(MPU1)tbcu3_tlnotinhib = 1.0             |  | OK | 1 | Siphehile Mchunu<br>491465<br>23.02.2025 | Train |
| 10156 | R | Read Defined Variable [TT]<br>(MPU1)tbcu4_tlnotinhib = 1.0             |  | OK | 1 | Siphehile Mchunu<br>491465<br>23.02.2025 | Train |
| 10157 | R | Read Defined Variable [TT]<br>(MPU1)li_drc_tc1tractionauthorr1 = 0.0   |  | OK | 0 | Siphehile Mchunu<br>491465<br>23.02.2025 | Train |
| 10158 | R | Read Defined Variable [TT]<br>(MPU1)li_drc_tc1tractionauthorr2 = 0.0   |  | OK | 0 | Siphehile Mchunu<br>491465<br>23.02.2025 | Train |
| 10159 | R | Read Defined Variable [TT]<br>(MPU1)li_drc_tc1tractintoverrider1 = 0.0 |  | OK | 0 | Siphehile Mchunu<br>491465<br>23.02.2025 | Train |
| 10160 | R | Read Defined Variable [TT]<br>(MPU1)li_drc_tc1tractintoverrider2 = 0.0 |  | OK | 0 | Siphehile Mchunu<br>491465<br>23.02.2025 | Train |

|       |   |                                                                        |  |    |   |                                          |       |
|-------|---|------------------------------------------------------------------------|--|----|---|------------------------------------------|-------|
| 10161 | A | Force [TT]<br>(MPU1)lo_drc_tc1tractionloopr1 = 0.0                     |  | OK |   | Siphehile Mchunu<br>491465<br>23.02.2025 | Train |
| 10162 | A | Force [TT]<br>(MPU1)lo_drc_tc1tractionloopr2 = 1.0                     |  | OK |   | Siphehile Mchunu<br>491465<br>23.02.2025 | Train |
| 10163 | R | Read Defined Variable [TT]<br>(MPU1)bcu1_tlnotinhib = 1.0              |  | OK | 1 | Siphehile Mchunu<br>491465<br>23.02.2025 | Train |
| 10164 | R | Read Defined Variable [TT]<br>(MPU1)BCU2_TINotInhib = 1.0              |  | OK | 1 | Siphehile Mchunu<br>491465<br>23.02.2025 | Train |
| 10165 | R | Read Defined Variable [TT]<br>(MPU1)TBCU1_TINotInhib = 1.0             |  | OK | 1 | Siphehile Mchunu<br>491465<br>23.02.2025 | Train |
| 10166 | R | Read Defined Variable [TT]<br>(MPU1)TBCU2_tlnotinhib = 1.0             |  | OK | 1 | Siphehile Mchunu<br>491465<br>23.02.2025 | Train |
| 10167 | R | Read Defined Variable [TT]<br>(MPU1)tbcu3_tlnotinhib = 1.0             |  | OK | 1 | Siphehile Mchunu<br>491465<br>23.02.2025 | Train |
| 10168 | R | Read Defined Variable [TT]<br>(MPU1)tbcu4_tlnotinhib = 1.0             |  | OK | 1 | Siphehile Mchunu<br>491465<br>23.02.2025 | Train |
| 10169 | R | Read Defined Variable [TT]<br>(MPU1)li_drc_tc1tractionauthorr1 = 0.0   |  | OK | 0 | Siphehile Mchunu<br>491465<br>23.02.2025 | Train |
| 10170 | R | Read Defined Variable [TT]<br>(MPU1)li_drc_tc1tractionauthorr2 = 0.0   |  | OK | 0 | Siphehile Mchunu<br>491465<br>23.02.2025 | Train |
| 10171 | R | Read Defined Variable [TT]<br>(MPU1)li_drc_tc1tractintoverrider1 = 0.0 |  | OK | 0 | Siphehile Mchunu<br>491465<br>23.02.2025 | Train |
| 10172 | R | Read Defined Variable [TT]<br>(MPU1)li_drc_tc1tractintoverrider2 = 0.0 |  | OK | 0 | Siphehile Mchunu<br>491465<br>23.02.2025 | Train |
| 10173 | A | Force [TT]<br>(MPU1)lo_drc_tc1tractionloopr1 = 0.0                     |  | OK |   | Siphehile Mchunu<br>491465<br>23.02.2025 | Train |
| 10174 | A | Force [TT]<br>(MPU1)lo_drc_tc1tractionloopr2 = 0.0                     |  | OK |   | Siphehile Mchunu<br>491465<br>23.02.2025 | Train |
| 10175 | A | Put the direction selector switch in<br>NEUTRAL Position               |  | OK |   | Siphehile Mchunu<br>491465<br>23.02.2025 | Train |
| 10176 | R | Read Defined Variable [TT]<br>(MPU1)bcu1_tlnotinhib = 0.0              |  | OK | 0 | Siphehile Mchunu<br>491465<br>23.02.2025 | Train |
| 10177 | R | Read Defined Variable [TT]<br>(MPU1)BCU2_TINotInhib = 0.0              |  | OK | 0 | Siphehile Mchunu<br>491465<br>23.02.2025 | Train |
| 10178 | R | Read Defined Variable [TT]<br>(MPU1)TBCU1_TINotInhib = 0.0             |  | OK | 0 | Siphehile Mchunu<br>491465<br>23.02.2025 | Train |

|       |   |                                                                                                                  |    |   |                                          |       |
|-------|---|------------------------------------------------------------------------------------------------------------------|----|---|------------------------------------------|-------|
| 10179 | R | Read Defined Variable [TT]<br>(MPU1)TBCU2_tlnotinhib = 0.0                                                       | OK | 0 | Siphehile Mchunu<br>491465<br>23.02.2025 | Train |
| 10180 | R | Read Defined Variable [TT]<br>(MPU1)tbcu3_tlnotinhib = 0.0                                                       | OK | 0 | Siphehile Mchunu<br>491465<br>23.02.2025 | Train |
| 10181 | R | Read Defined Variable [TT]<br>(MPU1)tbcu4_tlnotinhib = 0.0                                                       | OK | 0 | Siphehile Mchunu<br>491465<br>23.02.2025 | Train |
| 10182 | R | Read Defined Variable [TT]<br>(MPU1)li_drc_tc1tractionauthorr1 = 1.0                                             | OK | 1 | Siphehile Mchunu<br>491465<br>23.02.2025 | Train |
| 10183 | R | Read Defined Variable [TT]<br>(MPU1)li_drc_tc1tractionauthorr2 = 1.0                                             | OK | 1 | Siphehile Mchunu<br>491465<br>23.02.2025 | Train |
| 10184 | R | Read Defined Variable [TT]<br>(MPU1)li_drc_tc1tractintoverrider1 = 0.0                                           | OK | 0 | Siphehile Mchunu<br>491465<br>23.02.2025 | Train |
| 10185 | R | Read Defined Variable [TT]<br>(MPU1)li_drc_tc1tractintoverrider2 = 0.0                                           | OK | 0 | Siphehile Mchunu<br>491465<br>23.02.2025 | Train |
| 10186 | A | Release [TT]<br>(MPU1)lo_drc_tc1tractionloopr1                                                                   | OK |   | Siphehile Mchunu<br>491465<br>23.02.2025 | Train |
| 10187 | A | Release [TT]<br>(MPU1)lo_drc_tc1tractionloopr2                                                                   | OK |   | Siphehile Mchunu<br>491465<br>23.02.2025 | Train |
| 10188 | I | Traction Interlock Override TC1                                                                                  | OK |   | Siphehile Mchunu<br>491465<br>23.02.2025 | Train |
| 10189 | A | Put the Traction Interlock switch 31S1 in<br>OVERRIDE position                                                   | OK |   | Siphehile Mchunu<br>491465<br>23.02.2025 | Train |
| 10190 | R | A fault code is generated on the DDU<br>screen to inform the driver that the door<br>interlock has been override | OK |   | Siphehile Mchunu<br>491465<br>23.02.2025 | Train |
| 10191 | R | Read Defined Variable [TT]<br>(MPU1)bcu1_tlnotinhib = 1.0                                                        | OK | 1 | Siphehile Mchunu<br>491465<br>23.02.2025 | Train |
| 10192 | R | Read Defined Variable [TT]<br>(MPU1)BCU2_TINotInhib = 1.0                                                        | OK | 1 | Siphehile Mchunu<br>491465<br>23.02.2025 | Train |
| 10193 | R | Read Defined Variable [TT]<br>(MPU1)TBCU1_TINotInhib = 1.0                                                       | OK | 1 | Siphehile Mchunu<br>491465<br>23.02.2025 | Train |
| 10194 | R | Read Defined Variable [TT]<br>(MPU1)TBCU2_tlnotinhib = 1.0                                                       | OK | 1 | Siphehile Mchunu<br>491465<br>23.02.2025 | Train |
| 10195 | R | Read Defined Variable [TT]<br>(MPU1)tbcu3_tlnotinhib = 1.0                                                       | OK | 1 | Siphehile Mchunu<br>491465<br>23.02.2025 | Train |
| 10196 | R | Read Defined Variable [TT]<br>(MPU1)tbcu4_tlnotinhib = 1.0                                                       | OK | 1 | Siphehile Mchunu<br>491465<br>23.02.2025 | Train |

|       |   |                                                                            |    |   |                                           |       |
|-------|---|----------------------------------------------------------------------------|----|---|-------------------------------------------|-------|
| 10197 | R | Read Defined Variable [TT]<br>(MPU1)li_drc_tc1tractionauthorr1 = 1.0       | OK | 1 | Siphesihle Mchunu<br>491465<br>23.02.2025 | Train |
| 10198 | R | Read Defined Variable [TT]<br>(MPU1)li_drc_tc1tractionauthorr2 = 1.0       | OK | 1 | Siphesihle Mchunu<br>491465<br>23.02.2025 | Train |
| 10199 | R | Read Defined Variable [TT]<br>(MPU1)li_drc_tc1tractintoverrider1 = 1.0     | OK | 1 | Siphesihle Mchunu<br>491465<br>23.02.2025 | Train |
| 10200 | R | Read Defined Variable [TT]<br>(MPU1)li_drc_tc1tractintoverrider2 = 1.0     | OK | 1 | Siphesihle Mchunu<br>491465<br>23.02.2025 | Train |
| 10201 | A | Put the Traction Interlock switch 31S1 in<br>NORMAL position               | OK |   | Siphesihle Mchunu<br>491465<br>23.02.2025 | Train |
| 10202 | R | Read Defined Variable [TT]<br>(MPU1)bcu1_tlnotinhib = 0.0                  | OK | 0 | Siphesihle Mchunu<br>491465<br>23.02.2025 | Train |
| 10203 | R | Read Defined Variable [TT]<br>(MPU1)BCU2_TINotInhib = 0.0                  | OK | 0 | Siphesihle Mchunu<br>491465<br>23.02.2025 | Train |
| 10204 | R | Read Defined Variable [TT]<br>(MPU1)TBCU1_TINotInhib = 0.0                 | OK | 0 | Siphesihle Mchunu<br>491465<br>23.02.2025 | Train |
| 10205 | R | Read Defined Variable [TT]<br>(MPU1)TBCU2_tlnotinhib = 0.0                 | OK | 0 | Siphesihle Mchunu<br>491465<br>23.02.2025 | Train |
| 10206 | R | Read Defined Variable [TT]<br>(MPU1)tbcu3_tlnotinhib = 0.0                 | OK | 0 | Siphesihle Mchunu<br>491465<br>23.02.2025 | Train |
| 10207 | R | Read Defined Variable [TT]<br>(MPU1)tbcu4_tlnotinhib = 0.0                 | OK | 0 | Siphesihle Mchunu<br>491465<br>23.02.2025 | Train |
| 10208 | R | Read Defined Variable [TT]<br>(MPU1)li_drc_tc1tractionauthorr1 = 1.0       | OK | 1 | Siphesihle Mchunu<br>491465<br>23.02.2025 | Train |
| 10209 | R | Read Defined Variable [TT]<br>(MPU1)li_drc_tc1tractionauthorr2 = 1.0       | OK | 1 | Siphesihle Mchunu<br>491465<br>23.02.2025 | Train |
| 10210 | R | Read Defined Variable [TT]<br>(MPU1)li_drc_tc1tractintoverrider1 = 0.0     | OK | 0 | Siphesihle Mchunu<br>491465<br>23.02.2025 | Train |
| 10211 | R | Read Defined Variable [TT]<br>(MPU1)li_drc_tc1tractintoverrider2 = 0.0     | OK | 0 | Siphesihle Mchunu<br>491465<br>23.02.2025 | Train |
| 10212 | A | Release [TT]<br>(MPU1)lo_drc_tc1tractionloopr1                             | OK |   | Siphesihle Mchunu<br>491465<br>23.02.2025 | Train |
| 10213 | A | Release [TT]<br>(MPU1)lo_drc_tc1tractionloopr2                             | OK |   | Siphesihle Mchunu<br>491465<br>23.02.2025 | Train |
| 10214 | A | Put the direction selector switch 30A1.S2<br>should be in NEUTRAL position | OK |   | Siphesihle Mchunu<br>491465<br>23.02.2025 | Train |
| 10215 | A | Remove active cab on TC1                                                   | OK |   | Siphesihle Mchunu<br>491465               | Train |

|       |   |                                                                      |  |    |   |                                           |       |
|-------|---|----------------------------------------------------------------------|--|----|---|-------------------------------------------|-------|
|       |   |                                                                      |  |    |   | 23.02.2025                                |       |
| 10216 | I | Traction Interlock TC2                                               |  | OK |   | Siphesihle Mchunu<br>491465<br>23.02.2025 | Train |
| 10217 | A | Active Cab on TC2                                                    |  | OK |   | Siphesihle Mchunu<br>491465<br>23.02.2025 | Train |
| 10218 | I | The direction selector switch 30A1.S2 should be in NEUTRAL position  |  | OK |   | Siphesihle Mchunu<br>491465<br>23.02.2025 | Train |
| 10219 | I | All doors should be closed                                           |  | OK |   | Siphesihle Mchunu<br>491465<br>23.02.2025 | Train |
| 10220 | I | Emergency brake should be applied                                    |  | OK |   | Siphesihle Mchunu<br>491465<br>23.02.2025 | Train |
| 10221 | I | PEA override switch should be in NORMAL position                     |  | OK |   | Siphesihle Mchunu<br>491465<br>23.02.2025 | Train |
| 10222 | I | Traction Interlock override switch 31S1 should be in NORMAL position |  | OK |   | Siphesihle Mchunu<br>491465<br>23.02.2025 | Train |
| 10223 | I | Backup mode switch 27S1 should be in NORMAL position                 |  | OK |   | Siphesihle Mchunu<br>491465<br>23.02.2025 | Train |
| 10224 | A | Force [TT]<br>(MPU1)lo_drc_tc2tractionloopr1 = 1.0                   |  | OK |   | Siphesihle Mchunu<br>491465<br>23.02.2025 | Train |
| 10225 | A | Force [TT]<br>(MPU1)lo_drc_tc2tractionloopr2 = 1.0                   |  | OK |   | Siphesihle Mchunu<br>491465<br>23.02.2025 | Train |
| 10226 | R | Read Defined Variable [TT]<br>(MPU1)bcu1_tlnotinhib = 0.0            |  | OK | 0 | Siphesihle Mchunu<br>491465<br>23.02.2025 | Train |
| 10227 | R | Read Defined Variable [TT]<br>(MPU1)BCU2_TINotInhib = 0.0            |  | OK | 0 | Siphesihle Mchunu<br>491465<br>23.02.2025 | Train |
| 10228 | R | Read Defined Variable [TT]<br>(MPU1)TBCU1_TINotInhib = 0.0           |  | OK | 0 | Siphesihle Mchunu<br>491465<br>23.02.2025 | Train |
| 10229 | R | Read Defined Variable [TT]<br>(MPU1)TBCU2_tlnotinhib = 0.0           |  | OK | 0 | Siphesihle Mchunu<br>491465<br>23.02.2025 | Train |
| 10230 | R | Read Defined Variable [TT]<br>(MPU1)tbcu3_tlnotinhib = 0.0           |  | OK | 0 | Siphesihle Mchunu<br>491465<br>23.02.2025 | Train |
| 10231 | R | Read Defined Variable [TT]<br>(MPU1)tbcu4_tlnotinhib = 0.0           |  | OK | 0 | Siphesihle Mchunu<br>491465<br>23.02.2025 | Train |
| 10232 | R | Read Defined Variable [TT]<br>(MPU1)li_drc_tc2tractionauthorr1 = 1.0 |  | OK | 1 | Siphesihle Mchunu<br>491465<br>23.02.2025 | Train |
| 10233 | R | Read Defined Variable [TT]<br>(MPU1)li_drc_tc2tractionauthorr2 = 1.0 |  | OK | 1 | Siphesihle Mchunu<br>491465<br>23.02.2025 | Train |

|       |   |                                                                            |  |    |   |                                           |       |
|-------|---|----------------------------------------------------------------------------|--|----|---|-------------------------------------------|-------|
| 10234 | R | Read Defined Variable [TT]<br>(MPU1)li_drc_tc2tractintoverrider1 = 0.0     |  | OK | 0 | Siphesihle Mchunu<br>491465<br>23.02.2025 | Train |
| 10235 | R | Read Defined Variable [TT]<br>(MPU1)li_drc_tc2tractintoverrider2 = 0.0     |  | OK | 0 | Siphesihle Mchunu<br>491465<br>23.02.2025 | Train |
| 10236 | A | Put the direction selector switch 30A1.S2<br>should be in FORWARD position |  | OK |   | Siphesihle Mchunu<br>491465<br>23.02.2025 | Train |
| 10237 | I | Emergency brake is released                                                |  | OK |   | Siphesihle Mchunu<br>491465<br>23.02.2025 | Train |
| 10238 | R | Read Defined Variable [TT]<br>(MPU1)bcu1_tlnotinhb = 1.0                   |  | OK | 1 | Siphesihle Mchunu<br>491465<br>23.02.2025 | Train |
| 10239 | R | Read Defined Variable [TT]<br>(MPU1)BCU2_TINotInhib = 1.0                  |  | OK | 1 | Siphesihle Mchunu<br>491465<br>23.02.2025 | Train |
| 10240 | R | Read Defined Variable [TT]<br>(MPU1)TBCU1_TINotInhib = 1.0                 |  | OK | 1 | Siphesihle Mchunu<br>491465<br>23.02.2025 | Train |
| 10241 | R | Read Defined Variable [TT]<br>(MPU1)TBCU2_tlnotinhb = 1.0                  |  | OK | 1 | Siphesihle Mchunu<br>491465<br>23.02.2025 | Train |
| 10242 | R | Read Defined Variable [TT]<br>(MPU1)tbcu3_tlnotinhb = 1.0                  |  | OK | 1 | Siphesihle Mchunu<br>491465<br>23.02.2025 | Train |
| 10243 | R | Read Defined Variable [TT]<br>(MPU1)tbcu4_tlnotinhb = 1.0                  |  | OK | 1 | Siphesihle Mchunu<br>491465<br>23.02.2025 | Train |
| 10244 | R | Read Defined Variable [TT]<br>(MPU1)li_drc_tc2tractionauthorr1 = 0.0       |  | OK | 0 | Siphesihle Mchunu<br>491465<br>23.02.2025 | Train |
| 10245 | R | Read Defined Variable [TT]<br>(MPU1)li_drc_tc2tractionauthorr2 = 0.0       |  | OK | 0 | Siphesihle Mchunu<br>491465<br>23.02.2025 | Train |
| 10246 | R | Read Defined Variable [TT]<br>(MPU1)li_drc_tc2tractintoverrider1 = 0.0     |  | OK | 0 | Siphesihle Mchunu<br>491465<br>23.02.2025 | Train |
| 10247 | R | Read Defined Variable [TT]<br>(MPU1)li_drc_tc2tractintoverrider2 = 0.0     |  | OK | 0 | Siphesihle Mchunu<br>491465<br>23.02.2025 | Train |
| 10248 | A | Put the direction selector switch 30A1.S2<br>should be in REVERSE position |  | OK |   | Siphesihle Mchunu<br>491465<br>23.02.2025 | Train |
| 10249 | I | Emergency brake is released                                                |  | OK |   | Siphesihle Mchunu<br>491465<br>23.02.2025 | Train |
| 10250 | R | Read Defined Variable [TT]<br>(MPU1)bcu1_tlnotinhb = 1.0                   |  | OK | 1 | Siphesihle Mchunu<br>491465<br>23.02.2025 | Train |
| 10251 | R | Read Defined Variable [TT]<br>(MPU1)BCU2_TINotInhib = 1.0                  |  | OK | 1 | Siphesihle Mchunu<br>491465<br>23.02.2025 | Train |

|       |   |                                                                        |  |    |   |                                           |       |
|-------|---|------------------------------------------------------------------------|--|----|---|-------------------------------------------|-------|
| 10252 | R | Read Defined Variable [TT]<br>(MPU1)TBCU1_TlNotInhib = 1.0             |  | OK | 1 | Siphesihle Mchunu<br>491465<br>23.02.2025 | Train |
| 10253 | R | Read Defined Variable [TT]<br>(MPU1)TBCU2_tlnotinhib = 1.0             |  | OK | 1 | Siphesihle Mchunu<br>491465<br>23.02.2025 | Train |
| 10254 | R | Read Defined Variable [TT]<br>(MPU1)tbcu3_tlnotinhib = 1.0             |  | OK | 1 | Siphesihle Mchunu<br>491465<br>23.02.2025 | Train |
| 10255 | R | Read Defined Variable [TT]<br>(MPU1)tbcu4_tlnotinhib = 1.0             |  | OK | 1 | Siphesihle Mchunu<br>491465<br>23.02.2025 | Train |
| 10256 | R | Read Defined Variable [TT]<br>(MPU1)li_drc_tc2tractionauthorr1 = 0.0   |  | OK | 0 | Siphesihle Mchunu<br>491465<br>23.02.2025 | Train |
| 10257 | R | Read Defined Variable [TT]<br>(MPU1)li_drc_tc2tractionauthorr2 = 0.0   |  | OK | 0 | Siphesihle Mchunu<br>491465<br>23.02.2025 | Train |
| 10258 | R | Read Defined Variable [TT]<br>(MPU1)li_drc_tc2tractintoverrider1 = 0.0 |  | OK | 0 | Siphesihle Mchunu<br>491465<br>23.02.2025 | Train |
| 10259 | R | Read Defined Variable [TT]<br>(MPU1)li_drc_tc2tractintoverrider2 = 0.0 |  | OK | 0 | Siphesihle Mchunu<br>491465<br>23.02.2025 | Train |
| 10260 | I | Traction Interlock with Doors TC2                                      |  | OK |   | Siphesihle Mchunu<br>491465<br>23.02.2025 | Train |
| 10261 | A | Manually open any door                                                 |  | OK |   | Siphesihle Mchunu<br>491465<br>23.02.2025 | Train |
| 10262 | R | LED 51H1 is "ON" on alarm module                                       |  | OK |   | Siphesihle Mchunu<br>491465<br>23.02.2025 | Train |
| 10263 | R | Read Defined Variable [TT]<br>(MPU1)bcu1_tlnotinhib = 0.0              |  | OK | 0 | Siphesihle Mchunu<br>491465<br>23.02.2025 | Train |
| 10264 | R | Read Defined Variable [TT]<br>(MPU1)BCU2_TlNotInhib = 0.0              |  | OK | 0 | Siphesihle Mchunu<br>491465<br>23.02.2025 | Train |
| 10265 | R | Read Defined Variable [TT]<br>(MPU1)TBCU1_TlNotInhib = 0.0             |  | OK | 0 | Siphesihle Mchunu<br>491465<br>23.02.2025 | Train |
| 10266 | R | Read Defined Variable [TT]<br>(MPU1)TBCU2_tlnotinhib = 0.0             |  | OK | 0 | Siphesihle Mchunu<br>491465<br>23.02.2025 | Train |
| 10267 | R | Read Defined Variable [TT]<br>(MPU1)tbcu3_tlnotinhib = 0.0             |  | OK | 0 | Siphesihle Mchunu<br>491465<br>23.02.2025 | Train |
| 10268 | R | Read Defined Variable [TT]<br>(MPU1)tbcu4_tlnotinhib = 0.0             |  | OK | 0 | Siphesihle Mchunu<br>491465<br>23.02.2025 | Train |
| 10269 | R | Read Defined Variable [TT]<br>(MPU1)li_drc_tc2tractionauthorr1 = 1.0   |  | OK | 1 | Siphesihle Mchunu<br>491465<br>23.02.2025 | Train |



|       |   |                                                                        |  |    |   |                                          |       |
|-------|---|------------------------------------------------------------------------|--|----|---|------------------------------------------|-------|
| 10270 | R | Read Defined Variable [TT]<br>(MPU1)li_drc_tc2tractionauthorr2 = 1.0   |  | OK | 1 | Siphehile Mchunu<br>491465<br>23.02.2025 | Train |
| 10271 | R | Read Defined Variable [TT]<br>(MPU1)li_drc_tc2tractintoverrider1 = 0.0 |  | OK | 0 | Siphehile Mchunu<br>491465<br>23.02.2025 | Train |
| 10272 | R | Read Defined Variable [TT]<br>(MPU1)li_drc_tc2tractintoverrider2 = 0.0 |  | OK | 0 | Siphehile Mchunu<br>491465<br>23.02.2025 | Train |
| 10273 | I | Simulate train speed of 5km/h contactor<br>61K2 is closed              |  | OK |   | Siphehile Mchunu<br>491465<br>23.02.2025 | Train |
| 10274 | A | Energize point 41 of terminal block<br>93XT104_5 with 110V DC          |  | OK |   | Siphehile Mchunu<br>491465<br>23.02.2025 | Train |
| 10275 | R | The opened door will automatically close                               |  | OK |   | Siphehile Mchunu<br>491465<br>23.02.2025 | Train |
| 10276 | R | Read Defined Variable [TT]<br>(MPU1)bcu1_tlnotinhib = 1.0              |  | OK | 1 | Siphehile Mchunu<br>491465<br>23.02.2025 | Train |
| 10277 | R | Read Defined Variable [TT]<br>(MPU1)BCU2_TINotInhib = 1.0              |  | OK | 1 | Siphehile Mchunu<br>491465<br>23.02.2025 | Train |
| 10278 | R | Read Defined Variable [TT]<br>(MPU1)TBCU1_TINotInhib = 1.0             |  | OK | 1 | Siphehile Mchunu<br>491465<br>23.02.2025 | Train |
| 10279 | R | Read Defined Variable [TT]<br>(MPU1)TBCU2_tlnotinhib = 1.0             |  | OK | 1 | Siphehile Mchunu<br>491465<br>23.02.2025 | Train |
| 10280 | R | Read Defined Variable [TT]<br>(MPU1)tbcu3_tlnotinhib = 1.0             |  | OK | 1 | Siphehile Mchunu<br>491465<br>23.02.2025 | Train |
| 10281 | R | Read Defined Variable [TT]<br>(MPU1)tbcu4_tlnotinhib = 1.0             |  | OK | 1 | Siphehile Mchunu<br>491465<br>23.02.2025 | Train |
| 10282 | R | Read Defined Variable [TT]<br>(MPU1)li_drc_tc2tractionauthorr1 = 0.0   |  | OK | 0 | Siphehile Mchunu<br>491465<br>23.02.2025 | Train |
| 10283 | R | Read Defined Variable [TT]<br>(MPU1)li_drc_tc2tractionauthorr2 = 0.0   |  | OK | 0 | Siphehile Mchunu<br>491465<br>23.02.2025 | Train |
| 10284 | R | Read Defined Variable [TT]<br>(MPU1)li_drc_tc2tractintoverrider1 = 0.0 |  | OK | 0 | Siphehile Mchunu<br>491465<br>23.02.2025 | Train |
| 10285 | R | Read Defined Variable [TT]<br>(MPU1)li_drc_tc2tractintoverrider2 = 0.0 |  | OK | 0 | Siphehile Mchunu<br>491465<br>23.02.2025 | Train |
| 10286 | A | Activate any PEA                                                       |  | OK |   | Siphehile Mchunu<br>491465<br>23.02.2025 | Train |
| 10287 | A | After 3 seconds press the button 44S5                                  |  | OK |   | Siphehile Mchunu<br>491465<br>23.02.2025 | Train |

|       |   |                                                                        |  |    |   |                                           |       |
|-------|---|------------------------------------------------------------------------|--|----|---|-------------------------------------------|-------|
| 10288 | I | Speed is greater than 5km/h therefore all doors will remain closed     |  | OK |   | Siphesihle Mchunu<br>491465<br>23.02.2025 | Train |
| 10289 | R | Door safety loop is closed, contactor 51K1 and 51K2 are energized      |  | OK |   | Siphesihle Mchunu<br>491465<br>23.02.2025 | Train |
| 10290 | R | Read Defined Variable [TT]<br>(MPU1)bcu1_tlnotinhib = 1.0              |  | OK | 1 | Siphesihle Mchunu<br>491465<br>23.02.2025 | Train |
| 10291 | R | Read Defined Variable [TT]<br>(MPU1)BCU2_TINotInhib = 1.0              |  | OK | 1 | Siphesihle Mchunu<br>491465<br>23.02.2025 | Train |
| 10292 | R | Read Defined Variable [TT]<br>(MPU1)TBCU1_TINotInhib = 1.0             |  | OK | 1 | Siphesihle Mchunu<br>491465<br>23.02.2025 | Train |
| 10293 | R | Read Defined Variable [TT]<br>(MPU1)TBCU2_tlnotinhib = 1.0             |  | OK | 1 | Siphesihle Mchunu<br>491465<br>23.02.2025 | Train |
| 10294 | R | Read Defined Variable [TT]<br>(MPU1)tbcu3_tlnotinhib = 1.0             |  | OK | 1 | Siphesihle Mchunu<br>491465<br>23.02.2025 | Train |
| 10295 | R | Read Defined Variable [TT]<br>(MPU1)tbcu4_tlnotinhib = 1.0             |  | OK | 1 | Siphesihle Mchunu<br>491465<br>23.02.2025 | Train |
| 10296 | R | Read Defined Variable [TT]<br>(MPU1)li_drc_tc2tractionauthorr1 = 0.0   |  | OK | 0 | Siphesihle Mchunu<br>491465<br>23.02.2025 | Train |
| 10297 | R | Read Defined Variable [TT]<br>(MPU1)li_drc_tc2tractionauthorr2 = 0.0   |  | OK | 0 | Siphesihle Mchunu<br>491465<br>23.02.2025 | Train |
| 10298 | R | Read Defined Variable [TT]<br>(MPU1)li_drc_tc2tractintoverrider1 = 0.0 |  | OK | 0 | Siphesihle Mchunu<br>491465<br>23.02.2025 | Train |
| 10299 | R | Read Defined Variable [TT]<br>(MPU1)li_drc_tc2tractintoverrider2 = 0.0 |  | OK | 0 | Siphesihle Mchunu<br>491465<br>23.02.2025 | Train |
| 10300 | A | Reset PEA using switch 44S6                                            |  | OK |   | Siphesihle Mchunu<br>491465<br>23.02.2025 | Train |
| 10301 | R | Read Defined Variable [TT]<br>(MPU1)bcu1_tlnotinhib = 1.0              |  | OK | 1 | Siphesihle Mchunu<br>491465<br>23.02.2025 | Train |
| 10302 | R | Read Defined Variable [TT]<br>(MPU1)BCU2_TINotInhib = 1.0              |  | OK | 1 | Siphesihle Mchunu<br>491465<br>23.02.2025 | Train |
| 10303 | R | Read Defined Variable [TT]<br>(MPU1)TBCU1_TINotInhib = 1.0             |  | OK | 1 | Siphesihle Mchunu<br>491465<br>23.02.2025 | Train |
| 10304 | R | Read Defined Variable [TT]<br>(MPU1)TBCU2_tlnotinhib = 1.0             |  | OK | 1 | Siphesihle Mchunu<br>491465<br>23.02.2025 | Train |
| 10305 | R | Read Defined Variable [TT]<br>(MPU1)tbcu3_tlnotinhib = 1.0             |  | OK | 1 | Siphesihle Mchunu<br>491465<br>23.02.2025 | Train |

|       |   |                                                                        |  |    |   |                                           |       |
|-------|---|------------------------------------------------------------------------|--|----|---|-------------------------------------------|-------|
| 10306 | R | Read Defined Variable [TT]<br>(MPU1)tbcu4_tlnotinhib = 1.0             |  | OK | 1 | Siphesihle Mchunu<br>491465<br>23.02.2025 | Train |
| 10307 | R | Read Defined Variable [TT]<br>(MPU1)li_drc_tc2tractionauthorr1 = 0.0   |  | OK | 0 | Siphesihle Mchunu<br>491465<br>23.02.2025 | Train |
| 10308 | R | Read Defined Variable [TT]<br>(MPU1)li_drc_tc2tractionauthorr2 = 0.0   |  | OK | 0 | Siphesihle Mchunu<br>491465<br>23.02.2025 | Train |
| 10309 | R | Read Defined Variable [TT]<br>(MPU1)li_drc_tc2tractintoverrider1 = 0.0 |  | OK | 0 | Siphesihle Mchunu<br>491465<br>23.02.2025 | Train |
| 10310 | R | Read Defined Variable [TT]<br>(MPU1)li_drc_tc2tractintoverrider2 = 0.0 |  | OK | 0 | Siphesihle Mchunu<br>491465<br>23.02.2025 | Train |
| 10311 | A | Remove 110V DC from terminal block<br>93XT104_5 point 41               |  | OK |   | Siphesihle Mchunu<br>491465<br>23.02.2025 | Train |
| 10312 | A | Activate any PEA                                                       |  | OK |   | Siphesihle Mchunu<br>491465<br>23.02.2025 | Train |
| 10313 | R | Door is unlocked and can be manually<br>opened                         |  | OK |   | Siphesihle Mchunu<br>491465<br>23.02.2025 | Train |
| 10314 | R | Read Defined Variable [TT]<br>(MPU1)bcu1_tlnotinhib = 0.0              |  | OK | 0 | Siphesihle Mchunu<br>491465<br>23.02.2025 | Train |
| 10315 | R | Read Defined Variable [TT]<br>(MPU1)BCU2_TINotInhib = 0.0              |  | OK | 0 | Siphesihle Mchunu<br>491465<br>23.02.2025 | Train |
| 10316 | R | Read Defined Variable [TT]<br>(MPU1)TBCU1_TINotInhib = 0.0             |  | OK | 0 | Siphesihle Mchunu<br>491465<br>23.02.2025 | Train |
| 10317 | R | Read Defined Variable [TT]<br>(MPU1)TBCU2_tlnotinhib = 0.0             |  | OK | 0 | Siphesihle Mchunu<br>491465<br>23.02.2025 | Train |
| 10318 | R | Read Defined Variable [TT]<br>(MPU1)tbcu3_tlnotinhib = 0.0             |  | OK | 0 | Siphesihle Mchunu<br>491465<br>23.02.2025 | Train |
| 10319 | R | Read Defined Variable [TT]<br>(MPU1)tbcu4_tlnotinhib = 0.0             |  | OK | 0 | Siphesihle Mchunu<br>491465<br>23.02.2025 | Train |
| 10320 | R | Read Defined Variable [TT]<br>(MPU1)li_drc_tc2tractionauthorr1 = 1.0   |  | OK | 1 | Siphesihle Mchunu<br>491465<br>23.02.2025 | Train |
| 10321 | R | Read Defined Variable [TT]<br>(MPU1)li_drc_tc2tractionauthorr2 = 1.0   |  | OK | 1 | Siphesihle Mchunu<br>491465<br>23.02.2025 | Train |
| 10322 | R | Read Defined Variable [TT]<br>(MPU1)li_drc_tc2tractintoverrider1 = 0.0 |  | OK | 0 | Siphesihle Mchunu<br>491465<br>23.02.2025 | Train |
| 10323 | R | Read Defined Variable [TT]<br>(MPU1)li_drc_tc2tractintoverrider2 = 0.0 |  | OK | 0 | Siphesihle Mchunu<br>491465<br>23.02.2025 | Train |
| 10324 | A | Reset PEA using switch 44S6                                            |  | OK |   | Siphesihle Mchunu<br>491465               | Train |

|       |   |                                                                        |  |    |   |                                           |       |
|-------|---|------------------------------------------------------------------------|--|----|---|-------------------------------------------|-------|
|       |   |                                                                        |  |    |   | 23.02.2025                                |       |
| 10325 | A | Close the door opened above manually                                   |  | OK |   | Siphesihle Mchunu<br>491465<br>23.02.2025 | Train |
| 10326 | R | Door safety loop is closed, contactor 51K1 and 51K2 are energized      |  | OK |   | Siphesihle Mchunu<br>491465<br>23.02.2025 | Train |
| 10327 | R | Read Defined Variable [TT]<br>(MPU1)bcu1_tlnotinhib = 1.0              |  | OK | 1 | Siphesihle Mchunu<br>491465<br>23.02.2025 | Train |
| 10328 | R | Read Defined Variable [TT]<br>(MPU1)BCU2_TINotInhib = 1.0              |  | OK | 1 | Siphesihle Mchunu<br>491465<br>23.02.2025 | Train |
| 10329 | R | Read Defined Variable [TT]<br>(MPU1)TBCU1_TINotInhib = 1.0             |  | OK | 1 | Siphesihle Mchunu<br>491465<br>23.02.2025 | Train |
| 10330 | R | Read Defined Variable [TT]<br>(MPU1)TBCU2_tlnotinhib = 1.0             |  | OK | 1 | Siphesihle Mchunu<br>491465<br>23.02.2025 | Train |
| 10331 | R | Read Defined Variable [TT]<br>(MPU1)tbcu3_tlnotinhib = 1.0             |  | OK | 1 | Siphesihle Mchunu<br>491465<br>23.02.2025 | Train |
| 10332 | R | Read Defined Variable [TT]<br>(MPU1)tbcu4_tlnotinhib = 1.0             |  | OK | 1 | Siphesihle Mchunu<br>491465<br>23.02.2025 | Train |
| 10333 | R | Read Defined Variable [TT]<br>(MPU1)li_drc_tc2tractionauthorr1 = 0.0   |  | OK | 0 | Siphesihle Mchunu<br>491465<br>23.02.2025 | Train |
| 10334 | R | Read Defined Variable [TT]<br>(MPU1)li_drc_tc2tractionauthorr2 = 0.0   |  | OK | 0 | Siphesihle Mchunu<br>491465<br>23.02.2025 | Train |
| 10335 | R | Read Defined Variable [TT]<br>(MPU1)li_drc_tc2tractintoverrider1 = 0.0 |  | OK | 0 | Siphesihle Mchunu<br>491465<br>23.02.2025 | Train |
| 10336 | R | Read Defined Variable [TT]<br>(MPU1)li_drc_tc2tractintoverrider2 = 0.0 |  | OK | 0 | Siphesihle Mchunu<br>491465<br>23.02.2025 | Train |
| 10337 | A | Press the red button 44S1 to make an emergency brake                   |  | OK |   | Siphesihle Mchunu<br>491465<br>23.02.2025 | Train |
| 10338 | R | Read Defined Variable [TT]<br>(MPU1)bcu1_tlnotinhib = 0.0              |  | OK | 0 | Siphesihle Mchunu<br>491465<br>23.02.2025 | Train |
| 10339 | R | Read Defined Variable [TT]<br>(MPU1)BCU2_TINotInhib = 0.0              |  | OK | 0 | Siphesihle Mchunu<br>491465<br>23.02.2025 | Train |
| 10340 | R | Read Defined Variable [TT]<br>(MPU1)TBCU1_TINotInhib = 0.0             |  | OK | 0 | Siphesihle Mchunu<br>491465<br>23.02.2025 | Train |
| 10341 | R | Read Defined Variable [TT]<br>(MPU1)TBCU2_tlnotinhib = 0.0             |  | OK | 0 | Siphesihle Mchunu<br>491465<br>23.02.2025 | Train |
| 10342 | R | Read Defined Variable [TT]<br>(MPU1)tbcu3_tlnotinhib = 0.0             |  | OK | 0 | Siphesihle Mchunu<br>491465<br>23.02.2025 | Train |

|       |   |                                                                                           |  |    |   |                                          |       |
|-------|---|-------------------------------------------------------------------------------------------|--|----|---|------------------------------------------|-------|
| 10343 | R | Read Defined Variable [TT]<br>(MPU1)tbcu4_tlnotinhib = 0.0                                |  | OK | 0 | Siphehile Mchunu<br>491465<br>23.02.2025 | Train |
| 10344 | R | Read Defined Variable [TT]<br>(MPU1)li_drc_tc2tractionauthorr1 = 1.0                      |  | OK | 1 | Siphehile Mchunu<br>491465<br>23.02.2025 | Train |
| 10345 | R | Read Defined Variable [TT]<br>(MPU1)li_drc_tc2tractionauthorr2 = 1.0                      |  | OK | 1 | Siphehile Mchunu<br>491465<br>23.02.2025 | Train |
| 10346 | R | Read Defined Variable [TT]<br>(MPU1)li_drc_tc2tractintoverrider1 = 0.0                    |  | OK | 0 | Siphehile Mchunu<br>491465<br>23.02.2025 | Train |
| 10347 | R | Read Defined Variable [TT]<br>(MPU1)li_drc_tc2tractintoverrider2 = 0.0                    |  | OK | 0 | Siphehile Mchunu<br>491465<br>23.02.2025 | Train |
| 10348 | A | Release the red button 44S1 for<br>emergency brake                                        |  | OK |   | Siphehile Mchunu<br>491465<br>23.02.2025 | Train |
| 10349 | A | Put the direction selector switch in<br>NEUTRAL position and again in<br>FORWARD position |  | OK |   | Siphehile Mchunu<br>491465<br>23.02.2025 | Train |
| 10350 | R | Read Defined Variable [TT]<br>(MPU1)bcu1_tlnotinhib = 1.0                                 |  | OK | 1 | Siphehile Mchunu<br>491465<br>23.02.2025 | Train |
| 10351 | R | Read Defined Variable [TT]<br>(MPU1)BCU2_TINotInhib = 1.0                                 |  | OK | 1 | Siphehile Mchunu<br>491465<br>23.02.2025 | Train |
| 10352 | R | Read Defined Variable [TT]<br>(MPU1)TBCU1_TINotInhib = 1.0                                |  | OK | 1 | Siphehile Mchunu<br>491465<br>23.02.2025 | Train |
| 10353 | R | Read Defined Variable [TT]<br>(MPU1)TBCU2_tlnotinhib = 1.0                                |  | OK | 1 | Siphehile Mchunu<br>491465<br>23.02.2025 | Train |
| 10354 | R | Read Defined Variable [TT]<br>(MPU1)tbcu3_tlnotinhib = 1.0                                |  | OK | 1 | Siphehile Mchunu<br>491465<br>23.02.2025 | Train |
| 10355 | R | Read Defined Variable [TT]<br>(MPU1)tbcu4_tlnotinhib = 1.0                                |  | OK | 1 | Siphehile Mchunu<br>491465<br>23.02.2025 | Train |
| 10356 | R | Read Defined Variable [TT]<br>(MPU1)li_drc_tc2tractionauthorr1 = 0.0                      |  | OK | 0 | Siphehile Mchunu<br>491465<br>23.02.2025 | Train |
| 10357 | R | Read Defined Variable [TT]<br>(MPU1)li_drc_tc2tractionauthorr2 = 0.0                      |  | OK | 0 | Siphehile Mchunu<br>491465<br>23.02.2025 | Train |
| 10358 | R | Read Defined Variable [TT]<br>(MPU1)li_drc_tc2tractintoverrider1 = 0.0                    |  | OK | 0 | Siphehile Mchunu<br>491465<br>23.02.2025 | Train |
| 10359 | R | Read Defined Variable [TT]<br>(MPU1)li_drc_tc2tractintoverrider2 = 0.0                    |  | OK | 0 | Siphehile Mchunu<br>491465<br>23.02.2025 | Train |
| 10360 | A | Force [TT]<br>(MPU1)lo_drc_tc2tractionloopr2 = 0.0                                        |  | OK |   | Siphehile Mchunu<br>491465<br>23.02.2025 | Train |

|       |   |                                                                        |  |    |   |                                           |       |
|-------|---|------------------------------------------------------------------------|--|----|---|-------------------------------------------|-------|
| 10361 | A | Force [TT]<br>(MPU1)lo_drc_tc2tractionloopr1 = 1.0                     |  | OK |   | Siphesihle Mchunu<br>491465<br>23.02.2025 | Train |
| 10362 | R | Read Defined Variable [TT]<br>(MPU1)bcu1_tlnotinhib = 1.0              |  | OK | 1 | Siphesihle Mchunu<br>491465<br>23.02.2025 | Train |
| 10363 | R | Read Defined Variable [TT]<br>(MPU1)BCU2_TINotInhib = 1.0              |  | OK | 1 | Siphesihle Mchunu<br>491465<br>23.02.2025 | Train |
| 10364 | R | Read Defined Variable [TT]<br>(MPU1)TBCU1_TINotInhib = 1.0             |  | OK | 1 | Siphesihle Mchunu<br>491465<br>23.02.2025 | Train |
| 10365 | R | Read Defined Variable [TT]<br>(MPU1)TBCU2_tlnotinhib = 1.0             |  | OK | 1 | Siphesihle Mchunu<br>491465<br>23.02.2025 | Train |
| 10366 | R | Read Defined Variable [TT]<br>(MPU1)tbcu3_tlnotinhib = 1.0             |  | OK | 1 | Siphesihle Mchunu<br>491465<br>23.02.2025 | Train |
| 10367 | R | Read Defined Variable [TT]<br>(MPU1)tbcu4_tlnotinhib = 1.0             |  | OK | 1 | Siphesihle Mchunu<br>491465<br>23.02.2025 | Train |
| 10368 | R | Read Defined Variable [TT]<br>(MPU1)li_drc_tc2tractionauthorr1 = 0.0   |  | OK | 0 | Siphesihle Mchunu<br>491465<br>23.02.2025 | Train |
| 10369 | R | Read Defined Variable [TT]<br>(MPU1)li_drc_tc2tractionauthorr2 = 0.0   |  | OK | 0 | Siphesihle Mchunu<br>491465<br>23.02.2025 | Train |
| 10370 | R | Read Defined Variable [TT]<br>(MPU1)li_drc_tc2tractintoverrider1 = 0.0 |  | OK | 0 | Siphesihle Mchunu<br>491465<br>23.02.2025 | Train |
| 10371 | R | Read Defined Variable [TT]<br>(MPU1)li_drc_tc2tractintoverrider2 = 0.0 |  | OK | 0 | Siphesihle Mchunu<br>491465<br>23.02.2025 | Train |
| 10372 | A | Force [TT]<br>(MPU1)lo_drc_tc2tractionloopr2 = 1.0                     |  | OK |   | Siphesihle Mchunu<br>491465<br>23.02.2025 | Train |
| 10373 | A | Force [TT]<br>(MPU1)lo_drc_tc2tractionloopr1 = 0.0                     |  | OK |   | Siphesihle Mchunu<br>491465<br>23.02.2025 | Train |
| 10374 | R | Read Defined Variable [TT]<br>(MPU1)bcu1_tlnotinhib = 1.0              |  | OK | 1 | Siphesihle Mchunu<br>491465<br>23.02.2025 | Train |
| 10375 | R | Read Defined Variable [TT]<br>(MPU1)BCU2_TINotInhib = 1.0              |  | OK | 1 | Siphesihle Mchunu<br>491465<br>23.02.2025 | Train |
| 10376 | R | Read Defined Variable [TT]<br>(MPU1)TBCU1_TINotInhib = 1.0             |  | OK | 1 | Siphesihle Mchunu<br>491465<br>23.02.2025 | Train |
| 10377 | R | Read Defined Variable [TT]<br>(MPU1)TBCU2_tlnotinhib = 1.0             |  | OK | 1 | Siphesihle Mchunu<br>491465<br>23.02.2025 | Train |
| 10378 | R | Read Defined Variable [TT]<br>(MPU1)tbcu3_tlnotinhib = 1.0             |  | OK | 1 | Siphesihle Mchunu<br>491465<br>23.02.2025 | Train |

|       |   |                                                                        |  |    |   |                                           |       |
|-------|---|------------------------------------------------------------------------|--|----|---|-------------------------------------------|-------|
| 10379 | R | Read Defined Variable [TT]<br>(MPU1)tbcu4_tlnotinhb = 1.0              |  | OK | 1 | Siphesihle Mchunu<br>491465<br>23.02.2025 | Train |
| 10380 | R | Read Defined Variable [TT]<br>(MPU1)li_drc_tc2tractionauthorr1 = 0.0   |  | OK | 0 | Siphesihle Mchunu<br>491465<br>23.02.2025 | Train |
| 10381 | R | Read Defined Variable [TT]<br>(MPU1)li_drc_tc2tractionauthorr2 = 0.0   |  | OK | 0 | Siphesihle Mchunu<br>491465<br>23.02.2025 | Train |
| 10382 | R | Read Defined Variable [TT]<br>(MPU1)li_drc_tc2tractintoverrider1 = 0.0 |  | OK | 0 | Siphesihle Mchunu<br>491465<br>23.02.2025 | Train |
| 10383 | R | Read Defined Variable [TT]<br>(MPU1)li_drc_tc2tractintoverrider2 = 0.0 |  | OK | 0 | Siphesihle Mchunu<br>491465<br>23.02.2025 | Train |
| 10384 | A | Force [TT]<br>(MPU1)lo_drc_tc2tractionloopr2 = 0.0                     |  | OK |   | Siphesihle Mchunu<br>491465<br>23.02.2025 | Train |
| 10385 | A | Force [TT]<br>(MPU1)lo_drc_tc2tractionloopr1 = 0.0                     |  | OK |   | Siphesihle Mchunu<br>491465<br>23.02.2025 | Train |
| 10386 | A | Put the direction selector switch in<br>NEUTRAL position               |  | OK |   | Siphesihle Mchunu<br>491465<br>23.02.2025 | Train |
| 10387 | R | Read Defined Variable [TT]<br>(MPU1)TBCU1_TINotInhib = 0.0             |  | OK | 0 | Siphesihle Mchunu<br>491465<br>23.02.2025 | Train |
| 10388 | R | Read Defined Variable [TT]<br>(MPU1)TBCU2_tlnotinhb = 0.0              |  | OK | 0 | Siphesihle Mchunu<br>491465<br>23.02.2025 | Train |
| 10389 | R | Read Defined Variable [TT]<br>(MPU1)tbcu3_tlnotinhb = 0.0              |  | OK | 0 | Siphesihle Mchunu<br>491465<br>23.02.2025 | Train |
| 10390 | R | Read Defined Variable [TT]<br>(MPU1)tbcu4_tlnotinhb = 0.0              |  | OK | 0 | Siphesihle Mchunu<br>491465<br>23.02.2025 | Train |
| 10391 | R | Read Defined Variable [TT]<br>(MPU1)bcu1_tlnotinhb = 0.0               |  | OK | 0 | Siphesihle Mchunu<br>491465<br>23.02.2025 | Train |
| 10392 | R | Read Defined Variable [TT]<br>(MPU1)BCU2_TINotInhib = 0.0              |  | OK | 0 | Siphesihle Mchunu<br>491465<br>23.02.2025 | Train |
| 10393 | R | Read Defined Variable [TT]<br>(MPU1)li_drc_tc2tractionauthorr1 = 1.0   |  | OK | 1 | Siphesihle Mchunu<br>491465<br>23.02.2025 | Train |
| 10394 | R | Read Defined Variable [TT]<br>(MPU1)li_drc_tc2tractionauthorr2 = 1.0   |  | OK | 1 | Siphesihle Mchunu<br>491465<br>23.02.2025 | Train |
| 10395 | R | Read Defined Variable [TT]<br>(MPU1)li_drc_tc2tractintoverrider1 = 0.0 |  | OK | 0 | Siphesihle Mchunu<br>491465<br>23.02.2025 | Train |
| 10396 | R | Read Defined Variable [TT]<br>(MPU1)li_drc_tc2tractintoverrider2 = 0.0 |  | OK | 0 | Siphesihle Mchunu<br>491465<br>23.02.2025 | Train |
| 10397 | I | Traction Interlock Override TC2                                        |  | OK |   | Siphesihle Mchunu<br>491465               | Train |

|       |   |                                                                        |  |    |   |                                           |       |
|-------|---|------------------------------------------------------------------------|--|----|---|-------------------------------------------|-------|
|       |   |                                                                        |  |    |   | 23.02.2025                                |       |
| 10398 | A | Put the Traction Interlock switch 31S1 in OVERRIDE position            |  | OK |   | Siphesihle Mchunu<br>491465<br>23.02.2025 | Train |
| 10399 | R | Read Defined Variable [TT]<br>(MPU1)bcu1_tlnotinhib = 1.0              |  | OK | 1 | Siphesihle Mchunu<br>491465<br>23.02.2025 | Train |
| 10400 | R | Read Defined Variable [TT]<br>(MPU1)li_drc_tc2tractionauthorr1 = 1.0   |  | OK | 1 | Siphesihle Mchunu<br>491465<br>23.02.2025 | Train |
| 10401 | R | Read Defined Variable [TT]<br>(MPU1)li_drc_tc2tractionauthorr2 = 1.0   |  | OK | 1 | Siphesihle Mchunu<br>491465<br>23.02.2025 | Train |
| 10402 | R | Read Defined Variable [TT]<br>(MPU1)li_drc_tc2tractintoverrider1 = 1.0 |  | OK | 1 | Siphesihle Mchunu<br>491465<br>23.02.2025 | Train |
| 10403 | R | Read Defined Variable [TT]<br>(MPU1)li_drc_tc2tractintoverrider2 = 1.0 |  | OK | 1 | Siphesihle Mchunu<br>491465<br>23.02.2025 | Train |
| 10404 | R | Read Defined Variable [TT]<br>(MPU1)BCU2_TINotInhib = 1.0              |  | OK | 1 | Siphesihle Mchunu<br>491465<br>23.02.2025 | Train |
| 10405 | R | Read Defined Variable [TT]<br>(MPU1)TBCU1_TINotInhib = 1.0             |  | OK | 1 | Siphesihle Mchunu<br>491465<br>23.02.2025 | Train |
| 10406 | R | Read Defined Variable [TT]<br>(MPU1)TBCU2_tlnotinhib = 1.0             |  | OK | 1 | Siphesihle Mchunu<br>491465<br>23.02.2025 | Train |
| 10407 | R | Read Defined Variable [TT]<br>(MPU1)tbcu3_tlnotinhib = 1.0             |  | OK | 1 | Siphesihle Mchunu<br>491465<br>23.02.2025 | Train |
| 10408 | R | Read Defined Variable [TT]<br>(MPU1)tbcu4_tlnotinhib = 1.0             |  | OK | 1 | Siphesihle Mchunu<br>491465<br>23.02.2025 | Train |
| 10409 | A | Put the Traction Interlock switch 31S1 in NORMAL position              |  | OK |   | Siphesihle Mchunu<br>491465<br>23.02.2025 | Train |
| 10410 | R | Read Defined Variable [TT]<br>(MPU1)bcu1_tlnotinhib = 0.0              |  | OK | 0 | Siphesihle Mchunu<br>491465<br>23.02.2025 | Train |
| 10411 | R | Read Defined Variable [TT]<br>(MPU1)li_drc_tc2tractionauthorr1 = 1.0   |  | OK | 1 | Siphesihle Mchunu<br>491465<br>23.02.2025 | Train |
| 10412 | R | Read Defined Variable [TT]<br>(MPU1)li_drc_tc2tractionauthorr2 = 1.0   |  | OK | 1 | Siphesihle Mchunu<br>491465<br>23.02.2025 | Train |
| 10413 | R | Read Defined Variable [TT]<br>(MPU1)li_drc_tc2tractintoverrider1 = 0.0 |  | OK | 0 | Siphesihle Mchunu<br>491465<br>23.02.2025 | Train |
| 10414 | R | Read Defined Variable [TT]<br>(MPU1)li_drc_tc2tractintoverrider2 = 0.0 |  | OK | 0 | Siphesihle Mchunu<br>491465<br>23.02.2025 | Train |
| 10415 | R | Read Defined Variable [TT]<br>(MPU1)BCU2_TINotInhib = 0.0              |  | OK | 0 | Siphesihle Mchunu<br>491465<br>23.02.2025 | Train |



|       |   |                                                                            |  |    |   |                                           |       |
|-------|---|----------------------------------------------------------------------------|--|----|---|-------------------------------------------|-------|
| 10416 | R | Read Defined Variable [TT]<br>(MPU1)TBCU1_TInotInhib = 0.0                 |  | OK | 0 | Siphesihle Mchunu<br>491465<br>23.02.2025 | Train |
| 10417 | R | Read Defined Variable [TT]<br>(MPU1)TBCU2_tInotInhib = 0.0                 |  | OK | 0 | Siphesihle Mchunu<br>491465<br>23.02.2025 | Train |
| 10418 | R | Read Defined Variable [TT]<br>(MPU1)tbcu3_tInotInhib = 0.0                 |  | OK | 0 | Siphesihle Mchunu<br>491465<br>23.02.2025 | Train |
| 10419 | R | Read Defined Variable [TT]<br>(MPU1)tbcu4_tInotInhib = 0.0                 |  | OK | 0 | Siphesihle Mchunu<br>491465<br>23.02.2025 | Train |
| 10420 | A | Put the direction selector switch 30A1.S2<br>should be in NEUTRAL position |  | OK |   | Siphesihle Mchunu<br>491465<br>23.02.2025 | Train |
| 10421 | I | End of Test                                                                |  | OK |   | Siphesihle Mchunu<br>491465<br>23.02.2025 | Train |



|                                                                               |                                                    |                             |
|-------------------------------------------------------------------------------|----------------------------------------------------|-----------------------------|
| Serial Tests Report<br>TS270 – TFS<br>RTR Train Functional Static Test Report | Document Reference<br>GIB0000007854<br>Version: A0 | Emission date<br>27/02/2025 |
|-------------------------------------------------------------------------------|----------------------------------------------------|-----------------------------|

## Section 20 – Deadman

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### 20.1 Instructions list

### 20.1.1 060\_DSD-Deadman

I - Information      A - Action      R - Result      NE - Not Executed

| N°    | Type | Instruction                                                                               | File                                                                                | Result status | Result value | Operator                                | Vehicle |
|-------|------|-------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|---------------|--------------|-----------------------------------------|---------|
| 10001 | I    | Deadman SPP = 060                                                                         |                                                                                     | OK            |              | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train   |
| 10002 | I    | Initial Conditions                                                                        |                                                                                     | OK            |              | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train   |
| 10003 | I    | The Traction and Emergency test procedure must be completed prior to performing this test |                                                                                     | OK            |              | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train   |
| 10004 | I    | Lamp 60H2 is OFF                                                                          |                                                                                     | OK            |              | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train   |
| 10005 | I    | Master Controller is in Neutral position                                                  |                                                                                     | OK            |              | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train   |
| 10006 | I    | No Driving Direction selected                                                             |                                                                                     | OK            |              | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train   |
| 10007 | I    | Prepare train in LV ready with active cab on TC1                                          |                                                                                     | OK            |              | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train   |
| 10008 | I    | Start of Test                                                                             |                                                                                     | OK            |              | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train   |
| 10009 | I    | Deadman override TC1                                                                      |                                                                                     | OK            |              | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train   |
| 10010 | R    | Read Defined Variable [TT] (MPU1)li_dsd_tc1deadmanoverridr1 = 0.0                         |                                                                                     | OK            | 0            | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train   |
| 10011 | A    | Put the override switch 60S1 to OVERRIDE position                                         |                                                                                     | OK            |              | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train   |
| 10012 | R    | Lamp 60H2 is "ON" on the alarm module                                                     |  | OK            |              | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train   |
| 10013 | R    | Verify that the Deadman override indication appears on the DDU screen                     |                                                                                     | OK            |              | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train   |
| 10014 | R    | Read Defined Variable [TT] (MPU1)li_dsd_tc1deadmanoverridr2 = 1.0                         |                                                                                     | OK            | 1            | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train   |
| 10015 | A    | Put the override switch 60S1 to NORMAL position                                           |                                                                                     | OK            |              | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train   |

|       |   |                                                                                          |  |    |   |                                         |       |
|-------|---|------------------------------------------------------------------------------------------|--|----|---|-----------------------------------------|-------|
| 10016 | R | Read Defined Variable [TT]<br>(MPU1)li_dsd_tc1deadmanoverridr1 = 0.0                     |  | OK | 0 | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10017 | R | Lamp 60H2 is OFF                                                                         |  | OK |   | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10018 | I | Deadman by Master Controller TC1                                                         |  | OK |   | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10019 | R | Read Defined Variable [TT]<br>(MPU1)li_dsd_tc1deadmanr1 = 0.0                            |  | OK | 0 | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10020 | A | Press the master controller Deadman switch 30A1.S4 and hold while reading variable below |  | OK |   | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10021 | R | Read Defined Variable [TT]<br>(MPU1)li_dsd_tc1deadmanr1 = 1.0                            |  | OK | 1 | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10022 | A | Release the Master Controller switch 30A1.S4                                             |  | OK |   | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10023 | R | Read Defined Variable [TT]<br>(MPU1)li_dsd_tc1deadmanr1 = 0.0                            |  | OK | 0 | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10024 | I | Deadman by button 60S3 TC1                                                               |  | OK |   | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10025 | R | Read Defined Variable [TT]<br>(MPU1)li_dsd_tc1deadmanr1 = 0.0                            |  | OK | 0 | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10026 | A | Press the button 60S3 and hold it while reading variable below                           |  | OK |   | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10027 | R | Read Defined Variable [TT]<br>(MPU1)li_dsd_tc1deadmanr1 = 1.0                            |  | OK | 1 | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10028 | A | Release the button 60S3                                                                  |  | OK |   | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10029 | R | Read Defined Variable [TT]<br>(MPU1)li_dsd_tc1deadmanr1 = 0.0                            |  | OK | 0 | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10030 | I | Deadman functional test TC1                                                              |  | OK |   | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10031 | R | Read Defined Variable [TT]<br>(MPU1)lo_dsd_tc1dmbuzzerr1 = 0.0                           |  | OK | 0 | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10032 | R | Read Defined Variable [TT]<br>(MPU1)lo_dsd_tc1deadmanlampr1 = 0.0                        |  | OK | 0 | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10033 | R | Read Defined Variable [TT]                                                               |  | OK | 0 | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |

|       |   |                                                                                        |                                                                                   |    |   |                                         |       |
|-------|---|----------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|----|---|-----------------------------------------|-------|
|       |   | (MPU1)li_dsd_tc1ebdeadmanrelay1 = 0.0                                                  |                                                                                   |    |   |                                         |       |
| 10034 | A | Select Driving Direction to FORWARD                                                    |                                                                                   | OK |   | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10035 | R | Read Defined Variable [TT]<br>(MPU1)bcu1_tneb = 0.0                                    |                                                                                   | OK | 0 | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10036 | I | After 2.5 seconds buzzer starts beeping                                                |                                                                                   | OK |   | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10037 | R | Lamp 60H1 is ON                                                                        |  | OK |   | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10038 | R | Read Defined Variable [TT]<br>(MPU1)lo_dsd_tc1deadmanlampr1 = 1.0                      |                                                                                   | OK | 1 | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10039 | R | Read Defined Variable [TT]<br>(MPU1)lo_dsd_tc1dmbuzzerr1 = 1.0                         |                                                                                   | OK | 1 | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10040 | I | A constant push on the button 60S3 or Master controller will result in Emergency brake |                                                                                   | OK |   | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10041 | A | Press and hold down the master controller for about 2s                                 |                                                                                   | OK |   | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10042 | R | Lamp 60H1 is OFF                                                                       |                                                                                   | OK |   | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10043 | R | No sound from buzzer                                                                   |                                                                                   | OK |   | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10044 | A | Release master controller                                                              |                                                                                   | OK |   | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10045 | I | After 2.5 seconds buzzer starts beeping                                                |                                                                                   | OK |   | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10046 | R | Lamp 60H1 is ON                                                                        |                                                                                   | OK |   | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10047 | A | Press and hold the button 60S3 for about 2s                                            |                                                                                   | OK |   | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10048 | R | Lamp 60H1 is OFF                                                                       |                                                                                   | OK |   | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10049 | R | No sound from buzzer                                                                   |                                                                                   | OK |   | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10050 | A | Release Deadman button 60S3                                                            |                                                                                   | OK |   | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10051 | I | After 2.5 seconds buzzer starts beeping                                                |                                                                                   | OK |   | Sizwe Sibanyoni<br>484647               | Train |

|       |   |                                                                                    |                                                                                     |    |   |                                         |       |
|-------|---|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|----|---|-----------------------------------------|-------|
|       |   |                                                                                    |                                                                                     |    |   | 22.02.2025                              |       |
| 10052 | R | After 5 seconds, emergency brake is applied                                        |    | OK |   | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10053 | R | Verify on the DDU that the Emergency brake by Deadman indication is ON             |                                                                                     | OK |   | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10054 | R | Read Defined Variable [TT]<br>(MPU1)li_dsd_tc1ebdeadmanrelayr1 = 1.0               |                                                                                     | OK | 1 | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10055 | R | Read Defined Variable [TT]<br>(MPU1)bcu1_tneb = 0.0                                |                                                                                     | OK | 0 | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10056 | A | Select Driving direction to NEUTRAL and FORWARD again to reset the emergency brake |                                                                                     | OK |   | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10057 | R | Read Defined Variable [TT]<br>(MPU1)bcu1_tneb = 0.0                                |                                                                                     | OK | 0 | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10058 | A | Press down the Master controller and hold                                          |                                                                                     | OK |   | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10059 | I | After 45s, emergency brake is applied                                              |  | OK |   | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10060 | R | Verify on the DDU that the Emergency brake by Deadman indication is ON             |                                                                                     | OK |   | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10061 | R | Read Defined Variable [TT]<br>(MPU1)li_dsd_tc1ebdeadmanrelayr1 = 0.0               |                                                                                     | OK | 0 | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10062 | A | Release the Master controller                                                      |                                                                                     | OK |   | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10063 | A | Select the driving direction to NEUTRAL position                                   |                                                                                     | OK |   | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10064 | R | Read Defined Variable [TT]<br>(MPU1)bcu1_tneb = 0.0                                |                                                                                     | OK | 0 | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10065 | A | Remove active cab on TC1                                                           |                                                                                     | OK |   | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10066 | I | Deadman Override TC2                                                               |                                                                                     | OK |   | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10067 | A | Active cab on TC2                                                                  |                                                                                     | OK |   | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10068 | I | Deadman override switch 60S1 must be in NORMAL position                            |                                                                                     | OK |   | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |

|       |   |                                                                                          |                                                                                   |    |   |                                         |       |
|-------|---|------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|----|---|-----------------------------------------|-------|
| 10069 | R | Read Defined Variable [TT]<br>(MPU1)li_dsd_tc2deadmanoverridr1 = 0.0                     |                                                                                   | OK | 0 | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10070 | A | Put the Deadman override switch 60S1 to OVERRIDE position                                |  | OK |   | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10071 | R | Verify on the DDU that the Deadman override indication is ON                             |                                                                                   | OK |   | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10072 | R | Read Defined Variable [TT]<br>(MPU1)li_dsd_tc2deadmanoverridr1 = 1.0                     |                                                                                   | OK | 1 | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10073 | R | Lamp 60H2 is ON                                                                          |                                                                                   | OK |   | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10074 | A | Put the override switch 60S1 in NORMAL position                                          |                                                                                   | OK |   | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10075 | R | Read Defined Variable [TT]<br>(MPU1)li_dsd_tc2deadmanoverridr1 = 0.0                     |                                                                                   | OK | 0 | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10076 | R | Lamp 60H2 is OFF                                                                         |                                                                                   | OK |   | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10077 | I | Deadman by Master Controller TC2                                                         |                                                                                   | OK |   | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10078 | R | Read Defined Variable [TT]<br>(MPU1)li_dsd_tc2deadmanr2 = 0.0                            |                                                                                   | OK | 0 | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10079 | A | Press the master controller Deadman switch 30A1.S4 and hold while reading variable below |                                                                                   | OK |   | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10080 | R | Read Defined Variable [TT]<br>(MPU1)li_dsd_tc2deadmanr2 = 1.0                            |                                                                                   | OK | 1 | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10081 | A | Release the master controller                                                            |                                                                                   | OK |   | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10082 | R | Read Defined Variable [TT]<br>(MPU1)li_dsd_tc2deadmanr2 = 0.0                            |                                                                                   | OK | 0 | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10083 | I | Deadman by button 60S3 TC2                                                               |                                                                                   | OK |   | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10084 | R | Read Defined Variable [TT]<br>(MPU1)li_dsd_tc2deadmanr1 = 0.0                            |                                                                                   | OK | 0 | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10085 | A | Press the button 60S3 and hold it while reading the variable below                       |                                                                                   | OK |   | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |



|       |   |                                                                                              |                                                                                     |    |   |                                         |       |
|-------|---|----------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|----|---|-----------------------------------------|-------|
| 10086 | R | Read Defined Variable [TT]<br>(MPU1)li_dsd_tc2deadmanr1 = 1.0                                |                                                                                     | OK | 1 | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10087 | A | Release the button 60S3                                                                      |                                                                                     | OK |   | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10088 | R | Read Defined Variable [TT]<br>(MPU1)li_dsd_tc2deadmanr1 = 0.0                                |                                                                                     | OK | 0 | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10089 | R | Read Defined Variable [TT]<br>(MPU1)li_dsd_tc2ebdeadmanrelayr1 = 0.0                         |                                                                                     | OK | 0 | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10090 | I | Deadman functional test TC2                                                                  |                                                                                     | OK |   | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10091 | R | Read Defined Variable [TT]<br>(MPU1)lo_dsd_tc2dmbuzzerr1 = 0.0                               |                                                                                     | OK | 0 | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10092 | R | Read Defined Variable [TT]<br>(MPU1)lo_dsd_tc2deadmanlampr1 = 0.0                            |                                                                                     | OK | 0 | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10093 | A | Select Driving Direction to FORWARD                                                          |                                                                                     | OK |   | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10094 | R | Read Defined Variable [TT]<br>(MPU1)BCU2_TINeb = 0.0                                         |                                                                                     | OK | 0 | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10095 | I | After 2.5 seconds buzzer starts beeping                                                      |                                                                                     | OK |   | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10096 | R | lamp 60H1 is ON                                                                              |  | OK |   | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10097 | R | Verify on the DDU screen that the<br>Deadman active indication is ON                         |                                                                                     | OK |   | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10098 | R | Read Defined Variable [TT]<br>(MPU1)lo_dsd_tc2deadmanlampr1 = 1.0                            |                                                                                     | OK | 1 | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10099 | R | Read Defined Variable [TT]<br>(MPU1)lo_dsd_tc2dmbuzzerr1 = 1.0                               |                                                                                     | OK | 1 | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10100 | I | A constant push on the button 60S3 or<br>Master controller will result in Emergency<br>brake |                                                                                     | OK |   | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10101 | A | Press and hold down the master controller<br>for about 2s                                    |                                                                                     | OK |   | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10102 | R | Lamp 60H1 is OFF                                                                             |                                                                                     | OK |   | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10103 | R | No sound from buzzer                                                                         |                                                                                     | OK |   | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |

|       |   |                                                                                       |                                                                                     |    |   |                                         |       |
|-------|---|---------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|----|---|-----------------------------------------|-------|
| 10104 | A | Release the master controller                                                         |                                                                                     | OK |   | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10105 | R | Read Defined Variable [TT]<br>(MPU1)BCU2_TINeb = 0.0                                  |                                                                                     | OK | 0 | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10106 | R | After 2.5 seconds buzzer starts beeping                                               |                                                                                     | OK |   | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10107 | R | After 5 seconds, emergency brake is applied                                           |    | OK |   | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10108 | R | Verify on the DDU screen that the emergency brake applied by Deadman indication is ON |                                                                                     | OK |   | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10109 | R | Read Defined Variable [TT]<br>(MPU1)li_dsd_tc2ebdeadmanrelay1 = 1.0                   |                                                                                     | OK | 1 | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10110 | A | Select Driving direction to NEUTRAL and FORWARD again to reset the emergency brake    |                                                                                     | OK |   | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10111 | R | Read Defined Variable [TT]<br>(MPU1)BCU2_TINeb = 0.0                                  |                                                                                     | OK | 0 | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10112 | A | Press down the Master controller and hold                                             |                                                                                     | OK |   | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10113 | R | After 45s, emergency brake is applied                                                 |  | OK |   | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10114 | R | Verify on the DDU that the Emergency brake by Deadman indication is ON                |                                                                                     | OK |   | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10115 | R | Read Defined Variable [TT]<br>(MPU1)li_dsd_tc2ebdeadmanrelay1 = 0.0                   |                                                                                     | OK | 0 | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10116 | A | Release the Master controller                                                         |                                                                                     | OK |   | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10117 | A | Select the driving direction to NEUTRAL position                                      |                                                                                     | OK |   | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |
| 10118 | I | End of test                                                                           |                                                                                     | OK |   | Sizwe Sibanyoni<br>484647<br>22.02.2025 | Train |



Serial Tests Report  
TS270 – TFS  
RTR Train Functional Static Test Report

Document Reference  
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Version: A0

Emission date  
27/02/2025

## Section 21 – Rescue Mode and Emergency Disconnection

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### 21.1 Instructions list

### 21.1.1 027\_ERM-Rescue Mode and Emergency Disconnection

I - Information      A - Action      R - Result      NE - Not Executed

| N°    | Type | Instruction                                                                         | File                                                                                | Result status | Result value | Operator                                | Vehicle |
|-------|------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|---------------|--------------|-----------------------------------------|---------|
| 10001 | I    | Rescue Mode and Emergency Disconnection = SPP 027                                   |                                                                                     | OK            |              | Sizwe Sibanyoni<br>484647<br>23.02.2025 | Train   |
| 10002 | I    | Initial Conditions                                                                  |                                                                                     | OK            |              | Sizwe Sibanyoni<br>484647<br>23.02.2025 | Train   |
| 10003 | I    | Train in Normal mode with LV ready                                                  |                                                                                     | OK            |              | Sizwe Sibanyoni<br>484647<br>23.02.2025 | Train   |
| 10004 | I    | Emergency brake is applied due to no direction selected on Train                    |                                                                                     | OK            |              | Sizwe Sibanyoni<br>484647<br>23.02.2025 | Train   |
| 10005 | I    | The Blue button 27S5 must be released in TC1 and TC2                                |                                                                                     | OK            |              | Sizwe Sibanyoni<br>484647<br>23.02.2025 | Train   |
| 10006 | I    | Start of Test                                                                       |                                                                                     | OK            |              | Sizwe Sibanyoni<br>484647<br>23.02.2025 | Train   |
| 10007 | I    | Back-up Mode TC1                                                                    |                                                                                     | OK            |              | Sizwe Sibanyoni<br>484647<br>23.02.2025 | Train   |
| 10008 | A    | Put the switch 27S1 in BACKUP position                                              |                                                                                     | OK            |              | Sizwe Sibanyoni<br>484647<br>23.02.2025 | Train   |
| 10009 | R    | The TCMS is not available on the DDU screen                                         |                                                                                     | OK            |              | Sizwe Sibanyoni<br>484647<br>23.02.2025 | Train   |
| 10010 | R    | Lamp 27H2 is ON                                                                     |  | OK            |              | Sizwe Sibanyoni<br>484647<br>23.02.2025 | Train   |
| 10011 | A    | Timer 60.0 S                                                                        |                                                                                     | OK            |              | Sizwe Sibanyoni<br>484647<br>23.02.2025 | Train   |
| 10012 | R    | Both pantographs are raised                                                         |                                                                                     | OK            |              | Sizwe Sibanyoni<br>484647<br>23.02.2025 | Train   |
| 10013 | R    | Both HSCBs are closed                                                               |                                                                                     | OK            |              | Sizwe Sibanyoni<br>484647<br>23.02.2025 | Train   |
| 10014 | R    | Both ACUs are operational, sound can be heard from outside the train                |                                                                                     | OK            |              | Sizwe Sibanyoni<br>484647<br>23.02.2025 | Train   |
| 10015 | R    | All four traction units are in operation, sound can be heard from outside the train |                                                                                     | OK            |              | Sizwe Sibanyoni<br>484647<br>23.02.2025 | Train   |

|       |   |                                                               |  |    |  |                                         |       |
|-------|---|---------------------------------------------------------------|--|----|--|-----------------------------------------|-------|
| 10016 | R | There is a gradual increase in the main pipe pressure         |  | OK |  | Sizwe Sibanyoni<br>484647<br>23.02.2025 | Train |
| 10017 | R | HVAC units are operational in all cars                        |  | OK |  | Sizwe Sibanyoni<br>484647<br>23.02.2025 | Train |
| 10018 | R | Emergency lighting is ON in all cars                          |  | OK |  | Sizwe Sibanyoni<br>484647<br>23.02.2025 | Train |
| 10019 | I | Emergency Disconnection TC1                                   |  | OK |  | Sizwe Sibanyoni<br>484647<br>23.02.2025 | Train |
| 10020 | A | Push the button 27S5 to disconnect pantographs and open HSCBs |  | OK |  | Sizwe Sibanyoni<br>484647<br>23.02.2025 | Train |
| 10021 | R | Both pantographs are lower and HSCBs are open                 |  | OK |  | Sizwe Sibanyoni<br>484647<br>23.02.2025 | Train |
| 10022 | A | Release the button 27S5                                       |  | OK |  | Sizwe Sibanyoni<br>484647<br>23.02.2025 | Train |
| 10023 | I | Traction authorization TC1                                    |  | OK |  | Sizwe Sibanyoni<br>484647<br>23.02.2025 | Train |
| 10024 | A | Put the direction selector switch in FORWARD position         |  | OK |  | Sizwe Sibanyoni<br>484647<br>23.02.2025 | Train |
| 10025 | R | TA is authorized                                              |  | OK |  | Sizwe Sibanyoni<br>484647<br>23.02.2025 | Train |
| 10026 | R | Lamp 31H1 is ON on the alarm module                           |  | OK |  | Sizwe Sibanyoni<br>484647<br>23.02.2025 | Train |
| 10027 | A | Put the direction selector switch in NEUTRAL position         |  | OK |  | Sizwe Sibanyoni<br>484647<br>23.02.2025 | Train |
| 10028 | R | TA is not authorized                                          |  | OK |  | Sizwe Sibanyoni<br>484647<br>23.02.2025 | Train |
| 10029 | R | Lamp 31H1 is OFF on the alarm module                          |  | OK |  | Sizwe Sibanyoni<br>484647<br>23.02.2025 | Train |
| 10030 | I | Doors Operation TC1                                           |  | OK |  | Sizwe Sibanyoni<br>484647<br>23.02.2025 | Train |
| 10031 | A | Press the auth button 50S5 to open left doors                 |  | OK |  | Sizwe Sibanyoni<br>484647<br>23.02.2025 | Train |
| 10032 | R | Check visually that all left doors are open                   |  | OK |  | Sizwe Sibanyoni<br>484647<br>23.02.2025 | Train |
| 10033 | A | Press the auth button 50S6 to open right doors                |  | OK |  | Sizwe Sibanyoni<br>484647<br>23.02.2025 | Train |

|       |   |                                                                                                                  |  |    |  |                                         |       |
|-------|---|------------------------------------------------------------------------------------------------------------------|--|----|--|-----------------------------------------|-------|
| 10034 | R | Check visually that all right doors are open                                                                     |  | OK |  | Sizwe Sibanyoni<br>484647<br>23.02.2025 | Train |
| 10035 | A | Press the button 50S3 to close all the left doors                                                                |  | OK |  | Sizwe Sibanyoni<br>484647<br>23.02.2025 | Train |
| 10036 | R | Check visually that all left doors are closed                                                                    |  | OK |  | Sizwe Sibanyoni<br>484647<br>23.02.2025 | Train |
| 10037 | A | Press the button 50S4 to close all right doors                                                                   |  | OK |  | Sizwe Sibanyoni<br>484647<br>23.02.2025 | Train |
| 10038 | R | Check visually that all right doors are closed                                                                   |  | OK |  | Sizwe Sibanyoni<br>484647<br>23.02.2025 | Train |
| 10039 | I | Emergency Brake TC1                                                                                              |  | OK |  | Sizwe Sibanyoni<br>484647<br>23.02.2025 | Train |
| 10040 | A | Put the direction selector switch in FORWARD position                                                            |  | OK |  | Sizwe Sibanyoni<br>484647<br>23.02.2025 | Train |
| 10041 | A | Apply emergency brake using the red button 44S1                                                                  |  | OK |  | Sizwe Sibanyoni<br>484647<br>23.02.2025 | Train |
| 10042 | R | Emergency brake is applied, lamp 44H4 is ON                                                                      |  | OK |  | Sizwe Sibanyoni<br>484647<br>23.02.2025 | Train |
| 10043 | R | Verify the pressure of the brake cylinder on the pneumatic gauge on the driver's desk                            |  | OK |  | Sizwe Sibanyoni<br>484647<br>23.02.2025 | Train |
| 10044 | A | Release the emergency brake button 44S1                                                                          |  | OK |  | Sizwe Sibanyoni<br>484647<br>23.02.2025 | Train |
| 10045 | A | Put the direction selector switch in NEUTRAL position and again in FORWARD position to reset the emergency brake |  | OK |  | Sizwe Sibanyoni<br>484647<br>23.02.2025 | Train |
| 10046 | A | Apply emergency brake using by putting the Master Controller in Emergency brake position                         |  | OK |  | Sizwe Sibanyoni<br>484647<br>23.02.2025 | Train |
| 10047 | R | Emergency brake is applied, lamp 44H4 is ON                                                                      |  | OK |  | Sizwe Sibanyoni<br>484647<br>23.02.2025 | Train |
| 10048 | A | Put the Master controller in OFF position                                                                        |  | OK |  | Sizwe Sibanyoni<br>484647<br>23.02.2025 | Train |
| 10049 | A | Put the direction selector switch in NEUTRAL position                                                            |  | OK |  | Sizwe Sibanyoni<br>484647<br>23.02.2025 | Train |
| 10050 | A | Switch OFF the train by putting the switch 18S1 in OFF position                                                  |  | OK |  | Sizwe Sibanyoni<br>484647<br>23.02.2025 | Train |

|       |   |                                                                                     |                                                                                     |    |  |                                         |       |
|-------|---|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|----|--|-----------------------------------------|-------|
| 10051 | A | Remove active cab on TC1                                                            |                                                                                     | OK |  | Sizwe Sibanyoni<br>484647<br>23.02.2025 | Train |
| 10052 | I | Back-up Mode TC2                                                                    |                                                                                     | OK |  | Sizwe Sibanyoni<br>484647<br>23.02.2025 | Train |
| 10053 | R | Train is OFF                                                                        |                                                                                     | OK |  | Sizwe Sibanyoni<br>484647<br>23.02.2025 | Train |
| 10054 | A | Active Cab on TC2                                                                   |                                                                                     | OK |  | Sizwe Sibanyoni<br>484647<br>23.02.2025 | Train |
| 10055 | A | Switch ON the train using battery contactor 18S1                                    |                                                                                     | OK |  | Sizwe Sibanyoni<br>484647<br>23.02.2025 | Train |
| 10056 | R | Train start-up in Normal mode, the TCMS is available on the DDU screen              |                                                                                     | OK |  | Sizwe Sibanyoni<br>484647<br>23.02.2025 | Train |
| 10057 | A | Put the backup mode switch 27S1 in BACKUP position                                  |                                                                                     | OK |  | Sizwe Sibanyoni<br>484647<br>23.02.2025 | Train |
| 10058 | R | The TCMS is no longer available on the DDU screen                                   |                                                                                     | OK |  | Sizwe Sibanyoni<br>484647<br>23.02.2025 | Train |
| 10059 | R | Lamp 27H2 is ON                                                                     |  | OK |  | Sizwe Sibanyoni<br>484647<br>23.02.2025 | Train |
| 10060 | A | Timer 60.0 S                                                                        |                                                                                     | OK |  | Sizwe Sibanyoni<br>484647<br>23.02.2025 | Train |
| 10061 | R | Both pantographs are raised                                                         |                                                                                     | OK |  | Sizwe Sibanyoni<br>484647<br>23.02.2025 | Train |
| 10062 | R | Both HSCBs are closed                                                               |                                                                                     | OK |  | Sizwe Sibanyoni<br>484647<br>23.02.2025 | Train |
| 10063 | R | Both ACUs are operational, sound can be heard from outside the train                |                                                                                     | OK |  | Sizwe Sibanyoni<br>484647<br>23.02.2025 | Train |
| 10064 | R | All four traction units are in operation, sound can be heard from outside the train |                                                                                     | OK |  | Sizwe Sibanyoni<br>484647<br>23.02.2025 | Train |
| 10065 | R | There is a gradual increase in the main pipe pressure                               |                                                                                     | OK |  | Sizwe Sibanyoni<br>484647<br>23.02.2025 | Train |
| 10066 | R | HVAC units are operational in all cars                                              |                                                                                     | OK |  | Sizwe Sibanyoni<br>484647<br>23.02.2025 | Train |
| 10067 | R | Emergency lighting is ON in all cars                                                |                                                                                     | OK |  | Sizwe Sibanyoni<br>484647<br>23.02.2025 | Train |
| 10068 | I | Traction authorization TC2                                                          |                                                                                     | OK |  | Sizwe Sibanyoni<br>484647<br>23.02.2025 | Train |



|       |   |                                                       |  |    |  |                                         |       |
|-------|---|-------------------------------------------------------|--|----|--|-----------------------------------------|-------|
| 10069 | A | Put the direction selector switch in FORWARD position |  | OK |  | Sizwe Sibanyoni<br>484647<br>23.02.2025 | Train |
| 10070 | R | TA is authorized                                      |  | OK |  | Sizwe Sibanyoni<br>484647<br>23.02.2025 | Train |
| 10071 | R | Lamp 31H1 is "ON" on the alarm module                 |  | OK |  | Sizwe Sibanyoni<br>484647<br>23.02.2025 | Train |
| 10072 | R | Relay 31K1 and 31K2 are energized                     |  | OK |  | Sizwe Sibanyoni<br>484647<br>23.02.2025 | Train |
| 10073 | A | Put the direction selector switch in NEUTRAL position |  | OK |  | Sizwe Sibanyoni<br>484647<br>23.02.2025 | Train |
| 10074 | R | TA is not authorized                                  |  | OK |  | Sizwe Sibanyoni<br>484647<br>23.02.2025 | Train |
| 10075 | R | Lamp 31H1 is OFF on the alarm module                  |  | OK |  | Sizwe Sibanyoni<br>484647<br>23.02.2025 | Train |
| 10076 | R | Relay 31K1 and 31K2 are de-energized                  |  | OK |  | Sizwe Sibanyoni<br>484647<br>23.02.2025 | Train |
| 10077 | I | Doors Operation TC2                                   |  | OK |  | Sizwe Sibanyoni<br>484647<br>23.02.2025 | Train |
| 10078 | A | Press the auth button 50S5 to open left doors         |  | OK |  | Sizwe Sibanyoni<br>484647<br>23.02.2025 | Train |
| 10079 | R | Check visually that all left doors are open           |  | OK |  | Sizwe Sibanyoni<br>484647<br>23.02.2025 | Train |
| 10080 | A | Press the auth button 50S6 to open right doors        |  | OK |  | Sizwe Sibanyoni<br>484647<br>23.02.2025 | Train |
| 10081 | R | Check visually that all right doors are open          |  | OK |  | Sizwe Sibanyoni<br>484647<br>23.02.2025 | Train |
| 10082 | A | Press the button 50S3 to close all the left doors     |  | OK |  | Sizwe Sibanyoni<br>484647<br>23.02.2025 | Train |
| 10083 | A | Put the direction selector switch in FORWARD position |  | OK |  | Sizwe Sibanyoni<br>484647<br>23.02.2025 | Train |
| 10084 | R | Check visually that all left doors are closed         |  | OK |  | Sizwe Sibanyoni<br>484647<br>23.02.2025 | Train |
| 10085 | A | Press the button 50S4 to close all right doors        |  | OK |  | Sizwe Sibanyoni<br>484647<br>23.02.2025 | Train |
| 10086 | R | Check visually that all right doors are closed        |  | OK |  | Sizwe Sibanyoni<br>484647<br>23.02.2025 | Train |

|       |   |                                                                                                                  |  |    |  |                                         |       |
|-------|---|------------------------------------------------------------------------------------------------------------------|--|----|--|-----------------------------------------|-------|
| 10087 | I | Emergency Brake TC2                                                                                              |  | OK |  | Sizwe Sibanyoni<br>484647<br>23.02.2025 | Train |
| 10088 | A | Put the direction selector switch in NEUTRAL and again in FORWARD position to reset the emergency brake          |  | OK |  | Sizwe Sibanyoni<br>484647<br>23.02.2025 | Train |
| 10089 | A | Apply emergency brake using the red button 44S1                                                                  |  | OK |  | Sizwe Sibanyoni<br>484647<br>23.02.2025 | Train |
| 10090 | R | Verify the pressure of the brake cylinder on the pneumatic gauge on the driver's desk                            |  | OK |  | Sizwe Sibanyoni<br>484647<br>23.02.2025 | Train |
| 10091 | R | Release the emergency brake button 44S1                                                                          |  | OK |  | Sizwe Sibanyoni<br>484647<br>23.02.2025 | Train |
| 10092 | A | Apply emergency brake using by putting the Master controller is Emergency brake position                         |  | OK |  | Sizwe Sibanyoni<br>484647<br>23.02.2025 | Train |
| 10093 | R | Emergency brake is applied, lamp 44H4 is ON                                                                      |  | OK |  | Sizwe Sibanyoni<br>484647<br>23.02.2025 | Train |
| 10094 | A | Put the Master controller in OFF position                                                                        |  | OK |  | Sizwe Sibanyoni<br>484647<br>23.02.2025 | Train |
| 10095 | R | Emergency brake is applied                                                                                       |  | OK |  | Sizwe Sibanyoni<br>484647<br>23.02.2025 | Train |
| 10096 | A | Put the direction selector switch in NEUTRAL position and again in FORWARD position to reset the emergency brake |  | OK |  | Sizwe Sibanyoni<br>484647<br>23.02.2025 | Train |
| 10097 | I | Emergency Disconnection TC2                                                                                      |  | OK |  | Sizwe Sibanyoni<br>484647<br>23.02.2025 | Train |
| 10098 | A | Push the button 27S5 to disconnect pantographs and open HSCBs                                                    |  | OK |  | Sizwe Sibanyoni<br>484647<br>23.02.2025 | Train |
| 10099 | R | Both pantographs are lower and HSCBs are open                                                                    |  | OK |  | Sizwe Sibanyoni<br>484647<br>23.02.2025 | Train |
| 10100 | A | Release the button 27S5                                                                                          |  | OK |  | Sizwe Sibanyoni<br>484647<br>23.02.2025 | Train |
| 10101 | A | Put the direction selector switch in NEUTRAL position                                                            |  | OK |  | Sizwe Sibanyoni<br>484647<br>23.02.2025 | Train |
| 10102 | A | Switch OFF the train by putting the switch 18S1 in OFF position                                                  |  | OK |  | Sizwe Sibanyoni<br>484647<br>23.02.2025 | Train |
| 10103 | R | Train is OFF                                                                                                     |  | OK |  | Sizwe Sibanyoni<br>484647<br>23.02.2025 | Train |

|       |   |                                  |  |    |  |                                         |       |
|-------|---|----------------------------------|--|----|--|-----------------------------------------|-------|
| 10104 | A | Restart the train in Normal mode |  | OK |  | Sizwe Sibanyoni<br>484647<br>23.02.2025 | Train |
| 10105 | I | End of Test                      |  | OK |  | Sizwe Sibanyoni<br>484647<br>23.02.2025 | Train |



|                                                                               |                                                    |                             |
|-------------------------------------------------------------------------------|----------------------------------------------------|-----------------------------|
| Serial Tests Report<br>TS270 – TFS<br>RTR Train Functional Static Test Report | Document Reference<br>GIB0000007854<br>Version: A0 | Emission date<br>27/02/2025 |
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## Section 22 – ERTMS

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### 22.1 Instructions list

### 22.1.1 062\_ERTMS-ERTMS

I - Information      A - Action      R - Result      NE - Not Executed

| N°    | Type | Instruction                                                                                                                                                                   | File                                                                                | Result status | Result value         | Operator                                | Vehicle |
|-------|------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|---------------|----------------------|-----------------------------------------|---------|
| 10001 | I    | ERTMS SPP=062                                                                                                                                                                 |                                                                                     | OK            |                      | Sizwe Sibanyoni<br>484647<br>23.02.2025 | Train   |
| 10002 | I    | Safety Precautions                                                                                                                                                            |                                                                                     | OK            |                      | Sizwe Sibanyoni<br>484647<br>23.02.2025 | Train   |
| 10003 | R    | The ERTMS Warning Signs are attached in both ends underneath                                                                                                                  |                                                                                     | OK            |                      | Sizwe Sibanyoni<br>484647<br>23.02.2025 | Train   |
| 10004 | I    | No one should go near the Eurobalise Antennas during the test                                                                                                                 |                                                                                     | OK            |                      | Sizwe Sibanyoni<br>484647<br>23.02.2025 | Train   |
| 10005 | I    | EVC Mechanical Check + Software Upload<br><a href="#">[12-36-28-9-33-11-335692_ERTMS%20Unit%20Mechanical%20Check.pdf]</a>                                                     |  | OK            |                      | Sizwe Sibanyoni<br>484647<br>23.02.2025 | Train   |
| 10006 | I    | Upload the ODE software using the following procedure.<br><a href="#">[12-37-51-9-34-27-335693_EVC%20Software%20Upload.pdf]</a>                                               |  | OK            |                      | Sizwe Sibanyoni<br>484647<br>23.02.2025 | Train   |
| 10007 | I    | Upload the COMET software using the following procedure.<br><a href="#">[12-39-18-9-35-2-335694_COMET%20Upload%20SW%202.57%20or%20more.pdf]</a>                               |  | OK            |                      | Sizwe Sibanyoni<br>484647<br>23.02.2025 | Train   |
| 10008 | A    | Record the serial number of the sim card insert the Sim Cards inside the GSM-R module MT1 and MT2:<br><a href="#">[12-41-30-9-35-48-335695_Sim%20Card%20Installation.pdf]</a> |  | OK            |                      | Nokuzola Mdluli<br>491469<br>26.02.2025 | Train   |
| 10009 | R    | Serial number for sim card installed on MT1<br>Result Min : 99999<= x ()                                                                                                      |                                                                                     | OK            | 89260420160520001883 | Nokuzola Mdluli<br>491469<br>26.02.2025 | Train   |
| 10010 | R    | Serial number for sim card installed on MT2<br>Result Min : 99999<= x ()                                                                                                      |                                                                                     | OK            | 89260420160520001884 | Nokuzola Mdluli<br>491469<br>26.02.2025 | Train   |
| 10011 | I    | ERTMS Complete Test                                                                                                                                                           |                                                                                     | OK            |                      | Celiwe Sokhela<br>491462<br>24.02.2025  | Train   |
| 10012 | I    | Perform the complete static test using the following procedure:<br><a href="#">[247185_ERTMS Functional Test_Rev1.pdf]</a>                                                    |  | OK            |                      | Celiwe Sokhela<br>491462<br>24.02.2025  | Train   |

|       |   |                                                                                                                   |  |    |   |                                           |       |
|-------|---|-------------------------------------------------------------------------------------------------------------------|--|----|---|-------------------------------------------|-------|
| 10013 | R | Static Test is complete                                                                                           |  | OK |   | Celiwe<br>Sokhela<br>491462<br>24.02.2025 | Train |
| 10014 | I | ERTMS Functional Test                                                                                             |  | OK |   | Celiwe<br>Sokhela<br>491462<br>24.02.2025 | Train |
| 10015 | I | The functional test should only be performed once ALL the software has been loaded and the Complete Test is done. |  | OK |   | Celiwe<br>Sokhela<br>491462<br>24.02.2025 | Train |
| 10016 | I | ERTMS Bypass                                                                                                      |  | OK |   | Celiwe<br>Sokhela<br>491462<br>24.02.2025 | Train |
| 10017 | A | Activate cab TC1                                                                                                  |  | OK |   | Celiwe<br>Sokhela<br>491462<br>24.02.2025 | Train |
| 10018 | A | Put the ERTMS isolation switch 62S1 in ISOLATION position                                                         |  | OK |   | Celiwe<br>Sokhela<br>491462<br>24.02.2025 | Train |
| 10019 | R | The IOS 524 is generated to inform the driver that the ERTMS has been bypassed in LV1 cubicle on TC1 or TC2       |  | OK |   | Celiwe<br>Sokhela<br>491462<br>24.02.2025 | Train |
| 10020 | R | Read Defined Variable [TT] (MPU1)li_ets_tc1ertmsbypassr1 = 1.0                                                    |  | OK | 1 | Celiwe<br>Sokhela<br>491462<br>24.02.2025 | Train |
| 10021 | R | Read Defined Variable [TT] (MPU1)li_ets_tc1ertmsbypassr2 = 1.0                                                    |  | OK | 1 | Celiwe<br>Sokhela<br>491462<br>24.02.2025 | Train |
| 10022 | R | ERTMS bypass led 62H1 is "ON" on alarm module                                                                     |  | OK |   | Celiwe<br>Sokhela<br>491462<br>24.02.2025 | Train |
| 10023 | R | ERTMS HMI is OFF on TC1                                                                                           |  | OK |   | Celiwe<br>Sokhela<br>491462<br>24.02.2025 | Train |
| 10024 | R | ERTMS EVC unit is OFF                                                                                             |  | OK |   | Celiwe<br>Sokhela<br>491462<br>24.02.2025 | Train |
| 10025 | R | The cold movement detector is ON                                                                                  |  | OK |   | Celiwe<br>Sokhela<br>491462<br>24.02.2025 | Train |
| 10026 | A | Put the direction selector switch in FORWARD position                                                             |  | OK |   | Celiwe<br>Sokhela<br>491462<br>24.02.2025 | Train |

|       |   |                                                                                     |  |    |   |                                        |       |
|-------|---|-------------------------------------------------------------------------------------|--|----|---|----------------------------------------|-------|
| 10027 | A | Put the Master controller in EMERGENCY BRAKE position                               |  | OK |   | Celiwe Sokhela<br>491462<br>24.02.2025 | Train |
| 10028 | R | Read Defined Variable [TT] UBK_EmgcyBrkApId = 1.0                                   |  | OK | 1 | Celiwe Sokhela<br>491462<br>24.02.2025 | Train |
| 10029 | A | Put Master controller in OFF position                                               |  | OK |   | Celiwe Sokhela<br>491462<br>24.02.2025 | Train |
| 10030 | A | Put the direction selector switch in NEUTRAL position and again in FORWARD position |  | OK |   | Celiwe Sokhela<br>491462<br>24.02.2025 | Train |
| 10031 | R | Read Defined Variable [TT] UBK_EmgcyBrkApId = 0.0                                   |  | OK | 0 | Celiwe Sokhela<br>491462<br>24.02.2025 | Train |
| 10032 | A | Put the direction selector switch in NEUTRAL position                               |  | OK |   | Celiwe Sokhela<br>491462<br>24.02.2025 | Train |
| 10033 | A | Put ERTMS isolation switch 62S1 in NORMAL position                                  |  | OK |   | Celiwe Sokhela<br>491462<br>24.02.2025 | Train |
| 10034 | R | Read Defined Variable [TT] (MPU1)li_ets_tc1ertmsbypassr1 = 0.0                      |  | OK | 0 | Celiwe Sokhela<br>491462<br>24.02.2025 | Train |
| 10035 | R | Read Defined Variable [TT] (MPU1)li_ets_tc1ertmsbypassr2 = 0.0                      |  | OK | 0 | Celiwe Sokhela<br>491462<br>24.02.2025 | Train |
| 10036 | R | ERTMS bypass led 62H1 is OFF on alarm module                                        |  | OK |   | Celiwe Sokhela<br>491462<br>24.02.2025 | Train |
| 10037 | R | ERTMS HMI is ON in TC1                                                              |  | OK |   | Celiwe Sokhela<br>491462<br>24.02.2025 | Train |
| 10038 | I | ERTMS Fault Monitoring (SPP M 62/13)                                                |  | OK |   | Celiwe Sokhela<br>491462<br>24.02.2025 | Train |
| 10039 | A | Open circuit breaker S01 on ERTMS -62A1 module                                      |  | OK |   | Celiwe Sokhela<br>491462<br>24.02.2025 | Train |
| 10040 | A | In M2 car, open the circuit breaker 25Q6                                            |  | OK |   | Celiwe Sokhela<br>491462<br>24.02.2025 | Train |



|       |   |                                                                              |  |    |   |                                           |       |
|-------|---|------------------------------------------------------------------------------|--|----|---|-------------------------------------------|-------|
| 10041 | A | Remove -62XP1_X06 connector                                                  |  | OK |   | Celiwe<br>Sokhela<br>491462<br>24.02.2025 | Train |
| 10042 | A | In M2 car, close the circuit breaker 25Q6                                    |  | OK |   | Celiwe<br>Sokhela<br>491462<br>24.02.2025 | Train |
| 10043 | R | Read Defined Variable [TT] (MPU1)li_ets_m2ertmsdc = 0.0                      |  | OK | 0 | Celiwe<br>Sokhela<br>491462<br>24.02.2025 | Train |
| 10044 | R | Read Defined Variable [TT] (MPU1)li_ets_m2ertmscb = 0.0                      |  | OK | 0 | Celiwe<br>Sokhela<br>491462<br>24.02.2025 | Train |
| 10045 | R | Read Defined Variable [TT] (MPU1)li_ets_m2ertmstemp = 0.0                    |  | OK | 0 | Celiwe<br>Sokhela<br>491462<br>24.02.2025 | Train |
| 10046 | R | Read Defined Variable [TT] (MPU1)li_ets_m2ertmsfan = 0.0                     |  | OK | 0 | Celiwe<br>Sokhela<br>491462<br>24.02.2025 | Train |
| 10047 | I | TEMPERATURE + FAN                                                            |  | OK |   | Celiwe<br>Sokhela<br>491462<br>24.02.2025 | Train |
| 10048 | A | In M2 car, open the circuit breaker 25Q6                                     |  | OK |   | Celiwe<br>Sokhela<br>491462<br>24.02.2025 | Train |
| 10049 | A | Apply a shunt between pins 42 and 60, pin 78 and 96 on -62XP1_X06 connector. |  | OK |   | Celiwe<br>Sokhela<br>491462<br>24.02.2025 | Train |
| 10050 | A | In M2 car, close the circuit breaker 25Q6                                    |  | OK |   | Celiwe<br>Sokhela<br>491462<br>24.02.2025 | Train |
| 10051 | R | Read Defined Variable [TT] (MPU1)li_ets_m2ertmstemp = 1.0                    |  | OK | 1 | Celiwe<br>Sokhela<br>491462<br>24.02.2025 | Train |
| 10052 | R | Read Defined Variable [TT] (MPU1)li_ets_m2ertmsfan = 1.0                     |  | OK | 1 | Celiwe<br>Sokhela<br>491462<br>24.02.2025 | Train |
| 10053 | A | In M2 car, open the circuit breaker 25Q6                                     |  | OK |   | Celiwe<br>Sokhela<br>491462<br>24.02.2025 | Train |
| 10054 | A | Remove all jumpers and put back the connector -62XP1_X06                     |  | OK |   | Celiwe<br>Sokhela<br>491462<br>24.02.2025 | Train |

|       |   |                                                            |  |    |   |                                           |       |
|-------|---|------------------------------------------------------------|--|----|---|-------------------------------------------|-------|
| 10055 | A | In M2 car, close the circuit breaker 25Q6                  |  | OK |   | Celiwe<br>Sokhela<br>491462<br>24.02.2025 | Train |
| 10056 | A | Close circuit breaker S01 on ERTMS -62A1 module            |  | OK |   | Celiwe<br>Sokhela<br>491462<br>24.02.2025 | Train |
| 10057 | R | Read Defined Variable [TT] (MPU1)li_ets_m2ertmsdc dc = 1.0 |  | OK | 1 | Celiwe<br>Sokhela<br>491462<br>24.02.2025 | Train |
| 10058 | R | Read Defined Variable [TT] (MPU1)li_ets_m2ertmstemp = 1.0  |  | OK | 1 | Celiwe<br>Sokhela<br>491462<br>24.02.2025 | Train |
| 10059 | I | 110v/24v converters                                        |  | OK |   | Celiwe<br>Sokhela<br>491462<br>24.02.2025 | Train |
| 10060 | A | Open circuit breaker S01 on ERTMS -62A1 module             |  | OK |   | Celiwe<br>Sokhela<br>491462<br>24.02.2025 | Train |
| 10061 | A | In M2 car, open the circuit breaker 25Q6                   |  | OK |   | Celiwe<br>Sokhela<br>491462<br>24.02.2025 | Train |
| 10062 | A | Remove one DC/DC power supply                              |  | OK |   | Celiwe<br>Sokhela<br>491462<br>24.02.2025 | Train |
| 10063 | A | In M2 car, close the circuit breaker 25Q6                  |  | OK |   | Celiwe<br>Sokhela<br>491462<br>24.02.2025 | Train |
| 10064 | A | Close circuit breaker S01 on ERTMS -62A1 module            |  | OK |   | Celiwe<br>Sokhela<br>491462<br>24.02.2025 | Train |
| 10065 | R | Read Defined Variable [TT] (MPU1)li_ets_m2ertmsdc dc = 0.0 |  | OK | 0 | Celiwe<br>Sokhela<br>491462<br>24.02.2025 | Train |
| 10066 | A | Open circuit breaker S01 on ERTMS -62A1 module             |  | OK |   | Celiwe<br>Sokhela<br>491462<br>24.02.2025 | Train |
| 10067 | A | In M2 car, open the circuit breaker 25Q6                   |  | OK |   | Celiwe<br>Sokhela<br>491462<br>24.02.2025 | Train |
| 10068 | A | Put back the DC/DC power supply                            |  | OK |   | Celiwe<br>Sokhela<br>491462<br>24.02.2025 | Train |

|       |   |                                                                              |  |    |   |                                           |       |
|-------|---|------------------------------------------------------------------------------|--|----|---|-------------------------------------------|-------|
| 10069 | I | INTERNAL CIRCUIT BREAKERS                                                    |  | OK |   | Celiwe<br>Sokhela<br>491462<br>24.02.2025 | Train |
| 10070 | A | In M2 car, close the circuit breaker 25Q6                                    |  | OK |   | Celiwe<br>Sokhela<br>491462<br>24.02.2025 | Train |
| 10071 | A | Close circuit breaker S01 on ERTMS -62A1 module                              |  | OK |   | Celiwe<br>Sokhela<br>491462<br>24.02.2025 | Train |
| 10072 | A | Open circuit breaker F01 and close all other circuit breakers from F02 - F20 |  | OK |   | Celiwe<br>Sokhela<br>491462<br>24.02.2025 | Train |
| 10073 | R | Read Defined Variable [TT] (MPU1)li_ets_m2ertmscb = 0.0                      |  | OK | 0 | Celiwe<br>Sokhela<br>491462<br>24.02.2025 | Train |
| 10074 | A | Close circuit breaker F01 on ERTMS -62A1 module                              |  | OK |   | Celiwe<br>Sokhela<br>491462<br>24.02.2025 | Train |
| 10075 | R | Read Defined Variable [TT] (MPU1)li_ets_m2ertmscb = 1.0                      |  | OK | 1 | Celiwe<br>Sokhela<br>491462<br>24.02.2025 | Train |
| 10076 | A | Open circuit breaker S01 on ERTMS -62A1 module                               |  | OK |   | Celiwe<br>Sokhela<br>491462<br>24.02.2025 | Train |
| 10077 | R | ERTMS EVC unit is OFF                                                        |  | OK |   | Celiwe<br>Sokhela<br>491462<br>24.02.2025 | Train |
| 10078 | A | Normalize everything inside LV4 and leave all circuit breakers closed.       |  | OK |   | Celiwe<br>Sokhela<br>491462<br>24.02.2025 | Train |
| 10079 | I | End of Test                                                                  |  | OK |   | Celiwe<br>Sokhela<br>491462<br>24.02.2025 | Train |



|                                                                               |                                                    |                             |
|-------------------------------------------------------------------------------|----------------------------------------------------|-----------------------------|
| Serial Tests Report<br>TS270 – TFS<br>RTR Train Functional Static Test Report | Document Reference<br>GIB0000007854<br>Version: A0 | Emission date<br>27/02/2025 |
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## Section 23 – On-board train data recorder

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### 23.1 Instructions list

### 23.1.1 061\_REC-OTDR

I - Information      A - Action      R - Result      NE - Not Executed

| N°    | Type | Instruction                                                                                        | File                                                                              | Result status | Result value | Operator                                | Vehicle |
|-------|------|----------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|---------------|--------------|-----------------------------------------|---------|
| 10001 | I    | Event Recorder SPP= 061                                                                            |                                                                                   | OK            |              | Tebogo Mtombeni<br>529938<br>23.02.2025 | Train   |
| 10002 | I    | Initial Conditions                                                                                 |                                                                                   | OK            |              | Tebogo Mtombeni<br>529938<br>23.02.2025 | Train   |
| 10003 | I    | Software must be updated in the OTDR with the latest baseline following below procedure            |  | OK            |              | Tebogo Mtombeni<br>529938<br>23.02.2025 | Train   |
| 10004 | I    | Software must be updated in the CPM according to the latest baseline following the below procedure |  | OK            |              | Tebogo Mtombeni<br>529938<br>23.02.2025 | Train   |
| 10005 | I    | Train should be OFF                                                                                |                                                                                   | OK            |              | Tebogo Mtombeni<br>529938<br>23.02.2025 | Train   |
| 10006 | I    | Start of Test                                                                                      |                                                                                   | OK            |              | Tebogo Mtombeni<br>529938<br>23.02.2025 | Train   |
| 10007 | A    | Prepare the train with active cabin on TC1                                                         |                                                                                   | OK            |              | Tebogo Mtombeni<br>529938<br>23.02.2025 | Train   |
| 10008 | R    | Read Defined Variable [TT]<br>PNT_AllPantoRaised = 1.0                                             |                                                                                   | OK            | 1            | Tebogo Mtombeni<br>529938<br>23.02.2025 | Train   |
| 10009 | R    | Read Defined Variable [TT]<br>HSC_HscbClosedNum = 2.0                                              |                                                                                   | OK            | 2            | Tebogo Mtombeni<br>529938<br>23.02.2025 | Train   |
| 10010 | I    | Speedometer Test TC1                                                                               |                                                                                   | OK            |              | Tebogo Mtombeni<br>529938<br>23.02.2025 | Train   |
| 10011 | A    | Remove Active Cabin on TC1 and activate it again                                                   |                                                                                   | OK            |              | Tebogo Mtombeni<br>529938<br>23.02.2025 | Train   |
| 10012 | R    | The speedometer indicator jumps from 0km/h to 200km/h and back within 3s                           |                                                                                   | OK            |              | Tebogo Mtombeni<br>529938<br>23.02.2025 | Train   |
| 10013 | R    | Speedometer lamp is ON                                                                             |                                                                                   | OK            |              | Tebogo Mtombeni<br>529938<br>23.02.2025 | Train   |
| 10014 | A    | Force [TT]<br>(MPU1)lo_rec_tc2speedindtest = 1.0                                                   |                                                                                   | OK            |              | Tebogo Mtombeni<br>529938<br>23.02.2025 | Train   |
| 10015 | R    | The speedometer indicator jumps from 0km/h to 200km/h and back within 3s                           |                                                                                   | OK            |              | Tebogo Mtombeni<br>529938<br>23.02.2025 | Train   |

|       |   |                                                                             |  |    |  |                                         |       |
|-------|---|-----------------------------------------------------------------------------|--|----|--|-----------------------------------------|-------|
| 10016 | A | Release [TT] (MPU1)lo_rec_tc2speedindtest                                   |  | OK |  | Tebogo Mtombeni<br>529938<br>23.02.2025 | Train |
| 10017 | I | OTDR Reset                                                                  |  | OK |  | Tebogo Mtombeni<br>529938<br>23.02.2025 | Train |
| 10018 | I | When OTDR is resetting, the power supply LED will go OFF and ON             |  | OK |  | Tebogo Mtombeni<br>529938<br>23.02.2025 | Train |
| 10019 | A | Force [TT] (MPU1)lo_ets_tc2rstotdrr1 = 1.0                                  |  | OK |  | Tebogo Mtombeni<br>529938<br>23.02.2025 | Train |
| 10020 | A | Force [TT] (MPU1)lo_ets_tc2rstotdrr2 = 1.0                                  |  | OK |  | Tebogo Mtombeni<br>529938<br>23.02.2025 | Train |
| 10021 | R | OTDR is OFF                                                                 |  | OK |  | Tebogo Mtombeni<br>529938<br>23.02.2025 | Train |
| 10022 | I | During OTDR reset, the driver receives a warning about a loss in the OTDR.  |  | OK |  | Tebogo Mtombeni<br>529938<br>23.02.2025 | Train |
| 10023 | A | Release [TT] (MPU1)lo_ets_tc2rstotdrr1                                      |  | OK |  | Tebogo Mtombeni<br>529938<br>23.02.2025 | Train |
| 10024 | A | Release [TT] (MPU1)lo_ets_tc2rstotdrr2                                      |  | OK |  | Tebogo Mtombeni<br>529938<br>23.02.2025 | Train |
| 10025 | I | OTDR is ON and reset                                                        |  | OK |  | Tebogo Mtombeni<br>529938<br>23.02.2025 | Train |
| 10026 | I | Data Recording                                                              |  | OK |  | Tebogo Mtombeni<br>529938<br>23.02.2025 | Train |
| 10027 | I | Please note the time one the DDU screen before performing the actions below |  | OK |  | Sinazo Mkhwa<br>529940<br>24.02.2025    | Train |
| 10028 | A | Put the Traction Interlock Switch 31S1 in OVERRIDE position                 |  | OK |  | Sinazo Mkhwa<br>529940<br>24.02.2025    | Train |
| 10029 | A | Put the Traction Interlock Switch 31S1 in NORMAL position                   |  | OK |  | Sinazo Mkhwa<br>529940<br>24.02.2025    | Train |
| 10030 | A | Pull any PEA on train                                                       |  | OK |  | Sinazo Mkhwa<br>529940<br>24.02.2025    | Train |
| 10031 | A | Acknowledge the PEA using the button 54S3                                   |  | OK |  | Sinazo Mkhwa<br>529940<br>24.02.2025    | Train |
| 10032 | A | Reset PEA using Switch 44S6                                                 |  | OK |  | Sinazo Mkhwa<br>529940<br>24.02.2025    | Train |
| 10033 | A | Put the emergency brake loop override switch 44S2 in BYPASS position        |  | OK |  | Sinazo Mkhwa<br>529940<br>24.02.2025    | Train |

|       |   |                                                                                                       |  |    |  |                                      |       |
|-------|---|-------------------------------------------------------------------------------------------------------|--|----|--|--------------------------------------|-------|
| 10034 | A | Put the emergency brake loop override switch 44S2 in NORMAL position                                  |  | OK |  | Sinazo Mkhwa<br>529940<br>24.02.2025 | Train |
| 10035 | A | Open HSCB using 22S12                                                                                 |  | OK |  | Sinazo Mkhwa<br>529940<br>24.02.2025 | Train |
| 10036 | A | Put the Direction Selector Switch in FORWARD position                                                 |  | OK |  | Sinazo Mkhwa<br>529940<br>24.02.2025 | Train |
| 10037 | A | Put the Direction Selector Switch in NEUTRAL position                                                 |  | OK |  | Sinazo Mkhwa<br>529940<br>24.02.2025 | Train |
| 10038 | A | Put the Direction Selector Switch in REVERSE position                                                 |  | OK |  | Sinazo Mkhwa<br>529940<br>24.02.2025 | Train |
| 10039 | A | Put the Driving Mode Switch to COUPLE/WASH mode                                                       |  | OK |  | Sinazo Mkhwa<br>529940<br>24.02.2025 | Train |
| 10040 | A | Before the next step verify that the HSCB is OPEN on the DDU - There is a risk of train movement      |  | OK |  | Sinazo Mkhwa<br>529940<br>24.02.2025 | Train |
| 10041 | A | Put the Master Controller in TRACTION position                                                        |  | OK |  | Sinazo Mkhwa<br>529940<br>24.02.2025 | Train |
| 10042 | A | Put the Master Controller in BRAKE position                                                           |  | OK |  | Sinazo Mkhwa<br>529940<br>24.02.2025 | Train |
| 10043 | A | Put the Master Controller in OFF position                                                             |  | OK |  | Sinazo Mkhwa<br>529940<br>24.02.2025 | Train |
| 10044 | A | Put the Direction Selector Switch in NEUTRAL position                                                 |  | OK |  | Sinazo Mkhwa<br>529940<br>24.02.2025 | Train |
| 10045 | A | Push the RED Emergency brake button 44S1                                                              |  | OK |  | Sinazo Mkhwa<br>529940<br>24.02.2025 | Train |
| 10046 | A | Release Emergency brake button                                                                        |  | OK |  | Sinazo Mkhwa<br>529940<br>24.02.2025 | Train |
| 10047 | A | Put the Door authorization Selector Switch 50S7 in DRIVER position                                    |  | OK |  | Sinazo Mkhwa<br>529940<br>24.02.2025 | Train |
| 10048 | A | Press the right door authorization button 50S6                                                        |  | OK |  | Sinazo Mkhwa<br>529940<br>24.02.2025 | Train |
| 10049 | A | Press the right door open button 50S2 again and then close the door the right doors using button 50S4 |  | OK |  | Sinazo Mkhwa<br>529940<br>24.02.2025 | Train |
| 10050 | A | Press the left door authorization button 50S5                                                         |  | OK |  | Sinazo Mkhwa<br>529940<br>24.02.2025 | Train |
| 10051 | A | Press the left door open button 50S1 again and then close the door the left                           |  | OK |  | Sinazo Mkhwa<br>529940               | Train |



|       |   |                                                                                                     |                                                                                     |    |  |                                      |       |
|-------|---|-----------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|----|--|--------------------------------------|-------|
|       |   | doors using button 50S3                                                                             |                                                                                     |    |  | 24.02.2025                           |       |
| 10052 | A | Put the Door authorization Selector Switch 50S7 in ERTMS position                                   |                                                                                     | OK |  | Sinazo Mkhwa<br>529940<br>24.02.2025 | Train |
| 10053 | A | Put the ERTMS isolation switch 62S1 in ISOLATION position                                           |                                                                                     | OK |  | Sinazo Mkhwa<br>529940<br>24.02.2025 | Train |
| 10054 | A | Put the ERTMS isolation switch 62S1 in NORMAL position                                              |                                                                                     | OK |  | Sinazo Mkhwa<br>529940<br>24.02.2025 | Train |
| 10055 | A | Note the time on the DDU                                                                            |                                                                                     | OK |  | Sinazo Mkhwa<br>529940<br>24.02.2025 | Train |
| 10056 | A | Put the backup mode switch 27S1 in BACKUP position                                                  |                                                                                     | OK |  | Sinazo Mkhwa<br>529940<br>24.02.2025 | Train |
| 10057 | A | Switch OFF the train on TC1 cab                                                                     |                                                                                     | OK |  | Sinazo Mkhwa<br>529940<br>24.02.2025 | Train |
| 10058 | A | Put the backup Mode switch in NORMAL position                                                       |                                                                                     | OK |  | Sinazo Mkhwa<br>529940<br>24.02.2025 | Train |
| 10059 | A | Switch active cab to TC2                                                                            |                                                                                     | OK |  | Sinazo Mkhwa<br>529940<br>24.02.2025 | Train |
| 10060 | I | Events download                                                                                     |                                                                                     | OK |  | Sinazo Mkhwa<br>529940<br>24.02.2025 | Train |
| 10061 | A | Switch ON the train from TC2 side                                                                   |                                                                                     | OK |  | Sinazo Mkhwa<br>529940<br>24.02.2025 | Train |
| 10062 | A | Note the time on the DDU                                                                            |                                                                                     | OK |  | Sinazo Mkhwa<br>529940<br>24.02.2025 | Train |
| 10063 | I | Use the time noted down before and after recording the data to check the events                     |                                                                                     | OK |  | Sinazo Mkhwa<br>529940<br>24.02.2025 | Train |
| 10064 | A | Connect to the OTDR via TCMS network and download the two latest events files. See the manual below |  | OK |  | Sinazo Mkhwa<br>529940<br>24.02.2025 | Train |
| 10065 | A | Connect to the CPM front face RJ45 port and download the latest events file. See the manual below   |  | OK |  | Sinazo Mkhwa<br>529940<br>24.02.2025 | Train |
| 10066 | I | Data Recorded Reading                                                                               |                                                                                     | OK |  | Sinazo Mkhwa<br>529940<br>24.02.2025 | Train |
| 10067 | A | Use SAM5 build 81 software to read data recorded from the OTDR. For the CPM use SAM5 build 88       |                                                                                     | OK |  | Sinazo Mkhwa<br>529940<br>24.02.2025 | Train |
| 10068 | I | The recorded data must be in the sequence as logged above. NB time for                              |  | OK |  | Sinazo Mkhwa<br>529940               | Train |

|       |   |                                                                                                                                        |  |    |  |                                      |       |
|-------|---|----------------------------------------------------------------------------------------------------------------------------------------|--|----|--|--------------------------------------|-------|
|       |   | activation and deactivation of each input must be within the time at which the test was performed. See example below for recorded data |  |    |  | 24.02.2025                           |       |
| 10069 | R | CAB TC1 ACTIVE: ON                                                                                                                     |  | OK |  | Sinazo Mkhwa<br>529940<br>24.02.2025 | Train |
| 10070 | R | CAB TC2 ACTIVE: OFF                                                                                                                    |  | OK |  | Sinazo Mkhwa<br>529940<br>24.02.2025 | Train |
| 10071 | R | TRACTION INTERLOCK BYPASS: ON                                                                                                          |  | OK |  | Sinazo Mkhwa<br>529940<br>24.02.2025 | Train |
| 10072 | R | TRACTION INTERLOCK BYPASS: OFF                                                                                                         |  | OK |  | Sinazo Mkhwa<br>529940<br>24.02.2025 | Train |
| 10073 | R | BRAKE APPLIED: ON                                                                                                                      |  | OK |  | Sinazo Mkhwa<br>529940<br>24.02.2025 | Train |
| 10074 | R | PEA LOOP(OTDR): OFF                                                                                                                    |  | OK |  | Sinazo Mkhwa<br>529940<br>24.02.2025 | Train |
| 10075 | R | PEA LOOP(OTDR): ON                                                                                                                     |  | OK |  | Sinazo Mkhwa<br>529940<br>24.02.2025 | Train |
| 10076 | R | EMERGENCY BRAKE LOOP OVERRIDE: OFF                                                                                                     |  | OK |  | Sinazo Mkhwa<br>529940<br>24.02.2025 | Train |
| 10077 | R | EMERGENCY BRAKE LOOP OVERRIDE: ON                                                                                                      |  | OK |  | Sinazo Mkhwa<br>529940<br>24.02.2025 | Train |
| 10078 | R | FORWARD: ON                                                                                                                            |  | OK |  | Sinazo Mkhwa<br>529940<br>24.02.2025 | Train |
| 10079 | R | TRACTION: ON                                                                                                                           |  | OK |  | Sinazo Mkhwa<br>529940<br>24.02.2025 | Train |
| 10080 | R | BRAKE APPLIED: OFF                                                                                                                     |  | OK |  | Sinazo Mkhwa<br>529940<br>24.02.2025 | Train |
| 10081 | R | NO BRAKE: ON                                                                                                                           |  | OK |  | Sinazo Mkhwa<br>529940<br>24.02.2025 | Train |
| 10082 | R | NO BRAKE: OFF                                                                                                                          |  | OK |  | Sinazo Mkhwa<br>529940<br>24.02.2025 | Train |
| 10083 | R | FORWARD: OFF                                                                                                                           |  | OK |  | Sinazo Mkhwa<br>529940<br>24.02.2025 | Train |
| 10084 | R | TRACTION: OFF                                                                                                                          |  | OK |  | Sinazo Mkhwa<br>529940<br>24.02.2025 | Train |
| 10085 | R | REVERSE: OFF                                                                                                                           |  | OK |  | Sinazo Mkhwa<br>529940<br>24.02.2025 | Train |

|       |   |                                                                                                                                                                                                                                           |  |    |  |                                         |       |
|-------|---|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|----|--|-----------------------------------------|-------|
| 10086 | R | REVERSE: ON                                                                                                                                                                                                                               |  | OK |  | Sinazo Mkhwa<br>529940<br>24.02.2025    | Train |
| 10087 | R | EMERGENCY BRAKE TRAINLINE: OFF                                                                                                                                                                                                            |  | OK |  | Sinazo Mkhwa<br>529940<br>24.02.2025    | Train |
| 10088 | R | EMERGENCY BRAKE TRAINLINE: ON                                                                                                                                                                                                             |  | OK |  | Sinazo Mkhwa<br>529940<br>24.02.2025    | Train |
| 10089 | R | DOOR AUTH LEFT TRAINLINE: OFF                                                                                                                                                                                                             |  | OK |  | Sinazo Mkhwa<br>529940<br>24.02.2025    | Train |
| 10090 | R | DOOR AUTH LEFT TRAINLINE: ON                                                                                                                                                                                                              |  | OK |  | Sinazo Mkhwa<br>529940<br>24.02.2025    | Train |
| 10091 | R | DOOR AUTH RIGHT TRAINLINE: ON                                                                                                                                                                                                             |  | OK |  | Sinazo Mkhwa<br>529940<br>24.02.2025    | Train |
| 10092 | R | DOOR AUTH RIGHT TRAINLINE: OFF                                                                                                                                                                                                            |  | OK |  | Sinazo Mkhwa<br>529940<br>24.02.2025    | Train |
| 10093 | R | ERTMS BYPASS: OFF                                                                                                                                                                                                                         |  | OK |  | Sinazo Mkhwa<br>529940<br>24.02.2025    | Train |
| 10094 | R | ERTMS BYPASS: ON                                                                                                                                                                                                                          |  | OK |  | Sinazo Mkhwa<br>529940<br>24.02.2025    | Train |
| 10095 | R | BACKUP MODE: OFF                                                                                                                                                                                                                          |  | OK |  | Sinazo Mkhwa<br>529940<br>24.02.2025    | Train |
| 10096 | R | BACKUP MODE: ON                                                                                                                                                                                                                           |  | OK |  | Sinazo Mkhwa<br>529940<br>24.02.2025    | Train |
| 10097 | R | CAB TC1 ACTIVE: OFF                                                                                                                                                                                                                       |  | OK |  | Sinazo Mkhwa<br>529940<br>24.02.2025    | Train |
| 10098 | R | CAB TC2 ACTIVE: ON                                                                                                                                                                                                                        |  | OK |  | Sinazo Mkhwa<br>529940<br>24.02.2025    | Train |
| 10099 | A | Save all the downloaded files from CPM and OTDR and put them in a folder named "TSXXX_OTDR." Then save the folder to "teams" channel (shift reports) under a specific trainset folder TSXX>Results files> Train level.<br>XX=train number |  | OK |  | Sinazo Mkhwa<br>529940<br>24.02.2025    | Train |
| 10100 | I | Speedometer Test TC2                                                                                                                                                                                                                      |  | OK |  | Tebogo Mtombeni<br>529938<br>23.02.2025 | Train |
| 10101 | A | Remove active cab on TC2 and activate it again                                                                                                                                                                                            |  | OK |  | Tebogo Mtombeni<br>529938<br>23.02.2025 | Train |
| 10102 | R | The speedometer indicator jumps from 0km/h to 200km/h and back within 3s                                                                                                                                                                  |  | OK |  | Tebogo Mtombeni<br>529938<br>23.02.2025 | Train |

|       |   |                                                                                 |                                                                                     |    |  |                                         |       |
|-------|---|---------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|----|--|-----------------------------------------|-------|
| 10103 | R | Speedometer lamp is ON                                                          |                                                                                     | OK |  | Tebogo Mtombeni<br>529938<br>23.02.2025 | Train |
| 10104 | A | Force [TT]<br>(MPU1)lo_rec_tc2speedindtest = 1.0                                |                                                                                     | OK |  | Tebogo Mtombeni<br>529938<br>23.02.2025 | Train |
| 10105 | R | The speedometer indicator jumps from<br>0km/h to 200km/h and back within 3s     |                                                                                     | OK |  | Tebogo Mtombeni<br>529938<br>23.02.2025 | Train |
| 10106 | R | Speedometer lamp is ON                                                          |                                                                                     | OK |  | Tebogo Mtombeni<br>529938<br>23.02.2025 | Train |
| 10107 | A | Release [TT]<br>(MPU1)lo_rec_tc2speedindtest                                    |                                                                                     | OK |  | Tebogo Mtombeni<br>529938<br>23.02.2025 | Train |
| 10108 | I | OTDR settings                                                                   |                                                                                     | OK |  | Tebogo Mtombeni<br>529938<br>23.02.2025 | Train |
| 10109 | A | Force [TT]<br>(MPU2)_REC_TravelledDistanceKm =<br>10.0                          |                                                                                     | OK |  | Tebogo Mtombeni<br>529938<br>23.02.2025 | Train |
| 10110 | A | Force [TT]<br>(MPU1)_REC_TravelledDistanceKm =<br>10.0                          |                                                                                     | OK |  | Tebogo Mtombeni<br>529938<br>23.02.2025 | Train |
| 10111 | R | The total distance on the odometer of the<br>DDU screen is 10km                 |                                                                                     | OK |  | Tebogo Mtombeni<br>529938<br>23.02.2025 | Train |
| 10112 | A | Release [TT]<br>(MPU1)_REC_TravelledDistanceKm                                  |                                                                                     | OK |  | Tebogo Mtombeni<br>529938<br>23.02.2025 | Train |
| 10113 | A | Release [TT]<br>(MPU2)_REC_TravelledDistanceKm                                  |                                                                                     | OK |  | Tebogo Mtombeni<br>529938<br>23.02.2025 | Train |
| 10114 | A | Configure the OTDR and Data plug<br>according to the settings in the file below |  | OK |  | Sinazo Mkhwa<br>529940<br>24.02.2025    | Train |
| 10115 | R | Train UIC is set to 0120XXX                                                     |                                                                                     | OK |  | Sinazo Mkhwa<br>529940<br>24.02.2025    | Train |
| 10116 | R | The Wheel diameter is set to 840mm on<br>the DDU Driver screen                  |                                                                                     | OK |  | Sinazo Mkhwa<br>529940<br>24.02.2025    | Train |
| 10117 | I | End of Test                                                                     |                                                                                     | OK |  | Sinazo Mkhwa<br>529940<br>24.02.2025    | Train |



|                                                                               |                                                    |                             |
|-------------------------------------------------------------------------------|----------------------------------------------------|-----------------------------|
| Serial Tests Report<br>TS270 – TFS<br>RTR Train Functional Static Test Report | Document Reference<br>GIB0000007854<br>Version: A0 | Emission date<br>27/02/2025 |
|-------------------------------------------------------------------------------|----------------------------------------------------|-----------------------------|

## Section 24 – External lights and Signaling

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### 24.1 Instructions list

### 24.1.1 072\_SGL-External Visibility

I - Information      A - Action      R - Result      NE - Not Executed

| N°    | Type | Instruction                                                                                   | File                                                                                | Result status | Result value | Operator                                | Vehicle |
|-------|------|-----------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|---------------|--------------|-----------------------------------------|---------|
| 10001 | I    | External Visibility SPP=072                                                                   |                                                                                     | OK            |              | Tebogo Mtombeni<br>529938<br>23.02.2025 | Train   |
| 10002 | I    | Initial Conditions                                                                            |                                                                                     | OK            |              | Tebogo Mtombeni<br>529938<br>23.02.2025 | Train   |
| 10003 | I    | The air in the main should be at least 7.5bar                                                 |                                                                                     | OK            |              | Tebogo Mtombeni<br>529938<br>23.02.2025 | Train   |
| 10004 | I    | Start of Test                                                                                 |                                                                                     | OK            |              | Tebogo Mtombeni<br>529938<br>23.02.2025 | Train   |
| 10005 | I    | Windscreen wiper TC1                                                                          |                                                                                     | OK            |              | Tebogo Mtombeni<br>529938<br>23.02.2025 | Train   |
| 10006 | A    | Active cab on TC1                                                                             |                                                                                     | OK            |              | Tebogo Mtombeni<br>529938<br>23.02.2025 | Train   |
| 10007 | A    | Load the software on the TC1 wiper                                                            |  | OK            |              | Tebogo Mtombeni<br>529938<br>23.02.2025 | Train   |
| 10008 | I    | Washer tank is empty                                                                          |                                                                                     | OK            |              | Tebogo Mtombeni<br>529938<br>23.02.2025 | Train   |
| 10009 | R    | The IOS for low level on water tank appears on the Driver's event list                        |                                                                                     | OK            |              | Tebogo Mtombeni<br>529938<br>23.02.2025 | Train   |
| 10010 | R    | Read Defined Variable [TT]<br>(MPU1)li_sgl_tc1washerlevel = 0.0                               |                                                                                     | OK            | 0            | Tebogo Mtombeni<br>529938<br>23.02.2025 | Train   |
| 10011 | A    | Fill up the washer tank with clean water                                                      |                                                                                     | OK            |              | Tebogo Mtombeni<br>529938<br>23.02.2025 | Train   |
| 10012 | R    | Read Defined Variable [TT]<br>(MPU1)li_sgl_tc1washerlevel = 1.0                               |                                                                                     | OK            | 1            | Tebogo Mtombeni<br>529938<br>23.02.2025 | Train   |
| 10013 | R    | No IOS regarding low water level on Driver's event list                                       |                                                                                     | OK            |              | Tebogo Mtombeni<br>529938<br>23.02.2025 | Train   |
| 10014 | I    | This test is to verify that the Wiper is centred<br><a href="#">[302788_Wiper system.pdf]</a> |  | OK            |              | Tebogo Mtombeni<br>529938<br>23.02.2025 | Train   |
| 10015 | A    | Put the wiper switch on Wash position                                                         |                                                                                     | OK            |              | Tebogo Mtombeni<br>529938<br>23.02.2025 | Train   |
| 10016 | R    | Water is spraying on the windscreen; the wiper is cleaning the windscreen                     |                                                                                     | OK            |              | Tebogo Mtombeni<br>529938<br>23.02.2025 | Train   |

|       |   |                                                                                                                                         |                                                                                   |    |   |                                           |       |
|-------|---|-----------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|----|---|-------------------------------------------|-------|
| 10017 | A | Put the wiper switch to intermittent position                                                                                           |                                                                                   | OK |   | Tebogo Mtombeni<br>529938<br>23.02.2025   | Train |
| 10018 | R | The wiper is operating properly on intermittent position                                                                                |                                                                                   | OK |   | Tebogo Mtombeni<br>529938<br>23.02.2025   | Train |
| 10019 | A | Put the wiper switch to low speed position                                                                                              |                                                                                   | OK |   | Tebogo Mtombeni<br>529938<br>23.02.2025   | Train |
| 10020 | R | The wiper is operating properly on low speed                                                                                            |                                                                                   | OK |   | Tebogo Mtombeni<br>529938<br>23.02.2025   | Train |
| 10021 | A | Put the wiper switch to high speed position                                                                                             |                                                                                   | OK |   | Tebogo Mtombeni<br>529938<br>23.02.2025   | Train |
| 10022 | R | Verify that the wiper does not lie too much on the left or right                                                                        |                                                                                   | OK |   | Tebogo Mtombeni<br>529938<br>23.02.2025   | Train |
| 10023 | A | Verify that the area wiped is at least as shown in the image attached                                                                   |  | OK |   | Tebogo Mtombeni<br>529938<br>23.02.2025   | Train |
| 10024 | A | Put the swiper switch on OFF position                                                                                                   |                                                                                   | OK |   | Tebogo Mtombeni<br>529938<br>23.02.2025   | Train |
| 10025 | R | Wiper stops, no water is spraying on windscreen                                                                                         |                                                                                   | OK |   | Tebogo Mtombeni<br>529938<br>23.02.2025   | Train |
| 10026 | I | Mirrors TC1                                                                                                                             |                                                                                   | OK |   | Tebogo Mtombeni<br>529938<br>23.02.2025   | Train |
| 10027 | A | Login as a Maintainer ID: 70979080                                                                                                      |                                                                                   | OK |   | Tebogo Mtombeni<br>529938<br>23.02.2025   | Train |
| 10028 | I | It is necessary to open and close each mirror several times to ensure that it is working properly                                       |                                                                                   | OK |   | Tebogo Mtombeni<br>529938<br>23.02.2025   | Train |
| 10029 | A | Press the DOOR AUTH left button 50S5                                                                                                    |                                                                                   | OK |   | Tebogo Mtombeni<br>529938<br>23.02.2025   | Train |
| 10030 | A | Turn the switch 70S10 to the left to open the left mirror                                                                               |                                                                                   | OK |   | Tebogo Mtombeni<br>529938<br>23.02.2025   | Train |
| 10031 | R | Read Defined Variable [TT]<br>(MPU1)Li_SGL_Tc1LeftMirror = 1.0                                                                          |                                                                                   | OK | 1 | Tebogo Mtombeni<br>529938<br>23.02.2025   | Train |
| 10032 | R | Read Defined Variable [TT]<br>(MPU1)Li_SGL_Tc1RightMirror = 0.0                                                                         |                                                                                   | OK | 0 | Tebogo Mtombeni<br>529938<br>23.02.2025   | Train |
| 10033 | A | Check visually that the mirror is open wide enough to show the whole platform and image is not blurry when sitting on the driver's seat |                                                                                   | OK |   | Siphesihle Mchunu<br>491465<br>25.02.2025 | Train |



|       |   |                                                                                                                                         |  |    |   |                                          |       |
|-------|---|-----------------------------------------------------------------------------------------------------------------------------------------|--|----|---|------------------------------------------|-------|
| 10034 | R | Verify that there is no leak on the mirror's pneumatic piping                                                                           |  | OK |   | Tebogo Mtombeni<br>529938<br>23.02.2025  | Train |
| 10035 | A | Press 50S3 left door close button                                                                                                       |  | OK |   | Tebogo Mtombeni<br>529938<br>23.02.2025  | Train |
| 10036 | R | The mirror is properly closed                                                                                                           |  | OK |   | Tebogo Mtombeni<br>529938<br>23.02.2025  | Train |
| 10037 | R | Read Defined Variable [TT]<br>(MPU1)Li_SGL_Tc1LeftMirror = 0.0                                                                          |  | OK | 0 | Tebogo Mtombeni<br>529938<br>23.02.2025  | Train |
| 10038 | R | Read Defined Variable [TT]<br>(MPU1)Li_SGL_Tc1RightMirror = 0.0                                                                         |  | OK | 0 | Tebogo Mtombeni<br>529938<br>23.02.2025  | Train |
| 10039 | A | Press the DOOR AUTH right button 50S6                                                                                                   |  | OK |   | Tebogo Mtombeni<br>529938<br>23.02.2025  | Train |
| 10040 | A | Turn the switch 70S10 to the right to open the right mirror                                                                             |  | OK |   | Tebogo Mtombeni<br>529938<br>23.02.2025  | Train |
| 10041 | R | Read Defined Variable [TT]<br>(MPU1)Li_SGL_Tc1LeftMirror = 0.0                                                                          |  | OK | 0 | Tebogo Mtombeni<br>529938<br>23.02.2025  | Train |
| 10042 | R | Read Defined Variable [TT]<br>(MPU1)Li_SGL_Tc1RightMirror = 1.0                                                                         |  | OK | 1 | Tebogo Mtombeni<br>529938<br>23.02.2025  | Train |
| 10043 | A | Check visually that the mirror is open wide enough to show the whole platform and image is not blurry when sitting on the driver's seat |  | OK |   | Siphehile Mchunu<br>491465<br>25.02.2025 | Train |
| 10044 | R | Verify that there is no leak on the mirror's pneumatic piping                                                                           |  | OK |   | Siphehile Mchunu<br>491465<br>25.02.2025 | Train |
| 10045 | A | Press 50S4 right door close button                                                                                                      |  | OK |   | Siphehile Mchunu<br>491465<br>25.02.2025 | Train |
| 10046 | R | The mirror is properly closed                                                                                                           |  | OK |   | Siphehile Mchunu<br>491465<br>25.02.2025 | Train |
| 10047 | R | Read Defined Variable [TT]<br>(MPU1)Li_SGL_Tc1LeftMirror = 0.0                                                                          |  | OK | 0 | Tebogo Mtombeni<br>529938<br>23.02.2025  | Train |
| 10048 | R | Read Defined Variable [TT]<br>(MPU1)Li_SGL_Tc1RightMirror = 0.0                                                                         |  | OK | 0 | Tebogo Mtombeni<br>529938<br>23.02.2025  | Train |
| 10049 | A | Press the DOOR AUTH left button 50S5                                                                                                    |  | OK |   | Tebogo Mtombeni<br>529938<br>23.02.2025  | Train |
| 10050 | A | Force [TT] (MPU1)lo_sgl_tc1leftmirror = 1.0                                                                                             |  | OK |   | Tebogo Mtombeni<br>529938<br>23.02.2025  | Train |
| 10051 | R | Left mirror is open                                                                                                                     |  | OK |   | Tebogo Mtombeni<br>529938<br>23.02.2025  | Train |

|       |   |                                                                                |                                                                                     |    |  |                                         |       |
|-------|---|--------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|----|--|-----------------------------------------|-------|
| 10052 | A | Force [TT] (MPU1)lo_sgl_tc1leftmirror = 0.0                                    |                                                                                     | OK |  | Tebogo Mtombeni<br>529938<br>23.02.2025 | Train |
| 10053 | R | Left mirror closes                                                             |                                                                                     | OK |  | Tebogo Mtombeni<br>529938<br>23.02.2025 | Train |
| 10054 | A | Press the DOOR AUTH right button 50S6                                          |                                                                                     | OK |  | Tebogo Mtombeni<br>529938<br>23.02.2025 | Train |
| 10055 | A | Force [TT] (MPU1)lo_sgl_tc1rightmirror = 1.0                                   |                                                                                     | OK |  | Tebogo Mtombeni<br>529938<br>23.02.2025 | Train |
| 10056 | R | Right mirror opens                                                             |                                                                                     | OK |  | Tebogo Mtombeni<br>529938<br>23.02.2025 | Train |
| 10057 | A | Force [TT] (MPU1)lo_sgl_tc1rightmirror = 0.0                                   |                                                                                     | OK |  | Tebogo Mtombeni<br>529938<br>23.02.2025 | Train |
| 10058 | R | Right mirror closes                                                            |                                                                                     | OK |  | Tebogo Mtombeni<br>529938<br>23.02.2025 | Train |
| 10059 | A | Press the button 50S3 and 50S4 to reset door authorization                     |                                                                                     | OK |  | Tebogo Mtombeni<br>529938<br>23.02.2025 | Train |
| 10060 | A | Release [TT] (MPU1)lo_sgl_tc1leftmirror                                        |                                                                                     | OK |  | Tebogo Mtombeni<br>529938<br>23.02.2025 | Train |
| 10061 | A | Release [TT] (MPU1)lo_sgl_tc1rightmirror                                       |                                                                                     | OK |  | Tebogo Mtombeni<br>529938<br>23.02.2025 | Train |
| 10062 | A | Isolate the valve H1.5/1 and H1.5/2                                            |                                                                                     | OK |  | Tebogo Mtombeni<br>529938<br>23.02.2025 | Train |
| 10063 | R | Check that the left and right mirrors can be folded manually                   |                                                                                     | OK |  | Tebogo Mtombeni<br>529938<br>23.02.2025 | Train |
| 10064 | A | Normalise the valve H1.5/1 and H1.5/2                                          |                                                                                     | OK |  | Tebogo Mtombeni<br>529938<br>23.02.2025 | Train |
| 10065 | A | Login on the DDU screen using the driver's code 70787878                       |                                                                                     | OK |  | Tebogo Mtombeni<br>529938<br>23.02.2025 | Train |
| 10066 | A | Go to Command Screen                                                           |                                                                                     | OK |  | Tebogo Mtombeni<br>529938<br>23.02.2025 | Train |
| 10067 | A | Authorise OPEN DOOR LEFT and RIGHT using the button 50S5 and 50S6 respectively |                                                                                     | OK |  | Tebogo Mtombeni<br>529938<br>23.02.2025 | Train |
| 10068 | A | On the DDU Command screen, open the left mirror using the virtual button       |  | OK |  | Tebogo Mtombeni<br>529938<br>23.02.2025 | Train |
| 10069 | R | Left mirror opens                                                              |                                                                                     | OK |  | Tebogo Mtombeni<br>529938<br>23.02.2025 | Train |

|       |   |                                                                                               |                                                                                     |    |   |                                         |       |
|-------|---|-----------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|----|---|-----------------------------------------|-------|
| 10070 | A | Press virtual button to open right mirror                                                     |    | OK |   | Tebogo Mtombeni<br>529938<br>23.02.2025 | Train |
| 10071 | R | Right mirror opens                                                                            |                                                                                     | OK |   | Tebogo Mtombeni<br>529938<br>23.02.2025 | Train |
| 10072 | A | Press the button 50S3 and 50S4 to reset door authorization                                    |                                                                                     | OK |   | Tebogo Mtombeni<br>529938<br>23.02.2025 | Train |
| 10073 | R | Both mirrors close                                                                            |                                                                                     | OK |   | Tebogo Mtombeni<br>529938<br>23.02.2025 | Train |
| 10074 | A | Remove active cab on TC1                                                                      |                                                                                     | OK |   | Tebogo Mtombeni<br>529938<br>23.02.2025 | Train |
| 10075 | I | External visibility TC2                                                                       |                                                                                     | OK |   | Tebogo Mtombeni<br>529938<br>23.02.2025 | Train |
| 10076 | I | Windscreen wiper TC2                                                                          |                                                                                     | OK |   | Tebogo Mtombeni<br>529938<br>23.02.2025 | Train |
| 10077 | A | Active cab on TC2                                                                             |                                                                                     | OK |   | Tebogo Mtombeni<br>529938<br>23.02.2025 | Train |
| 10078 | I | Load the software on the TC2 wiper                                                            |  | OK |   | Tebogo Mtombeni<br>529938<br>23.02.2025 | Train |
| 10079 | I | Washer tank is empty                                                                          |                                                                                     | OK |   | Tebogo Mtombeni<br>529938<br>23.02.2025 | Train |
| 10080 | R | The IOS for low level on water tank appears on the Driver's event list                        |                                                                                     | OK |   | Tebogo Mtombeni<br>529938<br>23.02.2025 | Train |
| 10081 | R | Read Defined Variable [TT]<br>(MPU1)Li_SGL_Tc2WasherLevel = 0.0                               |                                                                                     | OK | 0 | Tebogo Mtombeni<br>529938<br>23.02.2025 | Train |
| 10082 | A | Fill up the washer tank with clean water                                                      |                                                                                     | OK |   | Tebogo Mtombeni<br>529938<br>23.02.2025 | Train |
| 10083 | R | Read Defined Variable [TT]<br>(MPU1)Li_SGL_Tc2WasherLevel = 1.0                               |                                                                                     | OK | 1 | Tebogo Mtombeni<br>529938<br>23.02.2025 | Train |
| 10084 | R | No IOS regarding low water level on Driver's event list                                       |                                                                                     | OK |   | Tebogo Mtombeni<br>529938<br>23.02.2025 | Train |
| 10085 | I | This test is to verify that the Wiper is centred<br><a href="#">[302789_Wiper system.pdf]</a> |  | OK |   | Tebogo Mtombeni<br>529938<br>23.02.2025 | Train |
| 10086 | A | Put the swiper switch on Wash position                                                        |                                                                                     | OK |   | Tebogo Mtombeni<br>529938<br>23.02.2025 | Train |
| 10087 | R | Water is spraying on the windscreen, the wiper is cleaning the windscreen                     |                                                                                     | OK |   | Tebogo Mtombeni<br>529938<br>23.02.2025 | Train |

|       |   |                                                                                                                                         |                                                                                   |    |   |                                           |       |
|-------|---|-----------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|----|---|-------------------------------------------|-------|
| 10088 | A | Put the wiper switch to intermittent position                                                                                           |                                                                                   | OK |   | Tebogo Mtombeni<br>529938<br>23.02.2025   | Train |
| 10089 | R | The wiper is operating properly on intermittent position                                                                                |                                                                                   | OK |   | Tebogo Mtombeni<br>529938<br>23.02.2025   | Train |
| 10090 | A | Put the wiper switch to low speed position                                                                                              |                                                                                   | OK |   | Tebogo Mtombeni<br>529938<br>23.02.2025   | Train |
| 10091 | R | The wiper is operating properly on low speed                                                                                            |                                                                                   | OK |   | Tebogo Mtombeni<br>529938<br>23.02.2025   | Train |
| 10092 | A | Put the wiper switch to high speed position                                                                                             |                                                                                   | OK |   | Tebogo Mtombeni<br>529938<br>23.02.2025   | Train |
| 10093 | A | Verify that the wiper does not lie too much on the left or right                                                                        |  | OK |   | Tebogo Mtombeni<br>529938<br>23.02.2025   | Train |
| 10094 | R | Verify that the area wiped is at least as shown in the image above                                                                      |                                                                                   | OK |   | Tebogo Mtombeni<br>529938<br>23.02.2025   | Train |
| 10095 | A | Put the wiper switch on OFF position                                                                                                    |                                                                                   | OK |   | Tebogo Mtombeni<br>529938<br>23.02.2025   | Train |
| 10096 | R | Wiper stops, no water is spraying on windscreen                                                                                         |                                                                                   | OK |   | Tebogo Mtombeni<br>529938<br>23.02.2025   | Train |
| 10097 | I | Mirrors TC2                                                                                                                             |                                                                                   | OK |   | Tebogo Mtombeni<br>529938<br>23.02.2025   | Train |
| 10098 | A | Login as a Driver. ID:70787878                                                                                                          |                                                                                   | OK |   | Tebogo Mtombeni<br>529938<br>23.02.2025   | Train |
| 10099 | I | It is necessary to open and close each mirror several times to ensure that it is working properly                                       |                                                                                   | OK |   | Tebogo Mtombeni<br>529938<br>23.02.2025   | Train |
| 10100 | A | Press the DOOR AUTH left button 50S5                                                                                                    |                                                                                   | OK |   | Tebogo Mtombeni<br>529938<br>23.02.2025   | Train |
| 10101 | A | Turn the switch 70S10 to the left to open the left mirror                                                                               |                                                                                   | OK |   | Tebogo Mtombeni<br>529938<br>23.02.2025   | Train |
| 10102 | R | Read Defined Variable [TT]<br>(MPU1)Li_SGL_Tc2LeftMirror = 1.0                                                                          |                                                                                   | OK | 1 | Tebogo Mtombeni<br>529938<br>23.02.2025   | Train |
| 10103 | R | Read Defined Variable [TT]<br>(MPU1)Li_SGL_Tc2RightMirror = 0.0                                                                         |                                                                                   | OK | 0 | Tebogo Mtombeni<br>529938<br>23.02.2025   | Train |
| 10104 | A | Check visually that the mirror is open wide enough to show the whole platform and image is not blurry when sitting on the driver's seat |                                                                                   | OK |   | Siphesihle Mchunu<br>491465<br>25.02.2025 | Train |

|       |   |                                                                                                                                         |  |    |   |                                           |       |
|-------|---|-----------------------------------------------------------------------------------------------------------------------------------------|--|----|---|-------------------------------------------|-------|
| 10105 | R | Verify that there is no leak on the mirror's pneumatic piping                                                                           |  | OK |   | Tebogo Mtombeni<br>529938<br>23.02.2025   | Train |
| 10106 | A | Press 50S3 left door close button                                                                                                       |  | OK |   | Tebogo Mtombeni<br>529938<br>23.02.2025   | Train |
| 10107 | R | The mirror is properly closed                                                                                                           |  | OK |   | Tebogo Mtombeni<br>529938<br>23.02.2025   | Train |
| 10108 | R | Read Defined Variable [TT]<br>(MPU1)Li_SGL_Tc2LeftMirror = 0.0                                                                          |  | OK | 0 | Tebogo Mtombeni<br>529938<br>23.02.2025   | Train |
| 10109 | R | Read Defined Variable [TT]<br>(MPU1)Li_SGL_Tc2RightMirror = 0.0                                                                         |  | OK | 0 | Tebogo Mtombeni<br>529938<br>23.02.2025   | Train |
| 10110 | A | Press the DOOR AUTH right button 50S6                                                                                                   |  | OK |   | Tebogo Mtombeni<br>529938<br>23.02.2025   | Train |
| 10111 | A | Turn the switch 70S10 to the right to open the right mirror                                                                             |  | OK |   | Tebogo Mtombeni<br>529938<br>23.02.2025   | Train |
| 10112 | R | Read Defined Variable [TT]<br>(MPU1)Li_SGL_Tc2LeftMirror = 0.0                                                                          |  | OK | 0 | Tebogo Mtombeni<br>529938<br>23.02.2025   | Train |
| 10113 | R | Read Defined Variable [TT]<br>(MPU1)Li_SGL_Tc2RightMirror = 1.0                                                                         |  | OK | 1 | Tebogo Mtombeni<br>529938<br>23.02.2025   | Train |
| 10114 | A | Check visually that the mirror is open wide enough to show the whole platform and image is not blurry when sitting on the driver's seat |  | OK |   | Siphesihle Mchunu<br>491465<br>25.02.2025 | Train |
| 10115 | R | Verify that there is no leak on the mirror's pneumatic piping                                                                           |  | OK |   | Tebogo Mtombeni<br>529938<br>23.02.2025   | Train |
| 10116 | A | Press 50S4 right door close button                                                                                                      |  | OK |   | Tebogo Mtombeni<br>529938<br>23.02.2025   | Train |
| 10117 | R | The mirror is properly closed                                                                                                           |  | OK |   | Tebogo Mtombeni<br>529938<br>23.02.2025   | Train |
| 10118 | R | Read Defined Variable [TT]<br>(MPU1)Li_SGL_Tc2LeftMirror = 0.0                                                                          |  | OK | 0 | Tebogo Mtombeni<br>529938<br>23.02.2025   | Train |
| 10119 | R | Read Defined Variable [TT]<br>(MPU1)Li_SGL_Tc2RightMirror = 0.0                                                                         |  | OK | 0 | Tebogo Mtombeni<br>529938<br>23.02.2025   | Train |
| 10120 | A | Press the DOOR AUTH left button 50S5                                                                                                    |  | OK |   | Tebogo Mtombeni<br>529938<br>23.02.2025   | Train |
| 10121 | A | Force [TT] (MPU1)lo_sgl_tc2leftmirror = 1.0                                                                                             |  | OK |   | Tebogo Mtombeni<br>529938<br>23.02.2025   | Train |
| 10122 | R | Left mirror is open                                                                                                                     |  | OK |   | Tebogo Mtombeni<br>529938<br>23.02.2025   | Train |

|       |   |                                                                                |                                                                                     |    |  |                                         |       |
|-------|---|--------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|----|--|-----------------------------------------|-------|
| 10123 | A | Force [TT] (MPU1)lo_sgl_tc2leftmirror = 0.0                                    |                                                                                     | OK |  | Tebogo Mtombeni<br>529938<br>23.02.2025 | Train |
| 10124 | R | Left mirror closes                                                             |                                                                                     | OK |  | Tebogo Mtombeni<br>529938<br>23.02.2025 | Train |
| 10125 | A | Press the DOOR AUTH right button 50S6                                          |                                                                                     | OK |  | Tebogo Mtombeni<br>529938<br>23.02.2025 | Train |
| 10126 | A | Force [TT] (MPU1)lo_sgl_tc2rightmirror = 1.0                                   |                                                                                     | OK |  | Tebogo Mtombeni<br>529938<br>23.02.2025 | Train |
| 10127 | R | Right mirror opens                                                             |                                                                                     | OK |  | Tebogo Mtombeni<br>529938<br>23.02.2025 | Train |
| 10128 | A | Force [TT] (MPU1)lo_sgl_tc2rightmirror = 0.0                                   |                                                                                     | OK |  | Tebogo Mtombeni<br>529938<br>23.02.2025 | Train |
| 10129 | R | Right mirror closes                                                            |                                                                                     | OK |  | Tebogo Mtombeni<br>529938<br>23.02.2025 | Train |
| 10130 | A | Release [TT] (MPU1)lo_sgl_tc2leftmirror                                        |                                                                                     | OK |  | Tebogo Mtombeni<br>529938<br>23.02.2025 | Train |
| 10131 | A | Release [TT] (MPU1)lo_sgl_tc2rightmirror                                       |                                                                                     | OK |  | Tebogo Mtombeni<br>529938<br>23.02.2025 | Train |
| 10132 | A | Press the button 50S3 and 50S4 to reset door authorization                     |                                                                                     | OK |  | Tebogo Mtombeni<br>529938<br>23.02.2025 | Train |
| 10133 | A | Isolate the valve H1.5/1 and H1.5/2                                            |                                                                                     | OK |  | Tebogo Mtombeni<br>529938<br>23.02.2025 | Train |
| 10134 | A | Check that the left and right mirrors can be folded manually                   |                                                                                     | OK |  | Tebogo Mtombeni<br>529938<br>23.02.2025 | Train |
| 10135 | A | Normalise the valve H1.5/1 and H1.5/2                                          |                                                                                     | OK |  | Tebogo Mtombeni<br>529938<br>23.02.2025 | Train |
| 10136 | A | Login on the DDU screen using the driver's code 70787878                       |                                                                                     | OK |  | Tebogo Mtombeni<br>529938<br>23.02.2025 | Train |
| 10137 | A | Go to Command Screen                                                           |                                                                                     | OK |  | Tebogo Mtombeni<br>529938<br>23.02.2025 | Train |
| 10138 | A | Authorise OPEN DOOR LEFT and RIGHT using the button 50S5 and 50S6 respectively |                                                                                     | OK |  | Tebogo Mtombeni<br>529938<br>23.02.2025 | Train |
| 10139 | A | On the DDU Command screen, open the left mirror using the virtual button       |  | OK |  | Tebogo Mtombeni<br>529938<br>23.02.2025 | Train |
| 10140 | R | Left mirror opens                                                              |                                                                                     | OK |  | Tebogo Mtombeni<br>529938<br>23.02.2025 | Train |

|       |   |                                                                  |                                                                                   |    |  |                                         |       |
|-------|---|------------------------------------------------------------------|-----------------------------------------------------------------------------------|----|--|-----------------------------------------|-------|
| 10141 | A | Press virtual button to open right mirror                        |  | OK |  | Tebogo Mtombeni<br>529938<br>23.02.2025 | Train |
| 10142 | R | Right mirror opens                                               |                                                                                   | OK |  | Tebogo Mtombeni<br>529938<br>23.02.2025 | Train |
| 10143 | A | Press the button 50S2 and 50S4 to close the left and right doors |                                                                                   | OK |  | Tebogo Mtombeni<br>529938<br>23.02.2025 | Train |
| 10144 | R | Both mirrors close                                               |                                                                                   | OK |  | Tebogo Mtombeni<br>529938<br>23.02.2025 | Train |
| 10145 | I | End of test                                                      |                                                                                   | OK |  | Tebogo Mtombeni<br>529938<br>23.02.2025 | Train |



Serial Tests Report  
TS270 – TFS  
RTR Train Functional Static Test Report

Document Reference  
GIB0000007854  
Version: A0

Emission date  
27/02/2025



## Section 25 – Train Ground Communication

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### 25.1 Instructions list

### 25.1.1 063\_UHF\_065\_GSM-UHF and GSM Radio

I - Information      A - Action      R - Result      NE - Not Executed

| N°    | Type | Instruction                                                                                                                  | File | Result status | Result value         | Operator                                 | Vehicle |
|-------|------|------------------------------------------------------------------------------------------------------------------------------|------|---------------|----------------------|------------------------------------------|---------|
| 10001 | I    | GSMR Radio SPP=065                                                                                                           |      | OK            |                      | Mphato Mphahlele<br>480716<br>23.02.2025 | Train   |
| 10002 | I    | GSMR - Functional Test TC1                                                                                                   |      | OK            |                      | Mphato Mphahlele<br>480716<br>23.02.2025 | Train   |
| 10003 | R    | Record the serial number of the sim card and install the sim card on GSMR radio<br>Result Min : 99999<= x ()                 |      | OK            | 89260420160520000992 | Mphato Mphahlele<br>480716<br>23.02.2025 | Train   |
| 10004 | A    | Insert the SIM card into the GSMR Radio                                                                                      |      | OK            |                      | Mphato Mphahlele<br>480716<br>23.02.2025 | Train   |
| 10005 | R    | Ensure the GSM Sim card has been inserted into the GSMR Radio, and there is no red flashing light close to the sim card slot |      | OK            |                      | Mphato Mphahlele<br>480716<br>23.02.2025 | Train   |
| 10006 | A    | On the GSMR HMI, verify radio is not faulty                                                                                  |      | OK            |                      | Celiwe Sokhela<br>491462<br>25.02.2025   | Train   |
| 10007 | A    | Active cab in TC1                                                                                                            |      | OK            |                      | Celiwe Sokhela<br>491462<br>25.02.2025   | Train   |
| 10008 | I    | DDU-HMI Connection                                                                                                           |      | OK            |                      | Celiwe Sokhela<br>491462<br>25.02.2025   | Train   |
| 10009 | A    | Check if TCMS DDU and GSMR-HMI times are automatically synchronised - do not manually set the time                           |      | OK            |                      | Celiwe Sokhela<br>491462<br>25.02.2025   | Train   |
| 10010 | R    | The time is the same (allowable difference of <10s)                                                                          |      | OK            |                      | Celiwe Sokhela<br>491462<br>25.02.2025   | Train   |
| 10011 | I    | PACIS-HMI Connection                                                                                                         |      | OK            |                      | Celiwe Sokhela<br>491462<br>25.02.2025   | Train   |
| 10012 | A    | Lift the GSMR handset                                                                                                        |      | OK            |                      | Celiwe Sokhela<br>491462<br>25.02.2025   | Train   |
| 10013 | A    | Press the PA button on the GSMR HMI                                                                                          |      | OK            |                      | Celiwe Sokhela<br>491462<br>25.02.2025   | Train   |
| 10014 | R    | On the GSMR module PAI card, the Red and Ack LEDs light green                                                                |      | OK            |                      | Celiwe Sokhela<br>491462<br>25.02.2025   | Train   |

|       |   |                                                                                                                                                |                                                                                   |    |                      |                                          |       |
|-------|---|------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|----|----------------------|------------------------------------------|-------|
| 10015 | R | The PA indication alarm sounds in all cars                                                                                                     |                                                                                   | OK |                      | Celiwe Sokhela<br>491462<br>25.02.2025   | Train |
| 10016 | A | Press the PTT on the handset and speak into the handset microphone                                                                             |                                                                                   | OK |                      | Celiwe Sokhela<br>491462<br>25.02.2025   | Train |
| 10017 | R | Text displayed on the HMI: "Talk!"                                                                                                             |                                                                                   | OK |                      | Celiwe Sokhela<br>491462<br>25.02.2025   | Train |
| 10018 | R | Your voice can be heard clearly in all the cars                                                                                                |                                                                                   | OK |                      | Celiwe Sokhela<br>491462<br>25.02.2025   | Train |
| 10019 | I | UHF Radio Test TC1                                                                                                                             |                                                                                   | OK |                      | Mphato Mphahlele<br>480716<br>23.02.2025 | Train |
| 10020 | A | Enter each mission number below on the attached picture and press select on the UHF handheld                                                   |  | OK |                      | Mphato Mphahlele<br>480716<br>23.02.2025 | Train |
| 10021 | R | The Radio displays the selected number eg "D 9104" and the network bars are visible                                                            |                                                                                   | OK |                      | Mphato Mphahlele<br>480716<br>23.02.2025 | Train |
| 10022 | A | To test the next number, press and hold the off button to switch off the handheld and switch on the handheld again, then enter the new number. |                                                                                   | OK |                      | Mphato Mphahlele<br>480716<br>23.02.2025 | Train |
| 10023 | R | All mission numbers on the above picture are tested ok                                                                                         |                                                                                   | OK |                      | Mphato Mphahlele<br>480716<br>23.02.2025 | Train |
| 10024 | I | GSMR - Functional Test TC2                                                                                                                     |                                                                                   | OK |                      | Mphato Mphahlele<br>480716<br>23.02.2025 | Train |
| 10025 | A | Active Cab in TC2                                                                                                                              |                                                                                   | OK |                      | Mphato Mphahlele<br>480716<br>23.02.2025 | Train |
| 10026 | R | Record the serial number of the sim card and install the sim card on GSMR radio<br>Result Min : 99999<= x ()                                   |                                                                                   | OK | 89260420160520000993 | Mphato Mphahlele<br>480716<br>23.02.2025 | Train |
| 10027 | A | Insert the SIM card into the GSMR Radio                                                                                                        |                                                                                   | OK |                      | Mphato Mphahlele<br>480716<br>23.02.2025 | Train |
| 10028 | R | Ensure the GSM Sim card has been inserted into the GSMR Radio, and there is no red flashing light close to the sim card slot                   |                                                                                   | OK |                      | Mphato Mphahlele<br>480716<br>23.02.2025 | Train |
| 10029 | A | On the GSMR HMI, verify radio is not faulty                                                                                                    |                                                                                   | OK |                      | Mphato Mphahlele<br>480716<br>23.02.2025 | Train |
| 10030 | I | DDU-HMI Connection                                                                                                                             |                                                                                   | OK |                      | Mphato Mphahlele<br>480716<br>23.02.2025 | Train |

|       |   |                                                                                                                                                |                                                                                     |    |  |                                          |       |
|-------|---|------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|----|--|------------------------------------------|-------|
| 10031 | A | Check if TCMS DDU and GSMR-HMI times are automatically synchronised - do not manually set the time                                             |                                                                                     | OK |  | Mphato Mphahlele<br>480716<br>23.02.2025 | Train |
| 10032 | R | The time is the same (allowable difference of <10s)                                                                                            |                                                                                     | OK |  | Mphato Mphahlele<br>480716<br>23.02.2025 | Train |
| 10033 | I | PACIS-HMI Connection                                                                                                                           |                                                                                     | OK |  | Celiwe Sokhela<br>491462<br>25.02.2025   | Train |
| 10034 | A | Lift the GSMR handset                                                                                                                          |                                                                                     | OK |  | Celiwe Sokhela<br>491462<br>25.02.2025   | Train |
| 10035 | A | Press the PA button on the GSMR HMI                                                                                                            |                                                                                     | OK |  | Celiwe Sokhela<br>491462<br>25.02.2025   | Train |
| 10036 | R | On the GSMR module PAI card, the Red and Ack LEDs light green                                                                                  |                                                                                     | OK |  | Celiwe Sokhela<br>491462<br>25.02.2025   | Train |
| 10037 | R | The PA indication alarm sounds in all cars                                                                                                     |                                                                                     | OK |  | Celiwe Sokhela<br>491462<br>25.02.2025   | Train |
| 10038 | A | Press the PTT on the handset and speak into the handset microphone                                                                             |                                                                                     | OK |  | Celiwe Sokhela<br>491462<br>25.02.2025   | Train |
| 10039 | R | Text displayed on the HMI: "Talk!"                                                                                                             |                                                                                     | OK |  | Celiwe Sokhela<br>491462<br>25.02.2025   | Train |
| 10040 | R | Your voice can be heard clearly in all the cars                                                                                                |                                                                                     | OK |  | Celiwe Sokhela<br>491462<br>25.02.2025   | Train |
| 10041 | I | UHF Radio Test TC2                                                                                                                             |                                                                                     | OK |  | Mphato Mphahlele<br>480716<br>23.02.2025 | Train |
| 10042 | A | Enter each mission number below on the attached picture and press select on the UHF handheld                                                   |  | OK |  | Mphato Mphahlele<br>480716<br>23.02.2025 | Train |
| 10043 | R | The Radio displays the selected number eg "D 9104" and the network bars are visible                                                            |                                                                                     | OK |  | Mphato Mphahlele<br>480716<br>23.02.2025 | Train |
| 10044 | A | To test the next number, press and hold the off button to switch off the handheld and switch on the handheld again, then enter the new number. |                                                                                     | OK |  | Mphato Mphahlele<br>480716<br>23.02.2025 | Train |
| 10045 | R | All mission numbers on the above picture are tested ok                                                                                         |                                                                                     | OK |  | Mphato Mphahlele<br>480716<br>23.02.2025 | Train |

### 25.1.2 064\_NBX-Netbox

I - Information      A - Action      R - Result      NE - Not Executed

| N°    | Type | Instruction                                                                                                                                                                                                                                                                  | File                                                                                | Result status | Result value | Operator                                 | Vehicle |
|-------|------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|---------------|--------------|------------------------------------------|---------|
| 10001 | I    | 064 Netbox                                                                                                                                                                                                                                                                   |                                                                                     | OK            |              | Mphato Mphahlele<br>480716<br>23.02.2025 | Train   |
| 10002 | I    | Software upload                                                                                                                                                                                                                                                              |                                                                                     | OK            |              | Mphato Mphahlele<br>480716<br>23.02.2025 | Train   |
| 10003 | I    | Use the below procedure to install the software on the Netbox(M1)                                                                                                                                                                                                            |                                                                                     | OK            |              | Mphato Mphahlele<br>480716<br>23.02.2025 | Train   |
| 10004 | A    | -Open the NBX (64Q1) circuit breaker<br>-Insert the programmed USB into the slot<br>-Close the NBX (64Q1) circuit breaker<br>-Device is on and software upload begins<br><br>Upload is complete when all LEDs on rows A and C are steady, on and green as the image attached |    | OK            |              | Mphato Mphahlele<br>480716<br>23.02.2025 | Train   |
| 10005 | I    | Netbox configuration check                                                                                                                                                                                                                                                   |                                                                                     | OK            |              | Mphato Mphahlele<br>480716<br>23.02.2025 | Train   |
| 10006 | A    | Perform the attached procedure to configure the Netbox (M1)                                                                                                                                                                                                                  |  | OK            |              | Mphato Mphahlele<br>480716<br>23.02.2025 | Train   |
| 10007 | R    | The Netbox is configured correctly                                                                                                                                                                                                                                           |                                                                                     | OK            |              | Mphato Mphahlele<br>480716<br>23.02.2025 | Train   |
| 10008 | R    | The time and date on the DDU is correct - if not restart the train and verify again                                                                                                                                                                                          |                                                                                     | OK            |              | Mphato Mphahlele<br>480716<br>23.02.2025 | Train   |

## Section 26 – Traction Converter

---

### 26.1 Instructions list

### 26.1.1 033\_TRC-Traction Converter

I - Information      A - Action      R - Result      NE - Not Executed

| N°    | Type | Instruction                                                                                       | File                                                                                | Result status | Result value | Operator                                 | Vehicle |
|-------|------|---------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|---------------|--------------|------------------------------------------|---------|
| 10001 | I    | Traction and Electric braking SPP=033                                                             |                                                                                     | OK            |              | Siphehile Mchunu<br>491465<br>23.02.2025 | Train   |
| 10002 | I    | Initial Conditions                                                                                |                                                                                     | OK            |              | Siphehile Mchunu<br>491465<br>23.02.2025 | Train   |
| 10003 | I    | Train is prepared with High voltage                                                               |                                                                                     | OK            |              | Siphehile Mchunu<br>491465<br>23.02.2025 | Train   |
| 10004 | I    | Master controller is in OFF position                                                              |                                                                                     | OK            |              | Siphehile Mchunu<br>491465<br>23.02.2025 | Train   |
| 10005 | I    | All traction units are in black colour on the DDU maintenance screen                              |                                                                                     | OK            |              | Siphehile Mchunu<br>491465<br>23.02.2025 | Train   |
| 10006 | I    | Start of Test                                                                                     |                                                                                     | OK            |              | Siphehile Mchunu<br>491465<br>23.02.2025 | Train   |
| 10007 | A    | Put the driving selector switch in FORWARD position                                               |                                                                                     | OK            |              | Siphehile Mchunu<br>491465<br>23.02.2025 | Train   |
| 10008 | R    | Check on the DDU that all traction units are in FWD position                                      |  | OK            |              | Siphehile Mchunu<br>491465<br>23.02.2025 | Train   |
| 10009 | A    | Put the driving selector switch in REVERSE position                                               |                                                                                     | OK            |              | Siphehile Mchunu<br>491465<br>23.02.2025 | Train   |
| 10010 | R    | Check on the DDU that all traction units are in REV position                                      |  | OK            |              | Siphehile Mchunu<br>491465<br>23.02.2025 | Train   |
| 10011 | A    | Put the driving selector switch in NEUTRAL position                                               |                                                                                     | OK            |              | Siphehile Mchunu<br>491465<br>23.02.2025 | Train   |
| 10012 | I    | Traction Fault and reset                                                                          |                                                                                     | OK            |              | Siphehile Mchunu<br>491465<br>23.02.2025 | Train   |
| 10013 | A    | Open HSCB using button 22S12                                                                      |                                                                                     | OK            |              | Siphehile Mchunu<br>491465<br>23.02.2025 | Train   |
| 10014 | A    | Open the circuit breaker 33Q3 in M4 car                                                           |                                                                                     | OK            |              | Siphehile Mchunu<br>491465<br>23.02.2025 | Train   |
| 10015 | R    | Traction unit of M4 appear in fault on the DDU and an IOS is generated about loss of traction 25% |  | OK            |              | Siphehile Mchunu<br>491465<br>23.02.2025 | Train   |

|       |   |                                                                                                         |                                                                                     |    |  |                                           |       |
|-------|---|---------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|----|--|-------------------------------------------|-------|
| 10016 | A | Close the circuit breaker 33Q3                                                                          |                                                                                     | OK |  | Siphesihle Mchunu<br>491465<br>23.02.2025 | Train |
| 10017 | A | Press the DDU virtual button RESET<br>TRACTION FAULTS                                                   |                                                                                     | OK |  | Siphesihle Mchunu<br>491465<br>23.02.2025 | Train |
| 10018 | R | Traction unit for M4 is back in service, the<br>IOS generated above has disappeared                     |                                                                                     | OK |  | Siphesihle Mchunu<br>491465<br>23.02.2025 | Train |
| 10019 | A | Open the circuit breaker 33Q3 in M1 car                                                                 |                                                                                     | OK |  | Siphesihle Mchunu<br>491465<br>23.02.2025 | Train |
| 10020 | R | Traction unit of M1 appear in fault on the<br>DDU and an IOS is generated about loss<br>of traction 25% |    | OK |  | Siphesihle Mchunu<br>491465<br>23.02.2025 | Train |
| 10021 | A | Close circuit breaker 33Q3 in M1 car                                                                    |                                                                                     | OK |  | Siphesihle Mchunu<br>491465<br>23.02.2025 | Train |
| 10022 | A | Press the DDU virtual button RESET<br>TRACTION FAULTS                                                   |                                                                                     | OK |  | Siphesihle Mchunu<br>491465<br>23.02.2025 | Train |
| 10023 | R | Traction unit for M1 is back in service, the<br>IOS generated above has disappeared                     |                                                                                     | OK |  | Siphesihle Mchunu<br>491465<br>23.02.2025 | Train |
| 10024 | A | Open the circuit breaker 33Q3 in M2 car                                                                 |                                                                                     | OK |  | Siphesihle Mchunu<br>491465<br>23.02.2025 | Train |
| 10025 | R | Traction unit of M2 appear in fault on the<br>DDU and an IOS is generated about loss<br>of traction 25% |  | OK |  | Siphesihle Mchunu<br>491465<br>23.02.2025 | Train |
| 10026 | A | Close the circuit breaker 33Q3 in M2 car                                                                |                                                                                     | OK |  | Siphesihle Mchunu<br>491465<br>23.02.2025 | Train |
| 10027 | A | Press the DDU virtual button RESET<br>TRACTION FAULTS                                                   |                                                                                     | OK |  | Siphesihle Mchunu<br>491465<br>23.02.2025 | Train |
| 10028 | R | Traction unit for M2 is back in service, the<br>IOS generated above has disappeared                     |                                                                                     | OK |  | Siphesihle Mchunu<br>491465<br>23.02.2025 | Train |
| 10029 | A | Open the circuit breaker 33Q3 in M3 car                                                                 |                                                                                     | OK |  | Siphesihle Mchunu<br>491465<br>23.02.2025 | Train |
| 10030 | R | Traction unit of M3 appear in fault on the<br>DDU and an IOS is generated about loss<br>of traction 25% |  | OK |  | Siphesihle Mchunu<br>491465<br>23.02.2025 | Train |
| 10031 | A | Close the circuit breaker 33Q3 in M3 car                                                                |                                                                                     | OK |  | Siphesihle Mchunu<br>491465<br>23.02.2025 | Train |
| 10032 | A | Press the DDU virtual button RESET<br>TRACTION FAULTS                                                   |                                                                                     | OK |  | Siphesihle Mchunu<br>491465<br>23.02.2025 | Train |



|       |   |                                                                                  |  |    |  |                                           |       |
|-------|---|----------------------------------------------------------------------------------|--|----|--|-------------------------------------------|-------|
| 10033 | R | Traction unit for M3 is back in service, the IOS generated above has disappeared |  | OK |  | Siphesihle Mchunu<br>491465<br>23.02.2025 | Train |
| 10034 | A | Close HSCBs using button 22S11                                                   |  | OK |  | Siphesihle Mchunu<br>491465<br>23.02.2025 | Train |
| 10035 | I | End of Test                                                                      |  | OK |  | Siphesihle Mchunu<br>491465<br>23.02.2025 | Train |

## Section 27 – CCTV Video Information

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### 27.1 Instructions list

### 27.1.1 055\_CCTV-Video Information

I - Information      A - Action      R - Result      NE - Not Executed

| N°    | Type | Instruction                                                       | File                                                                                | Result status | Result value | Operator                                | Vehicle |
|-------|------|-------------------------------------------------------------------|-------------------------------------------------------------------------------------|---------------|--------------|-----------------------------------------|---------|
| 10001 | I    | CCTV SPP=066                                                      |                                                                                     | OK            |              | Philemon Milani<br>484650<br>23.02.2025 | Train   |
| 10002 | I    | Front camera footage TC1                                          |                                                                                     | OK            |              | Philemon Milani<br>484650<br>23.02.2025 | Train   |
| 10003 | A    | Active Cab on TC1 and Login as Driver:<br>70787878                |                                                                                     | OK            |              | Philemon Milani<br>484650<br>23.02.2025 | Train   |
| 10004 | A    | Press and hold the FRONT EVENT<br>BUTTON 66S1 on TC1              |                                                                                     | OK            |              | Philemon Milani<br>484650<br>23.02.2025 | Train   |
| 10005 | R    | Read Defined Variable [TT]<br>(MPU1)Li_CTV_Tc1CctvEventPbR1 = 1.0 |                                                                                     | OK            | 1            | Philemon Milani<br>484650<br>23.02.2025 | Train   |
| 10006 | R    | Read Defined Variable [TT]<br>(MPU1)Li_CTV_Tc1CctvEventPbR2 = 1.0 |                                                                                     | OK            | 1            | Philemon Milani<br>484650<br>23.02.2025 | Train   |
| 10007 | R    | The FRONT EVENT button lamp 66S1 is<br>ON                         |                                                                                     | OK            |              | Philemon Milani<br>484650<br>23.02.2025 | Train   |
| 10008 | A    | Release the button 66S1                                           |                                                                                     | OK            |              | Philemon Milani<br>484650<br>23.02.2025 | Train   |
| 10009 | R    | Read Defined Variable [TT]<br>(MPU1)Li_CTV_Tc1CctvEventPbR1 = 0.0 |                                                                                     | OK            | 0            | Philemon Milani<br>484650<br>23.02.2025 | Train   |
| 10010 | R    | Read Defined Variable [TT]<br>(MPU1)Li_CTV_Tc1CctvEventPbR2 = 0.0 |                                                                                     | OK            | 0            | Philemon Milani<br>484650<br>23.02.2025 | Train   |
| 10011 | R    | The FRONT EVENT button lamp 66S1 is<br>OFF                        |                                                                                     | OK            |              | Philemon Milani<br>484650<br>23.02.2025 | Train   |
| 10012 | A    | On the DDU screen, check if the Camera is<br>correctly adjusted   |                                                                                     | OK            |              | Philemon Milani<br>484650<br>23.02.2025 | Train   |
| 10013 | A    | The picture on the DDU should be as the<br>picture attached.      |  | OK            |              | Philemon Milani<br>484650<br>23.02.2025 | Train   |
| 10014 | I    | Reverse direction front camera functional<br>test TC1             |                                                                                     | OK            |              | Philemon Milani<br>484650<br>23.02.2025 | Train   |
| 10015 | A    | Put the direction selector switch in<br>REVERSE position          |                                                                                     | OK            |              | Philemon Milani<br>484650<br>23.02.2025 | Train   |

|       |   |                                                                   |                                                                                     |    |   |                                         |       |
|-------|---|-------------------------------------------------------------------|-------------------------------------------------------------------------------------|----|---|-----------------------------------------|-------|
| 10016 | R | CCTV footage of TC2 front camera appears on the DDU               |                                                                                     | OK |   | Philemon Milani<br>484650<br>23.02.2025 | Train |
| 10017 | A | Put the direction selector switch in NEUTRAL position             |                                                                                     | OK |   | Philemon Milani<br>484650<br>23.02.2025 | Train |
| 10018 | R | CCTV footage of TC2 front camera does not appear on the DDU       |                                                                                     | OK |   | Philemon Milani<br>484650<br>23.02.2025 | Train |
| 10019 | A | Remove active cab on TC1                                          |                                                                                     | OK |   | Philemon Milani<br>484650<br>23.02.2025 | Train |
| 10020 | I | Front camera footage TC2                                          |                                                                                     | OK |   | Philemon Milani<br>484650<br>23.02.2025 | Train |
| 10021 | A | Active cab on TC2 and Login as Driver: 70787878                   |                                                                                     | OK |   | Philemon Milani<br>484650<br>23.02.2025 | Train |
| 10022 | A | Press and hold the FRONT EVENT BUTTON 66S1 on TC2                 |                                                                                     | OK |   | Philemon Milani<br>484650<br>23.02.2025 | Train |
| 10023 | R | Read Defined Variable [TT]<br>(MPU1)Li_CTV_Tc2CctvEventPbR1 = 1.0 |                                                                                     | OK | 1 | Philemon Milani<br>484650<br>23.02.2025 | Train |
| 10024 | R | Read Defined Variable [TT]<br>(MPU1)Li_CTV_Tc2CctvEventPbR2 = 1.0 |                                                                                     | OK | 1 | Philemon Milani<br>484650<br>23.02.2025 | Train |
| 10025 | R | The FRONT EVENT button lamp 66S1 is ON                            |                                                                                     | OK |   | Philemon Milani<br>484650<br>23.02.2025 | Train |
| 10026 | A | Release the button 66S1                                           |                                                                                     | OK |   | Philemon Milani<br>484650<br>23.02.2025 | Train |
| 10027 | R | Read Defined Variable [TT]<br>(MPU1)Li_CTV_Tc1CctvEventPbR1 = 0.0 |                                                                                     | OK | 0 | Philemon Milani<br>484650<br>23.02.2025 | Train |
| 10028 | R | Read Defined Variable [TT]<br>(MPU1)Li_CTV_Tc1CctvEventPbR2 = 0.0 |                                                                                     | OK | 0 | Philemon Milani<br>484650<br>23.02.2025 | Train |
| 10029 | R | The FRONT EVENT button lamp 66S1 is OFF                           |                                                                                     | OK |   | Philemon Milani<br>484650<br>23.02.2025 | Train |
| 10030 | A | On the DDU screen, check if the Camera is correctly adjusted      |                                                                                     | OK |   | Philemon Milani<br>484650<br>23.02.2025 | Train |
| 10031 | A | The picture on the DDU should be as the picture attached.         |  | OK |   | Philemon Milani<br>484650<br>23.02.2025 | Train |
| 10032 | I | Reverse direction front camera functional test TC2                |                                                                                     | OK |   | Philemon Milani<br>484650<br>23.02.2025 | Train |
| 10033 | A | Put the direction selector switch in REVERSE position             |                                                                                     | OK |   | Philemon Milani<br>484650<br>23.02.2025 | Train |

|       |   |                                                                                                                                                                                                                                                  |                                                                                     |    |  |                                          |       |
|-------|---|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|----|--|------------------------------------------|-------|
| 10034 | R | CCTV footage of TC1 front camera appears on the DDU                                                                                                                                                                                              |                                                                                     | OK |  | Philemon Milani<br>484650<br>23.02.2025  | Train |
| 10035 | A | Put the direction selector switch in NEUTRAL position                                                                                                                                                                                            |                                                                                     | OK |  | Philemon Milani<br>484650<br>23.02.2025  | Train |
| 10036 | R | CCTV footage of TC1 front camera does not appear on the DDU                                                                                                                                                                                      |                                                                                     | OK |  | Philemon Milani<br>484650<br>23.02.2025  | Train |
| 10037 | I | NVR Recording                                                                                                                                                                                                                                    |                                                                                     | OK |  | Philemon Milani<br>484650<br>23.02.2025  | Train |
| 10038 | A | Ensure that the NVR in both TC1 and TC2 is locked according to the image below (the black box representing the direction of the key). A locked NVR has an OFF HD LED - After locking the NVR it will take some time for the HD LED to switch OFF |    | OK |  | Siphehile Mchunu<br>491465<br>25.02.2025 | Train |
| 10039 | R | The TC1 NVR is locked, and the HD LED is OFF                                                                                                                                                                                                     |                                                                                     | OK |  | Siphehile Mchunu<br>491465<br>25.02.2025 | Train |
| 10040 | R | The TC2 NVR is locked, and the HD LED is OFF                                                                                                                                                                                                     |                                                                                     | OK |  | Siphehile Mchunu<br>491465<br>25.02.2025 | Train |
| 10041 | A | Using the procedure attached, confirm that both NVRs are recording video data                                                                                                                                                                    |  | OK |  | Siphehile Mchunu<br>491465<br>25.02.2025 | Train |
| 10042 | A | Take a screenshot of the CCTV console live stream to indicate the recorder is working for NVR1                                                                                                                                                   |                                                                                     | OK |  | Siphehile Mchunu<br>491465<br>25.02.2025 | Train |
| 10043 | R | save the screenshot as TSXX_NVR1                                                                                                                                                                                                                 |                                                                                     | OK |  | Siphehile Mchunu<br>491465<br>25.02.2025 | Train |
| 10044 | A | Take a screenshot of the CCTV console live stream to indicate the recorder is working for NVR2                                                                                                                                                   |                                                                                     | OK |  | Siphehile Mchunu<br>491465<br>25.02.2025 | Train |
| 10045 | R | Save the screenshot as TSXX_NVR2                                                                                                                                                                                                                 |                                                                                     | OK |  | Siphehile Mchunu<br>491465<br>25.02.2025 | Train |
| 10046 | A | Take the two saved screenshot and put them in a folder named "TSXX_NVR." Then save the folder to "teams" channel (shift reports) under a specific trainset folder TSXX>Results files> Train level                                                |                                                                                     | OK |  | Siphehile Mchunu<br>491465<br>25.02.2025 | Train |
| 10047 | I | End of Test                                                                                                                                                                                                                                      |                                                                                     | OK |  | Siphehile Mchunu<br>491465<br>25.02.2025 | Train |



Serial Tests Report  
TS270 – TFS  
RTR Train Functional Static Test Report

Document Reference  
GIB0000007854  
Version: A0

Emission date  
27/02/2025

## Section 28 – PACIS

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### 28.1 Instructions list

### 28.1.1 054\_PIS-Passenger Information System

I - Information      A - Action      R - Result      NE - Not Executed

| N°    | Type | Instruction                                                                                                                                                                             | File                                                                                | Result status | Result value | Operator                                 | Vehicle |
|-------|------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|---------------|--------------|------------------------------------------|---------|
| 10001 | I    | Pacis system = SPP 054 PIS                                                                                                                                                              |                                                                                     | OK            |              | Nqobile Chirwa<br>484648<br>25.02.2025   | Train   |
| 10002 | I    | Software Upload                                                                                                                                                                         |                                                                                     | OK            |              | Nqobile Chirwa<br>484648<br>25.02.2025   | Train   |
| 10003 | A    |                                                                                                                                                                                         |    | OK            |              | Nqobile Chirwa<br>484648<br>25.02.2025   | Train   |
| 10004 | A    |                                                                                                                                                                                         |    | OK            |              | Nqobile Chirwa<br>484648<br>25.02.2025   | Train   |
| 10005 | A    |                                                                                                                                                                                         |    | OK            |              | Nqobile Chirwa<br>484648<br>25.02.2025   | Train   |
| 10006 | R    | Verify on the DDU, referring to the baseline spreadsheet, that all Pacis devices are updated with the latest software versions                                                          |                                                                                     | OK            |              | Nqobile Chirwa<br>484648<br>25.02.2025   | Train   |
| 10007 | I    | Camera Orientation                                                                                                                                                                      |                                                                                     | OK            |              | Siphehile Mchunu<br>491465<br>27.02.2025 | Train   |
| 10008 | I    | The camera should show at least the complete gangway between two cars, luggage racks, the Interior display as well as the dead zones on the left and right of the doors.                |                                                                                     | OK            |              | Siphehile Mchunu<br>491465<br>27.02.2025 | Train   |
| 10009 | A    | Adjust the saloon cameras according to the image shown below. The Interior display should appear fully on the image as well as up to at least the first 2 doors of the neighbouring car |  | OK            |              | Siphehile Mchunu<br>491465<br>27.02.2025 | Train   |
| 10010 | A    | Please note any cameras showing green strips or unclear images should be updated settings using the attached procedure                                                                  |  | OK            |              | Siphehile Mchunu<br>491465<br>27.02.2025 | Train   |
| 10011 | R    | The Saloon cameras on TC1 have been adjusted according to image above.                                                                                                                  |                                                                                     | OK            |              | Siphehile Mchunu<br>491465<br>27.02.2025 | Train   |
| 10012 | R    | The Saloon cameras on M4 have been adjusted according to image above.                                                                                                                   |                                                                                     | OK            |              | Siphehile Mchunu<br>491465<br>27.02.2025 | Train   |



|       |   |                                                                                         |  |    |   |                                           |       |
|-------|---|-----------------------------------------------------------------------------------------|--|----|---|-------------------------------------------|-------|
| 10013 | R | The Saloon cameras on M1 have been adjusted according to image above.                   |  | OK |   | Siphesihle Mchunu<br>491465<br>27.02.2025 | Train |
| 10014 | R | The Saloon cameras on M2 have been adjusted according to image above.                   |  | OK |   | Siphesihle Mchunu<br>491465<br>27.02.2025 | Train |
| 10015 | R | The Saloon cameras on M3 have been adjusted according to image above.                   |  | OK |   | Siphesihle Mchunu<br>491465<br>27.02.2025 | Train |
| 10016 | R | The Saloon cameras on TC2 have been adjusted according to image above.                  |  | OK |   | Siphesihle Mchunu<br>491465<br>27.02.2025 | Train |
| 10017 | I | Mission Number Display                                                                  |  | OK |   | Nqobile Chirwa<br>484648<br>25.02.2025    | Train |
| 10018 | A | Active Cab in TC1                                                                       |  | OK |   | Nqobile Chirwa<br>484648<br>25.02.2025    | Train |
| 10019 | A | Login as a driver, ID: 70787878                                                         |  | OK |   | Nqobile Chirwa<br>484648<br>25.02.2025    | Train |
| 10020 | A | Enter the mission 8100                                                                  |  | OK |   | Nqobile Chirwa<br>484648<br>25.02.2025    | Train |
| 10021 | R | Check that the TC1 and TC2 front external displays are showing the mission number 8100. |  | OK |   | Nqobile Chirwa<br>484648<br>25.02.2025    | Train |
| 10022 | I | Public Announcements TC1                                                                |  | OK |   | Nqobile Chirwa<br>484648<br>25.02.2025    | Train |
| 10023 | R | Read Defined Variable [TT]<br>(MPU1)Lo_PIS_Tc1DduPaPbR1 = 0.0                           |  | OK | 0 | Nqobile Chirwa<br>484648<br>25.02.2025    | Train |
| 10024 | R | Read Defined Variable [TT]<br>(MPU1)Lo_PIS_Tc1DduPaPbR2 = 0.0                           |  | OK | 0 | Nqobile Chirwa<br>484648<br>25.02.2025    | Train |
| 10025 | A | Pulse the switch 54S1 to the right to activate PA announcement                          |  | OK |   | Nqobile Chirwa<br>484648<br>25.02.2025    | Train |
| 10026 | R | Green lamp 54H2 is ON                                                                   |  | OK |   | Nqobile Chirwa<br>484648<br>25.02.2025    | Train |
| 10027 | R | A beep sound can be heard in all saloon speakers                                        |  | OK |   | Nqobile Chirwa<br>484648<br>25.02.2025    | Train |
| 10028 | R | On Driver's screen (Home Page), PA activation message is displayed                      |  | OK |   | Nqobile Chirwa<br>484648<br>25.02.2025    | Train |
| 10029 | A | Press the button 54S4 and hold it while talking via the microphone                      |  | OK |   | Nqobile Chirwa<br>484648<br>25.02.2025    | Train |
| 10030 | I | It is necessary to go to each and every speaker to verify sound is coming out           |  | OK |   | Nqobile Chirwa<br>484648<br>25.02.2025    | Train |

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| 10031 | R | Announcement can be heard in saloon speakers of TC1                                                                                                            |                                                                                     | OK |   | Nqobile Chirwa<br>484648<br>25.02.2025 | Train |
| 10032 | R | Announcement can be heard in saloon speakers of M4                                                                                                             |                                                                                     | OK |   | Nqobile Chirwa<br>484648<br>25.02.2025 | Train |
| 10033 | R | Announcement can be heard in saloon speakers of M1                                                                                                             |                                                                                     | OK |   | Nqobile Chirwa<br>484648<br>25.02.2025 | Train |
| 10034 | R | Announcement can be heard in saloon speakers of M2                                                                                                             |                                                                                     | OK |   | Nqobile Chirwa<br>484648<br>25.02.2025 | Train |
| 10035 | R | Announcement can be heard in saloon speakers of M3                                                                                                             |                                                                                     | OK |   | Nqobile Chirwa<br>484648<br>25.02.2025 | Train |
| 10036 | R | Announcement can be heard in saloon speakers of TC2                                                                                                            |                                                                                     | OK |   | Nqobile Chirwa<br>484648<br>25.02.2025 | Train |
| 10037 | A | Release the button 54S4                                                                                                                                        |                                                                                     | OK |   | Nqobile Chirwa<br>484648<br>25.02.2025 | Train |
| 10038 | A | Talk on the microphone                                                                                                                                         |                                                                                     | OK |   | Nqobile Chirwa<br>484648<br>25.02.2025 | Train |
| 10039 | R | No sound can be heard in all cars                                                                                                                              |                                                                                     | OK |   | Nqobile Chirwa<br>484648<br>25.02.2025 | Train |
| 10040 | A | Pulse the switch 54S1 to the right to deactivate PA announcement                                                                                               |                                                                                     | OK |   | Nqobile Chirwa<br>484648<br>25.02.2025 | Train |
| 10041 | R | Green lamp 54H2 is OFF                                                                                                                                         |                                                                                     | OK |   | Nqobile Chirwa<br>484648<br>25.02.2025 | Train |
| 10042 | A | On the driver's screen (Image attached) select the "Public Address" virtual button. (NOTE variables below should be read immediately -they last for 2 seconds) |  | OK |   | Nqobile Chirwa<br>484648<br>25.02.2025 | Train |
| 10043 | R | Read Defined Variable [TT]<br>(MPU1)Lo_PIS_Tc1DduPaPbR1 = 1.0                                                                                                  |                                                                                     | OK | 1 | Nqobile Chirwa<br>484648<br>25.02.2025 | Train |
| 10044 | R | Read Defined Variable [TT]<br>(MPU1)Lo_PIS_Tc1DduPaPbR2 = 1.0                                                                                                  |                                                                                     | OK | 1 | Nqobile Chirwa<br>484648<br>25.02.2025 | Train |
| 10045 | R | Green lamp 54H2 is ON                                                                                                                                          |                                                                                     | OK |   | Nqobile Chirwa<br>484648<br>25.02.2025 | Train |
| 10046 | R | PA announcement is activated                                                                                                                                   |                                                                                     | OK |   | Nqobile Chirwa<br>484648<br>25.02.2025 | Train |
| 10047 | A | On the driver's screen (Home Page) select the "Public Address" virtual button to end communication                                                             |                                                                                     | OK |   | Nqobile Chirwa<br>484648<br>25.02.2025 | Train |

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| 10048 | R | Read Defined Variable [TT]<br>(MPU1)Lo_PIS_Tc1DduPaPbR1 = 0.0                              |  | OK | 0 | Nqobile Chirwa<br>484648<br>25.02.2025 | Train |
| 10049 | R | Read Defined Variable [TT]<br>(MPU1)Lo_PIS_Tc1DduPaPbR2 = 0.0                              |  | OK | 0 | Nqobile Chirwa<br>484648<br>25.02.2025 | Train |
| 10050 | R | Green lamp 54H2 is OFF                                                                     |  | OK |   | Nqobile Chirwa<br>484648<br>25.02.2025 | Train |
| 10051 | I | PA announcement is de-activated                                                            |  | OK |   | Nqobile Chirwa<br>484648<br>25.02.2025 | Train |
| 10052 | A | Press the button 54S4 and hold it while<br>talking on the microphone                       |  | OK |   | Nqobile Chirwa<br>484648<br>25.02.2025 | Train |
| 10053 | R | Sound cannot be heard in all speakers                                                      |  | OK |   | Nqobile Chirwa<br>484648<br>25.02.2025 | Train |
| 10054 | A | Release the button 54S4                                                                    |  | OK |   | Nqobile Chirwa<br>484648<br>25.02.2025 | Train |
| 10055 | A | Remove active cab on TC1                                                                   |  | OK |   | Nqobile Chirwa<br>484648<br>25.02.2025 | Train |
| 10056 | A | Pulse the switch 54S1 to the right to<br>activate PA announcement                          |  | OK |   | Nqobile Chirwa<br>484648<br>25.02.2025 | Train |
| 10057 | R | Green lamp 54H2 is OFF                                                                     |  | OK |   | Nqobile Chirwa<br>484648<br>25.02.2025 | Train |
| 10058 | R | No PA announcement activation showing<br>on the Driver's screen                            |  | OK |   | Nqobile Chirwa<br>484648<br>25.02.2025 | Train |
| 10059 | I | Cab to Cab Communication TC1                                                               |  | OK |   | Nqobile Chirwa<br>484648<br>25.02.2025 | Train |
| 10060 | I | It is not necessary to have an active cab in<br>order to initiate cab to cab communication |  | OK |   | Nqobile Chirwa<br>484648<br>25.02.2025 | Train |
| 10061 | R | Read Defined Variable [TT]<br>(MPU1)Lo_PIS_Tc1DduCabToCabPbR2 =<br>0.0                     |  | OK | 0 | Nqobile Chirwa<br>484648<br>25.02.2025 | Train |
| 10062 | R | Read Defined Variable [TT]<br>(MPU1)Lo_PIS_Tc1DduCabToCabPbR2 =<br>0.0                     |  | OK | 0 | Nqobile Chirwa<br>484648<br>25.02.2025 | Train |
| 10063 | A | Pulse the switch 54S1 to the left to<br>activate cab to cab communication                  |  | OK |   | Nqobile Chirwa<br>484648<br>25.02.2025 | Train |
| 10064 | R | Green lamp 54H1 is blinking                                                                |  | OK |   | Nqobile Chirwa<br>484648<br>25.02.2025 | Train |
| 10065 | R | A beep can be heard in TC2 cab                                                             |  | OK |   | Nqobile Chirwa<br>484648<br>25.02.2025 | Train |

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| 10066 | R | Green lamp 54H1 is blinking in TC2 cab                                                                                                                         |                                                                                     | OK |   | Nqobile Chirwa<br>484648<br>25.02.2025 | Train |
| 10067 | R | Cab to Cab communication is Active on DDU driver's screen                                                                                                      |                                                                                     | OK |   | Nqobile Chirwa<br>484648<br>25.02.2025 | Train |
| 10068 | A | Accept Cab to cab communication request in TC2 by pulsing switch 54S1 to the left                                                                              |                                                                                     | OK |   | Nqobile Chirwa<br>484648<br>25.02.2025 | Train |
| 10069 | R | Green lamp 54H1 is ON (steady) on TC2                                                                                                                          |                                                                                     | OK |   | Nqobile Chirwa<br>484648<br>25.02.2025 | Train |
| 10070 | A | Press and hold button 54S4 to initiate communication in TC1 and talk on the microphone                                                                         |                                                                                     | OK |   | Nqobile Chirwa<br>484648<br>25.02.2025 | Train |
| 10071 | R | Sound can be heard on TC2 cab speakers                                                                                                                         |                                                                                     | OK |   | Nqobile Chirwa<br>484648<br>25.02.2025 | Train |
| 10072 | A | Press and hold button 54S4 in TC2 and talk on the microphone                                                                                                   |                                                                                     | OK |   | Nqobile Chirwa<br>484648<br>25.02.2025 | Train |
| 10073 | R | Sound can be heard on TC1 cab speakers                                                                                                                         |                                                                                     | OK |   | Nqobile Chirwa<br>484648<br>25.02.2025 | Train |
| 10074 | A | Pulse the switch 54S1 to the left on TC1 to de-activate cab to cab communication                                                                               |                                                                                     | OK |   | Nqobile Chirwa<br>484648<br>25.02.2025 | Train |
| 10075 | R | Green lamp 54H1 is OFF on both TC1 and TC2                                                                                                                     |                                                                                     | OK |   | Nqobile Chirwa<br>484648<br>25.02.2025 | Train |
| 10076 | A | On the driver's screen (image attached) select the "Public Address" virtual button. (NOTE variables below should be read immediately -they last for 2 seconds) |  | OK |   | Nqobile Chirwa<br>484648<br>25.02.2025 | Train |
| 10077 | R | Read Defined Variable [TT]<br>(MPU1)Lo_PIS_Tc1DduCabToCabPbR1 = 1.0                                                                                            |                                                                                     | OK | 1 | Nqobile Chirwa<br>484648<br>25.02.2025 | Train |
| 10078 | R | Read Defined Variable [TT]<br>(MPU1)Lo_PIS_Tc1DduCabToCabPbR2 = 1.0                                                                                            |                                                                                     | OK | 1 | Nqobile Chirwa<br>484648<br>25.02.2025 | Train |
| 10079 | R | Cab-Cab is activated                                                                                                                                           |                                                                                     | OK |   | Nqobile Chirwa<br>484648<br>25.02.2025 | Train |
| 10080 | A | On the driver's screen select the "Public Address" virtual button to end communication                                                                         |                                                                                     | OK |   | Nqobile Chirwa<br>484648<br>25.02.2025 | Train |
| 10081 | R | Read Defined Variable [TT]<br>(MPU1)Lo_PIS_Tc1DduCabToCabPbR2 = 0.0                                                                                            |                                                                                     | OK | 0 | Nqobile Chirwa<br>484648<br>25.02.2025 | Train |

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| 10082 | R | Read Defined Variable [TT]<br>(MPU1)Lo_PIS_Tc1DduCabToCabPbR2 =<br>0.0                       |  | OK | 0 | Nqobile Chirwa<br>484648<br>25.02.2025 | Train |
| 10083 | R | Cab-Cab is de-activated                                                                      |  | OK |   | Nqobile Chirwa<br>484648<br>25.02.2025 | Train |
| 10084 | I | Cab to Cab Communication TC2                                                                 |  | OK |   | Nqobile Chirwa<br>484648<br>25.02.2025 | Train |
| 10085 | R | Read Defined Variable [TT]<br>(MPU1)Lo_PIS_Tc2DduCabToCabPbR1 =<br>0.0                       |  | OK | 0 | Nqobile Chirwa<br>484648<br>25.02.2025 | Train |
| 10086 | R | Read Defined Variable [TT]<br>(MPU1)Lo_PIS_Tc2DduCabToCabPbR2 =<br>0.0                       |  | OK | 0 | Nqobile Chirwa<br>484648<br>25.02.2025 | Train |
| 10087 | A | Pulse the switch 54S1 to the left to<br>activate cab to cab communication                    |  | OK |   | Nqobile Chirwa<br>484648<br>25.02.2025 | Train |
| 10088 | R | Green lamp 54H1 is blinking                                                                  |  | OK |   | Nqobile Chirwa<br>484648<br>25.02.2025 | Train |
| 10089 | R | A beep can be heard in TC1 cab                                                               |  | OK |   | Nqobile Chirwa<br>484648<br>25.02.2025 | Train |
| 10090 | R | Green lamp 54H1 is blinking in TC1 cab                                                       |  | OK |   | Nqobile Chirwa<br>484648<br>25.02.2025 | Train |
| 10091 | R | Cab to Cab communication is Active on<br>DDU driver's screen                                 |  | OK |   | Nqobile Chirwa<br>484648<br>25.02.2025 | Train |
| 10092 | A | Accept Cab to cab communication request<br>in TC1 by pulsing switch 54S1 to the left         |  | OK |   | Nqobile Chirwa<br>484648<br>25.02.2025 | Train |
| 10093 | R | Green lamp 54H1 is ON (steady) on TC1                                                        |  | OK |   | Nqobile Chirwa<br>484648<br>25.02.2025 | Train |
| 10094 | A | Press and hold button 54S4 to initiate<br>communication in TC2 and talk on the<br>microphone |  | OK |   | Nqobile Chirwa<br>484648<br>25.02.2025 | Train |
| 10095 | R | Sound can be heard on TC1 cab speakers                                                       |  | OK |   | Nqobile Chirwa<br>484648<br>25.02.2025 | Train |
| 10096 | A | Press and hold button 54S4 in TC1 and<br>talk on the microphone                              |  | OK |   | Nqobile Chirwa<br>484648<br>25.02.2025 | Train |
| 10097 | R | Sound can be heard on TC2 cab speakers                                                       |  | OK |   | Nqobile Chirwa<br>484648<br>25.02.2025 | Train |
| 10098 | A | Pulse the switch 54S1 to the left on TC2<br>to de-activate cab to cab communication          |  | OK |   | Nqobile Chirwa<br>484648<br>25.02.2025 | Train |

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| 10099 | R | Green lamp 54H1 is OFF on both TC1 and TC2                                                                                                                     |                                                                                     | OK |   | Nqobile Chirwa<br>484648<br>25.02.2025 | Train |
| 10100 | A | On the driver's screen (image attached) select the "Public Address" virtual button. (NOTE variables below should be read immediately -they last for 2 seconds) |    | OK |   | Nqobile Chirwa<br>484648<br>25.02.2025 | Train |
| 10101 | R | Read Defined Variable [TT]<br>(MPU1)Lo_PIS_Tc2DduCabToCabPbR1 = 1.0                                                                                            |                                                                                     | OK | 1 | Nqobile Chirwa<br>484648<br>25.02.2025 | Train |
| 10102 | R | Read Defined Variable [TT]<br>(MPU1)Lo_PIS_Tc2DduCabToCabPbR2 = 1.0                                                                                            |                                                                                     | OK | 1 | Nqobile Chirwa<br>484648<br>25.02.2025 | Train |
| 10103 | R | Cab-Cab is activated                                                                                                                                           |                                                                                     | OK |   | Nqobile Chirwa<br>484648<br>25.02.2025 | Train |
| 10104 | A | On the driver's screen select the "Public Address" virtual button to end communication                                                                         |                                                                                     | OK |   | Nqobile Chirwa<br>484648<br>25.02.2025 | Train |
| 10105 | R | Read Defined Variable [TT]<br>(MPU1)Lo_PIS_Tc2DduCabToCabPbR1 = 0.0                                                                                            |                                                                                     | OK | 0 | Nqobile Chirwa<br>484648<br>25.02.2025 | Train |
| 10106 | R | Read Defined Variable [TT]<br>(MPU1)Lo_PIS_Tc2DduCabToCabPbR2 = 0.0                                                                                            |                                                                                     | OK | 0 | Nqobile Chirwa<br>484648<br>25.02.2025 | Train |
| 10107 | R | Cab-Cab is de-activated                                                                                                                                        |                                                                                     | OK |   | Nqobile Chirwa<br>484648<br>25.02.2025 | Train |
| 10108 | I | Ventilation Rack TC1                                                                                                                                           |                                                                                     | OK |   | Nqobile Chirwa<br>484648<br>25.02.2025 | Train |
| 10109 | A | Follow the instruction below o how to test the ventilation rack                                                                                                |  | OK |   | Nqobile Chirwa<br>484648<br>25.02.2025 | Train |
| 10110 | R | All three fans of the ventilation rack are working                                                                                                             |                                                                                     | OK |   | Nqobile Chirwa<br>484648<br>25.02.2025 | Train |
| 10111 | I | PEA Functional Test                                                                                                                                            |  | OK |   | Nqobile Chirwa<br>484648<br>25.02.2025 | Train |
| 10112 | I | All PEAs are normalized on Train                                                                                                                               |                                                                                     | OK |   | Nqobile Chirwa<br>484648<br>25.02.2025 | Train |
| 10113 | I | All doors should be closed                                                                                                                                     |                                                                                     | OK |   | Nqobile Chirwa<br>484648<br>25.02.2025 | Train |
| 10114 | I | Lamp 44H1 is OFF                                                                                                                                               |                                                                                     | OK |   | Nqobile Chirwa<br>484648<br>25.02.2025 | Train |

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| 10115 | I | PEI auto test passed in all cars, only one green led can be seen in all PEIs  |                                                                                   | OK |   | Nqobile Chirwa<br>484648<br>25.02.2025 | Train |
| 10116 | A | Active cab on TC1 and login as driver: 70787878                               |                                                                                   | OK |   | Nqobile Chirwa<br>484648<br>25.02.2025 | Train |
| 10117 | I | All Cameras should be working and properly adjusted                           |                                                                                   | OK |   | Nqobile Chirwa<br>484648<br>25.02.2025 | Train |
| 10118 | I | Passenger Emergency Alarm 1 (PEA 44S11) on TC1                                |                                                                                   | OK |   | Nqobile Chirwa<br>484648<br>25.02.2025 | Train |
| 10119 | A | Pull the PEA                                                                  |                                                                                   | OK |   | Nqobile Chirwa<br>484648<br>25.02.2025 | Train |
| 10120 | R | Lamp 44H1 is ON                                                               |  | OK |   | Nqobile Chirwa<br>484648<br>25.02.2025 | Train |
| 10121 | R | Read Defined Variable [TT] (MPU1)li_ubk_tc1pealoop = 1.0                      |                                                                                   | OK | 1 | Nqobile Chirwa<br>484648<br>25.02.2025 | Train |
| 10122 | R | "Wait/Talk" lamp is BLINKING ORANGE on PEI                                    |                                                                                   | OK |   | Nqobile Chirwa<br>484648<br>25.02.2025 | Train |
| 10123 | R | A Beed can be heard in TC1 cab                                                |                                                                                   | OK |   | Nqobile Chirwa<br>484648<br>25.02.2025 | Train |
| 10124 | R | Button lamp 54S3 is BLINKING                                                  |                                                                                   | OK |   | Nqobile Chirwa<br>484648<br>25.02.2025 | Train |
| 10125 | R | An emergency alarm announcement can be heard in all saloon speakers           |                                                                                   | OK |   | Nqobile Chirwa<br>484648<br>25.02.2025 | Train |
| 10126 | R | Displays INT1 and INT2 indicate "Passenger Alarm" in all saloon cars          |                                                                                   | OK |   | Nqobile Chirwa<br>484648<br>25.02.2025 | Train |
| 10127 | R | Lateral displays LAT1 and LAT2 indicate "Passenger Alarm" on the affected car |                                                                                   | OK |   | Nqobile Chirwa<br>484648<br>25.02.2025 | Train |
| 10128 | R | A CCTV footage of TC1 camera 1 and 2 can be seen on the Driver's screen       |                                                                                   | OK |   | Nqobile Chirwa<br>484648<br>25.02.2025 | Train |
| 10129 | A | Press the button 54S3 to acknowledge PEA communication request                |                                                                                   | OK |   | Nqobile Chirwa<br>484648<br>25.02.2025 | Train |
| 10130 | A | Press and hold button 54S4 on TC1 and talk on the microphone                  |                                                                                   | OK |   | Nqobile Chirwa<br>484648<br>25.02.2025 | Train |
| 10131 | R | Message stops broadcasting in all saloon speakers                             |                                                                                   | OK |   | Nqobile Chirwa<br>484648<br>25.02.2025 | Train |
| 10132 | R | The person in the cabin can be heard from the PEI speaker                     |                                                                                   | OK |   | Nqobile Chirwa<br>484648<br>25.02.2025 | Train |

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| 10133 | A | Respond by talking back via the PEI                                               |  | OK |   | Nqobile Chirwa<br>484648<br>25.02.2025 | Train |
| 10134 | R | Communication is established between PEI and Driver cab                           |  | OK |   | Nqobile Chirwa<br>484648<br>25.02.2025 | Train |
| 10135 | A | Press the button 54S3 to end PEA communication                                    |  | OK |   | Nqobile Chirwa<br>484648<br>25.02.2025 | Train |
| 10136 | A | Reset PEA using switch 44S6                                                       |  | OK |   | Nqobile Chirwa<br>484648<br>25.02.2025 | Train |
| 10137 | R | PEA is reset and a click sound can be heard while PEA returns to its normal state |  | OK |   | Nqobile Chirwa<br>484648<br>25.02.2025 | Train |
| 10138 | A | Open and close doors using buttons on driver desk                                 |  | OK |   | Nqobile Chirwa<br>484648<br>25.02.2025 | Train |
| 10139 | R | All doors are closed and in blue colour on DDU                                    |  | OK |   | Nqobile Chirwa<br>484648<br>25.02.2025 | Train |
| 10140 | R | Lamp 44H1 is OFF                                                                  |  | OK |   | Nqobile Chirwa<br>484648<br>25.02.2025 | Train |
| 10141 | R | Read Defined Variable [TT]<br>(MPU1)li_ubk_tc1pealoo = 0.0                        |  | OK | 0 | Nqobile Chirwa<br>484648<br>25.02.2025 | Train |
| 10142 | R | No CCTV footage showing on Driver's screen                                        |  | OK |   | Nqobile Chirwa<br>484648<br>25.02.2025 | Train |
| 10143 | R | Button lamp 54S3 is OFF                                                           |  | OK |   | Nqobile Chirwa<br>484648<br>25.02.2025 | Train |
| 10144 | R | No message on Pacis displays                                                      |  | OK |   | Nqobile Chirwa<br>484648<br>25.02.2025 | Train |
| 10145 | I | Passenger Emergency Alarm 2 (PEA 44S12) on TC1                                    |  | OK |   | Nqobile Chirwa<br>484648<br>25.02.2025 | Train |
| 10146 | R | Read Defined Variable [TT]<br>(MPU1)Lo_PIS_Tc1DduPeiCommPbR1 = 0.0                |  | OK | 0 | Nqobile Chirwa<br>484648<br>25.02.2025 | Train |
| 10147 | R | Read Defined Variable [TT]<br>(MPU1)Lo_PIS_Tc1DduPeiCommPbR2 = 0.0                |  | OK | 0 | Nqobile Chirwa<br>484648<br>25.02.2025 | Train |
| 10148 | A | Pull the PEA                                                                      |  | OK |   | Nqobile Chirwa<br>484648<br>25.02.2025 | Train |
| 10149 | R | "Wait/Talk" lamp is BLINKING ORANGE on PEI                                        |  | OK |   | Nqobile Chirwa<br>484648<br>25.02.2025 | Train |



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| 10150 | R | A CCTV footage of TC1 camera 1 and 2 can be seen on the Driver's screen                                                                                         |                                                                                   | OK |   | Nqobile Chirwa<br>484648<br>25.02.2025 | Train |
| 10151 | A | On the driver's screen (image attached) select the "Passenger Alarm" virtual button. (NOTE variables below should be read immediately -they last for 2 seconds) |  | OK |   | Nqobile Chirwa<br>484648<br>25.02.2025 | Train |
| 10152 | R | Read Defined Variable [TT]<br>(MPU1)Lo_PIS_Tc1DduPeiCommPbR1 = 1.0                                                                                              |                                                                                   | OK | 1 | Nqobile Chirwa<br>484648<br>25.02.2025 | Train |
| 10153 | R | Read Defined Variable [TT]<br>(MPU1)Lo_PIS_Tc1DduPeiCommPbR2 = 1.0                                                                                              |                                                                                   | OK | 1 | Nqobile Chirwa<br>484648<br>25.02.2025 | Train |
| 10154 | A | Press and hold button 54S4 on TC1 and talk on the microphone                                                                                                    |                                                                                   | OK |   | Nqobile Chirwa<br>484648<br>25.02.2025 | Train |
| 10155 | R | The person in the cabin can be heard from the PEI speaker                                                                                                       |                                                                                   | OK |   | Nqobile Chirwa<br>484648<br>25.02.2025 | Train |
| 10156 | A | Respond by talking back via the PEI                                                                                                                             |                                                                                   | OK |   | Nqobile Chirwa<br>484648<br>25.02.2025 | Train |
| 10157 | R | Communication is stabile between PEI and Driver cab                                                                                                             |                                                                                   | OK |   | Nqobile Chirwa<br>484648<br>25.02.2025 | Train |
| 10158 | A | On the driver's screen select the "Passenger Alarm" virtual button to end communication                                                                         |                                                                                   | OK |   | Nqobile Chirwa<br>484648<br>25.02.2025 | Train |
| 10159 | R | Read Defined Variable [TT]<br>(MPU1)Lo_PIS_Tc1DduPeiCommPbR1 = 0.0                                                                                              |                                                                                   | OK | 0 | Nqobile Chirwa<br>484648<br>25.02.2025 | Train |
| 10160 | R | Read Defined Variable [TT]<br>(MPU1)Lo_PIS_Tc1DduPeiCommPbR2 = 0.0                                                                                              |                                                                                   | OK | 0 | Nqobile Chirwa<br>484648<br>25.02.2025 | Train |
| 10161 | I | Passenger Emergency Alarm 3 (PEA 44S13) on TC1                                                                                                                  |                                                                                   | OK |   | Nqobile Chirwa<br>484648<br>25.02.2025 | Train |
| 10162 | A | Pull the PEA                                                                                                                                                    |                                                                                   | OK |   | Nqobile Chirwa<br>484648<br>25.02.2025 | Train |
| 10163 | R | "Wait/Talk" lamp is BLINKING ORANGE on PEI                                                                                                                      |                                                                                   | OK |   | Nqobile Chirwa<br>484648<br>25.02.2025 | Train |
| 10164 | R | A CCTV footage of TC1 camera 1 and 2 can be seen on the Driver's screen                                                                                         |                                                                                   | OK |   | Nqobile Chirwa<br>484648<br>25.02.2025 | Train |
| 10165 | A | Press the button 54S3 to acknowledge PEA communication request                                                                                                  |                                                                                   | OK |   | Nqobile Chirwa<br>484648<br>25.02.2025 | Train |

|       |   |                                                                         |  |    |  |                                        |       |
|-------|---|-------------------------------------------------------------------------|--|----|--|----------------------------------------|-------|
| 10166 | A | Press and hold button 54S4 on TC1 and talk on the microphone            |  | OK |  | Nqobile Chirwa<br>484648<br>25.02.2025 | Train |
| 10167 | R | The person in the cabin can be heard from the PEI speaker               |  | OK |  | Nqobile Chirwa<br>484648<br>25.02.2025 | Train |
| 10168 | A | Respond by talking back via the PEI                                     |  | OK |  | Nqobile Chirwa<br>484648<br>25.02.2025 | Train |
| 10169 | R | Communication is established between PEI and Driver cab                 |  | OK |  | Nqobile Chirwa<br>484648<br>25.02.2025 | Train |
| 10170 | A | Press the button 54S3 to end PEA communication                          |  | OK |  | Nqobile Chirwa<br>484648<br>25.02.2025 | Train |
| 10171 | I | Passenger Emergency Alarm 4 (PEA 44S14) on TC1                          |  | OK |  | Nqobile Chirwa<br>484648<br>25.02.2025 | Train |
| 10172 | A | Pull the PEA                                                            |  | OK |  | Nqobile Chirwa<br>484648<br>25.02.2025 | Train |
| 10173 | R | "Wait/Talk" lamp is BLINKING ORANGE on PEI                              |  | OK |  | Nqobile Chirwa<br>484648<br>25.02.2025 | Train |
| 10174 | R | A CCTV footage of TC1 camera 1 and 2 can be seen on the Driver's screen |  | OK |  | Nqobile Chirwa<br>484648<br>25.02.2025 | Train |
| 10175 | A | Press the button 54S3 to acknowledge PEA communication request          |  | OK |  | Nqobile Chirwa<br>484648<br>25.02.2025 | Train |
| 10176 | A | Press and hold button 54S4 on TC1 and talk on the microphone            |  | OK |  | Nqobile Chirwa<br>484648<br>25.02.2025 | Train |
| 10177 | R | The person in the cabin can be heard from the PEI speaker               |  | OK |  | Nqobile Chirwa<br>484648<br>25.02.2025 | Train |
| 10178 | A | Respond by talking back via the PEI                                     |  | OK |  | Nqobile Chirwa<br>484648<br>25.02.2025 | Train |
| 10179 | R | Communication is established between PEI and Driver cab                 |  | OK |  | Nqobile Chirwa<br>484648<br>25.02.2025 | Train |
| 10180 | A | Press the button 54S3 to end PEA communication                          |  | OK |  | Nqobile Chirwa<br>484648<br>25.02.2025 | Train |
| 10181 | I | Passenger Emergency Alarm 5 (PEA 44S15) on TC1                          |  | OK |  | Nqobile Chirwa<br>484648<br>25.02.2025 | Train |
| 10182 | A | Pull the PEA                                                            |  | OK |  | Nqobile Chirwa<br>484648<br>25.02.2025 | Train |
| 10183 | R | "Wait/Talk" lamp is BLINKING ORANGE on PEI                              |  | OK |  | Nqobile Chirwa<br>484648<br>25.02.2025 | Train |

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|-------|---|-------------------------------------------------------------------------|--|----|--|----------------------------------------|-------|
| 10184 | R | A CCTV footage of TC1 camera 1 and 2 can be seen on the Driver's screen |  | OK |  | Nqobile Chirwa<br>484648<br>25.02.2025 | Train |
| 10185 | A | Press the button 54S3 to acknowledge PEA communication request          |  | OK |  | Nqobile Chirwa<br>484648<br>25.02.2025 | Train |
| 10186 | A | Press and hold button 54S4 on TC1 and talk on the microphone            |  | OK |  | Nqobile Chirwa<br>484648<br>25.02.2025 | Train |
| 10187 | R | The person in the cabin can be heard from the PEI speaker               |  | OK |  | Nqobile Chirwa<br>484648<br>25.02.2025 | Train |
| 10188 | A | Respond by talking back via the PEI                                     |  | OK |  | Nqobile Chirwa<br>484648<br>25.02.2025 | Train |
| 10189 | R | Communication is established between PEI and Driver cab                 |  | OK |  | Nqobile Chirwa<br>484648<br>25.02.2025 | Train |
| 10190 | A | Press the button 54S3 to end PEA communication                          |  | OK |  | Nqobile Chirwa<br>484648<br>25.02.2025 | Train |
| 10191 | I | Passenger Emergency Alarm 6 (PEA 44S16) on TC1                          |  | OK |  | Nqobile Chirwa<br>484648<br>25.02.2025 | Train |
| 10192 | A | Pull the PEA                                                            |  | OK |  | Nqobile Chirwa<br>484648<br>25.02.2025 | Train |
| 10193 | R | "Wait/Talk" lamp is BLINKING ORANGE on PEI                              |  | OK |  | Nqobile Chirwa<br>484648<br>25.02.2025 | Train |
| 10194 | R | A CCTV footage of TC1 camera 1 and 2 can be seen on the Driver's screen |  | OK |  | Nqobile Chirwa<br>484648<br>25.02.2025 | Train |
| 10195 | A | Press the button 54S3 to acknowledge PEA communication request          |  | OK |  | Nqobile Chirwa<br>484648<br>25.02.2025 | Train |
| 10196 | A | Press and hold button 54S4 on TC1 and talk on the microphone            |  | OK |  | Nqobile Chirwa<br>484648<br>25.02.2025 | Train |
| 10197 | R | The person in the cabin can be heard from the PEI speaker               |  | OK |  | Nqobile Chirwa<br>484648<br>25.02.2025 | Train |
| 10198 | A | Respond by talking back via the PEI                                     |  | OK |  | Nqobile Chirwa<br>484648<br>25.02.2025 | Train |
| 10199 | R | Communication is established between PEI and Driver cab                 |  | OK |  | Nqobile Chirwa<br>484648<br>25.02.2025 | Train |
| 10200 | A | Press the button 54S3 to end PEA communication                          |  | OK |  | Nqobile Chirwa<br>484648<br>25.02.2025 | Train |
| 10201 | I | Call for Aid (CFA 54S5) on TC1                                          |  | OK |  | Nqobile Chirwa<br>484648<br>25.02.2025 | Train |

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|-------|---|-------------------------------------------------------------------------|--|----|--|----------------------------------------|-------|
| 10202 | A | Press the SOS button 54S5                                               |  | OK |  | Nqobile Chirwa<br>484648<br>25.02.2025 | Train |
| 10203 | R | Button lamp 54S5 is ON                                                  |  | OK |  | Nqobile Chirwa<br>484648<br>25.02.2025 | Train |
| 10204 | R | No sound can be heard in all saloon speakers                            |  | OK |  | Nqobile Chirwa<br>484648<br>25.02.2025 | Train |
| 10205 | R | Displays INT1 and INT2 indicate "Call for AID" in all saloon cars       |  | OK |  | Nqobile Chirwa<br>484648<br>25.02.2025 | Train |
| 10206 | R | Lateral displays LAT1 and LAT2 indicate "Call for AID" on TC1           |  | OK |  | Nqobile Chirwa<br>484648<br>27.02.2025 | Train |
| 10207 | R | A CCTV footage of TC1 camera 1 and 2 can be seen on the Driver's screen |  | OK |  | Nqobile Chirwa<br>484648<br>25.02.2025 | Train |
| 10208 | A | Press the button 54S3 to acknowledge SOS communication request          |  | OK |  | Nqobile Chirwa<br>484648<br>25.02.2025 | Train |
| 10209 | A | Press and hold button 54S4 on TC1 and talk on the microphone            |  | OK |  | Nqobile Chirwa<br>484648<br>25.02.2025 | Train |
| 10210 | R | The person in the cabin can be heard from the PEI speaker               |  | OK |  | Nqobile Chirwa<br>484648<br>25.02.2025 | Train |
| 10211 | A | Respond by talking back via the PEI near 54S5                           |  | OK |  | Nqobile Chirwa<br>484648<br>25.02.2025 | Train |
| 10212 | R | Communication is established between PEI and Driver cab                 |  | OK |  | Nqobile Chirwa<br>484648<br>25.02.2025 | Train |
| 10213 | A | Press the button 54S3 to end PEA communication                          |  | OK |  | Nqobile Chirwa<br>484648<br>25.02.2025 | Train |
| 10214 | I | Passenger Emergency Alarm 1 (PEA 44S11) on M4                           |  | OK |  | Nqobile Chirwa<br>484648<br>25.02.2025 | Train |
| 10215 | A | Pull the PEA                                                            |  | OK |  | Nqobile Chirwa<br>484648<br>25.02.2025 | Train |
| 10216 | R | "Wait/Talk" lamp is BLINKING ORANGE on PEI                              |  | OK |  | Nqobile Chirwa<br>484648<br>25.02.2025 | Train |
| 10217 | R | A CCTV footage of M4 camera 1 and 2 can be seen on the Driver's screen  |  | OK |  | Nqobile Chirwa<br>484648<br>25.02.2025 | Train |
| 10218 | A | Press the button 54S3 to acknowledge PEA communication request          |  | OK |  | Nqobile Chirwa<br>484648<br>25.02.2025 | Train |
| 10219 | A | Press and hold button 54S4 on TC1 and talk on the microphone            |  | OK |  | Nqobile Chirwa<br>484648<br>25.02.2025 | Train |

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|-------|---|------------------------------------------------------------------------|--|----|--|----------------------------------------|-------|
| 10220 | R | The person in the cabin can be heard from the PEI speaker              |  | OK |  | Nqobile Chirwa<br>484648<br>25.02.2025 | Train |
| 10221 | A | Respond by talking back via the PEI                                    |  | OK |  | Nqobile Chirwa<br>484648<br>25.02.2025 | Train |
| 10222 | R | Communication is established between PEI and Driver cab                |  | OK |  | Nqobile Chirwa<br>484648<br>25.02.2025 | Train |
| 10223 | A | Press the button 54S3 to end PEA communication                         |  | OK |  | Nqobile Chirwa<br>484648<br>25.02.2025 | Train |
| 10224 | I | Passenger Emergency Alarm 2 (PEA 44S12) on M4                          |  | OK |  | Nqobile Chirwa<br>484648<br>25.02.2025 | Train |
| 10225 | A | Pull the PEA                                                           |  | OK |  | Nqobile Chirwa<br>484648<br>25.02.2025 | Train |
| 10226 | R | "Wait/Talk" lamp is BLINKING ORANGE on PEI                             |  | OK |  | Nqobile Chirwa<br>484648<br>25.02.2025 | Train |
| 10227 | R | A CCTV footage of M4 camera 1 and 2 can be seen on the Driver's screen |  | OK |  | Nqobile Chirwa<br>484648<br>25.02.2025 | Train |
| 10228 | A | Press the button 54S3 to acknowledge PEA communication request         |  | OK |  | Nqobile Chirwa<br>484648<br>25.02.2025 | Train |
| 10229 | A | Press and hold button 54S4 on TC1 and talk on the microphone           |  | OK |  | Nqobile Chirwa<br>484648<br>25.02.2025 | Train |
| 10230 | R | The person in the cabin can be heard from the PEI speaker              |  | OK |  | Nqobile Chirwa<br>484648<br>25.02.2025 | Train |
| 10231 | A | Respond by talking back via the PEI                                    |  | OK |  | Nqobile Chirwa<br>484648<br>25.02.2025 | Train |
| 10232 | R | Communication is established between PEI and Driver cab                |  | OK |  | Nqobile Chirwa<br>484648<br>25.02.2025 | Train |
| 10233 | A | Press the button 54S3 to end PEA communication                         |  | OK |  | Nqobile Chirwa<br>484648<br>25.02.2025 | Train |
| 10234 | I | Passenger Emergency Alarm 3 (PEA 44S13) on M4                          |  | OK |  | Nqobile Chirwa<br>484648<br>25.02.2025 | Train |
| 10235 | A | Pull the PEA                                                           |  | OK |  | Nqobile Chirwa<br>484648<br>25.02.2025 | Train |
| 10236 | R | "Wait/Talk" lamp is BLINKING ORANGE on PEI                             |  | OK |  | Nqobile Chirwa<br>484648<br>25.02.2025 | Train |
| 10237 | R | A CCTV footage of M4 camera 1 and 2 can be seen on the Driver's screen |  | OK |  | Nqobile Chirwa<br>484648<br>25.02.2025 | Train |

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|-------|---|------------------------------------------------------------------------|--|----|--|----------------------------------------|-------|
| 10238 | A | Press the button 54S3 to acknowledge PEA communication request         |  | OK |  | Nqobile Chirwa<br>484648<br>25.02.2025 | Train |
| 10239 | A | Press and hold button 54S4 on TC1 and talk on the microphone           |  | OK |  | Nqobile Chirwa<br>484648<br>25.02.2025 | Train |
| 10240 | R | The person in the cabin can be heard from the PEI speaker              |  | OK |  | Nqobile Chirwa<br>484648<br>25.02.2025 | Train |
| 10241 | A | Respond by talking back via the PEI                                    |  | OK |  | Nqobile Chirwa<br>484648<br>25.02.2025 | Train |
| 10242 | R | Communication is established between PEI and Driver cab                |  | OK |  | Nqobile Chirwa<br>484648<br>25.02.2025 | Train |
| 10243 | A | Press the button 54S3 to end PEA communication                         |  | OK |  | Nqobile Chirwa<br>484648<br>25.02.2025 | Train |
| 10244 | I | Passenger Emergency Alarm 4 (PEA 44S14) on M4                          |  | OK |  | Nqobile Chirwa<br>484648<br>25.02.2025 | Train |
| 10245 | A | Pull the PEA                                                           |  | OK |  | Nqobile Chirwa<br>484648<br>25.02.2025 | Train |
| 10246 | R | "Wait/Talk" lamp is BLINKING ORANGE on PEI                             |  | OK |  | Nqobile Chirwa<br>484648<br>25.02.2025 | Train |
| 10247 | R | A CCTV footage of M4 camera 1 and 2 can be seen on the Driver's screen |  | OK |  | Nqobile Chirwa<br>484648<br>25.02.2025 | Train |
| 10248 | A | Press the button 54S3 to acknowledge PEA communication request         |  | OK |  | Nqobile Chirwa<br>484648<br>25.02.2025 | Train |
| 10249 | A | Press and hold button 54S4 on TC1 and talk on the microphone           |  | OK |  | Nqobile Chirwa<br>484648<br>25.02.2025 | Train |
| 10250 | R | The person in the cabin can be heard from the PEI speaker              |  | OK |  | Nqobile Chirwa<br>484648<br>25.02.2025 | Train |
| 10251 | A | Respond by talking back via the PEI                                    |  | OK |  | Nqobile Chirwa<br>484648<br>25.02.2025 | Train |
| 10252 | R | Communication is established between PEI and Driver cab                |  | OK |  | Nqobile Chirwa<br>484648<br>25.02.2025 | Train |
| 10253 | A | Press the button 54S3 to end PEA communication                         |  | OK |  | Nqobile Chirwa<br>484648<br>25.02.2025 | Train |
| 10254 | I | Passenger Emergency Alarm 5 (PEA 44S15) on M4                          |  | OK |  | Nqobile Chirwa<br>484648<br>25.02.2025 | Train |
| 10255 | A | Pull the PEA                                                           |  | OK |  | Nqobile Chirwa<br>484648<br>25.02.2025 | Train |

|       |   |                                                                        |  |    |  |                                        |       |
|-------|---|------------------------------------------------------------------------|--|----|--|----------------------------------------|-------|
| 10256 | R | "Wait/Talk" lamp is BLINKING ORANGE on PEI                             |  | OK |  | Nqobile Chirwa<br>484648<br>25.02.2025 | Train |
| 10257 | R | A CCTV footage of M4 camera 1 and 2 can be seen on the Driver's screen |  | OK |  | Nqobile Chirwa<br>484648<br>25.02.2025 | Train |
| 10258 | A | Press the button 54S3 to acknowledge PEA communication request         |  | OK |  | Nqobile Chirwa<br>484648<br>25.02.2025 | Train |
| 10259 | A | Press and hold button 54S4 on TC1 and talk on the microphone           |  | OK |  | Nqobile Chirwa<br>484648<br>25.02.2025 | Train |
| 10260 | R | The person in the cabin can be heard from the PEI speaker              |  | OK |  | Nqobile Chirwa<br>484648<br>25.02.2025 | Train |
| 10261 | A | Respond by talking back via the PEI                                    |  | OK |  | Nqobile Chirwa<br>484648<br>25.02.2025 | Train |
| 10262 | R | Communication is established between PEI and Driver cab                |  | OK |  | Nqobile Chirwa<br>484648<br>25.02.2025 | Train |
| 10263 | A | Press the button 54S3 to end PEA communication                         |  | OK |  | Nqobile Chirwa<br>484648<br>25.02.2025 | Train |
| 10264 | I | Passenger Emergency Alarm 6 (PEA 44S16) on M4                          |  | OK |  | Nqobile Chirwa<br>484648<br>25.02.2025 | Train |
| 10265 | A | Pull the PEA                                                           |  | OK |  | Nqobile Chirwa<br>484648<br>25.02.2025 | Train |
| 10266 | R | "Wait/Talk" lamp is BLINKING ORANGE on PEI                             |  | OK |  | Nqobile Chirwa<br>484648<br>25.02.2025 | Train |
| 10267 | R | A CCTV footage of M4 camera 1 and 2 can be seen on the Driver's screen |  | OK |  | Nqobile Chirwa<br>484648<br>25.02.2025 | Train |
| 10268 | A | Press the button 54S3 to acknowledge PEA communication request         |  | OK |  | Nqobile Chirwa<br>484648<br>25.02.2025 | Train |
| 10269 | A | Press and hold button 54S4 on TC1 and talk on the microphone           |  | OK |  | Nqobile Chirwa<br>484648<br>25.02.2025 | Train |
| 10270 | R | The person in the cabin can be heard from the PEI speaker              |  | OK |  | Nqobile Chirwa<br>484648<br>25.02.2025 | Train |
| 10271 | A | Respond by talking back via the PEI                                    |  | OK |  | Nqobile Chirwa<br>484648<br>25.02.2025 | Train |
| 10272 | R | Communication is established between PEI and Driver cab                |  | OK |  | Nqobile Chirwa<br>484648<br>25.02.2025 | Train |
| 10273 | A | Press the button 54S3 to end PEA communication                         |  | OK |  | Nqobile Chirwa<br>484648<br>25.02.2025 | Train |

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|-------|---|---------------------------------------------------------------------------|--|----|---|------------------------------------------------------|-------|
| 10274 | R | Read Defined Variable [TT]<br>(MPU1)Li_UBK_M4StateResetPea = 1.0          |  | OK | 1 | Nqobile Chirwa<br>484648<br>25.02.2025               | Train |
| 10275 | A | Reset PEA using switch 44S6                                               |  | OK |   | Nqobile Chirwa<br>484648<br>25.02.2025               | Train |
| 10276 | R | Read Defined Variable [TT]<br>(MPU1)Li_UBK_M4StateResetPea = 0.0          |  | OK | 0 | Nqobile Chirwa<br>484648<br>25.02.2025               | Train |
| 10277 | R | All M4 PEAs are reset                                                     |  | OK |   | Nqobile Chirwa<br>484648<br>25.02.2025               | Train |
| 10278 | I | Passenger Emergency Alarm 1 (PEA<br>44S11) on M1                          |  | OK |   | Nqobile Chirwa<br>484648<br>25.02.2025               | Train |
| 10279 | A | Pull the PEA                                                              |  | OK |   | Nqobile Chirwa<br>484648<br>25.02.2025               | Train |
| 10280 | R | "Wait/Talk" lamp is BLINKING ORANGE<br>on PEI                             |  | OK |   | Hlawulani Nick<br>Mabundzane<br>418320<br>26.02.2025 | Train |
| 10281 | R | A CCTV footage of M1 camera 1 and 2 can<br>be seen on the Driver's screen |  | OK |   | Hlawulani Nick<br>Mabundzane<br>418320<br>26.02.2025 | Train |
| 10282 | A | Press the button 54S3 to acknowledge<br>PEA communication request         |  | OK |   | Hlawulani Nick<br>Mabundzane<br>418320<br>26.02.2025 | Train |
| 10283 | A | Press and hold button 54S4 on TC1 and<br>talk on the microphone           |  | OK |   | Hlawulani Nick<br>Mabundzane<br>418320<br>26.02.2025 | Train |
| 10284 | R | The person in the cabin can be heard from<br>the PEI speaker              |  | OK |   | Hlawulani Nick<br>Mabundzane<br>418320<br>26.02.2025 | Train |
| 10285 | A | Respond by talking back via the PEI                                       |  | OK |   | Hlawulani Nick<br>Mabundzane<br>418320<br>26.02.2025 | Train |
| 10286 | R | Communication is established between<br>PEI and Driver cab                |  | OK |   | Hlawulani Nick<br>Mabundzane<br>418320<br>26.02.2025 | Train |
| 10287 | A | Press the button 54S3 to end PEA<br>communication                         |  | OK |   | Hlawulani Nick<br>Mabundzane<br>418320<br>26.02.2025 | Train |
| 10288 | I | Passenger Emergency Alarm 2 (PEA<br>44S12) on M1                          |  | OK |   | Hlawulani Nick<br>Mabundzane<br>418320<br>26.02.2025 | Train |
| 10289 | A | Pull the PEA                                                              |  | OK |   | Hlawulani Nick<br>Mabundzane<br>418320               | Train |



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|-------|---|------------------------------------------------------------------------|--|----|--|------------------------------------------------------|-------|
|       |   |                                                                        |  |    |  | 26.02.2025                                           |       |
| 10290 | R | "Wait/Talk" lamp is BLINKING ORANGE on PEI                             |  | OK |  | Hlawulani Nick<br>Mabundzane<br>418320<br>26.02.2025 | Train |
| 10291 | R | A CCTV footage of M1 camera 1 and 2 can be seen on the Driver's screen |  | OK |  | Hlawulani Nick<br>Mabundzane<br>418320<br>26.02.2025 | Train |
| 10292 | A | Press the button 54S3 to acknowledge PEA communication request         |  | OK |  | Hlawulani Nick<br>Mabundzane<br>418320<br>26.02.2025 | Train |
| 10293 | A | Press and hold button 54S4 on TC1 and talk on the microphone           |  | OK |  | Hlawulani Nick<br>Mabundzane<br>418320<br>26.02.2025 | Train |
| 10294 | R | The person in the cabin can be heard from the PEI speaker              |  | OK |  | Hlawulani Nick<br>Mabundzane<br>418320<br>26.02.2025 | Train |
| 10295 | A | Respond by talking back via the PEI                                    |  | OK |  | Hlawulani Nick<br>Mabundzane<br>418320<br>26.02.2025 | Train |
| 10296 | R | Communication is established between PEI and Driver cab                |  | OK |  | Hlawulani Nick<br>Mabundzane<br>418320<br>26.02.2025 | Train |
| 10297 | A | Press the button 54S3 to end PEA communication                         |  | OK |  | Hlawulani Nick<br>Mabundzane<br>418320<br>26.02.2025 | Train |
| 10298 | I | Passenger Emergency Alarm 3 (PEA 44S13) on M1                          |  | OK |  | Hlawulani Nick<br>Mabundzane<br>418320<br>26.02.2025 | Train |
| 10299 | A | Pull the PEA                                                           |  | OK |  | Hlawulani Nick<br>Mabundzane<br>418320<br>26.02.2025 | Train |
| 10300 | R | "Wait/Talk" lamp is BLINKING ORANGE on PEI                             |  | OK |  | Hlawulani Nick<br>Mabundzane<br>418320<br>26.02.2025 | Train |
| 10301 | R | A CCTV footage of M1 camera 1 and 2 can be seen on the Driver's screen |  | OK |  | Hlawulani Nick<br>Mabundzane<br>418320<br>26.02.2025 | Train |
| 10302 | A | Press the button 54S3 to acknowledge PEA communication request         |  | OK |  | Hlawulani Nick<br>Mabundzane<br>418320<br>26.02.2025 | Train |
| 10303 | A | Press and hold button 54S4 on TC1 and talk on the microphone           |  | OK |  | Hlawulani Nick<br>Mabundzane<br>418320<br>26.02.2025 | Train |

|       |   |                                                                        |  |    |  |                                                   |       |
|-------|---|------------------------------------------------------------------------|--|----|--|---------------------------------------------------|-------|
| 10304 | R | The person in the cabin can be heard from the PEI speaker              |  | OK |  | Hlawulani Nick Mabundzane<br>418320<br>26.02.2025 | Train |
| 10305 | A | Respond by talking back via the PEI                                    |  | OK |  | Hlawulani Nick Mabundzane<br>418320<br>26.02.2025 | Train |
| 10306 | R | Communication is established between PEI and Driver cab                |  | OK |  | Hlawulani Nick Mabundzane<br>418320<br>26.02.2025 | Train |
| 10307 | A | Press the button 54S3 to end PEA communication                         |  | OK |  | Hlawulani Nick Mabundzane<br>418320<br>26.02.2025 | Train |
| 10308 | I | Passenger Emergency Alarm 4 (PEA 44S14) on M1                          |  | OK |  | Hlawulani Nick Mabundzane<br>418320<br>26.02.2025 | Train |
| 10309 | A | Pull the PEA                                                           |  | OK |  | Hlawulani Nick Mabundzane<br>418320<br>26.02.2025 | Train |
| 10310 | R | "Wait/Talk" lamp is BLINKING ORANGE on PEI                             |  | OK |  | Hlawulani Nick Mabundzane<br>418320<br>26.02.2025 | Train |
| 10311 | R | A CCTV footage of M1 camera 1 and 2 can be seen on the Driver's screen |  | OK |  | Hlawulani Nick Mabundzane<br>418320<br>26.02.2025 | Train |
| 10312 | A | Press the button 54S3 to acknowledge PEA communication request         |  | OK |  | Hlawulani Nick Mabundzane<br>418320<br>26.02.2025 | Train |
| 10313 | A | Press and hold button 54S4 on TC1 and talk on the microphone           |  | OK |  | Hlawulani Nick Mabundzane<br>418320<br>26.02.2025 | Train |
| 10314 | R | The person in the cabin can be heard from the PEI speaker              |  | OK |  | Hlawulani Nick Mabundzane<br>418320<br>26.02.2025 | Train |
| 10315 | A | Respond by talking back via the PEI                                    |  | OK |  | Hlawulani Nick Mabundzane<br>418320<br>26.02.2025 | Train |
| 10316 | R | Communication is established between PEI and Driver cab                |  | OK |  | Hlawulani Nick Mabundzane<br>418320<br>26.02.2025 | Train |
| 10317 | A | Press the button 54S3 to end PEA communication                         |  | OK |  | Hlawulani Nick Mabundzane<br>418320<br>26.02.2025 | Train |

|       |   |                                                                        |  |    |  |                                             |       |
|-------|---|------------------------------------------------------------------------|--|----|--|---------------------------------------------|-------|
| 10318 | I | Passenger Emergency Alarm 5 (PEA 44S15) on M1                          |  | OK |  | Hlawulani Nick Mabundzane 418320 26.02.2025 | Train |
| 10319 | A | Pull the PEA                                                           |  | OK |  | Hlawulani Nick Mabundzane 418320 26.02.2025 | Train |
| 10320 | R | "Wait/Talk" lamp is BLINKING ORANGE on PEI                             |  | OK |  | Hlawulani Nick Mabundzane 418320 26.02.2025 | Train |
| 10321 | R | A CCTV footage of M1 camera 1 and 2 can be seen on the Driver's screen |  | OK |  | Hlawulani Nick Mabundzane 418320 26.02.2025 | Train |
| 10322 | A | Press the button 54S3 to acknowledge PEA communication request         |  | OK |  | Hlawulani Nick Mabundzane 418320 26.02.2025 | Train |
| 10323 | A | Press and hold button 54S4 on TC1 and talk on the microphone           |  | OK |  | Hlawulani Nick Mabundzane 418320 26.02.2025 | Train |
| 10324 | R | The person in the cabin can be heard from the PEI speaker              |  | OK |  | Hlawulani Nick Mabundzane 418320 26.02.2025 | Train |
| 10325 | A | Respond by talking back via the PEI                                    |  | OK |  | Hlawulani Nick Mabundzane 418320 26.02.2025 | Train |
| 10326 | R | Communication is established between PEI and Driver cab                |  | OK |  | Hlawulani Nick Mabundzane 418320 26.02.2025 | Train |
| 10327 | A | Press the button 54S3 to end PEA communication                         |  | OK |  | Hlawulani Nick Mabundzane 418320 26.02.2025 | Train |
| 10328 | I | Passenger Emergency Alarm 6 (PEA 44S16) on M1                          |  | OK |  | Hlawulani Nick Mabundzane 418320 26.02.2025 | Train |
| 10329 | A | Pull the PEA                                                           |  | OK |  | Hlawulani Nick Mabundzane 418320 26.02.2025 | Train |
| 10330 | R | "Wait/Talk" lamp is BLINKING ORANGE on PEI                             |  | OK |  | Hlawulani Nick Mabundzane 418320 26.02.2025 | Train |
| 10331 | R | A CCTV footage of M1 camera 1 and 2 can be seen on the Driver's screen |  | OK |  | Hlawulani Nick Mabundzane 418320 26.02.2025 | Train |

|       |   |                                                                        |  |    |   |                                                      |       |
|-------|---|------------------------------------------------------------------------|--|----|---|------------------------------------------------------|-------|
| 10332 | A | Press the button 54S3 to acknowledge PEA communication request         |  | OK |   | Hlawulani Nick<br>Mabundzane<br>418320<br>26.02.2025 | Train |
| 10333 | A | Press and hold button 54S4 on TC1 and talk on the microphone           |  | OK |   | Hlawulani Nick<br>Mabundzane<br>418320<br>26.02.2025 | Train |
| 10334 | R | The person in the cabin can be heard from the PEI speaker              |  | OK |   | Hlawulani Nick<br>Mabundzane<br>418320<br>26.02.2025 | Train |
| 10335 | A | Respond by talking back via the PEI                                    |  | OK |   | Hlawulani Nick<br>Mabundzane<br>418320<br>26.02.2025 | Train |
| 10336 | R | Communication is established between PEI and Driver cab                |  | OK |   | Hlawulani Nick<br>Mabundzane<br>418320<br>26.02.2025 | Train |
| 10337 | A | Press the button 54S3 to end PEA communication                         |  | OK |   | Hlawulani Nick<br>Mabundzane<br>418320<br>26.02.2025 | Train |
| 10338 | R | Read Defined Variable [TT]<br>(MPU1)Li_UBK_M1StateResetPea = 1.0       |  | OK | 1 | Hlawulani Nick<br>Mabundzane<br>418320<br>26.02.2025 | Train |
| 10339 | A | Reset PEA using switch 44S6                                            |  | OK |   | Hlawulani Nick<br>Mabundzane<br>418320<br>26.02.2025 | Train |
| 10340 | R | Read Defined Variable [TT]<br>(MPU1)Li_UBK_M1StateResetPea = 0.0       |  | OK | 0 | Hlawulani Nick<br>Mabundzane<br>418320<br>26.02.2025 | Train |
| 10341 | R | All M1 PEAs are reset                                                  |  | OK |   | Hlawulani Nick<br>Mabundzane<br>418320<br>26.02.2025 | Train |
| 10342 | I | Passenger Emergency Alarm 1 (PEA 44S11) on M2                          |  | OK |   | Hlawulani Nick<br>Mabundzane<br>418320<br>26.02.2025 | Train |
| 10343 | A | Pull the PEA                                                           |  | OK |   | Hlawulani Nick<br>Mabundzane<br>418320<br>26.02.2025 | Train |
| 10344 | R | "Wait/Talk" lamp is BLINKING ORANGE on PEI                             |  | OK |   | Hlawulani Nick<br>Mabundzane<br>418320<br>26.02.2025 | Train |
| 10345 | R | A CCTV footage of M2 camera 1 and 2 can be seen on the Driver's screen |  | OK |   | Hlawulani Nick<br>Mabundzane<br>418320<br>26.02.2025 | Train |

|       |   |                                                                        |  |    |  |                                                      |       |
|-------|---|------------------------------------------------------------------------|--|----|--|------------------------------------------------------|-------|
| 10346 | A | Press the button 54S3 to acknowledge PEA communication request         |  | OK |  | Hlawulani Nick<br>Mabundzane<br>418320<br>26.02.2025 | Train |
| 10347 | A | Press and hold button 54S4 on TC1 and talk on the microphone           |  | OK |  | Hlawulani Nick<br>Mabundzane<br>418320<br>26.02.2025 | Train |
| 10348 | R | The person in the cabin can be heard from the PEI speaker              |  | OK |  | Hlawulani Nick<br>Mabundzane<br>418320<br>26.02.2025 | Train |
| 10349 | A | Respond by talking back via the PEI                                    |  | OK |  | Hlawulani Nick<br>Mabundzane<br>418320<br>26.02.2025 | Train |
| 10350 | R | Communication is established between PEI and Driver cab                |  | OK |  | Hlawulani Nick<br>Mabundzane<br>418320<br>26.02.2025 | Train |
| 10351 | A | Press the button 54S3 to end PEA communication                         |  | OK |  | Hlawulani Nick<br>Mabundzane<br>418320<br>26.02.2025 | Train |
| 10352 | I | Passenger Emergency Alarm 2 (PEA 44S12) on M2                          |  | OK |  | Hlawulani Nick<br>Mabundzane<br>418320<br>26.02.2025 | Train |
| 10353 | A | Pull the PEA                                                           |  | OK |  | Hlawulani Nick<br>Mabundzane<br>418320<br>26.02.2025 | Train |
| 10354 | R | "Wait/Talk" lamp is BLINKING ORANGE on PEI                             |  | OK |  | Hlawulani Nick<br>Mabundzane<br>418320<br>26.02.2025 | Train |
| 10355 | R | A CCTV footage of M2 camera 1 and 2 can be seen on the Driver's screen |  | OK |  | Hlawulani Nick<br>Mabundzane<br>418320<br>26.02.2025 | Train |
| 10356 | A | Press the button 54S3 to acknowledge PEA communication request         |  | OK |  | Hlawulani Nick<br>Mabundzane<br>418320<br>26.02.2025 | Train |
| 10357 | A | Press and hold button 54S4 on TC1 and talk on the microphone           |  | OK |  | Hlawulani Nick<br>Mabundzane<br>418320<br>26.02.2025 | Train |
| 10358 | R | The person in the cabin can be heard from the PEI speaker              |  | OK |  | Hlawulani Nick<br>Mabundzane<br>418320<br>26.02.2025 | Train |
| 10359 | A | Respond by talking back via the PEI                                    |  | OK |  | Hlawulani Nick<br>Mabundzane<br>418320<br>26.02.2025 | Train |

|       |   |                                                                        |  |    |  |                                                   |       |
|-------|---|------------------------------------------------------------------------|--|----|--|---------------------------------------------------|-------|
| 10360 | R | Communication is established between PEI and Driver cab                |  | OK |  | Hlawulani Nick Mabundzane<br>418320<br>26.02.2025 | Train |
| 10361 | A | Press the button 54S3 to end PEA communication                         |  | OK |  | Hlawulani Nick Mabundzane<br>418320<br>26.02.2025 | Train |
| 10362 | I | Passenger Emergency Alarm 3 (PEA 44S13) on M2                          |  | OK |  | Hlawulani Nick Mabundzane<br>418320<br>26.02.2025 | Train |
| 10363 | A | Pull the PEA                                                           |  | OK |  | Hlawulani Nick Mabundzane<br>418320<br>26.02.2025 | Train |
| 10364 | R | "Wait/Talk" lamp is BLINKING ORANGE on PEI                             |  | OK |  | Hlawulani Nick Mabundzane<br>418320<br>26.02.2025 | Train |
| 10365 | R | A CCTV footage of M2 camera 1 and 2 can be seen on the Driver's screen |  | OK |  | Hlawulani Nick Mabundzane<br>418320<br>26.02.2025 | Train |
| 10366 | A | Press the button 54S3 to acknowledge PEA communication request         |  | OK |  | Hlawulani Nick Mabundzane<br>418320<br>26.02.2025 | Train |
| 10367 | A | Press and hold button 54S4 on TC1 and talk on the microphone           |  | OK |  | Hlawulani Nick Mabundzane<br>418320<br>26.02.2025 | Train |
| 10368 | R | The person in the cabin can be heard from the PEI speaker              |  | OK |  | Hlawulani Nick Mabundzane<br>418320<br>26.02.2025 | Train |
| 10369 | A | Respond by talking back via the PEI                                    |  | OK |  | Hlawulani Nick Mabundzane<br>418320<br>26.02.2025 | Train |
| 10370 | R | Communication is established between PEI and Driver cab                |  | OK |  | Hlawulani Nick Mabundzane<br>418320<br>26.02.2025 | Train |
| 10371 | A | Press the button 54S3 to end PEA communication                         |  | OK |  | Hlawulani Nick Mabundzane<br>418320<br>26.02.2025 | Train |
| 10372 | I | Passenger Emergency Alarm 4 (PEA 44S14) on M2                          |  | OK |  | Hlawulani Nick Mabundzane<br>418320<br>26.02.2025 | Train |
| 10373 | A | Pull the PEA                                                           |  | OK |  | Hlawulani Nick Mabundzane<br>418320<br>26.02.2025 | Train |

|       |   |                                                                        |  |    |  |                                                      |       |
|-------|---|------------------------------------------------------------------------|--|----|--|------------------------------------------------------|-------|
| 10374 | R | "Wait/Talk" lamp is BLINKING ORANGE on PEI                             |  | OK |  | Hlawulani Nick<br>Mabundzane<br>418320<br>26.02.2025 | Train |
| 10375 | R | A CCTV footage of M2 camera 1 and 2 can be seen on the Driver's screen |  | OK |  | Hlawulani Nick<br>Mabundzane<br>418320<br>26.02.2025 | Train |
| 10376 | A | Press the button 54S3 to acknowledge PEA communication request         |  | OK |  | Hlawulani Nick<br>Mabundzane<br>418320<br>26.02.2025 | Train |
| 10377 | A | Press and hold button 54S4 on TC1 and talk on the microphone           |  | OK |  | Hlawulani Nick<br>Mabundzane<br>418320<br>26.02.2025 | Train |
| 10378 | R | The person in the cabin can be heard from the PEI speaker              |  | OK |  | Hlawulani Nick<br>Mabundzane<br>418320<br>26.02.2025 | Train |
| 10379 | A | Respond by talking back via the PEI                                    |  | OK |  | Hlawulani Nick<br>Mabundzane<br>418320<br>26.02.2025 | Train |
| 10380 | R | Communication is established between PEI and Driver cab                |  | OK |  | Hlawulani Nick<br>Mabundzane<br>418320<br>26.02.2025 | Train |
| 10381 | A | Press the button 54S3 to end PEA communication                         |  | OK |  | Hlawulani Nick<br>Mabundzane<br>418320<br>26.02.2025 | Train |
| 10382 | I | Passenger Emergency Alarm 5 (PEA 44S15) on M2                          |  | OK |  | Hlawulani Nick<br>Mabundzane<br>418320<br>26.02.2025 | Train |
| 10383 | A | Pull the PEA                                                           |  | OK |  | Hlawulani Nick<br>Mabundzane<br>418320<br>26.02.2025 | Train |
| 10384 | R | "Wait/Talk" lamp is BLINKING ORANGE on PEI                             |  | OK |  | Hlawulani Nick<br>Mabundzane<br>418320<br>26.02.2025 | Train |
| 10385 | R | A CCTV footage of M2 camera 1 and 2 can be seen on the Driver's screen |  | OK |  | Hlawulani Nick<br>Mabundzane<br>418320<br>26.02.2025 | Train |
| 10386 | A | Press the button 54S3 to acknowledge PEA communication request         |  | OK |  | Hlawulani Nick<br>Mabundzane<br>418320<br>26.02.2025 | Train |
| 10387 | A | Press and hold button 54S4 on TC1 and talk on the microphone           |  | OK |  | Hlawulani Nick<br>Mabundzane<br>418320<br>26.02.2025 | Train |

|       |   |                                                                        |  |    |  |                                                   |       |
|-------|---|------------------------------------------------------------------------|--|----|--|---------------------------------------------------|-------|
| 10388 | R | The person in the cabin can be heard from the PEI speaker              |  | OK |  | Hlawulani Nick Mabundzane<br>418320<br>26.02.2025 | Train |
| 10389 | A | Respond by talking back via the PEI                                    |  | OK |  | Hlawulani Nick Mabundzane<br>418320<br>26.02.2025 | Train |
| 10390 | R | Communication is established between PEI and Driver cab                |  | OK |  | Hlawulani Nick Mabundzane<br>418320<br>26.02.2025 | Train |
| 10391 | A | Press the button 54S3 to end PEA communication                         |  | OK |  | Hlawulani Nick Mabundzane<br>418320<br>26.02.2025 | Train |
| 10392 | I | Passenger Emergency Alarm 6 (PEA 44S16) on M2                          |  | OK |  | Hlawulani Nick Mabundzane<br>418320<br>26.02.2025 | Train |
| 10393 | A | Pull the PEA                                                           |  | OK |  | Hlawulani Nick Mabundzane<br>418320<br>26.02.2025 | Train |
| 10394 | R | "Wait/Talk" lamp is BLINKING ORANGE on PEI                             |  | OK |  | Hlawulani Nick Mabundzane<br>418320<br>26.02.2025 | Train |
| 10395 | R | A CCTV footage of M2 camera 1 and 2 can be seen on the Driver's screen |  | OK |  | Hlawulani Nick Mabundzane<br>418320<br>26.02.2025 | Train |
| 10396 | A | Press the button 54S3 to acknowledge PEA communication request         |  | OK |  | Hlawulani Nick Mabundzane<br>418320<br>26.02.2025 | Train |
| 10397 | A | Press and hold button 54S4 on TC1 and talk on the microphone           |  | OK |  | Hlawulani Nick Mabundzane<br>418320<br>26.02.2025 | Train |
| 10398 | R | The person in the cabin can be heard from the PEI speaker              |  | OK |  | Hlawulani Nick Mabundzane<br>418320<br>26.02.2025 | Train |
| 10399 | A | Respond by talking back via the PEI                                    |  | OK |  | Hlawulani Nick Mabundzane<br>418320<br>26.02.2025 | Train |
| 10400 | R | Communication is established between PEI and Driver cab                |  | OK |  | Hlawulani Nick Mabundzane<br>418320<br>26.02.2025 | Train |
| 10401 | A | Press the button 54S3 to end PEA communication                         |  | OK |  | Hlawulani Nick Mabundzane<br>418320<br>26.02.2025 | Train |



|       |   |                                                                           |  |    |   |                                                      |       |
|-------|---|---------------------------------------------------------------------------|--|----|---|------------------------------------------------------|-------|
| 10402 | R | Read Defined Variable [TT]<br>(MPU1)Li_UBK_M2StateResetPea = 1.0          |  | OK | 1 | Hlawulani Nick<br>Mabundzane<br>418320<br>26.02.2025 | Train |
| 10403 | A | Reset PEA using switch 44S6                                               |  | OK |   | Hlawulani Nick<br>Mabundzane<br>418320<br>26.02.2025 | Train |
| 10404 | R | Read Defined Variable [TT]<br>(MPU1)Li_UBK_M2StateResetPea = 0.0          |  | OK | 0 | Hlawulani Nick<br>Mabundzane<br>418320<br>26.02.2025 | Train |
| 10405 | R | All M2 PEAs are reset                                                     |  | OK |   | Hlawulani Nick<br>Mabundzane<br>418320<br>26.02.2025 | Train |
| 10406 | I | Passenger Emergency Alarm 1 (PEA<br>44S11) on M3                          |  | OK |   | Hlawulani Nick<br>Mabundzane<br>418320<br>26.02.2025 | Train |
| 10407 | A | Pull the PEA                                                              |  | OK |   | Hlawulani Nick<br>Mabundzane<br>418320<br>26.02.2025 | Train |
| 10408 | R | "Wait/Talk" lamp is BLINKING ORANGE<br>on PEI                             |  | OK |   | Hlawulani Nick<br>Mabundzane<br>418320<br>26.02.2025 | Train |
| 10409 | R | A CCTV footage of M3 camera 1 and 2 can<br>be seen on the Driver's screen |  | OK |   | Hlawulani Nick<br>Mabundzane<br>418320<br>26.02.2025 | Train |
| 10410 | A | Press the button 54S3 to acknowledge<br>PEA communication request         |  | OK |   | Hlawulani Nick<br>Mabundzane<br>418320<br>26.02.2025 | Train |
| 10411 | A | Press and hold button 54S4 on TC1 and<br>talk on the microphone           |  | OK |   | Hlawulani Nick<br>Mabundzane<br>418320<br>26.02.2025 | Train |
| 10412 | R | The person in the cabin can be heard from<br>the PEI speaker              |  | OK |   | Hlawulani Nick<br>Mabundzane<br>418320<br>26.02.2025 | Train |
| 10413 | A | Respond by talking back via the PEI                                       |  | OK |   | Hlawulani Nick<br>Mabundzane<br>418320<br>26.02.2025 | Train |
| 10414 | R | Communication is established between<br>PEI and Driver cab                |  | OK |   | Hlawulani Nick<br>Mabundzane<br>418320<br>26.02.2025 | Train |
| 10415 | A | Press the button 54S3 to end PEA<br>communication                         |  | OK |   | Hlawulani Nick<br>Mabundzane<br>418320<br>26.02.2025 | Train |

|       |   |                                                                        |  |    |  |                                                      |       |
|-------|---|------------------------------------------------------------------------|--|----|--|------------------------------------------------------|-------|
| 10416 | I | Passenger Emergency Alarm 2 (PEA 44S12) on M3                          |  | OK |  | Hlawulani Nick<br>Mabundzane<br>418320<br>26.02.2025 | Train |
| 10417 | A | Pull the PEA                                                           |  | OK |  | Hlawulani Nick<br>Mabundzane<br>418320<br>26.02.2025 | Train |
| 10418 | R | "Wait/Talk" lamp is BLINKING ORANGE on PEI                             |  | OK |  | Hlawulani Nick<br>Mabundzane<br>418320<br>26.02.2025 | Train |
| 10419 | R | A CCTV footage of M3 camera 1 and 2 can be seen on the Driver's screen |  | OK |  | Hlawulani Nick<br>Mabundzane<br>418320<br>26.02.2025 | Train |
| 10420 | A | Press the button 54S3 to acknowledge PEA communication request         |  | OK |  | Hlawulani Nick<br>Mabundzane<br>418320<br>26.02.2025 | Train |
| 10421 | A | Press and hold button 54S4 on TC1 and talk on the microphone           |  | OK |  | Hlawulani Nick<br>Mabundzane<br>418320<br>26.02.2025 | Train |
| 10422 | R | The person in the cabin can be heard from the PEI speaker              |  | OK |  | Hlawulani Nick<br>Mabundzane<br>418320<br>26.02.2025 | Train |
| 10423 | A | Respond by talking back via the PEI                                    |  | OK |  | Hlawulani Nick<br>Mabundzane<br>418320<br>26.02.2025 | Train |
| 10424 | R | Communication is established between PEI and Driver cab                |  | OK |  | Hlawulani Nick<br>Mabundzane<br>418320<br>26.02.2025 | Train |
| 10425 | A | Press the button 54S3 to end PEA communication                         |  | OK |  | Hlawulani Nick<br>Mabundzane<br>418320<br>26.02.2025 | Train |
| 10426 | I | Passenger Emergency Alarm 3 (PEA 44S13) on M3                          |  | OK |  | Hlawulani Nick<br>Mabundzane<br>418320<br>26.02.2025 | Train |
| 10427 | A | Pull the PEA                                                           |  | OK |  | Hlawulani Nick<br>Mabundzane<br>418320<br>26.02.2025 | Train |
| 10428 | R | "Wait/Talk" lamp is BLINKING ORANGE on PEI                             |  | OK |  | Hlawulani Nick<br>Mabundzane<br>418320<br>26.02.2025 | Train |
| 10429 | R | A CCTV footage of M3 camera 1 and 2 can be seen on the Driver's screen |  | OK |  | Hlawulani Nick<br>Mabundzane<br>418320<br>26.02.2025 | Train |

|       |   |                                                                        |  |    |  |                                                      |       |
|-------|---|------------------------------------------------------------------------|--|----|--|------------------------------------------------------|-------|
| 10430 | A | Press the button 54S3 to acknowledge PEA communication request         |  | OK |  | Hlawulani Nick<br>Mabundzane<br>418320<br>26.02.2025 | Train |
| 10431 | A | Press and hold button 54S4 on TC1 and talk on the microphone           |  | OK |  | Hlawulani Nick<br>Mabundzane<br>418320<br>26.02.2025 | Train |
| 10432 | R | The person in the cabin can be heard from the PEI speaker              |  | OK |  | Hlawulani Nick<br>Mabundzane<br>418320<br>26.02.2025 | Train |
| 10433 | A | Respond by talking back via the PEI                                    |  | OK |  | Hlawulani Nick<br>Mabundzane<br>418320<br>26.02.2025 | Train |
| 10434 | R | Communication is established between PEI and Driver cab                |  | OK |  | Hlawulani Nick<br>Mabundzane<br>418320<br>26.02.2025 | Train |
| 10435 | A | Press the button 54S3 to end PEA communication                         |  | OK |  | Hlawulani Nick<br>Mabundzane<br>418320<br>26.02.2025 | Train |
| 10436 | I | Passenger Emergency Alarm 4 (PEA 44S14) on M3                          |  | OK |  | Hlawulani Nick<br>Mabundzane<br>418320<br>26.02.2025 | Train |
| 10437 | A | Pull the PEA                                                           |  | OK |  | Hlawulani Nick<br>Mabundzane<br>418320<br>26.02.2025 | Train |
| 10438 | R | "Wait/Talk" lamp is BLINKING ORANGE on PEI                             |  | OK |  | Hlawulani Nick<br>Mabundzane<br>418320<br>26.02.2025 | Train |
| 10439 | R | A CCTV footage of M3 camera 1 and 2 can be seen on the Driver's screen |  | OK |  | Hlawulani Nick<br>Mabundzane<br>418320<br>26.02.2025 | Train |
| 10440 | A | Press the button 54S3 to acknowledge PEA communication request         |  | OK |  | Hlawulani Nick<br>Mabundzane<br>418320<br>26.02.2025 | Train |
| 10441 | A | Press and hold button 54S4 on TC1 and talk on the microphone           |  | OK |  | Hlawulani Nick<br>Mabundzane<br>418320<br>26.02.2025 | Train |
| 10442 | R | The person in the cabin can be heard from the PEI speaker              |  | OK |  | Hlawulani Nick<br>Mabundzane<br>418320<br>26.02.2025 | Train |
| 10443 | A | Respond by talking back via the PEI                                    |  | OK |  | Hlawulani Nick<br>Mabundzane<br>418320<br>26.02.2025 | Train |

|       |   |                                                                        |  |    |  |                                                   |       |
|-------|---|------------------------------------------------------------------------|--|----|--|---------------------------------------------------|-------|
| 10444 | R | Communication is established between PEI and Driver cab                |  | OK |  | Hlawulani Nick Mabundzane<br>418320<br>26.02.2025 | Train |
| 10445 | A | Press the button 54S3 to end PEA communication                         |  | OK |  | Hlawulani Nick Mabundzane<br>418320<br>26.02.2025 | Train |
| 10446 | I | Passenger Emergency Alarm 5 (PEA 44S15) on M3                          |  | OK |  | Hlawulani Nick Mabundzane<br>418320<br>26.02.2025 | Train |
| 10447 | A | Pull the PEA                                                           |  | OK |  | Hlawulani Nick Mabundzane<br>418320<br>26.02.2025 | Train |
| 10448 | R | "Wait/Talk" lamp is BLINKING ORANGE on PEI                             |  | OK |  | Hlawulani Nick Mabundzane<br>418320<br>26.02.2025 | Train |
| 10449 | R | A CCTV footage of M3 camera 1 and 2 can be seen on the Driver's screen |  | OK |  | Hlawulani Nick Mabundzane<br>418320<br>26.02.2025 | Train |
| 10450 | A | Press the button 54S3 to acknowledge PEA communication request         |  | OK |  | Hlawulani Nick Mabundzane<br>418320<br>26.02.2025 | Train |
| 10451 | A | Press and hold button 54S4 on TC1 and talk on the microphone           |  | OK |  | Hlawulani Nick Mabundzane<br>418320<br>26.02.2025 | Train |
| 10452 | R | The person in the cabin can be heard from the PEI speaker              |  | OK |  | Hlawulani Nick Mabundzane<br>418320<br>26.02.2025 | Train |
| 10453 | A | Respond by talking back via the PEI                                    |  | OK |  | Hlawulani Nick Mabundzane<br>418320<br>26.02.2025 | Train |
| 10454 | R | Communication is established between PEI and Driver cab                |  | OK |  | Hlawulani Nick Mabundzane<br>418320<br>26.02.2025 | Train |
| 10455 | A | Press the button 54S3 to end PEA communication                         |  | OK |  | Hlawulani Nick Mabundzane<br>418320<br>26.02.2025 | Train |
| 10456 | I | Passenger Emergency Alarm 6 (PEA 44S16) on M3                          |  | OK |  | Hlawulani Nick Mabundzane<br>418320<br>26.02.2025 | Train |
| 10457 | A | Pull the PEA                                                           |  | OK |  | Hlawulani Nick Mabundzane<br>418320<br>26.02.2025 | Train |

|       |   |                                                                        |  |    |   |                                                      |       |
|-------|---|------------------------------------------------------------------------|--|----|---|------------------------------------------------------|-------|
| 10458 | R | "Wait/Talk" lamp is BLINKING ORANGE on PEI                             |  | OK |   | Hlawulani Nick<br>Mabundzane<br>418320<br>26.02.2025 | Train |
| 10459 | R | A CCTV footage of M3 camera 1 and 2 can be seen on the Driver's screen |  | OK |   | Hlawulani Nick<br>Mabundzane<br>418320<br>26.02.2025 | Train |
| 10460 | A | Press the button 54S3 to acknowledge PEA communication request         |  | OK |   | Hlawulani Nick<br>Mabundzane<br>418320<br>26.02.2025 | Train |
| 10461 | A | Press and hold button 54S4 on TC1 and talk on the microphone           |  | OK |   | Hlawulani Nick<br>Mabundzane<br>418320<br>26.02.2025 | Train |
| 10462 | R | The person in the cabin can be heard from the PEI speaker              |  | OK |   | Hlawulani Nick<br>Mabundzane<br>418320<br>26.02.2025 | Train |
| 10463 | A | Respond by talking back via the PEI                                    |  | OK |   | Hlawulani Nick<br>Mabundzane<br>418320<br>26.02.2025 | Train |
| 10464 | R | Communication is established between PEI and Driver cab                |  | OK |   | Hlawulani Nick<br>Mabundzane<br>418320<br>26.02.2025 | Train |
| 10465 | A | Press the button 54S3 to end PEA communication                         |  | OK |   | Hlawulani Nick<br>Mabundzane<br>418320<br>26.02.2025 | Train |
| 10466 | R | Read Defined Variable [TT]<br>(MPU1)Li_UBK_M3StateResetPea = 1.0       |  | OK | 1 | Hlawulani Nick<br>Mabundzane<br>418320<br>26.02.2025 | Train |
| 10467 | A | Reset PEA using switch 44S6                                            |  | OK |   | Hlawulani Nick<br>Mabundzane<br>418320<br>26.02.2025 | Train |
| 10468 | R | Read Defined Variable [TT]<br>(MPU1)Li_UBK_M3StateResetPea = 0.0       |  | OK | 0 | Hlawulani Nick<br>Mabundzane<br>418320<br>26.02.2025 | Train |
| 10469 | R | All M3 PEAs are reset                                                  |  | OK |   | Hlawulani Nick<br>Mabundzane<br>418320<br>26.02.2025 | Train |
| 10470 | I | Passenger Emergency Alarm 1 (PEA 44S11) on TC2                         |  | OK |   | Hlawulani Nick<br>Mabundzane<br>418320<br>26.02.2025 | Train |
| 10471 | A | Pull the PEA                                                           |  | OK |   | Hlawulani Nick<br>Mabundzane<br>418320<br>26.02.2025 | Train |

|       |   |                                                                         |  |    |  |                                                      |       |
|-------|---|-------------------------------------------------------------------------|--|----|--|------------------------------------------------------|-------|
| 10472 | R | "Wait/Talk" lamp is BLINKING ORANGE on PEI                              |  | OK |  | Hlawulani Nick<br>Mabundzane<br>418320<br>26.02.2025 | Train |
| 10473 | R | A CCTV footage of TC2 camera 1 and 2 can be seen on the Driver's screen |  | OK |  | Hlawulani Nick<br>Mabundzane<br>418320<br>26.02.2025 | Train |
| 10474 | A | Press the button 54S3 to acknowledge PEA communication request          |  | OK |  | Hlawulani Nick<br>Mabundzane<br>418320<br>26.02.2025 | Train |
| 10475 | A | Press and hold button 54S4 on TC1 and talk on the microphone            |  | OK |  | Hlawulani Nick<br>Mabundzane<br>418320<br>26.02.2025 | Train |
| 10476 | R | The person in the cabin can be heard from the PEI speaker               |  | OK |  | Hlawulani Nick<br>Mabundzane<br>418320<br>26.02.2025 | Train |
| 10477 | A | Respond by talking back via the PEI                                     |  | OK |  | Hlawulani Nick<br>Mabundzane<br>418320<br>26.02.2025 | Train |
| 10478 | R | Communication is established between PEI and Driver cab                 |  | OK |  | Hlawulani Nick<br>Mabundzane<br>418320<br>26.02.2025 | Train |
| 10479 | A | Press the button 54S3 to end PEA communication                          |  | OK |  | Hlawulani Nick<br>Mabundzane<br>418320<br>26.02.2025 | Train |
| 10480 | I | Passenger Emergency Alarm 2 (PEA 44S12) on TC2                          |  | OK |  | Hlawulani Nick<br>Mabundzane<br>418320<br>26.02.2025 | Train |
| 10481 | A | Pull the PEA                                                            |  | OK |  | Hlawulani Nick<br>Mabundzane<br>418320<br>26.02.2025 | Train |
| 10482 | R | "Wait/Talk" lamp is BLINKING ORANGE on PEI                              |  | OK |  | Hlawulani Nick<br>Mabundzane<br>418320<br>26.02.2025 | Train |
| 10483 | R | A CCTV footage of TC2 camera 1 and 2 can be seen on the Driver's screen |  | OK |  | Hlawulani Nick<br>Mabundzane<br>418320<br>26.02.2025 | Train |
| 10484 | A | Press the button 54S3 to acknowledge PEA communication request          |  | OK |  | Hlawulani Nick<br>Mabundzane<br>418320<br>26.02.2025 | Train |
| 10485 | A | Press and hold button 54S4 on TC1 and talk on the microphone            |  | OK |  | Hlawulani Nick<br>Mabundzane<br>418320<br>26.02.2025 | Train |

|       |   |                                                                         |  |    |  |                                                   |       |
|-------|---|-------------------------------------------------------------------------|--|----|--|---------------------------------------------------|-------|
| 10486 | R | The person in the cabin can be heard from the PEI speaker               |  | OK |  | Hlawulani Nick Mabundzane<br>418320<br>26.02.2025 | Train |
| 10487 | A | Respond by talking back via the PEI                                     |  | OK |  | Hlawulani Nick Mabundzane<br>418320<br>26.02.2025 | Train |
| 10488 | R | Communication is established between PEI and Driver cab                 |  | OK |  | Hlawulani Nick Mabundzane<br>418320<br>26.02.2025 | Train |
| 10489 | A | Press the button 54S3 to end PEA communication                          |  | OK |  | Hlawulani Nick Mabundzane<br>418320<br>26.02.2025 | Train |
| 10490 | I | Passenger Emergency Alarm 3 (PEA 44S13) on TC2                          |  | OK |  | Hlawulani Nick Mabundzane<br>418320<br>26.02.2025 | Train |
| 10491 | A | Pull the PEA                                                            |  | OK |  | Hlawulani Nick Mabundzane<br>418320<br>26.02.2025 | Train |
| 10492 | R | "Wait/Talk" lamp is BLINKING ORANGE on PEI                              |  | OK |  | Hlawulani Nick Mabundzane<br>418320<br>26.02.2025 | Train |
| 10493 | R | A CCTV footage of TC2 camera 1 and 2 can be seen on the Driver's screen |  | OK |  | Hlawulani Nick Mabundzane<br>418320<br>26.02.2025 | Train |
| 10494 | A | Press the button 54S3 to acknowledge PEA communication request          |  | OK |  | Hlawulani Nick Mabundzane<br>418320<br>26.02.2025 | Train |
| 10495 | A | Press and hold button 54S4 on TC1 and talk on the microphone            |  | OK |  | Hlawulani Nick Mabundzane<br>418320<br>26.02.2025 | Train |
| 10496 | R | The person in the cabin can be heard from the PEI speaker               |  | OK |  | Hlawulani Nick Mabundzane<br>418320<br>26.02.2025 | Train |
| 10497 | A | Respond by talking back via the PEI                                     |  | OK |  | Hlawulani Nick Mabundzane<br>418320<br>26.02.2025 | Train |
| 10498 | R | Communication is established between PEI and Driver cab                 |  | OK |  | Hlawulani Nick Mabundzane<br>418320<br>26.02.2025 | Train |
| 10499 | A | Press the button 54S3 to end PEA communication                          |  | OK |  | Hlawulani Nick Mabundzane<br>418320<br>26.02.2025 | Train |

|       |   |                                                                         |  |    |  |                                                      |       |
|-------|---|-------------------------------------------------------------------------|--|----|--|------------------------------------------------------|-------|
| 10500 | I | Passenger Emergency Alarm 4 (PEA 44S14) on TC2                          |  | OK |  | Hlawulani Nick<br>Mabundzane<br>418320<br>26.02.2025 | Train |
| 10501 | A | Pull the PEA                                                            |  | OK |  | Hlawulani Nick<br>Mabundzane<br>418320<br>26.02.2025 | Train |
| 10502 | R | "Wait/Talk" lamp is BLINKING ORANGE on PEI                              |  | OK |  | Hlawulani Nick<br>Mabundzane<br>418320<br>26.02.2025 | Train |
| 10503 | R | A CCTV footage of TC2 camera 1 and 2 can be seen on the Driver's screen |  | OK |  | Hlawulani Nick<br>Mabundzane<br>418320<br>26.02.2025 | Train |
| 10504 | A | Press the button 54S3 to acknowledge PEA communication request          |  | OK |  | Hlawulani Nick<br>Mabundzane<br>418320<br>26.02.2025 | Train |
| 10505 | A | Press and hold button 54S4 on TC1 and talk on the microphone            |  | OK |  | Hlawulani Nick<br>Mabundzane<br>418320<br>26.02.2025 | Train |
| 10506 | R | The person in the cabin can be heard from the PEI speaker               |  | OK |  | Hlawulani Nick<br>Mabundzane<br>418320<br>26.02.2025 | Train |
| 10507 | A | Respond by talking back via the PEI                                     |  | OK |  | Hlawulani Nick<br>Mabundzane<br>418320<br>26.02.2025 | Train |
| 10508 | R | Communication is established between PEI and Driver cab                 |  | OK |  | Hlawulani Nick<br>Mabundzane<br>418320<br>26.02.2025 | Train |
| 10509 | A | Press the button 54S3 to end PEA communication                          |  | OK |  | Hlawulani Nick<br>Mabundzane<br>418320<br>26.02.2025 | Train |
| 10510 | I | Passenger Emergency Alarm 5 (PEA 44S15) on TC2                          |  | OK |  | Hlawulani Nick<br>Mabundzane<br>418320<br>26.02.2025 | Train |
| 10511 | A | Pull the PEA                                                            |  | OK |  | Hlawulani Nick<br>Mabundzane<br>418320<br>26.02.2025 | Train |
| 10512 | R | "Wait/Talk" lamp is BLINKING ORANGE on PEI                              |  | OK |  | Hlawulani Nick<br>Mabundzane<br>418320<br>26.02.2025 | Train |
| 10513 | R | A CCTV footage of TC2 camera 1 and 2 can be seen on the Driver's screen |  | OK |  | Hlawulani Nick<br>Mabundzane<br>418320<br>26.02.2025 | Train |



|       |   |                                                                         |  |    |  |                                                      |       |
|-------|---|-------------------------------------------------------------------------|--|----|--|------------------------------------------------------|-------|
| 10514 | A | Press the button 54S3 to acknowledge PEA communication request          |  | OK |  | Hlawulani Nick<br>Mabundzane<br>418320<br>26.02.2025 | Train |
| 10515 | A | Press and hold button 54S4 on TC1 and talk on the microphone            |  | OK |  | Hlawulani Nick<br>Mabundzane<br>418320<br>26.02.2025 | Train |
| 10516 | R | The person in the cabin can be heard from the PEI speaker               |  | OK |  | Hlawulani Nick<br>Mabundzane<br>418320<br>26.02.2025 | Train |
| 10517 | A | Respond by talking back via the PEI                                     |  | OK |  | Hlawulani Nick<br>Mabundzane<br>418320<br>26.02.2025 | Train |
| 10518 | R | Communication is established between PEI and Driver cab                 |  | OK |  | Hlawulani Nick<br>Mabundzane<br>418320<br>26.02.2025 | Train |
| 10519 | A | Press the button 54S3 to end PEA communication                          |  | OK |  | Hlawulani Nick<br>Mabundzane<br>418320<br>26.02.2025 | Train |
| 10520 | I | Passenger Emergency Alarm 6 (PEA 44S16) on TC2                          |  | OK |  | Hlawulani Nick<br>Mabundzane<br>418320<br>26.02.2025 | Train |
| 10521 | A | Pull the PEA                                                            |  | OK |  | Hlawulani Nick<br>Mabundzane<br>418320<br>26.02.2025 | Train |
| 10522 | R | "Wait/Talk" lamp is BLINKING ORANGE on PEI                              |  | OK |  | Hlawulani Nick<br>Mabundzane<br>418320<br>26.02.2025 | Train |
| 10523 | R | A CCTV footage of TC2 camera 1 and 2 can be seen on the Driver's screen |  | OK |  | Hlawulani Nick<br>Mabundzane<br>418320<br>26.02.2025 | Train |
| 10524 | A | Press the button 54S3 to acknowledge PEA communication request          |  | OK |  | Hlawulani Nick<br>Mabundzane<br>418320<br>26.02.2025 | Train |
| 10525 | A | Press and hold button 54S4 on TC1 and talk on the microphone            |  | OK |  | Hlawulani Nick<br>Mabundzane<br>418320<br>26.02.2025 | Train |
| 10526 | R | The person in the cabin can be heard from the PEI speaker               |  | OK |  | Hlawulani Nick<br>Mabundzane<br>418320<br>26.02.2025 | Train |
| 10527 | A | Respond by talking back via the PEI                                     |  | OK |  | Hlawulani Nick<br>Mabundzane<br>418320<br>26.02.2025 | Train |

|       |   |                                                                         |  |    |  |                                                   |       |
|-------|---|-------------------------------------------------------------------------|--|----|--|---------------------------------------------------|-------|
| 10528 | R | Communication is established between PEI and Driver cab                 |  | OK |  | Hlawulani Nick Mabundzane<br>418320<br>26.02.2025 | Train |
| 10529 | A | Press the button 54S3 to end PEA communication                          |  | OK |  | Hlawulani Nick Mabundzane<br>418320<br>26.02.2025 | Train |
| 10530 | I | Call for Aid (CFA 54S5) on TC2                                          |  | OK |  | Hlawulani Nick Mabundzane<br>418320<br>26.02.2025 | Train |
| 10531 | A | Press the SOS button 54S5                                               |  | OK |  | Hlawulani Nick Mabundzane<br>418320<br>26.02.2025 | Train |
| 10532 | R | Button lamp 54S5 is ON                                                  |  | OK |  | Hlawulani Nick Mabundzane<br>418320<br>26.02.2025 | Train |
| 10533 | R | No sound can be heard in all saloon speakers                            |  | OK |  | Hlawulani Nick Mabundzane<br>418320<br>26.02.2025 | Train |
| 10534 | R | Displays INT1 and INT2 indicate "Call for AID" in all saloon cars       |  | OK |  | Hlawulani Nick Mabundzane<br>418320<br>26.02.2025 | Train |
| 10535 | R | Lateral displays LAT1 and LAT2 indicate "Call for AID" on TC2           |  | OK |  | Hlawulani Nick Mabundzane<br>418320<br>26.02.2025 | Train |
| 10536 | R | A CCTV footage of TC2 camera 1 and 2 can be seen on the Driver's screen |  | OK |  | Hlawulani Nick Mabundzane<br>418320<br>26.02.2025 | Train |
| 10537 | A | Press the button 54S3 to acknowledge SOS communication request          |  | OK |  | Hlawulani Nick Mabundzane<br>418320<br>26.02.2025 | Train |
| 10538 | A | Press and hold button 54S4 on TC1 and talk on the microphone            |  | OK |  | Hlawulani Nick Mabundzane<br>418320<br>26.02.2025 | Train |
| 10539 | R | The person in the cabin can be heard from the PEI speaker               |  | OK |  | Hlawulani Nick Mabundzane<br>418320<br>26.02.2025 | Train |
| 10540 | A | Respond by talking back via the PEI near 54S5                           |  | OK |  | Hlawulani Nick Mabundzane<br>418320<br>26.02.2025 | Train |
| 10541 | R | Communication is established between PEI and Driver cab                 |  | OK |  | Hlawulani Nick Mabundzane<br>418320<br>26.02.2025 | Train |

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|-------|---|---------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|----|---|---------------------------------------------------|-------|
| 10542 | A | Press the button 54S3 to end PEA communication                                                                                              |                                                                                     | OK |   | Hlawulani Nick Mabundzane<br>418320<br>26.02.2025 | Train |
| 10543 | A | Open and close doors left and right doors                                                                                                   |                                                                                     | OK |   | Hlawulani Nick Mabundzane<br>418320<br>26.02.2025 | Train |
| 10544 | R | All doors are closed and in blue colour on DDU                                                                                              |                                                                                     | OK |   | Hlawulani Nick Mabundzane<br>418320<br>26.02.2025 | Train |
| 10545 | I | PEAs functional Test from TC2 cab                                                                                                           |                                                                                     | OK |   | Hlawulani Nick Mabundzane<br>418320<br>26.02.2025 | Train |
| 10546 | I | This is a quick test to verify that all PEAs work and can be reset from TC2                                                                 |                                                                                     | OK |   | Hlawulani Nick Mabundzane<br>418320<br>26.02.2025 | Train |
| 10547 | A | Insert Driver's Key and turn to ON position                                                                                                 |                                                                                     | OK |   | Hlawulani Nick Mabundzane<br>418320<br>26.02.2025 | Train |
| 10548 | A | Login as Driver using the code 70787878                                                                                                     |                                                                                     | OK |   | Hlawulani Nick Mabundzane<br>418320<br>26.02.2025 | Train |
| 10549 | R | Read Defined Variable [TT]<br>(MPU1)li_dor_tc2alldoorsclosedr1 = 0.0                                                                        |                                                                                     | OK | 0 | Hlawulani Nick Mabundzane<br>418320<br>26.02.2025 | Train |
| 10550 | R |                                                                                                                                             |  | OK |   | Hlawulani Nick Mabundzane<br>418320<br>26.02.2025 | Train |
| 10551 | A | Pull all the PEAs on Train                                                                                                                  |                                                                                     | OK |   | Hlawulani Nick Mabundzane<br>418320<br>26.02.2025 | Train |
| 10552 | R |                                                                                                                                             |  | OK |   | Hlawulani Nick Mabundzane<br>418320<br>26.02.2025 | Train |
| 10553 | R | Read Defined Variable [TT]<br>(MPU1)li_dor_tc2alldoorsclosedr1 = 1.0                                                                        |                                                                                     | OK | 1 | Hlawulani Nick Mabundzane<br>418320<br>26.02.2025 | Train |
| 10554 | R |                                                                                                                                             |  | OK |   | Hlawulani Nick Mabundzane<br>418320<br>26.02.2025 | Train |
| 10555 | A | Press the button 54S3 to acknowledge PEA communication request, continue to press the button until all but one PEAs have been acknowledged. |                                                                                     | OK |   | Hlawulani Nick Mabundzane<br>418320<br>26.02.2025 | Train |

|       |   |                                                                                                |                                                                                     |    |   |                                                      |       |
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| 10556 | R | Lamp 44H1 is ON                                                                                |    | OK |   | Hlawulani Nick<br>Mabundzane<br>418320<br>26.02.2025 | Train |
| 10557 | R | Read Defined Variable [TT]<br>(MPU1)li_ubk_tc2pealoo = 1.0                                     |                                                                                     | OK | 1 | Hlawulani Nick<br>Mabundzane<br>418320<br>26.02.2025 | Train |
| 10558 | A | Press and hold the button 54S4 while<br>talking on the microphone                              |                                                                                     | OK |   | Hlawulani Nick<br>Mabundzane<br>418320<br>26.02.2025 | Train |
| 10559 | R | The person in the cabin can be heard from<br>the PEI speaker                                   |                                                                                     | OK |   | Hlawulani Nick<br>Mabundzane<br>418320<br>26.02.2025 | Train |
| 10560 | I | It is not necessary to perform step below<br>for all PEAs, one PEA is sufficient               |                                                                                     | OK |   | Hlawulani Nick<br>Mabundzane<br>418320<br>26.02.2025 | Train |
| 10561 | A | Respond by talking back via the PEI                                                            |                                                                                     | OK |   | Hlawulani Nick<br>Mabundzane<br>418320<br>26.02.2025 | Train |
| 10562 | R | Communication is established between<br>PEI and Driver cab                                     |                                                                                     | OK |   | Hlawulani Nick<br>Mabundzane<br>418320<br>26.02.2025 | Train |
| 10563 | A | Reset all PEAs at using switch 44S6                                                            |                                                                                     | OK |   | Hlawulani Nick<br>Mabundzane<br>418320<br>26.02.2025 | Train |
| 10564 | R | All PEAs are reset, and a click sound can<br>be heard while PEA returns to its normal<br>state |                                                                                     | OK |   | Hlawulani Nick<br>Mabundzane<br>418320<br>26.02.2025 | Train |
| 10565 | A | Open and close doors left and right doors                                                      |                                                                                     | OK |   | Hlawulani Nick<br>Mabundzane<br>418320<br>26.02.2025 | Train |
| 10566 | R | All doors are closed and in blue colour on<br>DDU                                              |  | OK |   | Hlawulani Nick<br>Mabundzane<br>418320<br>26.02.2025 | Train |
| 10567 | R | Lamp 44H1 is OFF                                                                               |                                                                                     | OK |   | Hlawulani Nick<br>Mabundzane<br>418320<br>26.02.2025 | Train |
| 10568 | R | No message on Pacis displays                                                                   |                                                                                     | OK |   | Hlawulani Nick<br>Mabundzane<br>418320<br>26.02.2025 | Train |
| 10569 | R | Read Defined Variable [TT]<br>(MPU1)li_ubk_tc2pealoo = 0.0                                     |                                                                                     | OK | 0 | Hlawulani Nick<br>Mabundzane<br>418320<br>26.02.2025 | Train |

|       |   |                                                                                    |                                                                                   |    |   |                                                   |       |
|-------|---|------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|----|---|---------------------------------------------------|-------|
| 10570 | R | No CCTV footage showing on Driver's screen                                         |                                                                                   | OK |   | Hlawulani Nick Mabundzane<br>418320<br>26.02.2025 | Train |
| 10571 | A | On the Event screen, check that there are no IOS related to doors or PEAs recorded |                                                                                   | OK |   | Hlawulani Nick Mabundzane<br>418320<br>26.02.2025 | Train |
| 10572 | R | After test is completed, the DDU PEA screen should be as shown                     |  | OK |   | Hlawulani Nick Mabundzane<br>418320<br>26.02.2025 | Train |
| 10573 | A | Repeat this test for 4 times                                                       |                                                                                   | OK |   | Hlawulani Nick Mabundzane<br>418320<br>26.02.2025 | Train |
| 10574 | R | 1st attempt passed                                                                 |                                                                                   | OK |   | Hlawulani Nick Mabundzane<br>418320<br>26.02.2025 | Train |
| 10575 | R | 2nd attempt passed                                                                 |                                                                                   | OK |   | Hlawulani Nick Mabundzane<br>418320<br>26.02.2025 | Train |
| 10576 | R | 3rd attempt passed                                                                 |                                                                                   | OK |   | Hlawulani Nick Mabundzane<br>418320<br>26.02.2025 | Train |
| 10577 | R | 4th attempt passed                                                                 |                                                                                   | OK |   | Hlawulani Nick Mabundzane<br>418320<br>26.02.2025 | Train |
| 10578 | I | Public Announcements TC2                                                           |                                                                                   | OK |   | Nqobile Chirwa<br>484648<br>25.02.2025            | Train |
| 10579 | R | Read Defined Variable [TT]<br>(MPU1)Lo_PIS_Tc2DduPaPbR1 = 0.0                      |                                                                                   | OK | 0 | Nqobile Chirwa<br>484648<br>25.02.2025            | Train |
| 10580 | R | Read Defined Variable [TT]<br>(MPU1)Lo_PIS_Tc2DduPaPbR2 = 0.0                      |                                                                                   | OK | 0 | Nqobile Chirwa<br>484648<br>25.02.2025            | Train |
| 10581 | A | Pulse the switch 54S1 to the right to activate PA announcement                     |                                                                                   | OK |   | Nqobile Chirwa<br>484648<br>25.02.2025            | Train |
| 10582 | R | Green lamp 54H2 is ON                                                              |                                                                                   | OK |   | Nqobile Chirwa<br>484648<br>25.02.2025            | Train |
| 10583 | R | A beep sound can be heard in all saloon speakers                                   |                                                                                   | OK |   | Nqobile Chirwa<br>484648<br>25.02.2025            | Train |
| 10584 | R | On Driver's screen (Home Page), PA activation message is displayed                 |                                                                                   | OK |   | Nqobile Chirwa<br>484648<br>25.02.2025            | Train |
| 10585 | A | Press the button 54S4 and hold it while talking via the microphone                 |                                                                                   | OK |   | Nqobile Chirwa<br>484648<br>25.02.2025            | Train |

|       |   |                                                                                                                                                             |                                                                                   |    |   |                                        |       |
|-------|---|-------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|----|---|----------------------------------------|-------|
| 10586 | R | Announcement can be heard in saloon speakers of all cars                                                                                                    |                                                                                   | OK |   | Nqobile Chirwa<br>484648<br>25.02.2025 | Train |
| 10587 | A | Release the button 54S4                                                                                                                                     |                                                                                   | OK |   | Nqobile Chirwa<br>484648<br>25.02.2025 | Train |
| 10588 | A | Talk on the microphone                                                                                                                                      |                                                                                   | OK |   | Nqobile Chirwa<br>484648<br>25.02.2025 | Train |
| 10589 | R | No sound can be heard in all cars                                                                                                                           |                                                                                   | OK |   | Nqobile Chirwa<br>484648<br>25.02.2025 | Train |
| 10590 | A | Pulse the switch 54S1 to the right to de-activate PA announcement                                                                                           |                                                                                   | OK |   | Nqobile Chirwa<br>484648<br>25.02.2025 | Train |
| 10591 | A | Green lamp 54H2 is OFF                                                                                                                                      |  | OK |   | Nqobile Chirwa<br>484648<br>25.02.2025 | Train |
| 10592 | A | On the driver's screen (Image above) select the "Public Address" virtual button. (NOTE variables below should be read immediately -they last for 2 seconds) |                                                                                   | OK |   | Nqobile Chirwa<br>484648<br>25.02.2025 | Train |
| 10593 | R | Read Defined Variable [TT]<br>(MPU1)Lo_PIS_Tc2DduPaPbR1 = 1.0                                                                                               |                                                                                   | OK | 1 | Nqobile Chirwa<br>484648<br>25.02.2025 | Train |
| 10594 | R | Read Defined Variable [TT]<br>(MPU1)Lo_PIS_Tc2DduPaPbR2 = 1.0                                                                                               |                                                                                   | OK | 1 | Nqobile Chirwa<br>484648<br>25.02.2025 | Train |
| 10595 | R | Green lamp 54H2 is ON                                                                                                                                       |                                                                                   | OK |   | Nqobile Chirwa<br>484648<br>25.02.2025 | Train |
| 10596 | R | PA announcement is activated                                                                                                                                |                                                                                   | OK |   | Nqobile Chirwa<br>484648<br>25.02.2025 | Train |
| 10597 | A | On the driver's screen (Home Page) select the "Public Address" virtual button to end communication                                                          |                                                                                   | OK |   | Nqobile Chirwa<br>484648<br>25.02.2025 | Train |
| 10598 | R | Read Defined Variable [TT]<br>(MPU1)Lo_PIS_Tc2DduPaPbR1 = 0.0                                                                                               |                                                                                   | OK | 0 | Nqobile Chirwa<br>484648<br>25.02.2025 | Train |
| 10599 | R | Read Defined Variable [TT]<br>(MPU1)Lo_PIS_Tc2DduPaPbR2 = 0.0                                                                                               |                                                                                   | OK | 0 | Nqobile Chirwa<br>484648<br>25.02.2025 | Train |
| 10600 | R | Green lamp 54H2 is OFF                                                                                                                                      |                                                                                   | OK |   | Nqobile Chirwa<br>484648<br>25.02.2025 | Train |
| 10601 | I | PA announcement is de-activated                                                                                                                             |                                                                                   | OK |   | Nqobile Chirwa<br>484648<br>25.02.2025 | Train |
| 10602 | A | Press the button 54S4 and hold it while talking on the microphone                                                                                           |                                                                                   | OK |   | Nqobile Chirwa<br>484648<br>25.02.2025 | Train |
| 10603 | R | Sound cannot be heard in all speakers                                                                                                                       |                                                                                   | OK |   | Nqobile Chirwa<br>484648               | Train |

|       |   |                                                                                                                                                  |                                                                                   |    |  |                                                      |       |
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|       |   |                                                                                                                                                  |                                                                                   |    |  | 25.02.2025                                           |       |
| 10604 | A | Release the button 54S4                                                                                                                          |                                                                                   | OK |  | Nqobile Chirwa<br>484648<br>25.02.2025               | Train |
| 10605 | A | Remove active cab on TC1                                                                                                                         |                                                                                   | OK |  | Nqobile Chirwa<br>484648<br>25.02.2025               | Train |
| 10606 | A | Pulse the switch 54S1 to the right to activate PA announcement                                                                                   |                                                                                   | OK |  | Nqobile Chirwa<br>484648<br>25.02.2025               | Train |
| 10607 | R | Green lamp 54H2 is OFF                                                                                                                           |                                                                                   | OK |  | Nqobile Chirwa<br>484648<br>25.02.2025               | Train |
| 10608 | R | No PA announcement activation showing on the Driver's screen                                                                                     |                                                                                   | OK |  | Nqobile Chirwa<br>484648<br>25.02.2025               | Train |
| 10609 | I | Ventilation Rack TC2                                                                                                                             |                                                                                   | OK |  | Hlawulani Nick<br>Mabundzane<br>418320<br>26.02.2025 | Train |
| 10610 | A | Follow the instruction below o how to test the ventilation rack                                                                                  |  | OK |  | Hlawulani Nick<br>Mabundzane<br>418320<br>26.02.2025 | Train |
| 10611 | R | All three fans of the ventilation rack are working                                                                                               |                                                                                   | OK |  | Hlawulani Nick<br>Mabundzane<br>418320<br>26.02.2025 | Train |
| 10612 | I | Pacis audio and displays test                                                                                                                    |                                                                                   | OK |  | Nqobile Chirwa<br>484648<br>27.02.2025               | Train |
| 10613 | I | This test is aimed at verifying that the Pacis system is working. This includes displays (all LEDs must be working in each display) and speakers |                                                                                   | OK |  | Nqobile Chirwa<br>484648<br>27.02.2025               | Train |
| 10614 | A | Launch the Pacis Test from the DDU                                                                                                               |                                                                                   | OK |  | Nqobile Chirwa<br>484648<br>27.02.2025               | Train |
| 10615 | R | All saloon speakers and displays are working on train                                                                                            |                                                                                   | OK |  | Nqobile Chirwa<br>484648<br>27.02.2025               | Train |
| 10616 | A | Stop the Pacis test                                                                                                                              |                                                                                   | OK |  | Nqobile Chirwa<br>484648<br>27.02.2025               | Train |
| 10617 | I | End of Test                                                                                                                                      |                                                                                   | OK |  | Nqobile Chirwa<br>484648<br>27.02.2025               | Train |



|                                                                               |                                                    |                             |
|-------------------------------------------------------------------------------|----------------------------------------------------|-----------------------------|
| Serial Tests Report<br>TS270 – TFS<br>RTR Train Functional Static Test Report | Document Reference<br>GIB0000007854<br>Version: A0 | Emission date<br>27/02/2025 |
|-------------------------------------------------------------------------------|----------------------------------------------------|-----------------------------|



## Section 29 – Dynamic Pre-Test

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### 29.1 Instructions list

### 29.1.1 Pre-DT-Pre-Test

I - Information      A - Action      R - Result      NE - Not Executed

| N°    | Type | Instruction                                                                                                                               | File | Result status | Result value | Operator                               | Vehicle |
|-------|------|-------------------------------------------------------------------------------------------------------------------------------------------|------|---------------|--------------|----------------------------------------|---------|
| 10001 | I    | Dynamic Pre-Test                                                                                                                          |      | OK            |              | Celiwe Sokhela<br>491462<br>24.02.2025 | Train   |
| 10002 | I    | Train Normalisation                                                                                                                       |      | OK            |              | Celiwe Sokhela<br>491462<br>24.02.2025 | Train   |
| 10003 | A    | Whilst checking the LV cubicles in each Car, also check the dataplug ground cables if they are secured and tightened                      |      | OK            |              | Celiwe Sokhela<br>491462<br>24.02.2025 | Train   |
| 10004 | I    | TC1                                                                                                                                       |      | OK            |              | Celiwe Sokhela<br>491462<br>24.02.2025 | Train   |
| 10005 | R    | ALL LV1.1 connectors are connected and tightly secured with screws                                                                        |      | OK            |              | Celiwe Sokhela<br>491462<br>24.02.2025 | Train   |
| 10006 | R    | ALL LV2.1 connectors are connected and tightly secured with screws                                                                        |      | OK            |              | Celiwe Sokhela<br>491462<br>24.02.2025 | Train   |
| 10007 | R    | ALL LV7 connectors are connected and tightly secured with screws                                                                          |      | OK            |              | Celiwe Sokhela<br>491462<br>24.02.2025 | Train   |
| 10008 | R    | ALL HVAC Cubicle connectors are connected and tightly secured with screws                                                                 |      | OK            |              | Celiwe Sokhela<br>491462<br>24.02.2025 | Train   |
| 10009 | R    | ALL underframe connectors are connected and tightly secured with screws                                                                   |      | OK            |              | Celiwe Sokhela<br>491462<br>24.02.2025 | Train   |
| 10010 | R    | ALL inter-car connectors are connected and tightly secured with screws                                                                    |      | OK            |              | Celiwe Sokhela<br>491462<br>24.02.2025 | Train   |
| 10011 | A    | Take note of the sensor grades captured on HVAC web portal for TC1 and compare them with the ones on the HVAC name plate (ceiling) of Tc1 |      | OK            |              | Celiwe Sokhela<br>491462<br>24.02.2025 | Train   |
| 10012 | R    | The values of the HVAC sensor grades are the same                                                                                         |      | OK            |              | Celiwe Sokhela<br>491462<br>24.02.2025 | Train   |
| 10013 | I    | M4                                                                                                                                        |      | OK            |              | Celiwe Sokhela<br>491462<br>24.02.2025 | Train   |
| 10014 | R    | ALL LV3 connectors are connected and tightly secured with screws                                                                          |      | OK            |              | Celiwe Sokhela<br>491462<br>24.02.2025 | Train   |

|       |   |                                                                                                                                         |  |    |  |                                        |       |
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| 10015 | R | ALL LV6 connectors are connected and tightly secured with screws                                                                        |  | OK |  | Celiwe Sokhela<br>491462<br>24.02.2025 | Train |
| 10016 | R | ALL HVAC Cubicle connectors are connected and tightly secured with screws                                                               |  | OK |  | Celiwe Sokhela<br>491462<br>24.02.2025 | Train |
| 10017 | R | ALL underframe connectors are connected and tightly secured with screws                                                                 |  | OK |  | Celiwe Sokhela<br>491462<br>24.02.2025 | Train |
| 10018 | R | ALL inter-car connectors are connected and tightly secured with screws                                                                  |  | OK |  | Celiwe Sokhela<br>491462<br>24.02.2025 | Train |
| 10019 | A | Take note of the sensor grades captured on HVAC web portal for M4 and compare them with the ones on the HVAC name plate (ceiling) of M4 |  | OK |  | Celiwe Sokhela<br>491462<br>24.02.2025 | Train |
| 10020 | R | The values of the HVAC sensor grades are the same                                                                                       |  | OK |  | Celiwe Sokhela<br>491462<br>24.02.2025 | Train |
| 10021 | I | M1                                                                                                                                      |  | OK |  | Celiwe Sokhela<br>491462<br>24.02.2025 | Train |
| 10022 | R | ALL LV3 connectors are connected and tightly secured with screws                                                                        |  | OK |  | Celiwe Sokhela<br>491462<br>24.02.2025 | Train |
| 10023 | R | ALL LV6 connectors are connected and tightly secured with screws                                                                        |  | OK |  | Celiwe Sokhela<br>491462<br>24.02.2025 | Train |
| 10024 | R | ALL HVAC Cubicle connectors are connected and tightly secured with screws                                                               |  | OK |  | Celiwe Sokhela<br>491462<br>24.02.2025 | Train |
| 10025 | R | ALL underframe connectors are connected and tightly secured with screws                                                                 |  | OK |  | Celiwe Sokhela<br>491462<br>24.02.2025 | Train |
| 10026 | R | ALL inter-car connectors are connected and tightly secured with screws                                                                  |  | OK |  | Celiwe Sokhela<br>491462<br>24.02.2025 | Train |
| 10027 | A | Take note of the sensor grades captured on HVAC web portal for M1 and compare them with the ones on the HVAC name plate (ceiling) of M1 |  | OK |  | Celiwe Sokhela<br>491462<br>24.02.2025 | Train |
| 10028 | R | The values of the HVAC sensor grades are the same                                                                                       |  | OK |  | Celiwe Sokhela<br>491462<br>24.02.2025 | Train |
| 10029 | I | M2                                                                                                                                      |  | OK |  | Celiwe Sokhela<br>491462<br>24.02.2025 | Train |
| 10030 | R | ALL LV3 connectors are connected and tightly secured with screws                                                                        |  | OK |  | Celiwe Sokhela<br>491462<br>24.02.2025 | Train |
| 10031 | R | ALL LV4 connectors are connected and tightly secured with screws                                                                        |  | OK |  | Celiwe Sokhela<br>491462<br>24.02.2025 | Train |

|       |   |                                                                                                                                         |  |    |  |                                        |       |
|-------|---|-----------------------------------------------------------------------------------------------------------------------------------------|--|----|--|----------------------------------------|-------|
| 10032 | R | ALL HVAC Cubicle connectors are connected and tightly secured with screws                                                               |  | OK |  | Celiwe Sokhela<br>491462<br>24.02.2025 | Train |
| 10033 | R | ALL underframe connectors are connected and tightly secured with screws                                                                 |  | OK |  | Celiwe Sokhela<br>491462<br>24.02.2025 | Train |
| 10034 | R | ALL inter-car connectors are connected and tightly secured with screws                                                                  |  | OK |  | Celiwe Sokhela<br>491462<br>24.02.2025 | Train |
| 10035 | A | Take note of the sensor grades captured on HVAC web portal for M2 and compare them with the ones on the HVAC name plate (ceiling) of M2 |  | OK |  | Celiwe Sokhela<br>491462<br>24.02.2025 | Train |
| 10036 | R | The values of the HVAC sensor grades are the same                                                                                       |  | OK |  | Celiwe Sokhela<br>491462<br>24.02.2025 | Train |
| 10037 | I | M3                                                                                                                                      |  | OK |  | Celiwe Sokhela<br>491462<br>24.02.2025 | Train |
| 10038 | R | ALL LV3 connectors are connected and tightly secured with screws                                                                        |  | OK |  | Celiwe Sokhela<br>491462<br>24.02.2025 | Train |
| 10039 | R | ALL LV6 connectors are connected and tightly secured with screws                                                                        |  | OK |  | Celiwe Sokhela<br>491462<br>24.02.2025 | Train |
| 10040 | R | ALL HVAC Cubicle connectors are connected and tightly secured with screws                                                               |  | OK |  | Celiwe Sokhela<br>491462<br>24.02.2025 | Train |
| 10041 | R | ALL underframe connectors are connected and tightly secured with screws                                                                 |  | OK |  | Celiwe Sokhela<br>491462<br>24.02.2025 | Train |
| 10042 | R | ALL inter-car connectors are connected and tightly secured with screws                                                                  |  | OK |  | Celiwe Sokhela<br>491462<br>24.02.2025 | Train |
| 10043 | A | Take note of the sensor grades captured on HVAC web portal for M3 and compare them with the ones on the HVAC name plate (ceiling) of M3 |  | OK |  | Celiwe Sokhela<br>491462<br>24.02.2025 | Train |
| 10044 | R | The values of the HVAC sensor grades are the same                                                                                       |  | OK |  | Celiwe Sokhela<br>491462<br>24.02.2025 | Train |
| 10045 | I | TC2                                                                                                                                     |  | OK |  | Celiwe Sokhela<br>491462<br>24.02.2025 | Train |
| 10046 | R | ALL LV1.2 connectors are connected and tightly secured with screws                                                                      |  | OK |  | Celiwe Sokhela<br>491462<br>24.02.2025 | Train |
| 10047 | R | ALL LV2.2 connectors are connected and tightly secured with screws                                                                      |  | OK |  | Celiwe Sokhela<br>491462<br>24.02.2025 | Train |
| 10048 | R | ALL LV7 connectors are connected and tightly secured with screws                                                                        |  | OK |  | Celiwe Sokhela<br>491462<br>24.02.2025 | Train |

|       |   |                                                                                                                                           |  |    |  |                                        |       |
|-------|---|-------------------------------------------------------------------------------------------------------------------------------------------|--|----|--|----------------------------------------|-------|
| 10049 | R | ALL HVAC Cubicle connectors are connected and tightly secured with screws                                                                 |  | OK |  | Celiwe Sokhela<br>491462<br>24.02.2025 | Train |
| 10050 | R | ALL underframe connectors are connected and tightly secured with screws                                                                   |  | OK |  | Celiwe Sokhela<br>491462<br>24.02.2025 | Train |
| 10051 | R | ALL inter-car connectors are connected and tightly secured with screws                                                                    |  | OK |  | Celiwe Sokhela<br>491462<br>24.02.2025 | Train |
| 10052 | A | Take note of the sensor grades captured on HVAC web portal for TC2 and compare them with the ones on the HVAC name plate (ceiling) of TC2 |  | OK |  | Celiwe Sokhela<br>491462<br>24.02.2025 | Train |
| 10053 | R | The values of the HVAC sensor grades are the same                                                                                         |  | OK |  | Celiwe Sokhela<br>491462<br>24.02.2025 | Train |
| 10054 | I | Brake Test                                                                                                                                |  | OK |  | Celiwe Sokhela<br>491462<br>24.02.2025 | Train |
| 10055 | A | Prepare the train in high voltage with active cab on TC1                                                                                  |  | OK |  | Celiwe Sokhela<br>491462<br>24.02.2025 | Train |
| 10056 | A | On the DDU test screen, run the BRAKE TEST by following the instructions on the screen                                                    |  | OK |  | Celiwe Sokhela<br>491462<br>24.02.2025 | Train |
| 10057 | R | After the BRAKE TEST is complete, all cars have passed                                                                                    |  | OK |  | Celiwe Sokhela<br>491462<br>24.02.2025 | Train |
| 10058 | A | Shut down the train by putting the battery contactor 18S1 in OFF position                                                                 |  | OK |  | Celiwe Sokhela<br>491462<br>24.02.2025 | Train |
| 10059 | I | Reduced Power Test                                                                                                                        |  | OK |  | Celiwe Sokhela<br>491462<br>24.02.2025 | Train |
| 10060 | A | Prepare the train in high voltage with active cab on TC1                                                                                  |  | OK |  | Celiwe Sokhela<br>491462<br>24.02.2025 | Train |
| 10061 | A | Set the Driving Mode Switch (30S1) to "DEPOT" position.                                                                                   |  | OK |  | Celiwe Sokhela<br>491462<br>24.02.2025 | Train |
| 10062 | A | Select the Reduced Power test on the DDU. (select one of the HV devices on the Home screen and access the Reduced Power Test)             |  | OK |  | Celiwe Sokhela<br>491462<br>24.02.2025 | Train |
| 10063 | A | Select a running direction (Forward or Reverse).                                                                                          |  | OK |  | Celiwe Sokhela<br>491462<br>24.02.2025 | Train |
| 10064 | I | REMEMBER TO PRESS THE DEAD MAN BUTTON OCCASIONALLY                                                                                        |  | OK |  | Celiwe Sokhela<br>491462<br>24.02.2025 | Train |
| 10065 | R | Check that all the conditions on the screen are satisfied (green box to the right of                                                      |  | OK |  | Celiwe Sokhela<br>491462               | Train |

|       |   |                                                                                                                                  |  |    |  |                                        |       |
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|       |   | each condition)                                                                                                                  |  |    |  | 24.02.2025                             |       |
| 10066 | A | Select RPT for M4 car                                                                                                            |  | OK |  | Celiwe Sokhela<br>491462<br>24.02.2025 | Train |
| 10067 | R | RPT for M4 test successful                                                                                                       |  | OK |  | Celiwe Sokhela<br>491462<br>24.02.2025 | Train |
| 10068 | A | Close the HSCB                                                                                                                   |  | OK |  | Celiwe Sokhela<br>491462<br>24.02.2025 | Train |
| 10069 | A | Select RPT for M1car                                                                                                             |  | OK |  | Celiwe Sokhela<br>491462<br>24.02.2025 | Train |
| 10070 | R | RPT for M1 test successful                                                                                                       |  | OK |  | Celiwe Sokhela<br>491462<br>24.02.2025 | Train |
| 10071 | A | Close the HSCB                                                                                                                   |  | OK |  | Celiwe Sokhela<br>491462<br>24.02.2025 | Train |
| 10072 | A | Select RPT for M2 car                                                                                                            |  | OK |  | Celiwe Sokhela<br>491462<br>24.02.2025 | Train |
| 10073 | R | RPT for M2 test successful                                                                                                       |  | OK |  | Celiwe Sokhela<br>491462<br>24.02.2025 | Train |
| 10074 | A | Close the HSCB                                                                                                                   |  | OK |  | Celiwe Sokhela<br>491462<br>24.02.2025 | Train |
| 10075 | A | Select RPT for M3 car                                                                                                            |  | OK |  | Celiwe Sokhela<br>491462<br>24.02.2025 | Train |
| 10076 | R | RPT for M3 test successful                                                                                                       |  | OK |  | Celiwe Sokhela<br>491462<br>24.02.2025 | Train |
| 10077 | A | Close the HSCB                                                                                                                   |  | OK |  | Celiwe Sokhela<br>491462<br>24.02.2025 | Train |
| 10078 | I | Traction Test                                                                                                                    |  | OK |  | Celiwe Sokhela<br>491462<br>24.02.2025 | Train |
| 10079 | A | WARNING: Do not perform TRACTION TEST when the Reduced Power Test has failed.                                                    |  | OK |  | Celiwe Sokhela<br>491462<br>24.02.2025 | Train |
| 10080 | A | Prepare the train in high voltage with active cab on TC1                                                                         |  | OK |  | Celiwe Sokhela<br>491462<br>24.02.2025 | Train |
| 10081 | A | On the DDU Test Screen, press the virtual button TRACTION TEST and ensure that all the requirements are met to execute the test. |  | OK |  | Celiwe Sokhela<br>491462<br>24.02.2025 | Train |
| 10082 | R | After the Traction Test is complete, there are no traction faults logged on the DDU                                              |  | OK |  | Celiwe Sokhela<br>491462<br>24.02.2025 | Train |

|       |   |                                                                         |  |    |          |                                        |       |
|-------|---|-------------------------------------------------------------------------|--|----|----------|----------------------------------------|-------|
|       |   | Event screen                                                            |  |    |          |                                        |       |
| 10083 | I | Load requirements                                                       |  | OK |          | Celiwe Sokhela<br>491462<br>24.02.2025 | Train |
| 10084 | R | Read Undefined Variable [TT]<br>SBK_M1CarWeight                         |  | OK | 37113.53 | Celiwe Sokhela<br>491462<br>24.02.2025 | Train |
| 10085 | R | Read Undefined Variable [TT]<br>SBK_M2CarWeight                         |  | OK | 35982.58 | Celiwe Sokhela<br>491462<br>24.02.2025 | Train |
| 10086 | R | Read Undefined Variable [TT]<br>SBK_M3CarWeight                         |  | OK | 36571.33 | Celiwe Sokhela<br>491462<br>24.02.2025 | Train |
| 10087 | R | Read Undefined Variable [TT]<br>SBK_M4CarWeight                         |  | OK | 36130.2  | Celiwe Sokhela<br>491462<br>24.02.2025 | Train |
| 10088 | R | Read Undefined Variable [TT]<br>SBK_Tc1CarWeight                        |  | OK | 34683.03 | Celiwe Sokhela<br>491462<br>24.02.2025 | Train |
| 10089 | R | Read Undefined Variable [TT]<br>SBK_Tc2CarWeight                        |  | OK | 34922.52 | Celiwe Sokhela<br>491462<br>24.02.2025 | Train |
| 10090 | A | Calculate the sum of all cars                                           |  | OK |          | Celiwe Sokhela<br>491462<br>24.02.2025 | Train |
| 10091 | R | The sum of the weight for all cars<br>Result Max : $x \leq 223740$ (kg) |  | OK | 215403.2 | Celiwe Sokhela<br>491462<br>24.02.2025 | Train |
| 10092 | I | End of Test                                                             |  | OK |          | Celiwe Sokhela<br>491462<br>24.02.2025 | Train |



Serial Tests Report  
TS270 – TFS  
RTR Train Functional Static Test Report

Document Reference  
GIB0000007854  
Version: A0

Emission date  
27/02/2025





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## Section 30 – Report summaries

### 30.1 Results status

| Test Instruction Sheet                  | Compliant | Incomplete | Non-compliant |
|-----------------------------------------|-----------|------------|---------------|
| Train Ground Communication              | X         |            |               |
| Traction Interlock                      | X         |            |               |
| Traction Converter                      | X         |            |               |
| Service Brake                           | X         |            |               |
| Rescue Mode and Emergency Disconnection | X         |            |               |
| Passenger Doors                         | X         |            |               |
| Pantograph                              | X         |            |               |
| PACIS                                   | X         |            |               |
| On-board train data recorder            | X         |            |               |
| Monitoring Circuit Breakers             | X         |            |               |
| Main Circuit Breaker Control            | X         |            |               |
| Internal Lighting                       | X         |            |               |
| Holding and Parking Brake               | X         |            |               |
| High Voltage Distribution               | X         |            |               |
| Fire Detection                          | X         |            |               |
| External lights and Signaling           | X         |            |               |
| ERTMS                                   | X         |            |               |
| Energy Distribution 400V AC             | X         |            |               |
| Energy Distribution 110V                | X         |            |               |
| Emergency Brake Interlock               | X         |            |               |
| Dynamic Pre-Test                        | X         |            |               |
| Driving Command                         | X         |            |               |
| Deadman                                 | X         |            |               |
| Computer Network and DDU Screen         | X         |            |               |
| CCTV Video Information                  | X         |            |               |

|                  |   |  |  |
|------------------|---|--|--|
| Cabin Control    | X |  |  |
| Air Production   | X |  |  |
| Air Conditioning | X |  |  |

## 30.2 Tools used

| Function | Tool name               | Tool number          | Next Calibration date |
|----------|-------------------------|----------------------|-----------------------|
| 019_AIR  | Manometro               | Manometer            | 8/30/2025             |
| 025_NET  | Cable Analyser DSX5000  | Fluke machine_Gibela | 12/31/2025            |
| 040_SBK  | Manometro               | Manometer            | 8/30/2025             |
| 040_SUP  | Manometro               | Manometer            | 8/30/2025             |
| 044_UBK  | Manometro               | Manometer            | 8/30/2025             |
| 045_PBK  | Manometro               | Manometer            | 8/30/2025             |
| 050_DOR  | NContrôleur de pression | Pressure Meter 2     | 7/31/2025             |
| 072_SGL  | Manometro               | Manometer            | 8/30/2025             |

| Vehicle | Equipment | Expected version | Version loaded |
|---------|-----------|------------------|----------------|
| Train   |           |                  |                |