

| PROJECT | CUSTOMER | TRAIN |
|-----------------|----------|-----------|
| Xtrapolis-PRASA | PRASA | 280 – TFS |

RTR Train Functional Static Testing TS280 Report
 GIB0000008079




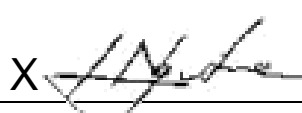

| | CREATED | VERIFIED | APPROVED | DISTRIBUTION |
|------------------|---------------------|-----------------|-----------------|---|
| Name | Kealeboga MOCWAGOLE | Lindani NGUBANE | Kgomotso NKOANA | Confidentiality Category <i>Restricted</i> <i>Project</i> <i>Normal</i> <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> |
| Date | 16/05/2025 | 16/05/2025 | 16/05/2025 | Control Category <i>Controlled</i> <i>Not Controlled</i> <input checked="" type="checkbox"/> <input type="checkbox"/> |
| Signature | | | | Language EN |

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Table of modifications

| Rev | Date | Modifications Content | Writer |
|-----|------------|-----------------------|---------------------|
| A0 | 16/05/2025 | Creation | Kealeboga MOCWAGOLE |

Internal validations

| | Name | Function | Date | Signature |
|-----------------|---------------------|---------------------|------------|---|
| Creator | Kealeboga MOCWAGOLE | EPU Manager | 16/05/2025 | X  Kealeboga MOCWAGOLE EPU Manager |
| Verifier | Lindani NGUBANE | Serial Test Manager | 16/05/2025 | X  Lindani NGUBANE Serial Test Manager |
| Approver | Kgomotso NKOANA | Test Expert | 16/05/2025 | X  Kgomotso NKOANA Test Expert |

Execution Plan

| | |
|-------------------|------------|
| Start Date | 05/05/2025 |
| End Date | 07/05/2025 |

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| Serial Tests Report TS280 – TFS RTR Train Functional Static Test Report | Document Reference GIB0000008079 Version: A0 | Emission date 16/05/2025 |
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Section 1 – Purpose / Objectives

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 | | Mpumelelo Sithole 529980 19.05.2025 | 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 | | Mpumelelo Sithole 529980 19.05.2025 | Train |
| 10003 | A | Apply LOTO procedure on the High Voltage Catenary before commencing with the procedure. | | OK | | Mpumelelo Sithole 529980 19.05.2025 | Train |
| 10004 | I | High Voltage Line Continuity Check | | OK | | Mpumelelo Sithole 529980 19.05.2025 | Train |
| 10005 | A | Check continuity of the following cables using a long wire, do not short any point to ground. | | OK | | Nqobile Chirwa 484648 05.05.2025 | Train |
| 10006 | A | On TC1 car, from Converter Auxiliary Connector 18XT11 point HV+ cable (#1UP-W_1) to M4 car Propulsion Box | | OK | | Nqobile Chirwa 484648 05.05.2025 | Train |

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| | | | | | | | |
|-------|---|--|--|----|--|--|-------|
| | | Connector 10XT12 point TR1 cable (#1UG-UK_3) | | | | | |
| 10007 | R | There is continuity. Cables are visually connected, and bolts are torqued. | | OK | | Nqobile Chirwa 484648 05.05.2025 | 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 | | Nqobile Chirwa 484648 05.05.2025 | Train |
| 10009 | R | There is continuity. Cables are visually connected, and bolts are torqued. | | OK | | Nqobile Chirwa 484648 05.05.2025 | 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 | | Nqobile Chirwa 484648 05.05.2025 | Train |
| 10011 | R | There is continuity. Cables are visually connected, and bolts are torqued. | | OK | | Nqobile Chirwa 484648 05.05.2025 | Train |
| 10012 | A | On M1 car, from Propulsion Box Connector 10XT12 point TR1 cable (#1UG-UK_2) to any Ground Wire | | OK | | Nqobile Chirwa 484648 05.05.2025 | Train |
| 10013 | R | There is NO continuity. | | OK | | Nqobile Chirwa 484648 05.05.2025 | 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 | | Nqobile Chirwa 484648 05.05.2025 | Train |
| 10015 | R | There is continuity. Cables are visually connected, and bolts are torqued. | | OK | | Nqobile Chirwa 484648 05.05.2025 | Train |
| 10016 | A | On M2 car, from Propulsion Box Connector 10XT12 point TR1 cable (#1UG-UK_2) to any Ground Wire | | OK | | Nqobile Chirwa 484648 05.05.2025 | Train |
| 10017 | R | There is NO continuity. | | OK | | Nqobile Chirwa 484648 05.05.2025 | 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 | | Nqobile Chirwa 484648 05.05.2025 | Train |
| 10019 | R | There is continuity. Cables are visually connected, and bolts are torqued. | | OK | | Nqobile Chirwa 484648 05.05.2025 | 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 | | Nqobile Chirwa 484648 05.05.2025 | Train |
| 10021 | R | There is continuity. Cables are visually connected, and bolts are torqued. | | OK | | Nqobile Chirwa 484648 05.05.2025 | Train |

| | | | | | | | |
|-------|---|---|--|----|--|--|-------|
| 10022 | A | Put back all the removed covers and tighten | | OK | | Nqobile Chirwa 484648 05.05.2025 | Train |
| 10023 | R | All covers are back and normalized | | OK | | Nqobile Chirwa 484648 05.05.2025 | Train |
| 10024 | I | End of Test | | OK | | Nqobile Chirwa 484648 05.05.2025 | Train |



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TS280 – TFS
RTR Train Functional Static Test Report

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Section 3 – Computer Network and DDU Screen

3.1 Instructions list

3.1.1 025_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 | | Sithembile Xulu 416253 05.05.2025 | Train |
| 10002 | I | TCMS Network Loop | | OK | | Sithembile Xulu 416253 05.05.2025 | Train |
| 10003 | I | This is a reflectometry test to check the TCMS complete loop | | OK | | Sithembile Xulu 416253 05.05.2025 | Train |
| 10004 | I | Please save each result on the Fluke using the cable number given per line | | OK | | Sithembile Xulu 416253 05.05.2025 | Train |
| 10005 | R | There is good connection between CRS1-TC1[25A10] port X4 and CRS1-M1[25A10] port X3 TSX T01 Cable is crossed | | OK | | Sithembile Xulu 416253 05.05.2025 | Train |
| 10006 | R | There is good connection between CRS4-TC1[25A13] port X3 and CRS1-M4[25A10] port X4 TSX T02 Cable is crossed | | OK | | Sithembile Xulu 416253 05.05.2025 | Train |
| 10007 | R | There is good connection between TRS-TC1[25A15] port ETH3 and TBR-M4[25A14] port ETH0 TSX T03 Cable is crossed | | OK | | Sithembile Xulu 416253 05.05.2025 | Train |
| 10008 | R | There is good connection between TBR-TC1 [25A14]ETH1 and TBR-M1[25A14]ETH0 TSX T04 Cable is crossed | | OK | | Sithembile Xulu 416253 05.05.2025 | Train |
| 10009 | R | There is good connection between TBR-M4[25A14]ETH1 and TBR-M2[25A14]ETH1 TSX T05 Cable is crossed | | OK | | Sithembile Xulu 416253 05.05.2025 | Train |
| 10010 | R | There is good connection between CRS2-M4[25A11] port X3 and CRS2-M2[25A11] port X4 TSX T06 Cable is crossed | | OK | | Sithembile Xulu 416253 05.05.2025 | Train |
| 10011 | R | There is good connection between CRS2-M1[25A11] port X4 and CRS2-M3[25A11] port X3 TSX T07 | | OK | | Sithembile Xulu 416253 05.05.2025 | Train |

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| | | | | | | | |
|-------|---|---|--|----|--|---|-------|
| | | Cable is crossed | | | | | |
| 10012 | R | There is good connection between TBR-M1[25A14]ETH1 and TBR-M3[25A14]ETH1 TSX T08 Cable is crossed | | OK | | Sithembile Xulu 416253 05.05.2025 | Train |
| 10013 | R | There is good connection between CRS1-M2[25A10] port X3 and CRS1-TC2[25A10] port X4 TSX T09 Cable is crossed | | OK | | Sithembile Xulu 416253 05.05.2025 | Train |
| 10014 | R | There is good connection between TBR-M2[25A14]ETH0 and TBR-TC2[25A14]ETH1 TSX T10 Cable is crossed | | OK | | Sithembile Xulu 416253 05.05.2025 | Train |
| 10015 | R | There is good connection between CRS1-M3[25A10] port X4 and CRS3-TC2[25A12] port X3 TSX T11 Cable is crossed | | OK | | Sithembile Xulu 416253 05.05.2025 | Train |
| 10016 | R | There is good connection between TBR-M3[25A14]ETH0 and TRS-TC2[25A15]ETH1 TSX T12 Cable is crossed | | OK | | Sithembile Xulu 416253 05.05.2025 | Train |
| 10017 | I | Pacis Network Loop | | OK | | Sithembile Xulu 416253 05.05.2025 | Train |
| 10018 | R | There is good connection between TRS1-TC1[54A13]ETH7 and CRS1-M4[54A10]port X7 TSX P01 Cable is crossed | | OK | | Sithembile Xulu 416253 05.05.2025 | Train |
| 10019 | R | There is good connection between CRS1-TC1[54A10]port X7 and CRS2-M1[54A11]port X8 TSX P02 Cable is crossed | | OK | | Sithembile Xulu 416253 05.05.2025 | Train |
| 10020 | R | There is good connection between CRS2-M4[54A11]port X8 and CRS1-M2[54A10]port X7 TSX P03 Cable is crossed | | OK | | Sithembile Xulu 416253 05.05.2025 | Train |
| 10021 | R | There is good connection between CRS1-M1[54A10]port X7 and CRS2-M3[54A11]port X8 TSX P04 Cable is crossed | | OK | | Sithembile Xulu 416253 05.05.2025 | Train |
| 10022 | R | There is good connection between CRS2-M2[54A11]port X8 and CRS1-TC2[54A10]port X7 TSX P05 Cable is crossed | | OK | | Sithembile Xulu 416253 05.05.2025 | Train |
| 10023 | R | There is good connection between CRS1-M3[54A10]port X7 and TRS1- | | OK | | Sithembile Xulu 416253 | Train |

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|-------|---|---|----|---|--|---|-------|
| | | TC2[54A13]ETH7 TSX P06 Cable is crossed | | | | 05.05.2025 | |
| 10024 | A | Download the results from the Fluke into a PDF format and upload it below | OK | | | Ntobeko Ndlovu 421595 08.05.2025 | Train |
| 10025 | I | MCE Redundancy Test | OK | | | Goitsemodimo Kgatitswe 526511 05.05.2025 | Train |
| 10026 | A | Switch ON the train in TC1 in Normal mode | OK | | | Goitsemodimo Kgatitswe 526511 05.05.2025 | Train |
| 10027 | I | MCE in TC1 should be the master MCE to begin the test | OK | | | Goitsemodimo Kgatitswe 526511 05.05.2025 | Train |
| 10028 | R | Read Defined Variable [TT] (MPU1)NET_LocalMceIsMaster = 1.0 | OK | 1 | | Goitsemodimo Kgatitswe 526511 05.05.2025 | Train |
| 10029 | R | Read Defined Variable [TT] (MPU2)NET_LocalMceIsMaster = 0.0 | OK | 0 | | Goitsemodimo Kgatitswe 526511 05.05.2025 | Train |
| 10030 | A | Open the circuit breaker 40Q1 in TC1 | OK | | | Goitsemodimo Kgatitswe 526511 05.05.2025 | Train |
| 10031 | I | The MCE in TC2 becomes the master MCE | OK | | | Goitsemodimo Kgatitswe 526511 05.05.2025 | Train |
| 10032 | R | Read Defined Variable [TT] (MPU2)NET_LocalMceIsMaster = 1.0 | OK | 1 | | Goitsemodimo Kgatitswe 526511 05.05.2025 | Train |
| 10033 | A | Close circuit breaker 40Q1 in TC1 | OK | | | Goitsemodimo Kgatitswe 526511 05.05.2025 | Train |
| 10034 | A | Open circuit breaker 40Q1 in TC2 | OK | | | Goitsemodimo Kgatitswe 526511 05.05.2025 | Train |
| 10035 | I | The MCE in TC1 becomes the Master | OK | | | Goitsemodimo Kgatitswe 526511 05.05.2025 | Train |
| 10036 | R | Read Defined Variable [TT] (MPU1)NET_LocalMceIsMaster = 1.0 | OK | 1 | | Goitsemodimo Kgatitswe 526511 05.05.2025 | Train |
| 10037 | A | Close the circuit breaker 40Q1 in TC2 | OK | | | Goitsemodimo Kgatitswe 526511 | Train |

| | | | | | | | |
|-------|---|--|--|----|---|---|-------|
| | | | | | | 05.05.2025 | |
| 10038 | R | Read Defined Variable [TT] (MPU1)NET_LocalMcelsMaster = 1.0 | | OK | 1 | Goitsemodimo Kgatitswe 526511 05.05.2025 | Train |
| 10039 | R | Read Defined Variable [TT] (MPU2)NET_LocalMcelsMaster = 0.0 | | OK | 0 | Goitsemodimo Kgatitswe 526511 05.05.2025 | Train |
| 10040 | A | Go to software version on DDU and select RUN BL. | | OK | | Goitsemodimo Kgatitswe 526511 05.05.2025 | Train |
| 10041 | R | The Train Baseline is : 1.8/10.1/10.2 | | OK | | Goitsemodimo Kgatitswe 526511 05.05.2025 | Train |
| 10042 | I | End of Test | | OK | | Goitsemodimo Kgatitswe 526511 05.05.2025 | Train |



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Section 4 – Energy Distribution 110V

4.1 Instructions list

4.1.1 015_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 | | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10002 | I | Initial Conditions | | OK | | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10003 | I | Train powered in normal mode with only battery power | | OK | | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10004 | A | Activate Cab on TC1 | | OK | | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10005 | A | Close the battery contactor 18S1 | | OK | | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10006 | A | Check on the DDU that all devices on TCMS network are in black colour i.e. successfully initialized | | OK | | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10007 | R | After few minutes, the TCMS has successfully initialized on the DDU screen | | OK | | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10008 | A | Check on the DDU that all devices on TCMS network are in black colour i.e. successfully initialized |  | OK | | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10009 | R | The Battery Voltage on the Voltage line module is 110V | | OK | | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10010 | R | On the Driver Screen, the battery voltage is the same as in the line module (110V) | | OK | | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10011 | I | Parameter Update | | OK | | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10012 | A | Perform the following procedure to update the Energy saving parameters |  | OK | | Mpumelelo Sithole 529980 19.05.2025 | Train |
| 10013 | I | CVS Firmware Update/SW Update |  | OK | | Nokuzola Mdluli 491469 09.05.2025 | 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 | | Nokuzola Mdluli 491469 09.05.2025 | Train |
| 10015 | I | Power supply check for Equipment on Permanent line | | OK | | Paseka Ditlhakanyane 491468 05.05.2025 | Train |

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|-------|---|--|----|--|--|-------|
| 10016 | R | The emergency Lighting is ON in TC1 saloon, left and right side in low brightness | OK | | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10017 | R | The emergency Lighting is ON in M4 saloon, left and right side in low brightness | OK | | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10018 | R | The emergency Lighting is ON in M1 saloon, left and right side in low brightness | OK | | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10019 | R | The emergency Lighting is ON in M2 saloon, left and right side in low brightness | OK | | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10020 | R | The emergency Lighting is ON in M3 saloon, left and right side in low brightness | OK | | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10021 | R | The emergency Lighting is ON in TC2 saloon, left and right side in low brightness | OK | | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10022 | A | Remove active cab on TC1 | OK | | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10023 | I | Train preparation on TC2 cab | OK | | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10024 | A | Insert the Driver's Master key on TC2, turn it to ON position and close battery contactor 18S1 | OK | | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10025 | R | The emergency Lighting is ON in TC1 saloon, left and right side in low brightness | OK | | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10026 | R | The emergency Lighting is ON in M4 saloon, left and right side in low brightness | OK | | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10027 | R | The emergency Lighting is ON in M1 saloon, left and right side in low brightness | OK | | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10028 | R | The emergency Lighting is ON in M2 saloon, left and right side in low brightness | OK | | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10029 | R | The emergency Lighting is ON in M3 saloon, left and right side in low brightness | OK | | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10030 | R | The emergency Lighting is ON in TC2 saloon, left and right side in low brightness | OK | | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10031 | A | Shutdown the train by opening the battery contactor 18S1 | OK | | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10032 | R | Train is successfully shutdown | OK | | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10033 | I | Battery Low Watchdog | OK | | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10034 | I | This test is to verify that the battery Watchdog relay is working, when the | OK | | Paseka Ditlhakanyane 491468 | Train |

| | | | | | | |
|-------|---|---|----|---|--|-------|
| | | battery voltage drops below 93V DC, the train automatically shutdown | | | 05.05.2025 | |
| 10035 | A | On TC2, turn ON the cleaning lights switch 52S6 | OK | | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10036 | R | Emergency lighting is ON in all cars | OK | | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10037 | A | Remove the relay 15K1 from its base | OK | | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10038 | R | Emergency lighting is OFF in all cars | OK | | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10039 | A | Put back the relay 15K1 on its base | OK | | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10040 | A | Walk to the TC2 CVS Agate compartment and confirm that the CVS Agate is not powered | OK | | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10041 | R | The CVS Agate is OFF | OK | | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10042 | A | Switch On the train on TC1 side | OK | | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10043 | A | Shutdown the train by opening the battery contactor 18S1 | OK | | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10044 | A | Turn the switch 52S6 to switch ON the cleaning lights | OK | | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10045 | A | Remove the relay 15K1 from its base | OK | | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10046 | R | The emergency lighting is OFF in all cars | OK | | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10047 | A | Put back the relay on its base | OK | | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10048 | A | Walk to the TC1 CVS Agate compartment and confirm that the CVS Agate is not powered | OK | | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10049 | R | The CVS Agate is OFF | OK | | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10050 | I | Train Earthing Procedure [11-52-3-247130 - Isolation and Earthing of the Train.pdf] | OK |  | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10051 | R | The train is successfully isolated and earthed. | OK | | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10052 | A | Normalize the train | OK | | Paseka Ditlhakanyane 491468 05.05.2025 | Train |

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| 10053 | R | The train is normalized. | | OK | | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10054 | R | Check the IOS status to see if both PANTOS are NOT isolated. | | OK | | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10055 | I | End of Test | | OK | | Paseka Ditlhakanyane 491468 05.05.2025 | Train |



Serial Tests Report
TS280 – TFS
RTR Train Functional Static Test Report

Document Reference
GIB0000008079
Version: A0

Emission date
16/05/2025

Section 5 – Main Circuit Breaker Control

5.1 Instructions list

5.1.1 022_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 | | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10002 | I | Initial Conditions | | OK | | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10003 | I | This test is to verify the correct operation of the main high voltage circuit breaker. | | OK | | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10004 | I | Train in LV ready | | OK | | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10005 | I | The catenary should be switched OFF | | OK | | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10006 | I | Circuit breaker 34Q1 should be closed in all Propulsion boxes | | OK | | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10007 | I | No Fire Detection alarm on the DDU screen | | OK | | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10008 | I | Start Test | | OK | | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10009 | I | HSCB control without High Voltage | | OK | | Alleta Sekgololo 417407 05.05.2025 | 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 | | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10011 | I | The button 27S5 should not be pressed on both cars | | OK | | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10012 | A | Active Cab on TC1 | | OK | | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10013 | R | Read Defined Variable [TT] (MPU1)TBCU1_li_DEMCL_HSCB = 0.0 | | OK | 0 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10014 | R | Read Defined Variable [TT] (MPU1)tbcu2_li_demcl_hscb = 0.0 | | OK | 0 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10015 | R | Read Defined Variable [TT] (MPU1)tbcu3_li_demcl_hscb = 0.0 | | OK | 0 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10016 | R | Read Defined Variable [TT] (MPU1)tbcu4_li_demcl_hscb = 0.0 | | OK | 0 | Alleta Sekgololo 417407 | Train |

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| | | | | | | 05.05.2025 | |
| 10017 | R | Read Defined Variable [TT] (MPU1)TBCU1_LI_HSCB_CL = 0.0 | | OK | 0 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10018 | R | Read Defined Variable [TT] (MPU1)tbcu2_li_hscb_cl = 0.0 | | OK | 0 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10019 | R | Read Defined Variable [TT] (MPU1)tbcu3_li_hscb_cl = 0.0 | | OK | 0 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10020 | R | Read Defined Variable [TT] (MPU1)tbcu4_li_hscb_cl = 0.0 | | OK | 0 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10021 | R | Read Defined Variable [TT] (MPU1)TBCU1_LI_HSCB_HOLD = 0.0 | | OK | 0 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10022 | R | Read Defined Variable [TT] (MPU1)tbcu2_li_hscb_hold = 0.0 | | OK | 0 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10023 | R | Read Defined Variable [TT] (MPU1)tbcu3_li_hscb_hold = 0.0 | | OK | 0 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10024 | R | Read Defined Variable [TT] (MPU1)tbcu4_li_hscb_hold = 0.0 | | OK | 0 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10025 | R | Read Defined Variable [TT] (MPU1)TBCU1_LI_HSCB_OP = 1.0 | | OK | 1 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10026 | R | Read Defined Variable [TT] (MPU1)tbcu2_li_hscb_op = 1.0 | | OK | 1 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10027 | R | Read Defined Variable [TT] (MPU1)tbcu3_li_hscb_op = 1.0 | | OK | 1 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10028 | R | Read Defined Variable [TT] (MPU1)tbcu4_li_hscb_op = 1.0 | | OK | 1 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10029 | R | Read Defined Variable [TT] (MPU1)li_hsc_m1hscbopenr2 = 1.0 | | OK | 1 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10030 | R | Read Defined Variable [TT] (MPU1)li_hsc_m2hscbopenr1 = 1.0 | | OK | 1 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10031 | A | Press the button 21S1 to raise Pantographs | | OK | | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10032 | A | Force [TT] (MPU1)Lo_HSC_Tc1HSCBCLOSE_R1 = 1.0 | | OK | | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10033 | A | Force [TT] (MPU1)Lo_HSC_Tc1HSCBCLOSE_R2 = 1.0 | | OK | | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10034 | A | Force [TT] (MPU1)Lo_HSC_Tc2HSCBCLOSE_R1 = 1.0 | | OK | | Alleta Sekgololo 417407 05.05.2025 | Train |

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|-------|---|---|----|---|--|-------|
| 10035 | A | Force [TT] (MPU1)Lo_HSC_Tc2HSCBCLOSE_R2 = 1.0 | OK | | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10036 | R | Read Defined Variable [TT] (MPU1)li_fsd_tc1firedetection = 0.0 | OK | 0 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10037 | R | Read Defined Variable [TT] (MPU1)li_fsd_tc2firedetection = 0.0 | OK | 0 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10038 | R | Read Defined Variable [TT] (MPU1)TBCU1_LI_DEMCL_HSCB = 1.0 | OK | 1 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10039 | R | Read Defined Variable [TT] (MPU1)tbcu2_li_demcl_hscb = 1.0 | OK | 1 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10040 | R | Read Defined Variable [TT] (MPU1)tbcu3_li_demcl_hscb = 1.0 | OK | 1 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10041 | R | Read Defined Variable [TT] (MPU1)tbcu4_li_demcl_hscb = 1.0 | OK | 1 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10042 | R | Read Defined Variable [TT] (MPU1)TBCU1_LI_HSCB_CL = 1.0 | OK | 1 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10043 | R | Read Defined Variable [TT] (MPU1)tbcu2_li_hscb_cl = 1.0 | OK | 1 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10044 | R | Read Defined Variable [TT] (MPU1)tbcu3_li_hscb_cl = 1.0 | OK | 1 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10045 | R | Read Defined Variable [TT] (MPU1)tbcu4_li_hscb_cl = 1.0 | OK | 1 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10046 | R | Read Defined Variable [TT] (MPU1)TBCU1_LI_HSCB_HOLD = 1.0 | OK | 1 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10047 | R | Read Defined Variable [TT] (MPU1)tbcu2_li_hscb_hold = 1.0 | OK | 1 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10048 | R | Read Defined Variable [TT] (MPU1)tbcu3_li_hscb_hold = 1.0 | OK | 1 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10049 | R | Read Defined Variable [TT] (MPU1)tbcu4_li_hscb_hold = 1.0 | OK | 1 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10050 | R | Read Defined Variable [TT] (MPU1)TBCU1_LI_HSCB_OP = 0.0 | OK | 0 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10051 | R | Read Defined Variable [TT] (MPU1)tbcu2_li_hscb_op = 0.0 | OK | 0 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10052 | R | Read Defined Variable [TT] (MPU1)tbcu3_li_hscb_op = 0.0 | OK | 0 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10053 | R | Read Defined Variable [TT] (MPU1)tbcu4_li_hscb_op = 0.0 | OK | 0 | Alleta Sekgololo 417407 | Train |

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| | | | | | | 05.05.2025 | |
| 10054 | R | Read Defined Variable [TT] (MPU1)li_hsc_m1hscbopenr2 = 0.0 | | OK | 0 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10055 | R | Read Defined Variable [TT] (MPU1)li_hsc_m2hscbopenr2 = 0.0 | | OK | 0 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10056 | A | Release [TT] (MPU1)Lo_HSC_Tc1HSCBCLOSE_R1 | | OK | | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10057 | A | Release [TT] (MPU1)Lo_HSC_Tc1HSCBCLOSE_R2 | | OK | | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10058 | A | Release [TT] (MPU1)Lo_HSC_Tc2HSCBCLOSE_R1 | | OK | | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10059 | A | Release [TT] (MPU1)Lo_HSC_Tc2HSCBCLOSE_R2 | | OK | | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10060 | A | Press the button 21S1 to lower pantographs | | OK | | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10061 | I | Traction Converter Isolation TC1 | | OK | | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10062 | A | Switch ON the 3kV DC on the catenary | | OK | | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10063 | R | Verify on the line display that the catenary voltage is 3kV DC on the line display where the train is parked | | OK | | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10064 | A | Press the button 21S1 to raise pantographs | | OK | | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10065 | A | Press the button 22S11 to close HSCBs | | OK | | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10066 | R | Button lamp 22S11 is ON | | OK | | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10067 | R | Read Defined Variable [TT] (MPU1)lo_hsc_tc1closehscbpr1 = 1.0 | | OK | 1 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10068 | R | Read Defined Variable [TT] (MPU1)lo_hsc_tc2closehscbpr1 = 0.0 | | OK | 0 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10069 | R | Read Defined Variable [TT] (MPU1)li_hsc_tc1tbcubypassm12 = 0.0 | | OK | 0 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10070 | R | Read Defined Variable [TT] (MPU1)li_hsc_tc1tbcubypassm34 = 0.0 | | OK | 0 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10071 | R | Read Defined Variable [TT] (MPU1)li_hsc_tc2tbcubypassm12 = 0.0 | | OK | 0 | Alleta Sekgololo 417407 05.05.2025 | Train |

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| 10072 | R | Read Defined Variable [TT] (MPU1)li_hsc_tc2tbcubypassm34 = 0.0 | OK | 0 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10073 | R | Read Defined Variable [TT] (MPU1)hsc_tbcu1bypass = 0.0 | OK | 0 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10074 | R | Read Defined Variable [TT] (MPU1)hsc_tbcu2bypass = 0.0 | OK | 0 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10075 | R | Read Defined Variable [TT] (MPU1)hsc_tbcu3bypass = 0.0 | OK | 0 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10076 | R | Read Defined Variable [TT] (MPU1)hsc_tbcu4bypass = 0.0 | OK | 0 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10077 | A | Put the Traction converter isolation switch 22S1 to ISOLATION M1/M2 | OK | | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10078 | R | Read Defined Variable [TT] (MPU1)li_hsc_tc1tbcubypassm12 = 1.0 | OK | 1 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10079 | R | Read Defined Variable [TT] (MPU1)hsc_tbcu1bypass = 1.0 | OK | 1 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10080 | R | Read Defined Variable [TT] (MPU1)hsc_tbcu4bypass = 0.0 | OK | 0 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10081 | R | Read Defined Variable [TT] (MPU1)li_hsc_tc1tbcubypassm34 = 0.0 | OK | 0 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10082 | R | Read Defined Variable [TT] (MPU1)hsc_tbcu2bypass = 0.0 | OK | 0 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10083 | R | Read Defined Variable [TT] (MPU1)hsc_tbcu3bypass = 0.0 | OK | 0 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10084 | R | Read Defined Variable [TT] (MPU1)lo_hsc_tc1closehscbr2 = 0.0 | OK | 0 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10085 | R | Read Defined Variable [TT] (MPU1)lo_hsc_tc2closehscbr2 = 1.0 | OK | 1 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10086 | A | Press the button 22S11 to close HSCB | OK | | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10087 | A | Both HSCBs are closed | OK | | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10088 | A | Put the Traction converter isolation switch 22S1 to NORMAL position | OK | | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10089 | A | Open HSCBs | OK | | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10090 | A | Press the virtual button RESET TRACTION FAULTS on the DDU maintenance screen | OK | | Alleta Sekgololo 417407 | Train |

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| | | | | | | 05.05.2025 | |
| 10091 | A | Press the button 22S11 to close HSCB | | OK | | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10092 | A | Put the Traction converter isolation switch 22S1 to ISOLATION M3/M4 | | OK | | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10093 | R | Read Defined Variable [TT] (MPU1)li_hsc_tc1tbcubypassm12 = 0.0 | | OK | 0 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10094 | R | Read Defined Variable [TT] (MPU1)li_hsc_tc1tbcubypassm34 = 1.0 | | OK | 1 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10095 | R | Read Defined Variable [TT] (MPU1)hsc_tbcu1bypass = 0.0 | | OK | 0 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10096 | R | Read Defined Variable [TT] (MPU1)hsc_tbcu4bypass = 1.0 | | OK | 1 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10097 | R | Read Defined Variable [TT] (MPU1)hsc_tbcu3bypass = 0.0 | | OK | 0 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10098 | R | Read Defined Variable [TT] (MPU1)hsc_tbcu2bypass = 0.0 | | OK | 0 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10099 | R | Read Defined Variable [TT] (MPU1)lo_hsc_tc1closehscbr2 = 0.0 | | OK | 0 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10100 | R | Read Defined Variable [TT] (MPU1)lo_hsc_tc2closehscbr2 = 1.0 | | OK | 1 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10101 | A | Press the button 22S11 to close HSCB | | OK | | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10102 | A | Both HSCBs are closed | | OK | | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10103 | A | Put the Traction converter isolation switch 22S1 to NORMAL position | | OK | | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10104 | A | Open HSCBs | | OK | | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10105 | A | Press the virtual button RESET TRACTION FAULTS on the DDU maintenance screen | | OK | | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10106 | A | Press the button 22S11 to close HSCB | | OK | | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10107 | A | Put the Traction converter isolation switch 22S1 to ISOLATION M1+M3/M2+M4 | | OK | | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10108 | R | Read Defined Variable [TT] (MPU1)li_hsc_tc1tbcubypassm12 = 1.0 | | OK | 1 | Alleta Sekgololo 417407 05.05.2025 | Train |

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| 10109 | R | Read Defined Variable [TT] (MPU1)li_hsc_tc1tbcubypassm34 = 1.0 | OK | 1 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10110 | R | Read Defined Variable [TT] (MPU1)hsc_tbcu1bypass = 1.0 | OK | 1 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10111 | R | Read Defined Variable [TT] (MPU1)hsc_tbcu2bypass = 0.0 | OK | 0 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10112 | R | Read Defined Variable [TT] (MPU1)hsc_tbcu3bypass = 0.0 | OK | 0 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10113 | R | Read Defined Variable [TT] (MPU1)hsc_tbcu4bypass = 1.0 | OK | 1 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10114 | R | Read Defined Variable [TT] (MPU1)li_hsc_m1hscbopenr1 = 1.0 | OK | 1 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10115 | R | Read Defined Variable [TT] (MPU1)li_hsc_m2hscbopenr1 = 0.0 | OK | 0 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10116 | A | Put the Traction converter isolation switch 22S1 to NORMAL position | OK | | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10117 | A | Press the button 22S11 to close HSCB | OK | | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10118 | A | Press the virtual button RESET TRACTION FAULTS on the DDU maintenance screen | OK | | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10119 | R | All Traction units are in service and operational | OK | | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10120 | A | Press the button 22S12 to open the HSCBs | OK | | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10121 | R | Read Defined Variable [TT] (MPU1)li_hsc_m1hscbopenr2 = 1.0 | OK | 1 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10122 | R | Read Defined Variable [TT] (MPU1)li_hsc_m2hscbopenr1 = 1.0 | OK | 1 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10123 | A | Press the button 21S1 to lower both pantographs | OK | | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10124 | R | Read Defined Variable [TT] PNT_AllPantoRaised = 0.0 | OK | 0 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10125 | A | Remove active cab on TC1 | OK | | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10126 | I | HSCB Operation with High Voltage | OK | | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10127 | A | Active Cab on TC2 | OK | | Alleta Sekgololo 417407 | Train |

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| 10128 | A | Press the button 21S1 to raise both pantographs | | OK | | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10129 | R | Both pantographs are raised successfully | | OK | | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10130 | R | The voltage on the Line Voltage Indicator module is at least 2.7 kV DC | | OK | | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10131 | A | Press the button 22S11 to close HSCBs | | OK | | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10132 | R | Read Defined Variable [TT] (MPU1)li_nrg_tc1contactopen400r2 = 0.0 | | OK | 0 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10133 | R | Read Defined Variable [TT] (MPU1)li_nrg_tc2contactopen400r2__1 = 0.0 | | OK | 0 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10134 | R | Read Defined Variable [TT] (MPU1)TBCU1_LI_HSCB_CL = 1.0 | | OK | 1 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10135 | R | Read Defined Variable [TT] (MPU1)tbcu2_li_hscb_cl = 1.0 | | OK | 1 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10136 | R | Read Defined Variable [TT] (MPU1)tbcu3_li_hscb_cl = 1.0 | | OK | 1 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10137 | R | Read Defined Variable [TT] (MPU1)tbcu4_li_hscb_cl = 1.0 | | OK | 1 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10138 | R | Read Defined Variable [TT] (MPU1)TBCU1_LI_HSCB_HOLD = 1.0 | | OK | 1 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10139 | R | Read Defined Variable [TT] (MPU1)tbcu2_li_hscb_hold = 1.0 | | OK | 1 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10140 | R | Read Defined Variable [TT] (MPU1)tbcu3_li_hscb_hold = 1.0 | | OK | 1 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10141 | R | Read Defined Variable [TT] (MPU1)tbcu4_li_hscb_hold = 1.0 | | OK | 1 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10142 | R | Read Defined Variable [TT] (MPU1)TBCU1_LI_HSCB_OP = 0.0 | | OK | 0 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10143 | R | Read Defined Variable [TT] (MPU1)tbcu2_li_hscb_op = 0.0 | | OK | 0 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10144 | R | Read Defined Variable [TT] (MPU1)tbcu3_li_hscb_op = 0.0 | | OK | 0 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10145 | R | Read Defined Variable [TT] (MPU1)tbcu4_li_hscb_op = 0.0 | | OK | 0 | Alleta Sekgololo 417407 05.05.2025 | Train |

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|-------|---|--|--|----|---|--|-------|
| 10146 | I | Traction Converter Isolation TC2 | | OK | | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10147 | R | Read Defined Variable [TT] (MPU1)lo_hsc_tc1closehscbpr1 = 0.0 | | OK | 0 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10148 | R | Read Defined Variable [TT] (MPU1)lo_hsc_tc2closehscbpr1 = 1.0 | | OK | 1 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10149 | R | Read Defined Variable [TT] (MPU1)li_hsc_tc1tbcubypassm12 = 0.0 | | OK | 0 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10150 | R | Read Defined Variable [TT] (MPU1)li_hsc_tc1tbcubypassm34 = 0.0 | | OK | 0 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10151 | R | Read Defined Variable [TT] (MPU1)li_hsc_tc2tbcubypassm12 = 0.0 | | OK | 0 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10152 | R | Read Defined Variable [TT] (MPU1)li_hsc_tc2tbcubypassm34 = 0.0 | | OK | 0 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10153 | R | Read Defined Variable [TT] (MPU1)hsc_tbcu1bypass = 0.0 | | OK | 0 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10154 | R | Read Defined Variable [TT] (MPU1)hsc_tbcu2bypass = 0.0 | | OK | 0 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10155 | R | Read Defined Variable [TT] (MPU1)hsc_tbcu3bypass = 0.0 | | OK | 0 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10156 | R | Read Defined Variable [TT] (MPU1)hsc_tbcu4bypass = 0.0 | | OK | 0 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10157 | R | Read Defined Variable [TT] (MPU1)li_hsc_tc2tbcubypassm34 = 0.0 | | OK | 0 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10158 | A | Put the Traction converter isolation switch 22S1 to ISOLATION M1/M2 | | OK | | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10159 | R | Read Defined Variable [TT] (MPU1)li_hsc_tc2tbcubypassm12 = 1.0 | | OK | 1 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10160 | R | Read Defined Variable [TT] (MPU1)hsc_tbcu2bypass = 1.0 | | OK | 1 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10161 | R | Read Defined Variable [TT] (MPU1)hsc_tbcu3bypass = 0.0 | | OK | 0 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10162 | R | Read Defined Variable [TT] (MPU1)hsc_tbcu4bypass = 0.0 | | OK | 0 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10163 | R | Read Defined Variable [TT] (MPU1)lo_hsc_tc1closehscbr2 = 1.0 | | OK | 1 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10164 | R | Read Defined Variable [TT] (MPU1)lo_hsc_tc2closehscbr2 = 0.0 | | OK | 0 | Alleta Sekgololo 417407 | Train |

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|-------|---|--|--|----|---|--|-------|
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| 10165 | A | Press the button 22S11 to close HSCB | | OK | | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10166 | A | Both HSCBs are closed | | OK | | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10167 | A | Put the Traction converter isolation switch 22S1 to NORMAL position | | OK | | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10168 | A | Open HSCBs | | OK | | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10169 | A | Press the virtual button RESET TRACTION FAULTS on the DDU maintenance screen | | OK | | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10170 | A | Press the button 22S11 to close HSCB | | OK | | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10171 | A | Put the Traction converter isolation switch 22S1 to ISOLATION M3/M4 | | OK | | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10172 | R | Read Defined Variable [TT] (MPU1)li_hsc_tc2tbcubypassm12 = 0.0 | | OK | 0 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10173 | R | Read Defined Variable [TT] (MPU1)li_hsc_tc2tbcubypassm34 = 1.0 | | OK | 1 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10174 | R | Read Defined Variable [TT] (MPU1)hsc_tbcu1bypass = 0.0 | | OK | 0 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10175 | R | Read Defined Variable [TT] (MPU1)hsc_tbcu2bypass = 0.0 | | OK | 0 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10176 | R | Read Defined Variable [TT] (MPU1)hsc_tbcu3bypass = 1.0 | | OK | 1 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10177 | R | Read Defined Variable [TT] (MPU1)hsc_tbcu4bypass = 0.0 | | OK | 0 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10178 | R | Read Defined Variable [TT] (MPU1)lo_hsc_tc1closehscbr2 = 1.0 | | OK | 1 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10179 | R | Read Defined Variable [TT] (MPU1)lo_hsc_tc2closehscbr2 = 0.0 | | OK | 0 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10180 | A | Press the button 22S11 to close HSCB | | OK | | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10181 | A | Both HSCBs are closed | | OK | | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10182 | A | Put the Traction converter isolation switch 22S1 to NORMAL position | | OK | | Alleta Sekgololo 417407 05.05.2025 | Train |

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|-------|---|--|--|----|---|--|-------|
| 10183 | A | Open HSCBs | | OK | | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10184 | A | Press the virtual button RESET TRACTION FAULTS on the DDU maintenance screen | | OK | | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10185 | A | Press the button 22S11 to close HSCB | | OK | | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10186 | A | Put the Traction converter isolation switch 22S1 to ISOLATION M1+M3/M2+M4 | | OK | | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10187 | R | Read Defined Variable [TT] (MPU1)li_hsc_tc2tbcubypassm12 = 1.0 | | OK | 1 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10188 | R | Read Defined Variable [TT] (MPU1)li_hsc_tc2tbcubypassm34 = 1.0 | | OK | 1 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10189 | R | Read Defined Variable [TT] (MPU1)hsc_tbcu1bypass = 0.0 | | OK | 0 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10190 | R | Read Defined Variable [TT] (MPU1)hsc_tbcu2bypass = 1.0 | | OK | 1 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10191 | R | Read Defined Variable [TT] (MPU1)hsc_tbcu3bypass = 1.0 | | OK | 1 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10192 | R | Read Defined Variable [TT] (MPU1)hsc_tbcu4bypass = 0.0 | | OK | 0 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10193 | R | Read Defined Variable [TT] (MPU1)lo_hsc_tc1closehscbr2 = 1.0 | | OK | 1 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10194 | R | Read Defined Variable [TT] (MPU1)lo_hsc_tc2closehscbr2 = 0.0 | | OK | 0 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10195 | A | Put the Traction converter isolation switch 22S1 to NORMAL position | | OK | | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10196 | A | Press the virtual button RESET TRACTION FAULTS on the DDU maintenance screen | | OK | | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10197 | A | Press the button 22S11 to close HSCB | | OK | | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10198 | R | All Traction units are in service and operational | | OK | | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10199 | I | End of test | | OK | | Alleta Sekgololo 417407 05.05.2025 | Train |



Serial Tests Report
TS280 – TFS
RTR Train Functional Static Test Report

Document Reference
GIB0000008079
Version: A0

Emission date
16/05/2025

Section 6 – Energy Distribution 400V AC

6.1 Instructions list

6.1.1 014_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 | | Dilikani Ngubane 526515 06.05.2025 | Train |
| 10002 | I | Initial Conditions | | OK | | Dilikani Ngubane 526515 06.05.2025 | Train |
| 10003 | I | TCMS should be working on train | | OK | | Dilikani Ngubane 526515 06.05.2025 | Train |
| 10004 | I | No high voltage present on catenary | | OK | | Dilikani Ngubane 526515 06.05.2025 | Train |
| 10005 | I | Start of Test | | OK | | Dilikani Ngubane 526515 06.05.2025 | Train |
| 10006 | A | Activate the Cab on TC2 | | OK | | Dilikani Ngubane 526515 06.05.2025 | Train |
| 10007 | A | Close the battery contactor 18S1 | | OK | | Dilikani Ngubane 526515 06.05.2025 | Train |
| 10008 | I | Wait for the TCMS to successfully initialize, then do the steps below | | OK | | Dilikani Ngubane 526515 06.05.2025 | Train |
| 10009 | R | Read Defined Variable [TT] (MPU1)li_nrg_tc1battcontactclosedr1__1 = 1.0 | | OK | 1 | Dilikani Ngubane 526515 06.05.2025 | Train |
| 10010 | R | Read Defined Variable [TT] (MPU1)lo_nrg_tc1batteryconnection1 = 1.0 | | OK | 1 | Dilikani Ngubane 526515 06.05.2025 | Train |
| 10011 | R | Read Defined Variable [TT] (MPU1)li_nrg_tc2battcontactclosedr2__1 = 1.0 | | OK | 1 | Dilikani Ngubane 526515 06.05.2025 | Train |
| 10012 | R | Read Defined Variable [TT] (MPU1)lo_nrg_tc2batteryconnection2 = 1.0 | | OK | 1 | Dilikani Ngubane 526515 06.05.2025 | Train |
| 10013 | A | Trip the Circuit Breaker CC(ALS) on TC2 CVS AGATE compartment | | OK | | Dilikani Ngubane 526515 06.05.2025 | Train |
| 10014 | R | Read Defined Variable [TT] (MPU1)li_nrg_tc2battcontactclosedr1__1 = 0.0 | | OK | 0 | Dilikani Ngubane 526515 06.05.2025 | Train |
| 10015 | R | Read Defined Variable [TT] (MPU1)li_nrg_tc2battcontactclosedr2__1 = 0.0 | | OK | 0 | Dilikani Ngubane 526515 06.05.2025 | Train |
| 10016 | R | Read Defined Variable [TT] (MPU1)Li_NRG_Tc2DcDcGateDriveR1__1 = 0.0 | | OK | 0 | Dilikani Ngubane 526515 06.05.2025 | Train |


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| 10017 | R | Read Defined Variable [TT] (MPU1)Li_NRG_Tc2DcDcGateDriveR2___1 = 0.0 | OK | 0 | Dilikani Ngubane 526515 06.05.2025 | Train |
| 10018 | I | Wait for 30s timer in the next step prior to resetting Circuit Breaker CC(ALS) | OK | | Dilikani Ngubane 526515 06.05.2025 | Train |
| 10019 | A | Timer 30.0 S | OK | | Dilikani Ngubane 526515 06.05.2025 | Train |
| 10020 | A | Reset the Circuit Breaker CC(ALS) on TC2 CVS AGATE compartment | OK | | Dilikani Ngubane 526515 06.05.2025 | Train |
| 10021 | A | Trip the Circuit Breaker CC(AL) on TC2 CVS AGATE compartment | OK | | Dilikani Ngubane 526515 06.05.2025 | Train |
| 10022 | R | Read Defined Variable [TT] (MPU1)Li_NRG_Tc2CcAlAcuStatusR1___1 = 1.0 | OK | 1 | Dilikani Ngubane 526515 06.05.2025 | Train |
| 10023 | R | Read Defined Variable [TT] (MPU1)Li_NRG_Tc2CcAlAcuStatusR2___1 = 1.0 | OK | 1 | Dilikani Ngubane 526515 06.05.2025 | Train |
| 10024 | I | Wait for 30s timer in the next step prior to resetting Circuit Breaker CC(ALS) | OK | | Dilikani Ngubane 526515 06.05.2025 | Train |
| 10025 | A | Timer 30.0 S | OK | | Dilikani Ngubane 526515 06.05.2025 | Train |
| 10026 | A | Reset the Circuit Breaker CC(AL) on TC2 CVS AGATE compartment | OK | | Dilikani Ngubane 526515 06.05.2025 | Train |
| 10027 | A | Activate the Cab on TC1 | OK | | Dilikani Ngubane 526515 06.05.2025 | Train |
| 10028 | A | Close the battery contactor 18S1 | OK | | Dilikani Ngubane 526515 06.05.2025 | Train |
| 10029 | I | Wait for the TCMS to successfully initialize, then do the steps below | OK | | Dilikani Ngubane 526515 06.05.2025 | Train |
| 10030 | R | Read Defined Variable [TT] (MPU1)li_nrg_tc1battcontactclosedr1___1 = 1.0 | OK | 1 | Dilikani Ngubane 526515 06.05.2025 | Train |
| 10031 | R | Read Defined Variable [TT] (MPU1)lo_nrg_tc1batteryconnectionr1 = 1.0 | OK | 1 | Dilikani Ngubane 526515 06.05.2025 | Train |
| 10032 | R | Read Defined Variable [TT] (MPU1)li_nrg_tc2battcontactclosedr2___1 = 1.0 | OK | 1 | Dilikani Ngubane 526515 06.05.2025 | Train |
| 10033 | R | Read Defined Variable [TT] (MPU1)lo_nrg_tc2batteryconnectionr2 = 1.0 | OK | 1 | Dilikani Ngubane 526515 06.05.2025 | Train |
| 10034 | A | Trip the Circuit Breaker CC(ALS) on TC1 CVS AGATE compartment | OK | | Dilikani Ngubane 526515 06.05.2025 | Train |


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|-------|---|---|----|---|--|-------|
| 10035 | R | Read Defined Variable [TT] (MPU1)li_nrg_tc1battcontactclosedr1___1 = 0.0 | OK | 0 | Dilikani Ngubane 526515 06.05.2025 | Train |
| 10036 | R | Read Defined Variable [TT] (MPU1)li_nrg_tc1battcontactclosedr2___1 = 0.0 | OK | 0 | Dilikani Ngubane 526515 06.05.2025 | Train |
| 10037 | R | Read Defined Variable [TT] (MPU1)Li_NRG_Tc1DcDcGateDriveR1___1 = 0.0 | OK | 0 | Dilikani Ngubane 526515 06.05.2025 | Train |
| 10038 | R | Read Defined Variable [TT] (MPU1)Li_NRG_Tc1DcDcGateDriveR2___1 = 0.0 | OK | 0 | Dilikani Ngubane 526515 06.05.2025 | Train |
| 10039 | I | Wait for 30s timer in the next step prior to resetting Circuit Breaker CC(ALS) | OK | | Dilikani Ngubane 526515 06.05.2025 | Train |
| 10040 | A | Timer 30.0 S | OK | | Dilikani Ngubane 526515 06.05.2025 | Train |
| 10041 | A | Reset the Circuit Breaker CC(ALS) on TC1 CVS AGATE compartment | OK | | Dilikani Ngubane 526515 06.05.2025 | Train |
| 10042 | A | Trip the Circuit Breaker CC(AL) on TC1 CVS AGATE compartment | OK | | Dilikani Ngubane 526515 06.05.2025 | Train |
| 10043 | R | Read Defined Variable [TT] (MPU1)Li_NRG_Tc1CcAlAcuStatusR1___1 = 1.0 | OK | 1 | Dilikani Ngubane 526515 06.05.2025 | Train |
| 10044 | R | Read Defined Variable [TT] (MPU1)Li_NRG_Tc1CcAlAcuStatusR2___1 = 1.0 | OK | 1 | Dilikani Ngubane 526515 06.05.2025 | Train |
| 10045 | I | Wait for 30s timer in the next step prior to resetting Circuit Breaker CC(ALS) | OK | | Dilikani Ngubane 526515 06.05.2025 | Train |
| 10046 | A | Timer 30.0 S | OK | | Dilikani Ngubane 526515 06.05.2025 | Train |
| 10047 | A | Reset the Circuit Breaker CC(AL) on TC1 CVS AGATE compartment | OK | | Dilikani Ngubane 526515 06.05.2025 | Train |
| 10048 | I | Automatic Train Preparation & Auxiliary Converter Status | OK | | Dilikani Ngubane 526515 06.05.2025 | Train |
| 10049 | R | Read Defined Variable [TT] (MPU1)li_cab_tc1automaticstartr1 = 0.0 | OK | 0 | Dilikani Ngubane 526515 06.05.2025 | Train |
| 10050 | R | Read Defined Variable [TT] (MPU1)li_cab_tc2automaticstartr2 = 0.0 | OK | 0 | Dilikani Ngubane 526515 06.05.2025 | Train |
| 10051 | A | Force [TT] (MPU1)li_cab_tc1automaticstartr1 = 1.0 | OK | | Nqobile Chirwa 484648 06.05.2025 | Train |
| 10052 | A | Force [TT] (MPU1)li_cab_tc1automaticstartr2 = 1.0 | OK | | Nqobile Chirwa 484648 06.05.2025 | Train |
| 10053 | A | Timer 5.0 S | OK | | Nqobile Chirwa 484648 | Train |

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| | | | | | | 06.05.2025 | |
| 10054 | R | Read Defined Variable [TT] (MPU1)lo_cab_tc1automaticstartr1 = 1.0 | | OK | 1 | Nqobile Chirwa 484648 06.05.2025 | Train |
| 10055 | R | Read Defined Variable [TT] (MPU1)lo_cab_tc2automaticstartr2 = 0.0 | | OK | 0 | Nqobile Chirwa 484648 06.05.2025 | Train |
| 10056 | R | Read Defined Variable [TT] (MPU1)lo_nrg_tc1converterfaultr2 = 1.0 | | OK | 1 | Nqobile Chirwa 484648 06.05.2025 | Train |
| 10057 | R | Lamp 18H1 is ON | | OK | | Nqobile Chirwa 484648 06.05.2025 | Train |
| 10058 | R | The ACU on TC1 and TC2 are not operational, the ACU appears in Grey colour on the DDU maintenance screen |  | OK | | Nqobile Chirwa 484648 06.05.2025 | Train |
| 10059 | R | Read Defined Variable [TT] (MPU1)li_NRG_Tc1CcAlAcuStatusR1___1 = 0.0 | | OK | 0 | Nqobile Chirwa 484648 06.05.2025 | Train |
| 10060 | R | Read Defined Variable [TT] (MPU1)li_NRG_Tc2CcAlAcuStatusR1___1 = 0.0 | | OK | 0 | Nqobile Chirwa 484648 06.05.2025 | Train |
| 10061 | R | Read Defined Variable [TT] (MPU1)li_NRG_Tc1CcAlAcuStatusR2___1 = 0.0 | | OK | 0 | Nqobile Chirwa 484648 06.05.2025 | Train |
| 10062 | R | Read Defined Variable [TT] (MPU1)li_NRG_Tc2CcAlAcuStatusR2___1 = 0.0 | | OK | 0 | Nqobile Chirwa 484648 06.05.2025 | Train |
| 10063 | R | Read Defined Variable [TT] (MPU1)li_nrg_tc1contactopen400r1___1 = 1.0 | | OK | 1 | Nqobile Chirwa 484648 06.05.2025 | Train |
| 10064 | R | Read Defined Variable [TT] (MPU1)li_nrg_tc2contactopen400r2___1 = 1.0 | | OK | 1 | Nqobile Chirwa 484648 06.05.2025 | Train |
| 10065 | R | Read Defined Variable [TT] (MPU1)li_pnt_m1pantorisedr1 = 1.0 | | OK | 1 | Nqobile Chirwa 484648 06.05.2025 | Train |
| 10066 | R | Read Defined Variable [TT] (MPU1)li_pnt_m2pantorisedr2 = 1.0 | | OK | 1 | Nqobile Chirwa 484648 06.05.2025 | Train |
| 10067 | A | Switch on 3 kV DC on the catenary | | OK | | Nqobile Chirwa 484648 06.05.2025 | Train |
| 10068 | R | Read Defined Variable [TT] (MPU1)lo_hsc_tc1closehscbr1 = 1.0 | | OK | 1 | Nqobile Chirwa 484648 06.05.2025 | Train |
| 10069 | R | Read Defined Variable [TT] (MPU1)lo_hsc_tc2closehscbr1 = 1.0 | | OK | 1 | Nqobile Chirwa 484648 06.05.2025 | Train |
| 10070 | R | Read Defined Variable [TT] (MPU1)li_nrg_tc1contactopen400r1___1 = 0.0 | | OK | 0 | Nqobile Chirwa 484648 06.05.2025 | Train |
| 10071 | R | Read Defined Variable [TT] (MPU1)li_nrg_tc2contactopen400r2___1 = 0.0 | | OK | 0 | Nqobile Chirwa 484648 06.05.2025 | Train |

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|-------|---|--|---|----|---|--|-------|
| 10072 | R | Aux with reduced performance, lamp 18H1 is OFF | | OK | | Nqobile Chirwa 484648 06.05.2025 | Train |
| 10073 | R | Read Defined Variable [TT] (MPU1)lo_nrg_tc1converterfaultr2 = 0.0 | | OK | 0 | Nqobile Chirwa 484648 06.05.2025 | Train |
| 10074 | R | Both ACUs are operational |  | OK | | Nqobile Chirwa 484648 06.05.2025 | Train |
| 10075 | R | Read Defined Variable [TT] (MPU1)Li_NRG_Tc2DcDcGateDriveR1___1 = 1.0 | | OK | 1 | Nqobile Chirwa 484648 06.05.2025 | Train |
| 10076 | R | Read Defined Variable [TT] (MPU1)Li_NRG_Tc2DcDcGateDriveR2___1 = 1.0 | | OK | 1 | Nqobile Chirwa 484648 06.05.2025 | Train |
| 10077 | R | Read Defined Variable [TT] (MPU1)Li_NRG_Tc1DcDcGateDriveR1___1 = 1.0 | | OK | 1 | Nqobile Chirwa 484648 06.05.2025 | Train |
| 10078 | R | Read Defined Variable [TT] (MPU1)Li_NRG_Tc1DcDcGateDriveR2___1 = 1.0 | | OK | 1 | Nqobile Chirwa 484648 06.05.2025 | Train |
| 10079 | A | Release [TT] (MPU1)li_cab_tc1automaticstartr1 | | OK | | Nqobile Chirwa 484648 06.05.2025 | Train |
| 10080 | A | Release [TT] (MPU1)li_cab_tc1automaticstartr2 | | OK | | Nqobile Chirwa 484648 06.05.2025 | Train |
| 10081 | I | ACU Isolation and Bypass | | OK | | Nqobile Chirwa 484648 06.05.2025 | Train |
| 10082 | R | Read Defined Variable [TT] (MPU1)li_nrg_tc1acubypassr1___1 = 1.0 | | OK | 1 | Nqobile Chirwa 484648 06.05.2025 | Train |
| 10083 | R | Read Defined Variable [TT] (MPU1)li_nrg_tc2acubypassr1___1 = 1.0 | | OK | 1 | Nqobile Chirwa 484648 06.05.2025 | Train |
| 10084 | A | Put the switch 18S3(ACU ISOLATION) to ISOLATION position | | OK | | Nqobile Chirwa 484648 06.05.2025 | Train |
| 10085 | R | Read Defined Variable [TT] (MPU1)lo_nrg_tc1converterfaultr2 = 1.0 | | OK | 1 | Nqobile Chirwa 484648 06.05.2025 | Train |
| 10086 | R | Read Defined Variable [TT] (MPU1)li_nrg_tc1acubypassr1___1 = 0.0 | | OK | 0 | Nqobile Chirwa 484648 06.05.2025 | Train |
| 10087 | R | Read Defined Variable [TT] (MPU1)li_nrg_tc2acubypassr1___1 = 1.0 | | OK | 1 | Nqobile Chirwa 484648 06.05.2025 | Train |
| 10088 | I | The help contactor closes on M2 car | | OK | | Nqobile Chirwa 484648 06.05.2025 | Train |
| 10089 | R | Read Defined Variable [TT] (MPU1)lo_nrg_m2converterhelpr1 = 1.0 | | OK | 1 | Nqobile Chirwa 484648 06.05.2025 | Train |
| 10090 | R | Verify that only one ACU is operational on the DDU, and the help contactor is closed | | OK | | Nqobile Chirwa 484648 | Train |

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| 10091 | A | Put the switch 18S3 (ACU ISOLATION) to NORMAL position | | OK | | Nqobile Chirwa 484648 06.05.2025 | Train |
| 10092 | A | Press the button 22S12 to open HSCB | | OK | | Nqobile Chirwa 484648 06.05.2025 | Train |
| 10093 | R | Button lamp 22S12 is ON | | OK | | Nqobile Chirwa 484648 06.05.2025 | Train |
| 10094 | A | Press the button 22S11 to close HSCB | | OK | | Nqobile Chirwa 484648 06.05.2025 | Train |
| 10095 | R | Button lamp 22S12 is OFF | | OK | | Nqobile Chirwa 484648 06.05.2025 | Train |
| 10096 | R | Both ACUs are operational on DDU Driver's screen | | OK | | Nqobile Chirwa 484648 06.05.2025 | Train |
| 10097 | R | Read Defined Variable [TT] (MPU1)lo_nrg_tc1converterfaultr2 = 0.0 | | OK | 0 | Nqobile Chirwa 484648 06.05.2025 | Train |
| 10098 | R | Read Defined Variable [TT] (MPU1)lo_nrg_m2converterhelpr1 = 0.0 | | OK | 0 | Nqobile Chirwa 484648 06.05.2025 | Train |
| 10099 | A | Put the switch 18S3(ACU ISOLATION) to ISOLATION position on TC2 | | OK | | Nqobile Chirwa 484648 06.05.2025 | Train |
| 10100 | R | Read Defined Variable [TT] (MPU1)lo_nrg_tc1converterfaultr2 = 1.0 | | OK | 1 | Nqobile Chirwa 484648 06.05.2025 | Train |
| 10101 | R | Read Defined Variable [TT] (MPU1)li_nrg_tc1acubypassr1__1 = 1.0 | | OK | 1 | Nqobile Chirwa 484648 06.05.2025 | Train |
| 10102 | R | Read Defined Variable [TT] (MPU1)li_nrg_tc2acubypassr1__1 = 0.0 | | OK | 0 | Nqobile Chirwa 484648 06.05.2025 | Train |
| 10103 | I | The help contactor closes on M2 car | | OK | | Nqobile Chirwa 484648 06.05.2025 | Train |
| 10104 | R | Read Defined Variable [TT] (MPU1)lo_nrg_m2converterhelpr2 = 1.0 | | OK | 1 | Nqobile Chirwa 484648 06.05.2025 | Train |
| 10105 | R | Verify that only one ACU is operational on the DDU, and the help contactor is closed | | OK | | Nqobile Chirwa 484648 06.05.2025 | Train |
| 10106 | A | Put the switch 18S3 (ACU ISOLATION) to NORMAL position on TC2 | | OK | | Nqobile Chirwa 484648 06.05.2025 | Train |
| 10107 | A | Press the button 22S12 to open HSCB | | OK | | Nqobile Chirwa 484648 06.05.2025 | Train |
| 10108 | A | Press the button 22S11 to close HSCB | | OK | | Nqobile Chirwa 484648 06.05.2025 | Train |

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| 10109 | R | Both ACUs are operational on DDU Driver's screen | | OK | | Nqobile Chirwa 484648 06.05.2025 | Train |
| 10110 | R | Read Defined Variable [TT] (MPU1)lo_nrg_tc1converterfaultr2 = 0.0 | | OK | 0 | Nqobile Chirwa 484648 06.05.2025 | Train |
| 10111 | R | Read Defined Variable [TT] (MPU1)lo_nrg_m2converterhelpr2 = 0.0 | | OK | 0 | Nqobile Chirwa 484648 06.05.2025 | Train |
| 10112 | I | ACU Fault simulation | | OK | | Nqobile Chirwa 484648 06.05.2025 | Train |
| 10113 | A | Inside the ACU, switch off the AGATE by tripping ACU circuit breaker in TC1 | | OK | | Nqobile Chirwa 484648 06.05.2025 | Train |
| 10114 | A | Lamp 18H1 is ON in the alarm module | | OK | | Nqobile Chirwa 484648 06.05.2025 | Train |
| 10115 | A | Timer 20.0 S | | OK | | Nqobile Chirwa 484648 06.05.2025 | Train |
| 10116 | R | Read Defined Variable [TT] (MPU1)lo_nrg_m2converterhelpr1 = 1.0 | | OK | 1 | Nqobile Chirwa 484648 06.05.2025 | Train |
| 10117 | A | Close the ACU AGATE circuit breaker | | OK | | Nqobile Chirwa 484648 06.05.2025 | Train |
| 10118 | A | Timer 30.0 S | | OK | | Nqobile Chirwa 484648 06.05.2025 | Train |
| 10119 | A | Open HSCB | | OK | | Nqobile Chirwa 484648 06.05.2025 | Train |
| 10120 | R | Read Defined Variable [TT] (MPU1)lo_nrg_m2converterhelpr1 = 0.0 | | OK | 0 | Nqobile Chirwa 484648 06.05.2025 | Train |
| 10121 | A | Close HSCB | | OK | | Nqobile Chirwa 484648 06.05.2025 | Train |
| 10122 | R | Lamp 18H1 is OFF in the alarm module | | OK | | Nqobile Chirwa 484648 06.05.2025 | Train |
| 10123 | A | Inside the ACU, switch off the AGATE by tripping ACU circuit breaker in TC2 | | OK | | Nqobile Chirwa 484648 06.05.2025 | Train |
| 10124 | A | Lamp 18H1 is ON in the alarm module | | OK | | Nqobile Chirwa 484648 06.05.2025 | Train |
| 10125 | A | Timer 20.0 S | | OK | | Nqobile Chirwa 484648 06.05.2025 | Train |
| 10126 | A | Close the ACU AGATE circuit breaker | | OK | | Nqobile Chirwa 484648 06.05.2025 | Train |
| 10127 | A | Timer 30.0 S | | OK | | Nqobile Chirwa 484648 | Train |

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| 10128 | A | Open HSCB | | OK | | Nqobile Chirwa 484648 06.05.2025 | Train |
| 10129 | A | Close HSCB | | OK | | Nqobile Chirwa 484648 06.05.2025 | Train |
| 10130 | I | Verifying Aux Converter Output | | OK | | Nqobile Chirwa 484648 06.05.2025 | Train |
| 10131 | A | Put the switch 18S3 (ACU ISOLATION) to ISOLATION position on TC1 and TC2 | | OK | | Nqobile Chirwa 484648 06.05.2025 | Train |
| 10132 | I | ACU stops working in TC1 and TC2 car | | OK | | Nqobile Chirwa 484648 06.05.2025 | Train |
| 10133 | R | Read Defined Variable [TT] (MPU1)lo_nrg_m2converterhelpr1 = 0.0 | | OK | 0 | Nqobile Chirwa 484648 06.05.2025 | Train |
| 10134 | R | Lamp 18H1 is ON in the alarm module |  | OK | | Nqobile Chirwa 484648 06.05.2025 | Train |
| 10135 | I | This test is performed to verify that the ACUs can supply all the loads without tripping | | OK | | Nqobile Chirwa 484648 06.05.2025 | Train |
| 10136 | A | Open the circuit breaker 19Q2 on TC1 | | OK | | Nqobile Chirwa 484648 06.05.2025 | Train |
| 10137 | A | Open the circuit breaker 57Q1 for all HVAC units | | OK | | Nqobile Chirwa 484648 06.05.2025 | Train |
| 10138 | A | Open the circuit breaker 19Q2 TC2 | | OK | | Nqobile Chirwa 484648 06.05.2025 | Train |
| 10139 | R | Read Defined Variable [TT] (MPU1)li_ddk_tc1cb400distrib = 0.0 | | OK | 0 | Dilikani Ngubane 526515 07.05.2025 | Train |
| 10140 | R | Read Defined Variable [TT] (MPU1)li_ddk_m4cb400distrib = 0.0 | | OK | 0 | Nqobile Chirwa 484648 06.05.2025 | Train |
| 10141 | R | Read Defined Variable [TT] (MPU1)li_ddk_m1cb400distrib = 0.0 | | OK | 0 | Nqobile Chirwa 484648 06.05.2025 | Train |
| 10142 | R | Read Defined Variable [TT] (MPU1)li_ddk_m2cb400distrib = 0.0 | | OK | 0 | Nqobile Chirwa 484648 06.05.2025 | Train |
| 10143 | R | Read Defined Variable [TT] (MPU1)li_ddk_m3cb400distrib = 0.0 | | OK | 0 | Nqobile Chirwa 484648 06.05.2025 | Train |
| 10144 | R | Read Defined Variable [TT] (MPU1)li_ddk_tc2cb400distrib = 0.0 | | OK | 0 | Nqobile Chirwa 484648 06.05.2025 | Train |
| 10145 | R | Read Defined Variable [TT] (MPU1)li_air_tc1mcbcompressor = 0.0 | | OK | 0 | Nqobile Chirwa 484648 06.05.2025 | Train |

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| 10146 | R | Read Defined Variable [TT] (MPU1)li_air_tc2mcbcompressor = 0.0 | | OK | 0 | Nqobile Chirwa 484648 06.05.2025 | Train |
| 10147 | A | Put the switch 18S3 (ACU ISOLATION) to NORMAL position on TC1 and TC2 | | OK | | Nqobile Chirwa 484648 06.05.2025 | Train |
| 10148 | I | ACU starts working on TC1 and TC2 |  | OK | | Nqobile Chirwa 484648 06.05.2025 | Train |
| 10149 | A | Close the circuit breaker 19Q2 TC1 | | OK | | Nqobile Chirwa 484648 06.05.2025 | Train |
| 10150 | A | Close the circuit breaker 57Q1 for all HVAC units | | OK | | Nqobile Chirwa 484648 06.05.2025 | Train |
| 10151 | I | It is necessary to check on the DDU screen for HVAC status | | OK | | Nqobile Chirwa 484648 06.05.2025 | Train |
| 10152 | R | Read Defined Variable [TT] (MPU1)li_ddk_tc1cb400distrib = 1.0 | | OK | 1 | Nqobile Chirwa 484648 06.05.2025 | Train |
| 10153 | R | Read Defined Variable [TT] (MPU1)li_ddk_m4cb400distrib = 1.0 | | OK | 1 | Nqobile Chirwa 484648 06.05.2025 | Train |
| 10154 | R | Read Defined Variable [TT] (MPU1)li_ddk_m1cb400distrib = 1.0 | | OK | 1 | Nqobile Chirwa 484648 06.05.2025 | Train |
| 10155 | R | Read Defined Variable [TT] (MPU1)li_ddk_m2cb400distrib = 1.0 | | OK | 1 | Nqobile Chirwa 484648 06.05.2025 | Train |
| 10156 | R | Read Defined Variable [TT] (MPU1)li_ddk_m3cb400distrib = 1.0 | | OK | 1 | Nqobile Chirwa 484648 06.05.2025 | Train |
| 10157 | R | Read Defined Variable [TT] (MPU1)li_ddk_tc2cb400distrib = 1.0 | | OK | 1 | Nqobile Chirwa 484648 06.05.2025 | Train |
| 10158 | A | Close the circuit breaker 19Q2 TC2 | | OK | | Nqobile Chirwa 484648 06.05.2025 | Train |
| 10159 | R | Read Defined Variable [TT] (MPU1)li_air_tc1mcbcompressor = 1.0 | | OK | 1 | Nqobile Chirwa 484648 06.05.2025 | Train |
| 10160 | R | Read Defined Variable [TT] (MPU1)li_air_tc2mcbcompressor = 1.0 | | OK | 1 | Nqobile Chirwa 484648 06.05.2025 | Train |
| 10161 | R | Verify the circuit breaker 18Q2 ACU on TC1 and TC2 have not tripped | | OK | | Nqobile Chirwa 484648 06.05.2025 | Train |
| 10162 | A | Release [TT] (MPU1)lo_cab_tc1automaticstartr1 | | OK | | Nqobile Chirwa 484648 06.05.2025 | Train |
| 10163 | A | Release [TT] (MPU1)lo_cab_tc1automaticstartr2 | | OK | | Nqobile Chirwa 484648 06.05.2025 | Train |
| 10164 | I | Shore supply 400Vac | | OK | | Nqobile Chirwa 484648 | Train |

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| 10165 | I | This test is to verify if the Aux converters are able to start-up successfully under external power supply and also charge the batteries without 3kV DC from the catenary. | | OK | | Nqobile Chirwa 484648 06.05.2025 | Train |
| 10166 | I | The shore supply used should be limited to 63A at 400Vac, 50Hz, three phase. A neutral on the shore supply is mandatory. | | OK | | Nqobile Chirwa 484648 06.05.2025 | Train |
| 10167 | A | Press the button 22S12 to open the HSCB | | OK | | Nqobile Chirwa 484648 06.05.2025 | Train |
| 10168 | A | Press switch 21S1 to lower both pantographs | | OK | | Nqobile Chirwa 484648 06.05.2025 | Train |
| 10169 | R | Read Defined Variable [TT] (MPU1)li_pnt_m1pantorisedr1 = 0.0 | | OK | 0 | Nqobile Chirwa 484648 06.05.2025 | Train |
| 10170 | R | Read Defined Variable [TT] (MPU1)li_pnt_m2pantorisedr2 = 0.0 | | OK | 0 | Nqobile Chirwa 484648 06.05.2025 | Train |
| 10171 | R | Read Defined Variable [TT] (MPU1)li_nrg_tc1shoresupply__1 = 0.0 | | OK | 0 | Nqobile Chirwa 484648 06.05.2025 | Train |
| 10172 | R | Read Defined Variable [TT] (MPU1)li_nrg_tc2shoresupply__1 = 0.0 | | OK | 0 | Nqobile Chirwa 484648 06.05.2025 | Train |
| 10173 | A | Connect the shore supply on TC1 ACU | | OK | | Nqobile Chirwa 484648 06.05.2025 | Train |
| 10174 | R | Read Defined Variable [TT] (MPU1)li_nrg_tc1shoresupply__1 = 1.0 | | OK | 1 | Nqobile Chirwa 484648 06.05.2025 | Train |
| 10175 | R | Read Defined Variable [TT] (MPU1)li_nrg_tc1contactopen400r2 = 0.0 | | OK | 0 | Nqobile Chirwa 484648 06.05.2025 | Train |
| 10176 | R | Read Defined Variable [TT] (MPU1)li_nrg_tc2shoresupply__1 = 0.0 | | OK | 0 | Nqobile Chirwa 484648 06.05.2025 | Train |
| 10177 | R | Read Defined Variable [TT] (MPU1)li_nrg_tc2contactopen400r1__1 = 1.0 | | OK | 1 | Nqobile Chirwa 484648 06.05.2025 | Train |
| 10178 | A | Press switch 21S1 to raise both pantographs | | OK | | Nqobile Chirwa 484648 06.05.2025 | Train |
| 10179 | A | Close HSCB using the button 22S11 | | OK | | Nqobile Chirwa 484648 06.05.2025 | Train |
| 10180 | I | It is not possible to close HSCB with shore supply connected | | OK | | Nqobile Chirwa 484648 06.05.2025 | Train |
| 10181 | R | Read Defined Variable [TT] (MPU1)lo_hsc_tc1closehscbpr1 = 0.0 | | OK | 0 | Nqobile Chirwa 484648 06.05.2025 | Train |
| 10182 | A | Remove shore supply from TC1 ACU | | OK | | Nqobile Chirwa 484648 06.05.2025 | Train |

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| 10183 | R | Read Defined Variable [TT] (MPU1)li_nrg_tc1shoresupply__1 = 0.0 | OK | 0 | Nqobile Chirwa 484648 06.05.2025 | Train |
| 10184 | R | Read Defined Variable [TT] (MPU1)li_nrg_tc1contactopen400r2 = 1.0 | OK | 1 | Nqobile Chirwa 484648 06.05.2025 | Train |
| 10185 | R | Read Defined Variable [TT] (MPU1)li_nrg_tc2shoresupply__1 = 0.0 | OK | 0 | Nqobile Chirwa 484648 06.05.2025 | Train |
| 10186 | R | Read Defined Variable [TT] (MPU1)li_nrg_tc2contactopen400r1__1 = 1.0 | OK | 1 | Nqobile Chirwa 484648 06.05.2025 | Train |
| 10187 | A | Connect the shore supply on TC2 ACU | OK | | Nqobile Chirwa 484648 06.05.2025 | Train |
| 10188 | R | Read Defined Variable [TT] (MPU1)li_nrg_tc1shoresupply__1 = 0.0 | OK | 0 | Nqobile Chirwa 484648 06.05.2025 | Train |
| 10189 | R | Read Defined Variable [TT] (MPU1)li_nrg_tc1contactopen400r2 = 1.0 | OK | 1 | Nqobile Chirwa 484648 06.05.2025 | Train |
| 10190 | R | Read Defined Variable [TT] (MPU1)li_nrg_tc2shoresupply__1 = 1.0 | OK | 1 | Nqobile Chirwa 484648 06.05.2025 | Train |
| 10191 | R | Read Defined Variable [TT] (MPU1)li_nrg_tc2contactopen400r2__1 = 0.0 | OK | 0 | Nqobile Chirwa 484648 06.05.2025 | Train |
| 10192 | A | Close HSCB using the button 22S11 | OK | | Nqobile Chirwa 484648 06.05.2025 | Train |
| 10193 | I | It is not possible to close HSCB with shore supply connected | OK | | Nqobile Chirwa 484648 06.05.2025 | Train |
| 10194 | R | Read Defined Variable [TT] (MPU1)li_hsc_tc1hscbclosepbr1 = 0.0 | OK | 0 | Nqobile Chirwa 484648 06.05.2025 | Train |
| 10195 | A | Remove shore supply from TC2 ACU | OK | | Nqobile Chirwa 484648 06.05.2025 | Train |
| 10196 | I | Shore Supply with 3kV present | OK | | Nqobile Chirwa 484648 06.05.2025 | 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 | | Nqobile Chirwa 484648 06.05.2025 | Train |
| 10198 | A | Close HSCB using the button 22S11 | OK | | Nqobile Chirwa 484648 06.05.2025 | Train |
| 10199 | R | Read Defined Variable [TT] (MPU1)li_hsc_tc1hscbclosepbr1 = 1.0 | OK | 1 | Nqobile Chirwa 484648 06.05.2025 | Train |
| 10200 | R | Read Defined Variable [TT] (MPU1)li_nrg_tc1contactopen400r1__1 = 0.0 | OK | 0 | Nqobile Chirwa 484648 06.05.2025 | Train |

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| 10201 | R | Read Defined Variable [TT] (MPU1)li_nrg_tc2contactopen400r1__1 = 0.0 | OK | 0 | Nqobile Chirwa 484648 06.05.2025 | Train |
| 10202 | A | Connect the shore supply on TC1 ACU | OK | | Nqobile Chirwa 484648 06.05.2025 | Train |
| 10203 | R | Read Defined Variable [TT] (MPU1)li_nrg_tc1contactopen400r1 = 0.0 | OK | 0 | Nqobile Chirwa 484648 06.05.2025 | Train |
| 10204 | R | Read Defined Variable [TT] (MPU1)li_nrg_tc2contactopen400r2__1 = 0.0 | OK | 0 | Nqobile Chirwa 484648 06.05.2025 | Train |
| 10205 | R | Read Defined Variable [TT] (MPU1)li_nrg_tc1shoresupply__1 = 0.0 | OK | 0 | Nqobile Chirwa 484648 06.05.2025 | Train |
| 10206 | R | Read Defined Variable [TT] (MPU1)li_nrg_tc2shoresupply__1 = 0.0 | OK | 0 | Nqobile Chirwa 484648 06.05.2025 | Train |
| 10207 | A | Force [TT] (MPU1)li_nrg_tc1shoresupply__1 = 1.0 | OK | | Nqobile Chirwa 484648 06.05.2025 | Train |
| 10208 | R | Read Defined Variable [TT] (MPU1)li_nrg_tc1contactopen400r1 = 1.0 | OK | 1 | Nqobile Chirwa 484648 06.05.2025 | Train |
| 10209 | R | Read Defined Variable [TT] (MPU1)li_nrg_tc2contactopen400r2__1 = 1.0 | OK | 1 | Nqobile Chirwa 484648 06.05.2025 | Train |
| 10210 | R | The HSCBs open | OK | | Nqobile Chirwa 484648 06.05.2025 | Train |
| 10211 | A | Release [TT] (MPU1)li_nrg_tc1shoresupply__1 | OK | | Nqobile Chirwa 484648 06.05.2025 | Train |
| 10212 | A | Remove shore supply from TC1 ACU | OK | | Nqobile Chirwa 484648 06.05.2025 | Train |
| 10213 | R | Read Defined Variable [TT] (MPU1)li_nrg_tc1contactopen400r1 = 1.0 | OK | 1 | Nqobile Chirwa 484648 06.05.2025 | Train |
| 10214 | R | Read Defined Variable [TT] (MPU1)li_nrg_tc2contactopen400r1__1 = 1.0 | OK | 1 | Nqobile Chirwa 484648 06.05.2025 | Train |
| 10215 | A | Close HSCB using the button 22S11 | OK | | Nqobile Chirwa 484648 06.05.2025 | Train |
| 10216 | R | Read Defined Variable [TT] (MPU1)li_nrg_tc1contactopen400r1__1 = 0.0 | OK | 0 | Nqobile Chirwa 484648 06.05.2025 | Train |
| 10217 | R | Read Defined Variable [TT] (MPU1)li_nrg_tc2contactopen400r1__1 = 0.0 | OK | 0 | Nqobile Chirwa 484648 06.05.2025 | Train |
| 10218 | A | Connect the shore supply on TC2 ACU | OK | | Nqobile Chirwa 484648 06.05.2025 | Train |
| 10219 | R | Read Defined Variable [TT] (MPU1)li_nrg_tc1contactopen400r1 = 0.0 | OK | 0 | Nqobile Chirwa 484648 | Train |

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| 10220 | R | Read Defined Variable [TT] (MPU1)li_nrg_tc2contactopen400r2___1 = 0.0 | | OK | 0 | Nqobile Chirwa 484648 06.05.2025 | Train |
| 10221 | R | Read Defined Variable [TT] (MPU1)li_nrg_tc1shoresupply___1 = 0.0 | | OK | 0 | Nqobile Chirwa 484648 06.05.2025 | Train |
| 10222 | R | Read Defined Variable [TT] (MPU1)li_nrg_tc2shoresupply___1 = 0.0 | | OK | 0 | Nqobile Chirwa 484648 06.05.2025 | Train |
| 10223 | A | Force [TT] (MPU1)li_nrg_tc2shoresupply___1 = 1.0 | | OK | | Nqobile Chirwa 484648 06.05.2025 | Train |
| 10224 | R | Read Defined Variable [TT] (MPU1)li_nrg_tc1contactopen400r1 = 1.0 | | OK | 1 | Nqobile Chirwa 484648 06.05.2025 | Train |
| 10225 | R | Read Defined Variable [TT] (MPU1)li_nrg_tc2contactopen400r2___1 = 1.0 | | OK | 1 | Nqobile Chirwa 484648 06.05.2025 | Train |
| 10226 | R | The HSCBs open | | OK | | Nqobile Chirwa 484648 06.05.2025 | Train |
| 10227 | A | Release [TT] (MPU1)li_nrg_tc2shoresupply___1 | | OK | | Nqobile Chirwa 484648 06.05.2025 | Train |
| 10228 | A | Remove shore supply from TC2 ACU | | OK | | Nqobile Chirwa 484648 06.05.2025 | Train |
| 10229 | R | Read Defined Variable [TT] (MPU1)li_nrg_tc1contactopen400r1 = 1.0 | | OK | 1 | Nqobile Chirwa 484648 06.05.2025 | Train |
| 10230 | R | Read Defined Variable [TT] (MPU1)li_nrg_tc2contactopen400r1___1 = 1.0 | | OK | 1 | Nqobile Chirwa 484648 06.05.2025 | Train |
| 10231 | A | Close HSCB | | OK | | Nqobile Chirwa 484648 06.05.2025 | Train |
| 10232 | R | Both ACUs are operational | | OK | | Nqobile Chirwa 484648 06.05.2025 | Train |
| 10233 | I | ACU reverse mode | | OK | | Nqobile Chirwa 484648 06.05.2025 | Train |
| 10234 | A | Open HSCB | | OK | | Nqobile Chirwa 484648 06.05.2025 | Train |
| 10235 | R | Verify on the DDU that the HSCB is open on M1 and M2 | | OK | | Nqobile Chirwa 484648 06.05.2025 | Train |
| 10236 | R | Verify on the DDU that all HVACs are only operating in Ventilation mode | | OK | | Nqobile Chirwa 484648 06.05.2025 | Train |
| 10237 | R | Verify on the DDU that both CVS are operating in reverse mode | | OK | | Nqobile Chirwa 484648 06.05.2025 | Train |

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| 10238 | R | Verify on the DDU that both MASU are not running | | OK | | Nqobile Chirwa 484648 06.05.2025 | Train |
| 10239 | A | Switch ON the 3kV DC on the catenary | | OK | | Nqobile Chirwa 484648 06.05.2025 | Train |
| 10240 | A | Close HSCB using button 22S11 | | OK | | Nqobile Chirwa 484648 06.05.2025 | Train |
| 10241 | R | Line voltage indicator shows at least 2.7kV DC | | OK | | Nqobile Chirwa 484648 06.05.2025 | Train |
| 10242 | R | Verify on the DDU that the HSCB is closed on M1 and M2 | | OK | | Nqobile Chirwa 484648 06.05.2025 | Train |
| 10243 | R | Verify on the DDU that all HVACs are operating under normal condition | | OK | | Nqobile Chirwa 484648 06.05.2025 | Train |
| 10244 | I | Automatic Train De-preparation & Auxiliary Converter status TC2 | | OK | | Nqobile Chirwa 484648 06.05.2025 | Train |
| 10245 | A | Press the Automatic start button 20S1 on the Driver's Desk or Virtual button on DDU screen | | OK | | Nqobile Chirwa 484648 06.05.2025 | Train |
| 10246 | R | Read Defined Variable [TT] (MPU1)li_cab_tc1automaticstartr2 = 0.0 | | OK | 0 | Nqobile Chirwa 484648 06.05.2025 | Train |
| 10247 | R | Read Defined Variable [TT] (MPU1)li_cab_tc2automaticstartr1 = 0.0 | | OK | 0 | Nqobile Chirwa 484648 06.05.2025 | Train |
| 10248 | R | Read Defined Variable [TT] PNT_AllPantoRaised = 0.0 | | OK | 0 | Nqobile Chirwa 484648 06.05.2025 | Train |
| 10249 | R | Read Defined Variable [TT] HSC_HscbClosedNum = 0.0 | | OK | 0 | Nqobile Chirwa 484648 06.05.2025 | Train |
| 10250 | R | Train is in LV ready | | OK | | Nqobile Chirwa 484648 06.05.2025 | Train |
| 10251 | I | Automatic train preparation and de-preparation on TC2 | | OK | | Nqobile Chirwa 484648 06.05.2025 | Train |
| 10252 | A | Insert the Driver's master key on TC2 and turn it to ON position | | OK | | Nqobile Chirwa 484648 06.05.2025 | Train |
| 10253 | A | Close the battery contactor 18S1 | | OK | | Nqobile Chirwa 484648 06.05.2025 | Train |
| 10254 | A | After the TCMS successful initialization, press the automatic start button 20S1 | | OK | | Nqobile Chirwa 484648 06.05.2025 | Train |
| 10255 | R | Train is prepared in high voltage | | OK | | Nqobile Chirwa 484648 06.05.2025 | Train |
| 10256 | A | Press the automatic start button 20S1 to de-prepare the train | | OK | | Nqobile Chirwa 484648 | Train |

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| | | | | | | 06.05.2025 | |
| 10257 | R | Train is in LV ready | | OK | | Nqobile Chirwa 484648 06.05.2025 | Train |
| 10258 | A | Open the battery contactor 18S1 to shut down the train | | OK | | Nqobile Chirwa 484648 06.05.2025 | Train |
| 10259 | R | After few seconds, the train is successfully shutdown | | OK | | Nqobile Chirwa 484648 06.05.2025 | Train |
| 10260 | A | Close the battery contactor 18S1 | | OK | | Nqobile Chirwa 484648 06.05.2025 | Train |
| 10261 | A | Wait for the TCMS to successfully initialize | | OK | | Nqobile Chirwa 484648 06.05.2025 | Train |
| 10262 | A | Before the PACIS initialize, open, and HOLD the battery contactor 18S1 and read the following: | | OK | | Nqobile Chirwa 484648 06.05.2025 | Train |
| 10263 | R | Read Defined Variable [TT] (MPU1)li_nrg_tc2battoffreqr1___1 = 1.0 | | OK | 1 | Dilikani Ngubane 526515 07.05.2025 | Train |
| 10264 | R | Read Defined Variable [TT] (MPU1)li_nrg_tc2battoffreqr2___1 = 1.0 | | OK | 1 | Dilikani Ngubane 526515 07.05.2025 | Train |
| 10265 | A | Release battery contactor 18S1 | | OK | | Dilikani Ngubane 526515 07.05.2025 | Train |
| 10266 | A | Once the PACIS has successfully initialized, Open the battery contactor 18S1. | | OK | | Dilikani Ngubane 526515 07.05.2025 | Train |
| 10267 | A | Insert the Driver's master key on TC1 and turn it to ON position | | OK | | Dilikani Ngubane 526515 07.05.2025 | Train |
| 10268 | A | Close the battery contactor 18S1 | | OK | | Dilikani Ngubane 526515 07.05.2025 | Train |
| 10269 | A | Wait for the TCMS to successfully initialize | | OK | | Dilikani Ngubane 526515 07.05.2025 | Train |
| 10270 | R | Train is in LV ready | | OK | | Dilikani Ngubane 526515 07.05.2025 | Train |
| 10271 | A | Open the battery contactor 18S1 to shut down the train | | OK | | Dilikani Ngubane 526515 07.05.2025 | Train |
| 10272 | A | Close the battery contactor 18S1 | | OK | | Dilikani Ngubane 526515 07.05.2025 | Train |
| 10273 | A | Wait for the TCMS to successfully initialize | | OK | | Dilikani Ngubane 526515 07.05.2025 | Train |
| 10274 | A | Before the PACIS initialize, open, and HOLD the battery contactor 18S1 and read the following: | | OK | | Dilikani Ngubane 526515 07.05.2025 | Train |

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|-------|---|--|--|----|---|--|-------|
| 10275 | R | Read Defined Variable [TT] (MPU1)li_nrg_tc1battoffreqr1___1 = 1.0 | | OK | 1 | Dilikani Ngubane 526515 07.05.2025 | Train |
| 10276 | R | Read Defined Variable [TT] (MPU1)li_nrg_tc1battoffreqr2___1 = 1.0 | | OK | 1 | Dilikani Ngubane 526515 07.05.2025 | Train |
| 10277 | A | Release battery contactor 18S1 | | OK | | Dilikani Ngubane 526515 07.05.2025 | Train |
| 10278 | A | Once the PACIS has successfully initialized, Open the battery contactor 18S1. | | OK | | Dilikani Ngubane 526515 07.05.2025 | Train |
| 10279 | I | End of test | | OK | | Dilikani Ngubane 526515 07.05.2025 | Train |



Serial Tests Report
TS280 – TFS
RTR Train Functional Static Test Report

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16/05/2025

Section 7 – Cabin Control

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 | | Goitsemodimo Kgatitswe 526511 05.05.2025 | Train |
| 10002 | I | Initial Condition | | OK | | Goitsemodimo Kgatitswe 526511 05.05.2025 | Train |
| 10003 | I | Backup switch should be in Normal Position | | OK | | Goitsemodimo Kgatitswe 526511 05.05.2025 | Train |
| 10004 | I | Train should be OFF | | OK | | Goitsemodimo Kgatitswe 526511 05.05.2025 | Train |
| 10005 | I | Start Test | | OK | | Goitsemodimo Kgatitswe 526511 05.05.2025 | Train |
| 10006 | I | Cab Active TC1 | | OK | | Goitsemodimo Kgatitswe 526511 05.05.2025 | Train |
| 10007 | A | Insert Driver's Master key and turn it to ON position | | OK | | Goitsemodimo Kgatitswe 526511 05.05.2025 | Train |
| 10008 | A | Close the battery contactor 18S1 | | OK | | Goitsemodimo Kgatitswe 526511 05.05.2025 | Train |
| 10009 | R | Train successfully start up in normal mode | | OK | | Goitsemodimo Kgatitswe 526511 05.05.2025 | Train |
| 10010 | A | Put the direction selector switch to FORWARD position | | OK | | Goitsemodimo Kgatitswe 526511 05.05.2025 | Train |
| 10011 | A | Try to put the Driver's master key in OFF position or remove it from the cab | | OK | | Goitsemodimo Kgatitswe 526511 05.05.2025 | Train |
| 10012 | R | It is not possible to remove or turn the Driver's master key | | OK | | Goitsemodimo Kgatitswe 526511 05.05.2025 | Train |

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|-------|---|---|--|----|---|---|-------|
| 10013 | A | Put the direction selector switch to NEUTRAL position | | OK | | Goitsemodimo Kgatitswe 526511 05.05.2025 | Train |
| 10014 | R | Read Defined Variable [TT] (MPU1)li_cab_tc1cabinactiveno = 1.0 | | OK | 1 | Goitsemodimo Kgatitswe 526511 05.05.2025 | Train |
| 10015 | A | Turn key to non-active cab | | OK | | Goitsemodimo Kgatitswe 526511 05.05.2025 | Train |
| 10016 | A | Open and close circuit breaker 20Q2 | | OK | | Goitsemodimo Kgatitswe 526511 05.05.2025 | Train |
| 10017 | R | Read Defined Variable [TT] (MPU1)li_cab_tc1masterkey__1 = 0.0 | | OK | 0 | Goitsemodimo Kgatitswe 526511 05.05.2025 | Train |
| 10018 | R | Read Defined Variable [TT] (MPU1)li_cab_tc2masterkey__1 = 0.0 | | OK | 0 | Goitsemodimo Kgatitswe 526511 05.05.2025 | Train |
| 10019 | R | Read Defined Variable [TT] (MPU1)li_cab_tc1keyrelay2 = 1.0 | | OK | 1 | Goitsemodimo Kgatitswe 526511 05.05.2025 | Train |
| 10020 | R | Read Defined Variable [TT] (MPU1)Li_CAB_Tc1KeyRelayR1 = 1.0 | | OK | 1 | Goitsemodimo Kgatitswe 526511 05.05.2025 | Train |
| 10021 | R | Read Defined Variable [TT] (MPU1)li_cab_tc1keyrelayr2 = 1.0 | | OK | 1 | Goitsemodimo Kgatitswe 526511 05.05.2025 | Train |
| 10022 | R | Read Defined Variable [TT] (MPU1)li_cab_tc1cabinactiver1 = 1.0 | | OK | 1 | Goitsemodimo Kgatitswe 526511 05.05.2025 | Train |
| 10023 | R | Read Defined Variable [TT] (MPU1)li_cab_tc1cabinactiver2 = 0.0 | | OK | 0 | Goitsemodimo Kgatitswe 526511 05.05.2025 | Train |
| 10024 | R | Read Defined Variable [TT] (MPU1)li_cab_tc1cabinactiver3 = 1.0 | | OK | 1 | Goitsemodimo Kgatitswe 526511 05.05.2025 | Train |
| 10025 | R | Read Defined Variable [TT] (MPU1)Li_CAB_Tc1CabinActiveR4 = 1.0 | | OK | 1 | Goitsemodimo Kgatitswe 526511 05.05.2025 | Train |
| 10026 | R | Read Defined Variable [TT] (MPU1)Li_CAB_Tc1CabinActiveR5 = 1.0 | | OK | 1 | Goitsemodimo Kgatitswe 526511 05.05.2025 | Train |

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|-------|---|--|----|---|---|-------|
| 10027 | R | Read Defined Variable [TT] (MPU1)Li_CAB_Tc1KeyRelayR3 = 1.0 | OK | 1 | Goitsemodimo Kgatitswe 526511 05.05.2025 | Train |
| 10028 | R | Read Defined Variable [TT] (MPU1)Li_CAB_Tc1KeyRelayR4 = 1.0 | OK | 1 | Goitsemodimo Kgatitswe 526511 05.05.2025 | Train |
| 10029 | R | Read Defined Variable [TT] (MPU1)li_cab_tc1othercabinactive___1 = 1.0 | OK | 1 | Goitsemodimo Kgatitswe 526511 05.05.2025 | Train |
| 10030 | R | Read Defined Variable [TT] (MPU1)li_cab_tc2othercabinactive___1 = 1.0 | OK | 1 | Goitsemodimo Kgatitswe 526511 05.05.2025 | Train |
| 10031 | A | Active cab on TC1 | OK | | Goitsemodimo Kgatitswe 526511 05.05.2025 | Train |
| 10032 | R | Read Defined Variable [TT] (MPU1)li_cab_tc1cabinactiveno = 1.0 | OK | 1 | Goitsemodimo Kgatitswe 526511 05.05.2025 | Train |
| 10033 | R | Read Defined Variable [TT] (MPU1)li_cab_tc1masterkey___1 = 1.0 | OK | 1 | Goitsemodimo Kgatitswe 526511 05.05.2025 | Train |
| 10034 | R | Read Defined Variable [TT] (MPU1)li_cab_tc2masterkey___1 = 0.0 | OK | 0 | Goitsemodimo Kgatitswe 526511 05.05.2025 | Train |
| 10035 | R | Read Defined Variable [TT] (MPU1)Li_CAB_Tc1KeyRelayR1 = 0.0 | OK | 0 | Goitsemodimo Kgatitswe 526511 05.05.2025 | Train |
| 10036 | R | Read Defined Variable [TT] (MPU1)li_cab_tc1keyrelayr2 = 0.0 | OK | 0 | Goitsemodimo Kgatitswe 526511 05.05.2025 | Train |
| 10037 | R | Read Defined Variable [TT] (MPU1)Li_CAB_Tc1KeyRelayR3 = 0.0 | OK | 0 | Goitsemodimo Kgatitswe 526511 05.05.2025 | Train |
| 10038 | R | Read Defined Variable [TT] (MPU1)Li_CAB_Tc1KeyRelayR4 = 0.0 | OK | 0 | Goitsemodimo Kgatitswe 526511 05.05.2025 | Train |
| 10039 | R | Read Defined Variable [TT] (MPU1)li_cab_tc1cabinactiver1 = 0.0 | OK | 0 | Goitsemodimo Kgatitswe 526511 05.05.2025 | Train |
| 10040 | R | Read Defined Variable [TT] (MPU1)li_cab_tc1cabinactiver2 = 1.0 | OK | 1 | Goitsemodimo Kgatitswe 526511 05.05.2025 | Train |

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|-------|---|--|----|---|---|-------|
| 10041 | R | Read Defined Variable [TT] (MPU1)li_cab_tc1cabinactiver3 = 0.0 | OK | 0 | Goitsemodimo Kgatitswe 526511 05.05.2025 | Train |
| 10042 | R | Read Defined Variable [TT] (MPU1)Li_CAB_Tc1CabinActiveR4 = 0.0 | OK | 0 | Goitsemodimo Kgatitswe 526511 05.05.2025 | Train |
| 10043 | R | Read Defined Variable [TT] (MPU1)Li_CAB_Tc1CabinActiveR5 = 0.0 | OK | 0 | Goitsemodimo Kgatitswe 526511 05.05.2025 | Train |
| 10044 | R | Read Defined Variable [TT] (MPU1)li_cab_tc1othercabinactive__1 = 1.0 | OK | 1 | Goitsemodimo Kgatitswe 526511 05.05.2025 | Train |
| 10045 | R | Read Defined Variable [TT] (MPU1)li_cab_tc2othercabinactive__1 = 0.0 | OK | 0 | Goitsemodimo Kgatitswe 526511 05.05.2025 | Train |
| 10046 | I | Train Preparation with Automatic Start button TC1 | OK | | Goitsemodimo Kgatitswe 526511 05.05.2025 | Train |
| 10047 | R | Read Defined Variable [TT] (MPU1)lo_cab_tc1automaticstartr1 = 0.0 | OK | 0 | Goitsemodimo Kgatitswe 526511 05.05.2025 | Train |
| 10048 | R | Read Defined Variable [TT] PNT_AllPantoRaised = 0.0 | OK | 0 | Goitsemodimo Kgatitswe 526511 05.05.2025 | Train |
| 10049 | R | Read Defined Variable [TT] HSC_HscbClosedNum = 0.0 | OK | 0 | Goitsemodimo Kgatitswe 526511 05.05.2025 | Train |
| 10050 | A | Press the automatic start button 20S1 | OK | | Goitsemodimo Kgatitswe 526511 05.05.2025 | Train |
| 10051 | R | Button lamp 20S1 will flash during train preparation and then light steady after preparation process is finish | OK | | Goitsemodimo Kgatitswe 526511 05.05.2025 | Train |
| 10052 | R | Read Defined Variable [TT] (MPU1)lo_cab_tc1automaticstartr1 = 1.0 | OK | 1 | Goitsemodimo Kgatitswe 526511 05.05.2025 | Train |
| 10053 | R | Read Defined Variable [TT] PNT_AllPantoRaised = 1.0 | OK | 1 | Goitsemodimo Kgatitswe 526511 05.05.2025 | Train |
| 10054 | R | Read Defined Variable [TT] HSC_HscbClosedNum = 2.0 | OK | 2 | Goitsemodimo Kgatitswe 526511 05.05.2025 | Train |

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|-------|---|---|----|---|--|-------|
| 10055 | I | Train De-preparation with Automatic Start button TC1 | OK | | Goitsemodimo Kgatitswe 526511 05.05.2025 | Train |
| 10056 | A | Press the automatic start button 20S1 | OK | | Goitsemodimo Kgatitswe 526511 05.05.2025 | Train |
| 10057 | A | Timer 5.0 S | OK | | Goitsemodimo Kgatitswe 526511 05.05.2025 | Train |
| 10058 | R | Read Defined Variable [TT] (MPU1)lo_cab_tc1automaticstartr1 = 0.0 | OK | 0 | Goitsemodimo Kgatitswe 526511 05.05.2025 | Train |
| 10059 | R | Read Defined Variable [TT] PNT_AllPantoRaised = 0.0 | OK | 0 | Goitsemodimo Kgatitswe 526511 05.05.2025 | Train |
| 10060 | R | Read Defined Variable [TT] HSC_HscbClosedNum = 0.0 | OK | 0 | Goitsemodimo Kgatitswe 526511 05.05.2025 | Train |
| 10061 | A | Remove active cab on TC1 | OK | | Goitsemodimo Kgatitswe 526511 05.05.2025 | Train |
| 10062 | I | Standby mode TC1 | OK | | Goitsemodimo Kgatitswe 526511 05.05.2025 | Train |
| 10063 | A | Active cab on TC1 | OK | | Goitsemodimo Kgatitswe 526511 05.05.2025 | Train |
| 10064 | A | Press the automatic start button 20S1 | OK | | Goitsemodimo Kgatitswe 526511 05.05.2025 | Train |
| 10065 | A | Remove active Cab on TC1 | OK | | Goitsemodimo Kgatitswe 526511 05.05.2025 | Train |
| 10066 | A | Manually isolate EB on M4 using the pneumatic cock C2.3/1 | OK | | Goitsemodimo Kgatitswe 526511 05.05.2025 | Train |
| 10067 | A | Press the standby mode button 20S2 and maintain it | OK | | Goitsemodimo Kgatitswe 526511 05.05.2025 | Train |
| 10068 | A | Manually isolate EB on TC1 using the pneumatic cock C1.3/1 | OK | | Goitsemodimo Kgatitswe 526511 05.05.2025 | Train |

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|-------|---|--|----|---|---|-------|
| 10069 | R | The pantograph lower and both HSCB open, then the train shuts down automatically | OK | | Goitsemodimo Kgatitswe 526511 05.05.2025 | Train |
| 10070 | A | Normalize the cock on M4 | OK | | Goitsemodimo Kgatitswe 526511 05.05.2025 | Train |
| 10071 | A | Normalize the cock on TC1 | OK | | Goitsemodimo Kgatitswe 526511 05.05.2025 | Train |
| 10072 | A | Cab Active TC2 | OK | | Goitsemodimo Kgatitswe 526511 05.05.2025 | Train |
| 10073 | A | Insert Driver's Master Key and turn it to ON position | OK | | Goitsemodimo Kgatitswe 526511 05.05.2025 | Train |
| 10074 | A | Put the direction selector switch to FORWARD position | OK | | Goitsemodimo Kgatitswe 526511 05.05.2025 | Train |
| 10075 | A | Try to put the Driver's master key in OFF position or remove it from the cab | OK | | Goitsemodimo Kgatitswe 526511 05.05.2025 | Train |
| 10076 | R | It is not possible to remove or turn the Driver's master key | OK | | Goitsemodimo Kgatitswe 526511 05.05.2025 | Train |
| 10077 | A | Put the direction selector switch to NEUTRAL position | OK | | Goitsemodimo Kgatitswe 526511 05.05.2025 | Train |
| 10078 | A | Turn key to non-active cab | OK | | Goitsemodimo Kgatitswe 526511 05.05.2025 | Train |
| 10079 | A | Open and close the circuit breaker 20Q2 | OK | | Goitsemodimo Kgatitswe 526511 05.05.2025 | Train |
| 10080 | R | Read Defined Variable [TT] (MPU1)li_cab_tc2cabinactiveno = 0.0 | OK | 0 | Goitsemodimo Kgatitswe 526511 05.05.2025 | Train |
| 10081 | R | Read Defined Variable [TT] (MPU1)li_cab_tc1masterkey___1 = 0.0 | OK | 0 | Goitsemodimo Kgatitswe 526511 05.05.2025 | Train |
| 10082 | R | Read Defined Variable [TT] (MPU1)li_cab_tc2masterkey___1 = 0.0 | OK | 0 | Goitsemodimo Kgatitswe 526511 05.05.2025 | Train |

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|-------|---|--|--|----|---|---|-------|
| 10083 | R | Read Defined Variable [TT] (MPU1)li_cab_tc2keyrelay2__1 = 1.0 | | OK | 1 | Goitsemodimo Kgatitswe 526511 05.05.2025 | Train |
| 10084 | R | Read Defined Variable [TT] (MPU1)li_cab_tc2keyrelay1__1 = 1.0 | | OK | 1 | Goitsemodimo Kgatitswe 526511 05.05.2025 | Train |
| 10085 | R | Read Defined Variable [TT] (MPU1)Li_CAB_Tc2KeyRelayR4 = 1.0 | | OK | 1 | Goitsemodimo Kgatitswe 526511 05.05.2025 | Train |
| 10086 | R | Read Defined Variable [TT] (MPU1)li_cab_tc2keyrelay3 = 1.0 | | OK | 1 | Goitsemodimo Kgatitswe 526511 05.05.2025 | Train |
| 10087 | R | Read Defined Variable [TT] (MPU1)Li_CAB_Tc2CabinActiveR1 = 1.0 | | OK | 1 | Goitsemodimo Kgatitswe 526511 05.05.2025 | Train |
| 10088 | R | Read Defined Variable [TT] (MPU1)Li_CAB_Tc2CabinActiveR2 = 0.0 | | OK | 0 | Goitsemodimo Kgatitswe 526511 05.05.2025 | Train |
| 10089 | R | Read Defined Variable [TT] (MPU1)Li_CAB_Tc2CabinActiveR3 = 1.0 | | OK | 1 | Goitsemodimo Kgatitswe 526511 05.05.2025 | Train |
| 10090 | R | Read Defined Variable [TT] (MPU1)Li_CAB_Tc2CabinActiveR4 = 1.0 | | OK | 1 | Goitsemodimo Kgatitswe 526511 05.05.2025 | Train |
| 10091 | R | Read Defined Variable [TT] (MPU1)Li_CAB_Tc2CabinActiveR5 = 1.0 | | OK | 1 | Goitsemodimo Kgatitswe 526511 05.05.2025 | Train |
| 10092 | R | Read Defined Variable [TT] (MPU1)li_cab_tc1othercabinactive__1 = 1.0 | | OK | 1 | Goitsemodimo Kgatitswe 526511 05.05.2025 | Train |
| 10093 | R | Read Defined Variable [TT] (MPU1)li_cab_tc2othercabinactive__1 = 1.0 | | OK | 1 | Goitsemodimo Kgatitswe 526511 05.05.2025 | Train |
| 10094 | R | Read Defined Variable [TT] (MPU1)li_cab_tc1othercabinactive__1 = 1.0 | | OK | 1 | Goitsemodimo Kgatitswe 526511 05.05.2025 | Train |
| 10095 | A | Active cab on TC2 | | OK | | Goitsemodimo Kgatitswe 526511 05.05.2025 | Train |
| 10096 | R | Read Defined Variable [TT] (MPU1)li_cab_tc1masterkey__1 = 0.0 | | OK | 0 | Goitsemodimo Kgatitswe 526511 05.05.2025 | Train |

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|-------|---|--|----|---|---|-------|
| 10097 | R | Read Defined Variable [TT] (MPU1)li_cab_tc2masterkey___1 = 1.0 | OK | 1 | Goitsemodimo Kgatitswe 526511 05.05.2025 | Train |
| 10098 | R | Read Defined Variable [TT] (MPU1)li_cab_tc2keyrelay1___1 = 0.0 | OK | 0 | Goitsemodimo Kgatitswe 526511 05.05.2025 | Train |
| 10099 | R | Read Defined Variable [TT] (MPU1)li_cab_tc2keyrelayr3 = 0.0 | OK | 0 | Goitsemodimo Kgatitswe 526511 05.05.2025 | Train |
| 10100 | R | Read Defined Variable [TT] (MPU1)li_cab_tc2keyrelayr2___1 = 0.0 | OK | 0 | Goitsemodimo Kgatitswe 526511 05.05.2025 | Train |
| 10101 | R | Read Defined Variable [TT] (MPU1)Li_CAB_Tc2KeyRelayR4 = 0.0 | OK | 0 | Goitsemodimo Kgatitswe 526511 05.05.2025 | Train |
| 10102 | R | Read Defined Variable [TT] (MPU1)Li_CAB_Tc2CabinActiveR1 = 0.0 | OK | 0 | Goitsemodimo Kgatitswe 526511 05.05.2025 | Train |
| 10103 | R | Read Defined Variable [TT] (MPU1)Li_CAB_Tc2CabinActiveR2 = 1.0 | OK | 1 | Goitsemodimo Kgatitswe 526511 05.05.2025 | Train |
| 10104 | R | Read Defined Variable [TT] (MPU1)Li_CAB_Tc2CabinActiveR3 = 0.0 | OK | 0 | Goitsemodimo Kgatitswe 526511 05.05.2025 | Train |
| 10105 | R | Read Defined Variable [TT] (MPU1)Li_CAB_Tc2CabinActiveR4 = 0.0 | OK | 0 | Goitsemodimo Kgatitswe 526511 05.05.2025 | Train |
| 10106 | R | Read Defined Variable [TT] (MPU1)Li_CAB_Tc2CabinActiveR5 = 0.0 | OK | 0 | Goitsemodimo Kgatitswe 526511 05.05.2025 | Train |
| 10107 | R | Read Defined Variable [TT] (MPU1)li_cab_tc2cabinactiveno = 1.0 | OK | 1 | Goitsemodimo Kgatitswe 526511 05.05.2025 | Train |
| 10108 | R | Read Defined Variable [TT] (MPU1)li_cab_tc1othercabinactive___1 = 0.0 | OK | 0 | Goitsemodimo Kgatitswe 526511 05.05.2025 | Train |
| 10109 | R | Read Defined Variable [TT] (MPU1)li_cab_tc2othercabinactive___1 = 1.0 | OK | 1 | Goitsemodimo Kgatitswe 526511 05.05.2025 | Train |
| 10110 | I | Train Preparation with Automatic Start button TC2 | OK | | Goitsemodimo Kgatitswe 526511 05.05.2025 | Train |

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|-------|---|--|----|---|---|-------|
| 10111 | R | Read Defined Variable [TT] (MPU1)lo_cab_tc2automaticstartr1 = 0.0 | OK | 0 | Goitsemodimo Kgatitswe 526511 05.05.2025 | Train |
| 10112 | R | Read Defined Variable [TT] PNT_AllPantoRaised = 0.0 | OK | 0 | Goitsemodimo Kgatitswe 526511 05.05.2025 | Train |
| 10113 | R | Read Defined Variable [TT] HSC_HscbClosedNum = 0.0 | OK | 0 | Goitsemodimo Kgatitswe 526511 05.05.2025 | Train |
| 10114 | A | Press the automatic start button 20S1 | OK | | Goitsemodimo Kgatitswe 526511 05.05.2025 | Train |
| 10115 | R | Button lamp 20S1 will flash during train preparation and then light steady after preparation process is finish | OK | | Goitsemodimo Kgatitswe 526511 05.05.2025 | Train |
| 10116 | R | Read Defined Variable [TT] (MPU1)lo_cab_tc2automaticstartr1 = 1.0 | OK | 1 | Goitsemodimo Kgatitswe 526511 05.05.2025 | Train |
| 10117 | R | Read Defined Variable [TT] PNT_AllPantoRaised = 1.0 | OK | 1 | Goitsemodimo Kgatitswe 526511 05.05.2025 | Train |
| 10118 | R | Read Defined Variable [TT] HSC_HscbClosedNum = 2.0 | OK | 2 | Goitsemodimo Kgatitswe 526511 05.05.2025 | Train |
| 10119 | I | Train De-preparation with Automatic Start button TC2 | OK | | Goitsemodimo Kgatitswe 526511 05.05.2025 | Train |
| 10120 | A | Press the automatic start button 20S1 | OK | | Goitsemodimo Kgatitswe 526511 05.05.2025 | Train |
| 10121 | R | Read Defined Variable [TT] (MPU1)lo_cab_tc2automaticstartr1 = 0.0 | OK | 0 | Goitsemodimo Kgatitswe 526511 05.05.2025 | Train |
| 10122 | R | Read Defined Variable [TT] PNT_AllPantoRaised = 0.0 | OK | 0 | Goitsemodimo Kgatitswe 526511 05.05.2025 | Train |
| 10123 | R | Read Defined Variable [TT] HSC_HscbClosedNum = 0.0 | OK | 0 | Goitsemodimo Kgatitswe 526511 05.05.2025 | Train |
| 10124 | I | Double Cabin and cabin change | OK | | Goitsemodimo Kgatitswe 526511 05.05.2025 | Train |

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|-------|---|--|--|----|---|--|-------|
| 10125 | I | Each cabin must have its own Driver's Master key | | OK | | Goitsemodimo Kgatitswe 526511 05.05.2025 | Train |
| 10126 | R | Read Defined Variable [TT] (MPU1)li_cab_tc1cabinactiveno = 0.0 | | OK | 0 | Goitsemodimo Kgatitswe 526511 05.05.2025 | Train |
| 10127 | R | Read Defined Variable [TT] (MPU1)li_cab_tc2cabinactiveno = 1.0 | | OK | 1 | Goitsemodimo Kgatitswe 526511 05.05.2025 | Train |
| 10128 | A | Remove active cab on TC2 | | OK | | Goitsemodimo Kgatitswe 526511 05.05.2025 | Train |
| 10129 | A | Open and close the circuit breaker 20Q2 | | OK | | Goitsemodimo Kgatitswe 526511 05.05.2025 | Train |
| 10130 | R | Read Defined Variable [TT] (MPU1)li_cab_tc2cabinactiveno = 0.0 | | OK | 0 | Goitsemodimo Kgatitswe 526511 05.05.2025 | Train |
| 10131 | R | Read Defined Variable [TT] (MPU1)li_cab_tc1cabinactiveno = 0.0 | | OK | 0 | Goitsemodimo Kgatitswe 526511 05.05.2025 | Train |
| 10132 | A | Activate the cab on TC2 | | OK | | Goitsemodimo Kgatitswe 526511 05.05.2025 | Train |
| 10133 | A | Active cab on TC1 | | OK | | Goitsemodimo Kgatitswe 526511 05.05.2025 | Train |
| 10134 | R | IOS 064 appears on the Driver's event list to notify the driver a second key has been inserted | | OK | | Goitsemodimo Kgatitswe 526511 05.05.2025 | Train |
| 10135 | R | Read Defined Variable [TT] (MPU1)li_cab_tc1cabinactiveno = 0.0 | | OK | 0 | Goitsemodimo Kgatitswe 526511 05.05.2025 | Train |
| 10136 | R | Read Defined Variable [TT] (MPU1)li_cab_tc2cabinactiveno = 1.0 | | OK | 1 | Goitsemodimo Kgatitswe 526511 05.05.2025 | Train |
| 10137 | A | Remove active cab on TC2 | | OK | | Goitsemodimo Kgatitswe 526511 05.05.2025 | Train |
| 10138 | R | Read Defined Variable [TT] (MPU1)li_cab_tc2cabinactiveno = 0.0 | | OK | 0 | Goitsemodimo Kgatitswe 526511 05.05.2025 | Train |

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|-------|---|---|--|----|---|--|-------|
| 10139 | R | IOS 064 disappears on the Driver's event list to notify the driver a second key has been inserted | | OK | | Goitsemodimo Kgatitswe 526511 05.05.2025 | Train |
| 10140 | A | Remove active cab from TC1 | | OK | | Goitsemodimo Kgatitswe 526511 05.05.2025 | Train |
| 10141 | R | Read Defined Variable [TT] (MPU1)li_cab_tc1cabinactiveno = 1.0 | | OK | 1 | Goitsemodimo Kgatitswe 526511 05.05.2025 | Train |
| 10142 | R | Read Defined Variable [TT] (MPU1)li_cab_tc2cabinactiveno = 0.0 | | OK | 0 | Goitsemodimo Kgatitswe 526511 05.05.2025 | Train |
| 10143 | I | Standby mode TC2 | | OK | | Goitsemodimo Kgatitswe 526511 05.05.2025 | Train |
| 10144 | A | Active cab on TC2 | | OK | | Goitsemodimo Kgatitswe 526511 05.05.2025 | Train |
| 10145 | A | Press the automatic start button 20S1 | | OK | | Goitsemodimo Kgatitswe 526511 05.05.2025 | Train |
| 10146 | A | Remove active Cab on TC2 | | OK | | Goitsemodimo Kgatitswe 526511 05.05.2025 | Train |
| 10147 | A | Manually isolate EB on M3 using the pneumatic cock C2.3/1 | | OK | | Goitsemodimo Kgatitswe 526511 05.05.2025 | Train |
| 10148 | A | Press the standby mode button 20S2 and maintain it | | OK | | Goitsemodimo Kgatitswe 526511 05.05.2025 | Train |
| 10149 | A | Manually isolate EB on TC2 using the pneumatic cock C1.3/1 | | OK | | Goitsemodimo Kgatitswe 526511 05.05.2025 | Train |
| 10150 | R | The pantograph lower and both HSCB open, then the train shuts down automatically | | OK | | Goitsemodimo Kgatitswe 526511 05.05.2025 | Train |
| 10151 | A | Normalize the cock on M3 | | OK | | Goitsemodimo Kgatitswe 526511 05.05.2025 | Train |
| 10152 | A | Normalize the cock on TC2 | | OK | | Goitsemodimo Kgatitswe 526511 05.05.2025 | Train |



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|-------|---|-------------|--|----|--|---|-------|
| 10153 | I | End of Test | | OK | | Goitsemodimo Kgatitswe 526511 05.05.2025 | Train |
|-------|---|-------------|--|----|--|---|-------|



Serial Tests Report
TS280 – TFS
RTR Train Functional Static Test Report

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GIB0000008079
Version: A0

Emission date
16/05/2025

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 | | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10002 | I | Initial Conditions | | OK | | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10003 | I | Train should be off | | OK | | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10004 | I | Main lighting | | OK | | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10005 | A | Press the automatic start button 20S1 to prepare the train in High voltage | | OK | | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10006 | I | Main lighting is 100% brightness | | OK | | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10007 | R | Main lighting is (ON) on TC1, verify the left and right LEDs are ON in each row in 100% brightness | | OK | | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10008 | R | Main lighting is (ON) on M4, verify the left and right LEDs are ON in each row in 100% brightness. | | OK | | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10009 | R | Main lighting is (ON) on M1, verify the left and right LEDs are ON in each row in 100% brightness | | OK | | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10010 | R | Main lighting is (ON) on M2, verify the left and right LEDs are ON in each row in 100% brightness | | OK | | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10011 | R | Main lighting is (ON) on M3, verify the left and right LEDs are ON in each row in 100% brightness | | OK | | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10012 | R | Main lighting is (ON) on TC2, verify the left and right LEDs are ON in each row in 100% brightness | | OK | | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10013 | A | Force [TT] (MPU1)lo_lgt_tc1mainlgtcmd = 0.0 | | OK | | Alleta Sekgololo 417407 05.05.2025 | Train |

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|-------|---|---|--|----|--|--|-------|
| 10014 | A | Force [TT] (MPU1)lo_lgt_tc2mainlgtcmd = 0.0 | | OK | | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10015 | R | Emergency lighting is (ON) on TC2, brightness has been reduced to low | | OK | | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10016 | R | Emergency lighting is (ON) on M3, brightness has been reduced to low | | OK | | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10017 | R | Emergency lighting is (ON) on M2, brightness has been reduced to low | | OK | | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10018 | R | Emergency lighting is (ON) on M1, brightness has been reduced to low | | OK | | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10019 | R | Emergency lighting is (ON) on M4, brightness has been reduced to low | | OK | | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10020 | R | Emergency lighting is (ON) on TC1, brightness has been reduced to low | | OK | | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10021 | A | Release [TT] (MPU1)lo_lgt_tc1mainlgtcmd | | OK | | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10022 | A | Release [TT] (MPU1)lo_lgt_tc2mainlgtcmd | | OK | | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10023 | I | End of Test | | OK | | Sizwe Sibanyoni 484647 19.05.2025 | Train |



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TS280 – TFS
RTR Train Functional Static Test Report

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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 | | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10002 | I | Initial Conditions | | OK | | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10003 | I | Main pipe should be 10bar | | OK | | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10004 | I | HSCB is open on M1 and M2 and both pantographs are low | | OK | | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10005 | I | Auxiliary Compressor test must be completed in car level prior to performing this test | | OK | | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10006 | I | Mechanical pantograph test must be completed prior to performing this test | | OK | | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10007 | I | EARTHING SWITCH T1 is in NORMAL Position on M1 | | OK | | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10008 | I | EARTHING SWITCH T1 is in NORMAL Position on M2 | | OK | | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10009 | I | HVB1 valve is in NORMAL position on M1 | | OK | | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10010 | I | HVB1 valve is in NORMAL position on M2 | | OK | | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10011 | I | Start of Test | | OK | | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10012 | A | Active Cab on TC1 | | OK | | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10013 | I | Main Tank pressure switch | | OK | | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10014 | I | Make sure the HSCB is open | | OK | | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10015 | A | Empty the main pipe using the cock F2.1/1 | | OK | | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10016 | A | Connect a manometer on valve K2.8 in M1 and measure the pressure | | OK | | Sinazo Mkhwa 529940 05.05.2025 | Train |

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|-------|---|---|--|----|---|--------------------------------------|-------|
| 10017 | A | Drain the air in the auxiliary compressor pipe using the valve K2.5 in M1 | | OK | | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10018 | I | The sensor of the pantograph reservoir should switch when the pressure reaches 5.5 bar(+/- 10%) | | OK | | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10019 | A | Normalize the valve K2.5 and wait | | OK | | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10020 | R | The auxiliary compressor stops when the pressure reaches 7 bar on K2.8 | | OK | | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10021 | A | Connect a manometer on valve K2.8 in M2 and measure the pressure | | OK | | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10022 | A | Drain the air in the auxiliary compressor pipe using the valve K2.5 in M2 car | | OK | | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10023 | I | The sensor of the pantograph reservoir should switch when the pressure reaches 5.5 bar(+/- 10%) | | OK | | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10024 | A | Normalize the valve K2.5 and wait | | OK | | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10025 | R | The auxiliary compressor stops when the pressure reaches 7 bar on K2.8 | | OK | | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10026 | A | Normalize the main pipe | | OK | | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10027 | A | Close the HSCB | | OK | | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10028 | A | Remove the manometer | | OK | | Sinazo Mkhwa 529940 05.05.2025 | 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 | | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10030 | A | Close the circuit breaker 21Q1 in M2 | | OK | | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10031 | R | Auxiliary compressor starts working | | OK | | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10032 | R | Read Defined Variable [TT] (MPU1)lo_pnt_m1startauxiliarcompr1 = 0.0 | | OK | 0 | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10033 | R | Read Defined Variable [TT] (MPU1)lo_pnt_m1startauxiliarcompr2 = 0.0 | | OK | 0 | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10034 | R | Read Defined Variable [TT] (MPU1)lo_pnt_m2startauxiliarcompr1 = 1.0 | | OK | 1 | Sinazo Mkhwa 529940 05.05.2025 | Train |

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|-------|---|---|--|----|---|--|-------|
| 10035 | R | Read Defined Variable [TT] (MPU1)lo_pnt_m2startauxiliarcompr2 = 1.0 | | OK | 1 | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10036 | A | Remove the manometer nozzle on M2 | | OK | | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10037 | A | Put HVB1 valve in NORMAL position on M2 | | OK | | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10038 | A | Put the earthing switch in NORMAL position on M2 | | OK | | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10039 | A | Put HVB1 valve in NORMAL position on M1 | | OK | | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10040 | A | Put the earthing switch in NORMAL position on M1 | | OK | | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10041 | I | End of Test | | OK | | Mphato Mphahlele 480716 07.05.2025 | Train |

Section 10 – Air Production

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 | | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10002 | I | Initial Conditions | | OK | | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10003 | A | Put the train in LV ready (No High Voltage/No Shore Supply) on TC1 as active cab | | OK | | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10004 | A | Drain the air on TC1 main pipe using the cock F2.1/1 | | OK | | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10005 | R | The pressure gauge of the main pipe is 0 bar | | OK | | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10006 | A | Normalise the cock | | OK | | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10007 | I | Start of Test | | OK | | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10008 | R | Read Defined Variable [TT] (MPU1)air_bcu1airsupplyrunning = 0.0 | | OK | 0 | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10009 | R | Read Defined Variable [TT] (MPU1)air_bcu1airsupplydelay = 0.0 | | OK | 0 | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10010 | A | Open circuit breaker 19Q3 on TC1 | | OK | | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10011 | R | Read Defined Variable [TT] (MPU1)air_bcu1airsupplyok = 0.0 | | OK | 0 | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10012 | A | Close circuit breaker 19Q3 | | OK | | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10013 | R | Read Defined Variable [TT] (MPU1)air_bcu1airsupplyok = 1.0 | | OK | 1 | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10014 | A | Open circuit breaker 19Q3 on TC2 | | OK | | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10015 | R | Read Defined Variable [TT] (MPU1)air_bcu2airsupplyok = 0.0 | | OK | 0 | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10016 | A | Close circuit breaker 19Q3 on TC2 | | OK | | Paseka Ditlhakanyane 491468 05.05.2025 | Train |

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|-------|---|--|----|---|--|-------|
| 10017 | R | Read Defined Variable [TT] (MPU1)air_bcu2airsupplyok = 1.0 | OK | 1 | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10018 | R | Read Defined Variable [TT] (MPU1)air_bcu2airsupplydelay = 0.0 | OK | 0 | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10019 | R | Read Defined Variable [TT] (MPU1)air_bcu2airsupplyrunning = 0.0 | OK | 0 | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10020 | I | Main Compressor operation | OK | | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10021 | A | Press the automatic start button 20S1 | OK | | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10022 | I | Both main air compressors start up | OK | | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10023 | R | Read Defined Variable [TT] (MPU1)lo_air_tc1compenabler1 = 1.0 | OK | 1 | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10024 | R | Read Defined Variable [TT] (MPU1)lo_air_tc1compenabler2 = 1.0 | OK | 1 | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10025 | R | Read Defined Variable [TT] (MPU1)lo_air_tc2compenabler1 = 1.0 | OK | 1 | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10026 | R | Read Defined Variable [TT] (MPU1)lo_air_tc2compenabler2 = 1.0 | OK | 1 | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10027 | R | Read Defined Variable [TT] (MPU1)air_bcu1airsupplyrunning = 1.0 | OK | 1 | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10028 | R | Read Defined Variable [TT] (MPU1)air_bcu2airsupplyrunning = 1.0 | OK | 1 | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10029 | I | It is necessary to check main pipe pressure on the pneumatic gauge of TC1 and TC2 individually | OK | | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10030 | A | Wait for 10 minutes, then read the variables below | OK | | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10031 | R | Read Defined Variable [TT] (MPU1)lo_air_tc1compenabler1 = 0.0 | OK | 0 | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10032 | R | Read Defined Variable [TT] (MPU1)lo_air_tc1compenabler2 = 0.0 | OK | 0 | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10033 | R | Read Defined Variable [TT] (MPU1)lo_air_tc2compenabler1 = 0.0 | OK | 0 | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10034 | R | Read Defined Variable [TT] (MPU1)lo_air_tc2compenabler2 = 0.0 | OK | 0 | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10035 | R | Read Defined Variable [TT] (MPU1)air_bcu1airsupplyrunning = 0.0 | OK | 0 | Paseka Ditlhakanyane 491468 | Train |

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| 10036 | R | Read Defined Variable [TT] (MPU1)air_bcu2airsupplyrunning = 0.0 | OK | 0 | | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10037 | A | Force [TT] NET_TrainTimeEvenDay = 1.0 | OK | | | Paseka Ditlhakanyane 491468 05.05.2025 | 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 | | | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10039 | R | Read Defined Variable [TT] (MPU1)lo_air_tc1compenabler2 = 1.0 | OK | 1 | | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10040 | R | Read Defined Variable [TT] (MPU1)lo_air_tc2compenabler1 = 0.0 | OK | 0 | | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10041 | A | Normalise the cock F2.1/1 and let the compressor runs until it stops | OK | | | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10042 | A | Force [TT] NET_TrainTimeEvenDay = 0.0 | OK | | | Paseka Ditlhakanyane 491468 05.05.2025 | 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 | | | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10044 | R | Read Defined Variable [TT] (MPU1)lo_air_tc1compenabler1 = 0.0 | OK | 0 | | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10045 | R | Read Defined Variable [TT] (MPU1)lo_air_tc2compenabler2 = 1.0 | OK | 1 | | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10046 | I | Compressor Manual Isolation TC1 | OK | | | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10047 | A | Normalise the cock F2.1/1 and let the compressor runs until it stops | OK | | | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10048 | A | Put the pneumatic switch 19S1 to ISOLATION position | OK | | | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10049 | R | Read Defined Variable [TT] (MPU1)li_air_tc1condemnedr1 = 1.0 | OK | 1 | | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10050 | R | Read Defined Variable [TT] (MPU1)li_air_tc1condemnedr2 = 1.0 | OK | 1 | | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10051 | R | Read Defined Variable [TT] (MPU1)air_bcu1airsupplyok = 1.0 | OK | 1 | | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10052 | R | Read Defined Variable [TT] (MPU1)air_bcu1airsupplydelay = 0.0 | OK | 0 | | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10053 | A | Put the pneumatic switch 19S1 to NORMAL position | OK | | | Paseka Ditlhakanyane 491468 05.05.2025 | Train |

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| 10054 | R | Read Defined Variable [TT] (MPU1)li_air_tc1condemnedr1 = 0.0 | | OK | 0 | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10055 | R | Read Defined Variable [TT] (MPU1)li_air_tc1condemnedr2 = 0.0 | | OK | 0 | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10056 | R | Read Defined Variable [TT] (MPU1)air_bcu1airsupplydelay = 0.0 | | OK | 0 | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10057 | R | Read Defined Variable [TT] (MPU1)air_bcu1airsupplyok = 1.0 | | OK | 1 | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10058 | R | | | OK | 984.92 | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10059 | I | Compressor stops when it reaches 10 bar | | OK | | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10060 | R | Read Defined Variable [TT] (MPU1)air_bcu1airsupplyok = 1.0 | | OK | 1 | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10061 | R | Verify that the pressure gauge indicates the correct pressure values, according to the DDU BC: Brake cylinder(yellow indicator) MRP: Main Pipe(Red indicator) |  | OK | | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10062 | I | Compressor Remote Isolation TC1 | | OK | | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10063 | R | Read Defined Variable [TT] (MPU1)air_bcu2airsupplydelay = 0.0 | | OK | 0 | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10064 | R | Read Defined Variable [TT] (MPU1)li_air_tc1mcbcompressor = 1.0 | | OK | 1 | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10065 | R | Read Defined Variable [TT] (MPU1)li_air_tc1remotecb = 1.0 | | OK | 1 | Paseka Ditlhakanyane 491468 05.05.2025 | 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 | | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10067 | A | Release the air in the main pipe until it reaches below 8.5 bar | | OK | | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10068 | A | Open circuit breaker 19Q3 | | OK | | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10069 | R | Read Defined Variable [TT] (MPU1)air_bcu1airsupplyrunning = 1.0 | | OK | 1 | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10070 | A | Press the button 19S2 and hold | | OK | | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10071 | R | Read Defined Variable [TT] (MPU1)li_air_tc1remotecb = 0.0 | | OK | 0 | Paseka Ditlhakanyane 491468 05.05.2025 | Train |


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| 10072 | R | Read Defined Variable [TT] (MPU1)li_air_tc1mcbcompressor = 1.0 | OK | 1 | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10073 | R | Read Defined Variable [TT] (MPU1)air_bcu1airsupplyrunning = 1.0 | OK | 1 | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10074 | A | Release the button 19S2 | OK | | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10075 | R | Read Defined Variable [TT] (MPU1)li_air_tc1mcbcompressor = 1.0 | OK | 1 | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10076 | R | Read Defined Variable [TT] (MPU1)li_air_tc1remotecb = 1.0 | OK | 1 | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10077 | R | Read Defined Variable [TT] (MPU1)air_bcu1airsupplyrunning = 1.0 | OK | 1 | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10078 | A | Open circuit breaker 19Q2 in the LVB | OK | | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10079 | R | Read Defined Variable [TT] (MPU1)li_air_tc1mcbcompressor = 0.0 | OK | 0 | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10080 | A | Press and hold the button 19S2 | OK | | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10081 | R | Read Defined Variable [TT] (MPU1)li_air_tc1remotecb = 0.0 | OK | 0 | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10082 | A | Release the button 19S2 | OK | | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10083 | R | Read Defined Variable [TT] (MPU1)lo_air_tc1remotecb = 0.0 | OK | 0 | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10084 | A | Close circuit breaker 19Q3 | OK | | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10085 | A | Press 19S2 and RELEASE in less than a second | OK | | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10086 | R | Read Defined Variable [TT] (MPU1)li_air_tc1remotecb = 1.0 | OK | 1 | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10087 | R | Read Defined Variable [TT] (MPU1)li_air_tc1mcbcompressor = 1.0 | OK | 1 | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10088 | R | Read Defined Variable [TT] (MPU1)air_bcu1airsupplyrunning = 1.0 | OK | 1 | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10089 | I | Compressor Manual Isolation TC2 | OK | | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10090 | A | Put the pneumatic switch 19S1 to ISOLATION position | OK | | Paseka Ditlhakanyane 491468 | Train |

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| 10091 | R | Read Defined Variable [TT] (MPU1)li_air_tc2condemnedr1 = 1.0 | OK | 1 | | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10092 | R | Read Defined Variable [TT] (MPU1)li_air_tc2condemnedr2 = 1.0 | OK | 1 | | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10093 | R | Read Defined Variable [TT] (MPU1)air_bcu1airsupplyrunning = 0.0 | OK | 0 | | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10094 | A | Force [TT] (MPU1)lo_air_tc2compenabler2 = 1.0 | OK | | | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10095 | R | Read Defined Variable [TT] (MPU1)air_bcu2airsupplyrunning = 0.0 | OK | 0 | | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10096 | R | Read Defined Variable [TT] (MPU1)air_bcu2airsupplyok = 1.0 | OK | 1 | | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10097 | R | Read Defined Variable [TT] (MPU1)air_bcu2airsupplydelay = 0.0 | OK | 0 | | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10098 | A | Put the pneumatic switch 19S1 to NORMAL position | OK | | | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10099 | R | Read Defined Variable [TT] (MPU1)li_air_tc2condemnedr1 = 0.0 | OK | 0 | | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10100 | R | Read Defined Variable [TT] (MPU1)li_air_tc2condemnedr2 = 0.0 | OK | 0 | | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10101 | R | Read Defined Variable [TT] (MPU1)air_bcu2airsupplyrunning = 1.0 | OK | 1 | | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10102 | R | Read Defined Variable [TT] (MPU1)air_bcu2airsupplydelay = 0.0 | OK | 0 | | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10103 | R | Read Defined Variable [TT] (MPU1)air_bcu2airsupplyok = 1.0 | OK | 1 | | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10104 | I | Compressor stops when it reaches 10 bar | OK | | | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10105 | R | | OK | 954.1 | | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10106 | R | Read Defined Variable [TT] (MPU1)air_bcu2airsupplyrunning = 0.0 | OK | 0 | | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10107 | A | Remove active cab on TC1 | OK | | | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10108 | R | Read Defined Variable [TT] (MPU1)air_bcu2airsupplyok = 1.0 | OK | 1 | | Paseka Ditlhakanyane 491468 05.05.2025 | Train |

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| 10109 | A | Active cab on TC2 | | OK | | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10110 | R | Read Defined Variable [TT] (MPU1)air_bcu2airsupplydelay = 0.0 | | OK | 0 | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10111 | I | Compressor Remote Isolation TC2 | | OK | | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10112 | R | Read Defined Variable [TT] (MPU1)li_air_tc2mcbcompressor = 1.0 | | OK | 1 | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10113 | R | Read Defined Variable [TT] (MPU1)li_air_tc2remotecb = 1.0 | | OK | 1 | Paseka Ditlhakanyane 491468 05.05.2025 | 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 | | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10115 | A | Release the air in the main pipe until it reaches below 8.5 bar | | OK | | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10116 | R | Read Defined Variable [TT] (MPU1)air_bcu2airsupplyrunning = 1.0 | | OK | 1 | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10117 | A | Open circuit breaker 19Q3 | | OK | | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10118 | A | Press and hold the button 19S2 | | OK | | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10119 | R | Read Defined Variable [TT] (MPU1)li_air_tc2remotecb = 0.0 | | OK | 0 | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10120 | R | Read Defined Variable [TT] (MPU1)li_air_tc2mcbcompressor = 1.0 | | OK | 1 | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10121 | A | Release the button 19S2 | | OK | | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10122 | R | Read Defined Variable [TT] (MPU1)li_air_tc2mcbcompressor = 1.0 | | OK | 1 | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10123 | R | Read Defined Variable [TT] (MPU1)li_air_tc2remotecb = 1.0 | | OK | 1 | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10124 | A | Open circuit breaker 19Q2 in LVB | | OK | | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10125 | R | Read Defined Variable [TT] (MPU1)li_air_tc2mcbcompressor = 0.0 | | OK | 0 | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10126 | A | Press and hold the button 19S2 | | OK | | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10127 | R | Read Defined Variable [TT] (MPU1)li_air_tc2remotecb = 0.0 | | OK | 0 | Paseka Ditlhakanyane 491468 | Train |

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| 10128 | A | Release the button 19S2 | | OK | | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10129 | A | Close circuit breaker 19Q3 | | OK | | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10130 | R | Read Defined Variable [TT] (MPU1)lo_air_tc2remotecb = 0.0 | | OK | 0 | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10131 | A | Press 19S2 and RELEASE in less than a second | | OK | | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10132 | R | Read Defined Variable [TT] (MPU1)li_air_tc2mcbcompressor = 1.0 | | OK | 1 | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10133 | R | Read Defined Variable [TT] (MPU1)air_bcu2airsupplyrunning = 1.0 | | OK | 1 | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10134 | R | Read Defined Variable [TT] (MPU1)li_air_tc2remotecb = 1.0 | | OK | 1 | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10135 | I | Air tightness of Main pipe and other pneumatic systems on train | | OK | | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10136 | A | Force [TT] (MPU1)lo_air_tc1compenabler1 = 0.0 | | OK | | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10137 | A | Force [TT] (MPU1)lo_air_tc2compenabler1 = 0.0 | | OK | | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10138 | A | Empty the main pipe pressure using draining cock A5/1 until it reaches below 7.5 bar | | OK | | Paseka Ditlhakanyane 491468 05.05.2025 | 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 | | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10140 | A | Release [TT] (MPU1)lo_air_tc1compenabler1 | | OK | | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10141 | A | Release [TT] (MPU1)lo_air_tc2compenabler1 | | OK | | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10142 | I | Only one compressor starts when the pressure reaches below 8.5 bar. At 10bar +/- 0.2 bar the compressor stops. | | OK | | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10143 | I | After 10 minutes, the air in the main pipe should not be less than 9.3 bar | | OK | | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10144 | R | Read Undefined Variable [TT] (MPU1)air_bcu1mrpres | | OK | 947.78 | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10145 | I | Air tightness of main reservoirs and associated devices combined with other pneumatic equipment's | | OK | | Paseka Ditlhakanyane 491468 05.05.2025 | Train |

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| 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 | | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10147 | A | Reset the air in the main pipe to 10 bar+/- 0.2 bar | OK | | Paseka Ditlhakanyane 491468 05.05.2025 | 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 | | Paseka Ditlhakanyane 491468 05.05.2025 | 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 | | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10150 | R | | OK | 9.8 | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10151 | A | NORMALISE the isolation cocks C1.3/1 and C2.3/1 | OK | | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10152 | I | Air tightness of brake cylinders and auxiliary reservoirs | OK | | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10153 | R | The pressure on the pneumatic indicator is 10 bar +/-0.2 bar | OK | | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10154 | A | Select driving direction to FORWARD position | OK | | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10155 | A | Put Master Controller in 100% Service brake position | OK | | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10156 | A | Using the manometer, check the SB values in each brake panel, in each car the pressure should not decrease more than 20kPa in over 12 minutes | OK | | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10157 | R | SB TC1Result Min/Max : 118<= x <= 158 (kPa) | OK | 138 | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10158 | R | SB M4Result Min/Max : 133<= x <= 173 (kPa) | OK | 141 | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10159 | R | SB M1Result Min/Max : 137<= x <= 177 (kPa) | OK | 138 | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10160 | R | SB M2Result Min/Max : 137<= x <= 176 (kPa) | OK | 138 | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10161 | R | SB M3Result Min/Max : 133<= x <= 173 (kPa) | OK | 140 | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10162 | R | SB TC2Result Min/Max : 118<= x <= 158 (kPa) | OK | 140 | Paseka Ditlhakanyane 491468 05.05.2025 | Train |

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| 10163 | R | Verify that the pressure gauge indicates the correct pressure values, according to the DDU BC: Brake cylinder(yellow indicator) MRP: Main Pipe(Red indicator) |  | OK | | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10164 | I | Draining Cock for Intercar | | OK | | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10165 | I | Air in the main pipe should be 10 bar +/- 0.2 bar | | OK | | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10166 | A | This test is to ensure that the draining cocks are fully functional | | OK | | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10167 | A | Isolate all the cocks from M3 to M4 | | OK | | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10168 | A | Drain the air on TC1 car using the cock F2.1/1 | | OK | | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10169 | A | Drain the air on M4 car using the cock F2.1/1 | | OK | | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10170 | A | Drain the air on M1 car using the cock F2.1/1 | | OK | | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10171 | A | Drain the air on M2 car using the cock F2.1/1 | | OK | | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10172 | A | Drain the air on M3 car using the cock F2.1/1 | | OK | | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10173 | A | Drain the air on TC2 car using the cock F2.1/1 | | OK | | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10174 | A | Normalise all the cocks | | OK | | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10175 | A | Use the tool on the top right corner to add the manometer used for this test (serial number) | | OK | | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10176 | I | End of Test | | OK | | Paseka Ditlhakanyane 491468 05.05.2025 | Train |



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| Serial Tests Report TS280 – TFS RTR Train Functional Static Test Report | Document Reference GIB0000008079 Version: A0 | Emission date 16/05/2025 |
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Section 11 – Monitoring Circuit Breakers

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 | | Sithembile Xulu 416253 06.05.2025 | Train |
| 10002 | I | TC1 | | OK | | Sithembile Xulu 416253 06.05.2025 | Train |
| 10003 | A | Open the circuit breaker 15Q4 | | OK | | Sithembile Xulu 416253 06.05.2025 | Train |
| 10004 | R | Read Defined Variable [TT] (MPU1)li_ddk_tc1cb110distrib = 0.0 | | OK | 0 | Sithembile Xulu 416253 06.05.2025 | Train |
| 10005 | A | Close the circuit breaker 15Q4 | | OK | | Sithembile Xulu 416253 06.05.2025 | Train |
| 10006 | R | Read Defined Variable [TT] (MPU1)li_ddk_tc1cb110distrib = 1.0 | | OK | 1 | Sithembile Xulu 416253 06.05.2025 | Train |
| 10007 | A | Open the circuit breaker 13Q1 | | OK | | Sithembile Xulu 416253 06.05.2025 | Train |
| 10008 | R | Read Defined Variable [TT] (MPU1)li_ddk_tc1cb230distrib = 0.0 | | OK | 0 | Sithembile Xulu 416253 06.05.2025 | Train |
| 10009 | A | Close the circuit breaker 13Q1 | | OK | | Sithembile Xulu 416253 06.05.2025 | Train |
| 10010 | R | Read Defined Variable [TT] (MPU1)li_ddk_tc1cb230distrib = 1.0 | | OK | 1 | Sithembile Xulu 416253 06.05.2025 | Train |
| 10011 | A | Open the circuit breaker 57Q1 | | OK | | Sithembile Xulu 416253 06.05.2025 | Train |
| 10012 | R | Read Defined Variable [TT] (MPU1)li_ddk_tc1cb400distrib = 0.0 | | OK | 0 | Sithembile Xulu 416253 06.05.2025 | Train |
| 10013 | A | Close the circuit breaker 57Q1 | | OK | | Sithembile Xulu 416253 06.05.2025 | Train |
| 10014 | R | Read Defined Variable [TT] (MPU1)li_ddk_tc1cb400distrib = 1.0 | | OK | 1 | Sithembile Xulu 416253 06.05.2025 | Train |
| 10015 | A | Open the circuit breaker 72Q1 | | OK | | Sithembile Xulu 416253 06.05.2025 | Train |
| 10016 | R | Read Defined Variable [TT] (MPU1)li_ddk_tc1cbauxfct = 0.0 | | OK | 0 | Sithembile Xulu 416253 06.05.2025 | Train |

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| 10017 | A | Close the circuit breaker 72Q1 | | OK | | Sithembile Xulu 416253 06.05.2025 | Train |
| 10018 | R | Read Defined Variable [TT] (MPU1)li_ddk_tc1cbauxfct = 1.0 | | OK | 1 | Sithembile Xulu 416253 06.05.2025 | Train |
| 10019 | A | Open the circuit breaker 40Q4 | | OK | | Sithembile Xulu 416253 06.05.2025 | Train |
| 10020 | R | Read Defined Variable [TT] (MPU1)li_ddk_tc1cbbrake = 0.0 | | OK | 0 | Sithembile Xulu 416253 06.05.2025 | Train |
| 10021 | A | Close the circuit breaker 40Q4 | | OK | | Sithembile Xulu 416253 06.05.2025 | Train |
| 10022 | R | Read Defined Variable [TT] (MPU1)li_ddk_tc1cbbrake = 1.0 | | OK | 1 | Sithembile Xulu 416253 06.05.2025 | Train |
| 10023 | A | Open the circuit breaker 50Q7 | | OK | | Sithembile Xulu 416253 06.05.2025 | Train |
| 10024 | R | Read Defined Variable [TT] (MPU1)li_ddk_tc1cbdoors = 0.0 | | OK | 0 | Sithembile Xulu 416253 06.05.2025 | Train |
| 10025 | A | Close the circuit breaker 50Q7 | | OK | | Sithembile Xulu 416253 06.05.2025 | Train |
| 10026 | R | Read Defined Variable [TT] (MPU1)li_ddk_tc1cbdoors = 1.0 | | OK | 1 | Sithembile Xulu 416253 06.05.2025 | Train |
| 10027 | A | Open the circuit breaker 22Q1 | | OK | | Sithembile Xulu 416253 06.05.2025 | Train |
| 10028 | R | Read Defined Variable [TT] (MPU1)li_ddk_tc1cbenergy = 0.0 | | OK | 0 | Sithembile Xulu 416253 06.05.2025 | Train |
| 10029 | A | Close the circuit breaker 22Q1 | | OK | | Sithembile Xulu 416253 06.05.2025 | Train |
| 10030 | R | Read Defined Variable [TT] (MPU1)li_ddk_tc1cbenergy = 1.0 | | OK | 1 | Sithembile Xulu 416253 06.05.2025 | Train |
| 10031 | A | Open the circuit breaker 44Q1 | | OK | | Sithembile Xulu 416253 06.05.2025 | Train |
| 10032 | R | Read Defined Variable [TT] (MPU1)li_ddk_tc1cbsafetyfctr1 = 0.0 | | OK | 0 | Sithembile Xulu 416253 06.05.2025 | Train |
| 10033 | R | Read Defined Variable [TT] (MPU1)li_ddk_tc1cbsafetyfctr2 = 0.0 | | OK | 0 | Sithembile Xulu 416253 06.05.2025 | Train |
| 10034 | A | Close the circuit breaker 44Q1 | | OK | | Sithembile Xulu 416253 06.05.2025 | Train |
| 10035 | R | Read Defined Variable [TT] (MPU1)li_ddk_tc1cbsafetyfctr1 = 1.0 | | OK | 1 | Sithembile Xulu 416253 | Train |

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| | | | | | | 06.05.2025 | |
| 10036 | R | Read Defined Variable [TT] (MPU1)li_ddk_tc1cbsafetyctr2 = 1.0 | OK | 1 | Sithembile Xulu 416253 06.05.2025 | Train | |
| 10037 | A | Open the circuit breaker 72Q2 | OK | | Sithembile Xulu 416253 06.05.2025 | Train | |
| 10038 | R | Read Defined Variable [TT] (MPU1)li_ddk_tc1cbsockets = 0.0 | OK | 0 | Sithembile Xulu 416253 06.05.2025 | Train | |
| 10039 | A | Close the circuit breaker 72Q2 | OK | | Sithembile Xulu 416253 06.05.2025 | Train | |
| 10040 | R | Read Defined Variable [TT] (MPU1)li_ddk_tc1cbsockets = 1.0 | OK | 1 | Sithembile Xulu 416253 06.05.2025 | Train | |
| 10041 | A | Open the circuit breaker 25Q11 | OK | | Sithembile Xulu 416253 06.05.2025 | Train | |
| 10042 | R | Read Defined Variable [TT] (MPU2)Li_DDK_Tc1CbTcms1R2 = 0.0 | OK | 0 | Sithembile Xulu 416253 06.05.2025 | Train | |
| 10043 | A | Close the circuit breaker 25Q11 | OK | | Sithembile Xulu 416253 06.05.2025 | Train | |
| 10044 | A | Open the circuit breaker 25Q13 | OK | | Sithembile Xulu 416253 06.05.2025 | Train | |
| 10045 | R | Read Defined Variable [TT] (MPU1)li_ddk_tc1cbtcms1r1 = 0.0 | OK | 0 | Sithembile Xulu 416253 06.05.2025 | Train | |
| 10046 | A | Close the circuit breaker 25Q13 | OK | | Sithembile Xulu 416253 06.05.2025 | Train | |
| 10047 | R | Read Defined Variable [TT] (MPU1)li_ddk_tc1cbtcms1r1 = 1.0 | OK | 1 | Sithembile Xulu 416253 06.05.2025 | Train | |
| 10048 | R | Read Defined Variable [TT] (MPU1)li_ddk_tc1cbtcms1r2 = 1.0 | OK | 1 | Sithembile Xulu 416253 06.05.2025 | Train | |
| 10049 | A | Open the circuit breaker 25Q10 | OK | | Sithembile Xulu 416253 06.05.2025 | Train | |
| 10050 | R | Read Defined Variable [TT] (MPU1)li_ddk_tc1cbtcms2r1 = 0.0 | OK | 0 | Sithembile Xulu 416253 06.05.2025 | Train | |
| 10051 | R | Read Defined Variable [TT] (MPU1)li_ddk_tc1cbtcms2r2 = 0.0 | OK | 0 | Sithembile Xulu 416253 06.05.2025 | Train | |
| 10052 | A | Close the circuit breaker 25Q10 | OK | | Sithembile Xulu 416253 06.05.2025 | Train | |
| 10053 | R | Read Defined Variable [TT] (MPU1)li_ddk_tc1cbtcms2r1 = 1.0 | OK | 1 | Sithembile Xulu 416253 06.05.2025 | Train | |

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| 10054 | R | Read Defined Variable [TT] (MPU1)li_ddk_tc1cbtcms2r2 = 1.0 | OK | 1 | Sithembile Xulu 416253 06.05.2025 | Train |
| 10055 | A | Open the circuit breaker 75Q1 | OK | | Sithembile Xulu 416253 06.05.2025 | Train |
| 10056 | R | Read Defined Variable [TT] (MPU1)li_ddk_tc1cbdrivingfctr1 = 0.0 | OK | 0 | Sithembile Xulu 416253 06.05.2025 | Train |
| 10057 | R | Read Defined Variable [TT] (MPU1)li_ddk_tc1cbdrivingfctr2 = 0.0 | OK | 0 | Sithembile Xulu 416253 06.05.2025 | Train |
| 10058 | A | Close the circuit breaker 75Q1 | OK | | Sithembile Xulu 416253 06.05.2025 | Train |
| 10059 | R | Read Defined Variable [TT] (MPU1)li_ddk_tc1cbdrivingfctr1 = 1.0 | OK | 1 | Sithembile Xulu 416253 06.05.2025 | Train |
| 10060 | R | Read Defined Variable [TT] (MPU1)li_ddk_tc1cbdrivingfctr2 = 1.0 | OK | 1 | Sithembile Xulu 416253 06.05.2025 | Train |
| 10061 | I | M4 | OK | | Sithembile Xulu 416253 06.05.2025 | Train |
| 10062 | A | Open the circuit breaker 15Q4 | OK | | Sithembile Xulu 416253 06.05.2025 | Train |
| 10063 | R | Read Defined Variable [TT] (MPU1)li_ddk_m4cb110distrib = 0.0 | OK | 0 | Sithembile Xulu 416253 06.05.2025 | Train |
| 10064 | A | Close the circuit breaker 15Q4 | OK | | Sithembile Xulu 416253 06.05.2025 | Train |
| 10065 | R | Read Defined Variable [TT] (MPU1)li_ddk_m4cb110distrib = 1.0 | OK | 1 | Sithembile Xulu 416253 06.05.2025 | Train |
| 10066 | A | Open the circuit breaker 13Q1 | OK | | Sithembile Xulu 416253 06.05.2025 | Train |
| 10067 | R | Read Defined Variable [TT] (MPU1)li_ddk_m4cb230distrib = 0.0 | OK | 0 | Sithembile Xulu 416253 06.05.2025 | Train |
| 10068 | A | Close the circuit breaker 13Q1 | OK | | Sithembile Xulu 416253 06.05.2025 | Train |
| 10069 | R | Read Defined Variable [TT] (MPU1)li_ddk_m4cb230distrib = 1.0 | OK | 1 | Sithembile Xulu 416253 06.05.2025 | Train |
| 10070 | A | Open the circuit breaker 57Q1 | OK | | Sithembile Xulu 416253 06.05.2025 | Train |
| 10071 | R | Read Defined Variable [TT] (MPU1)li_ddk_m4cb400distrib = 0.0 | OK | 0 | Sithembile Xulu 416253 06.05.2025 | Train |
| 10072 | A | Close the circuit breaker 57Q1 | OK | | Sithembile Xulu 416253 | Train |

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| 10073 | R | Read Defined Variable [TT] (MPU1)li_ddk_m4cb400distrib = 1.0 | OK | 1 | Sithembile Xulu 416253 06.05.2025 | Train | |
| 10074 | A | Open the circuit breaker 40Q1 | OK | | Sithembile Xulu 416253 06.05.2025 | Train | |
| 10075 | R | Read Defined Variable [TT] (MPU1)li_ddk_m4cbbrake = 0.0 | OK | 0 | Sithembile Xulu 416253 06.05.2025 | Train | |
| 10076 | A | Close the circuit breaker 40Q1 | OK | | Sithembile Xulu 416253 06.05.2025 | Train | |
| 10077 | R | Read Defined Variable [TT] (MPU1)li_ddk_m4cbbrake = 1.0 | OK | 1 | Sithembile Xulu 416253 06.05.2025 | Train | |
| 10078 | A | Open the circuit breaker 50Q4 | OK | | Sithembile Xulu 416253 06.05.2025 | Train | |
| 10079 | R | Read Defined Variable [TT] (MPU1)li_ddk_m4cbdoors = 0.0 | OK | 0 | Sithembile Xulu 416253 06.05.2025 | Train | |
| 10080 | A | Close the circuit breaker 50Q4 | OK | | Sithembile Xulu 416253 06.05.2025 | Train | |
| 10081 | R | Read Defined Variable [TT] (MPU1)li_ddk_m4cbdoors = 1.0 | OK | 1 | Sithembile Xulu 416253 06.05.2025 | Train | |
| 10082 | A | Open the circuit breaker 57Q2 | OK | | Sithembile Xulu 416253 06.05.2025 | Train | |
| 10083 | R | Read Defined Variable [TT] (MPU1)li_ddk_m4cbhvac = 0.0 | OK | 0 | Sithembile Xulu 416253 06.05.2025 | Train | |
| 10084 | R | Read Defined Variable [TT] (MPU1)li_ddk_m4cbhvac = 0.0 | OK | 0 | Sithembile Xulu 416253 06.05.2025 | Train | |
| 10085 | A | Close the circuit breaker 57Q2 | OK | | Sithembile Xulu 416253 06.05.2025 | Train | |
| 10086 | R | Read Defined Variable [TT] (MPU1)li_ddk_m4cbhvac = 1.0 | OK | 1 | Sithembile Xulu 416253 06.05.2025 | Train | |
| 10087 | A | Open the circuit breaker 52Q4 | OK | | Sithembile Xulu 416253 06.05.2025 | Train | |
| 10088 | R | Read Defined Variable [TT] (MPU1)li_ddk_m4cblighting = 0.0 | OK | 0 | Sithembile Xulu 416253 06.05.2025 | Train | |
| 10089 | A | Close the circuit breaker 52Q4 | OK | | Sithembile Xulu 416253 06.05.2025 | Train | |
| 10090 | R | Read Defined Variable [TT] (MPU1)li_ddk_m4cblighting = 1.0 | OK | 1 | Sithembile Xulu 416253 06.05.2025 | Train | |

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| 10091 | A | Open the circuit breaker 54Q10 | | OK | | Sithembile Xulu 416253 06.05.2025 | Train |
| 10092 | R | Read Defined Variable [TT] (MPU1)li_ddk_m4cbpacs = 0.0 | | OK | 0 | Sithembile Xulu 416253 06.05.2025 | Train |
| 10093 | A | Close the circuit breaker 54Q10 | | OK | | Sithembile Xulu 416253 06.05.2025 | Train |
| 10094 | R | Read Defined Variable [TT] (MPU1)li_ddk_m4cbpacs = 1.0 | | OK | 1 | Sithembile Xulu 416253 06.05.2025 | Train |
| 10095 | A | Open the circuit breaker 44Q1 | | OK | | Sithembile Xulu 416253 06.05.2025 | Train |
| 10096 | R | Read Defined Variable [TT] (MPU1)li_ddk_m4cbsafetyfctr1 = 0.0 | | OK | 0 | Sithembile Xulu 416253 06.05.2025 | Train |
| 10097 | R | Read Defined Variable [TT] (MPU1)li_ddk_m4cbsafetyfctr2 = 0.0 | | OK | 0 | Sithembile Xulu 416253 06.05.2025 | Train |
| 10098 | A | Close the circuit breaker 44Q1 | | OK | | Sithembile Xulu 416253 06.05.2025 | Train |
| 10099 | R | Read Defined Variable [TT] (MPU1)li_ddk_m4cbsafetyfctr1 = 1.0 | | OK | 1 | Sithembile Xulu 416253 06.05.2025 | Train |
| 10100 | R | Read Defined Variable [TT] (MPU1)li_ddk_m4cbsafetyfctr2 = 1.0 | | OK | 1 | Sithembile Xulu 416253 06.05.2025 | Train |
| 10101 | A | Open the circuit breaker 13Q2 | | OK | | Sithembile Xulu 416253 06.05.2025 | Train |
| 10102 | R | Read Defined Variable [TT] (MPU1)li_ddk_m4cbsockets = 0.0 | | OK | 0 | Sithembile Xulu 416253 06.05.2025 | Train |
| 10103 | A | Close the circuit breaker 13Q2 | | OK | | Sithembile Xulu 416253 06.05.2025 | Train |
| 10104 | R | Read Defined Variable [TT] (MPU1)li_ddk_m4cbsockets = 1.0 | | OK | 1 | Sithembile Xulu 416253 06.05.2025 | Train |
| 10105 | A | Open the circuit breaker 25Q6 | | OK | | Sithembile Xulu 416253 06.05.2025 | Train |
| 10106 | R | Read Defined Variable [TT] (MPU1)li_ddk_m4cbtcms1r1 = 0.0 | | OK | 0 | Sithembile Xulu 416253 06.05.2025 | Train |
| 10107 | R | Read Defined Variable [TT] (MPU1)li_ddk_m4cbtcms1r2 = 0.0 | | OK | 0 | Sithembile Xulu 416253 06.05.2025 | Train |
| 10108 | A | Close the circuit breaker 25Q6 | | OK | | Sithembile Xulu 416253 06.05.2025 | Train |
| 10109 | R | Read Defined Variable [TT] (MPU1)li_ddk_m4cbtcms1r1 = 1.0 | | OK | 1 | Sithembile Xulu 416253 | Train |

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| 10110 | R | Read Defined Variable [TT] (MPU1)li_ddk_m4cbtcms1r2 = 1.0 | OK | 1 | Sithembile Xulu 416253 06.05.2025 | Train | |
| 10111 | A | Open the circuit breaker 25Q10 | OK | | Sithembile Xulu 416253 06.05.2025 | Train | |
| 10112 | R | Read Defined Variable [TT] (MPU1)li_ddk_m4cbtcms2r1 = 0.0 | OK | 0 | Sithembile Xulu 416253 06.05.2025 | Train | |
| 10113 | A | Close the circuit breaker 25Q10 | OK | | Sithembile Xulu 416253 06.05.2025 | Train | |
| 10114 | A | Open the circuit breaker 25Q14 | OK | | Sithembile Xulu 416253 06.05.2025 | Train | |
| 10115 | R | Read Defined Variable [TT] (MPU1)li_ddk_m4cbtcms2r2 = 0.0 | OK | 0 | Sithembile Xulu 416253 06.05.2025 | Train | |
| 10116 | A | Close the circuit breaker 25Q14 | OK | | Sithembile Xulu 416253 06.05.2025 | Train | |
| 10117 | R | Read Defined Variable [TT] (MPU1)li_ddk_m4cbtcms2r1 = 1.0 | OK | 1 | Sithembile Xulu 416253 06.05.2025 | Train | |
| 10118 | R | Read Defined Variable [TT] (MPU1)li_ddk_m4cbtcms2r2 = 1.0 | OK | 1 | Sithembile Xulu 416253 06.05.2025 | Train | |
| 10119 | A | Open the circuit breaker 33Q1 | OK | | Sithembile Xulu 416253 06.05.2025 | Train | |
| 10120 | R | Read Defined Variable [TT] (MPU1)li_ddk_m4cbtraction = 0.0 | OK | 0 | Sithembile Xulu 416253 06.05.2025 | Train | |
| 10121 | A | Close the circuit breaker 33Q1 | OK | | Sithembile Xulu 416253 06.05.2025 | Train | |
| 10122 | R | Read Defined Variable [TT] (MPU1)li_ddk_m4cbtraction = 1.0 | OK | 1 | Sithembile Xulu 416253 06.05.2025 | Train | |
| 10123 | A | Open the circuit breaker 55Q2 | OK | | Sithembile Xulu 416253 06.05.2025 | Train | |
| 10124 | R | Read Defined Variable [TT] (MPU1)li_ddk_m4cbvideoinfo = 0.0 | OK | 0 | Sithembile Xulu 416253 06.05.2025 | Train | |
| 10125 | A | Close the circuit breaker 55Q2 | OK | | Sithembile Xulu 416253 06.05.2025 | Train | |
| 10126 | R | Read Defined Variable [TT] (MPU1)li_ddk_m4cbvideoinfo = 1.0 | OK | 1 | Sithembile Xulu 416253 06.05.2025 | Train | |
| 10127 | I | M1 | OK | | Sithembile Xulu 416253 06.05.2025 | Train | |

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| 10128 | A | Open the circuit breaker 15Q4 | | OK | | Sithembile Xulu 416253 06.05.2025 | Train |
| 10129 | R | Read Defined Variable [TT] (MPU1)li_ddk_m1cb110distrib = 0.0 | | OK | 0 | Sithembile Xulu 416253 06.05.2025 | Train |
| 10130 | A | Close the circuit breaker 15Q4 | | OK | | Sithembile Xulu 416253 06.05.2025 | Train |
| 10131 | R | Read Defined Variable [TT] (MPU1)li_ddk_m1cb110distrib = 1.0 | | OK | 1 | Sithembile Xulu 416253 06.05.2025 | Train |
| 10132 | A | Open the circuit breaker 13Q1 | | OK | | Sithembile Xulu 416253 06.05.2025 | Train |
| 10133 | R | Read Defined Variable [TT] (MPU1)li_ddk_m1cb230distrib = 0.0 | | OK | 0 | Sithembile Xulu 416253 06.05.2025 | Train |
| 10134 | A | Close the circuit breaker 13Q1 | | OK | | Sithembile Xulu 416253 06.05.2025 | Train |
| 10135 | R | Read Defined Variable [TT] (MPU1)li_ddk_m1cb230distrib = 1.0 | | OK | 1 | Sithembile Xulu 416253 06.05.2025 | Train |
| 10136 | A | Open the circuit breaker 57Q1 | | OK | | Sithembile Xulu 416253 06.05.2025 | Train |
| 10137 | R | Read Defined Variable [TT] (MPU1)li_ddk_m1cb400distrib = 0.0 | | OK | 0 | Sithembile Xulu 416253 06.05.2025 | Train |
| 10138 | A | Close the circuit breaker 57Q1 | | OK | | Sithembile Xulu 416253 06.05.2025 | Train |
| 10139 | R | Read Defined Variable [TT] (MPU1)li_ddk_m1cb400distrib = 1.0 | | OK | 1 | Sithembile Xulu 416253 06.05.2025 | Train |
| 10140 | A | Open the circuit breaker 40Q1 | | OK | | Sithembile Xulu 416253 06.05.2025 | Train |
| 10141 | R | Read Defined Variable [TT] (MPU1)li_ddk_m1cbbrake = 0.0 | | OK | 0 | Sithembile Xulu 416253 06.05.2025 | Train |
| 10142 | A | Close the circuit breaker 40Q1 | | OK | | Sithembile Xulu 416253 06.05.2025 | Train |
| 10143 | R | Read Defined Variable [TT] (MPU1)li_ddk_m1cbbrake = 1.0 | | OK | 1 | Sithembile Xulu 416253 06.05.2025 | Train |
| 10144 | A | Open the circuit breaker 50Q4 | | OK | | Sithembile Xulu 416253 06.05.2025 | Train |
| 10145 | R | Read Defined Variable [TT] (MPU1)li_ddk_m1cbdoors = 0.0 | | OK | 0 | Sithembile Xulu 416253 06.05.2025 | Train |
| 10146 | A | Close the circuit breaker 50Q4 | | OK | | Sithembile Xulu 416253 | Train |

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| 10147 | R | Read Defined Variable [TT] (MPU1)li_ddk_m1cbdoors = 1.0 | OK | 1 | Sithembile Xulu 416253 06.05.2025 | Train | |
| 10148 | A | Open the circuit breaker 21Q2 | OK | | Sithembile Xulu 416253 06.05.2025 | Train | |
| 10149 | R | Read Defined Variable [TT] (MPU1)li_ddk_m1cbenergy = 0.0 | OK | 0 | Sithembile Xulu 416253 06.05.2025 | Train | |
| 10150 | A | Close the circuit breaker 21Q2 | OK | | Sithembile Xulu 416253 06.05.2025 | Train | |
| 10151 | R | Read Defined Variable [TT] (MPU1)li_ddk_m1cbenergy = 1.0 | OK | 1 | Sithembile Xulu 416253 06.05.2025 | Train | |
| 10152 | A | Open the circuit breaker 57Q2 | OK | | Sithembile Xulu 416253 06.05.2025 | Train | |
| 10153 | R | Read Defined Variable [TT] (MPU1)li_ddk_m1cbhvac = 0.0 | OK | 0 | Sithembile Xulu 416253 06.05.2025 | Train | |
| 10154 | A | Close the circuit breaker 57Q2 | OK | | Sithembile Xulu 416253 06.05.2025 | Train | |
| 10155 | R | Read Defined Variable [TT] (MPU1)li_ddk_m1cbhvac = 1.0 | OK | 1 | Sithembile Xulu 416253 06.05.2025 | Train | |
| 10156 | A | Open the circuit breaker 52Q4 | OK | | Sithembile Xulu 416253 06.05.2025 | Train | |
| 10157 | R | Read Defined Variable [TT] (MPU1)li_ddk_m1cblighting = 0.0 | OK | 0 | Sithembile Xulu 416253 06.05.2025 | Train | |
| 10158 | A | Close the circuit breaker 52Q4 | OK | | Sithembile Xulu 416253 06.05.2025 | Train | |
| 10159 | R | Read Defined Variable [TT] (MPU1)li_ddk_m1cblighting = 1.0 | OK | 1 | Sithembile Xulu 416253 06.05.2025 | Train | |
| 10160 | A | Open the circuit breaker 54Q10 | OK | | Sithembile Xulu 416253 06.05.2025 | Train | |
| 10161 | R | Read Defined Variable [TT] (MPU1)li_ddk_m1cbpaxis = 0.0 | OK | 0 | Sithembile Xulu 416253 06.05.2025 | Train | |
| 10162 | A | Close the circuit breaker 54Q10 | OK | | Sithembile Xulu 416253 06.05.2025 | Train | |
| 10163 | R | Read Defined Variable [TT] (MPU1)li_ddk_m1cbpaxis = 1.0 | OK | 1 | Sithembile Xulu 416253 06.05.2025 | Train | |
| 10164 | A | Open the circuit breaker 44Q1 | OK | | Sithembile Xulu 416253 06.05.2025 | Train | |

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| 10165 | R | Read Defined Variable [TT] (MPU1)li_ddk_m1cbsafetyfctr1 = 0.0 | OK | 0 | Sithembile Xulu 416253 06.05.2025 | Train |
| 10166 | R | Read Defined Variable [TT] (MPU1)li_ddk_m1cbsafetyfctr2 = 0.0 | OK | 0 | Sithembile Xulu 416253 06.05.2025 | Train |
| 10167 | A | Close the circuit breaker 44Q1 | OK | | Sithembile Xulu 416253 06.05.2025 | Train |
| 10168 | R | Read Defined Variable [TT] (MPU1)li_ddk_m1cbsafetyfctr1 = 1.0 | OK | 1 | Sithembile Xulu 416253 06.05.2025 | Train |
| 10169 | R | Read Defined Variable [TT] (MPU1)li_ddk_m1cbsafetyfctr2 = 1.0 | OK | 1 | Sithembile Xulu 416253 06.05.2025 | Train |
| 10170 | A | Open the circuit breaker 13Q2 | OK | | Sithembile Xulu 416253 06.05.2025 | Train |
| 10171 | R | Read Defined Variable [TT] (MPU1)li_ddk_m1cbsockets = 0.0 | OK | 0 | Sithembile Xulu 416253 06.05.2025 | Train |
| 10172 | A | Close the circuit breaker 13Q2 | OK | | Sithembile Xulu 416253 06.05.2025 | Train |
| 10173 | R | Read Defined Variable [TT] (MPU1)li_ddk_m1cbsockets = 1.0 | OK | 1 | Sithembile Xulu 416253 06.05.2025 | Train |
| 10174 | A | Open the circuit breaker 25Q6 | OK | | Sithembile Xulu 416253 06.05.2025 | Train |
| 10175 | R | Read Defined Variable [TT] (MPU1)li_ddk_m1cbtcms1r1 = 0.0 | OK | 0 | Sithembile Xulu 416253 06.05.2025 | Train |
| 10176 | R | Read Defined Variable [TT] (MPU1)li_ddk_m1cbtcms1r2 = 0.0 | OK | 0 | Sithembile Xulu 416253 06.05.2025 | Train |
| 10177 | A | Close the circuit breaker 25Q6 | OK | | Sithembile Xulu 416253 06.05.2025 | Train |
| 10178 | R | Read Defined Variable [TT] (MPU1)li_ddk_m1cbtcms1r1 = 1.0 | OK | 1 | Sithembile Xulu 416253 06.05.2025 | Train |
| 10179 | R | Read Defined Variable [TT] (MPU1)li_ddk_m1cbtcms1r2 = 1.0 | OK | 1 | Sithembile Xulu 416253 06.05.2025 | Train |
| 10180 | A | Open the circuit breaker 25Q10 | OK | | Sithembile Xulu 416253 06.05.2025 | Train |
| 10181 | R | Read Defined Variable [TT] (MPU1)li_ddk_m1cbtcms2r1 = 0.0 | OK | 0 | Sithembile Xulu 416253 06.05.2025 | Train |
| 10182 | A | Close the circuit breaker 25Q10 | OK | | Sithembile Xulu 416253 06.05.2025 | Train |
| 10183 | A | Open the circuit breaker 25Q14 | OK | | Sithembile Xulu 416253 | Train |

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| | | | | | | 06.05.2025 | |
| 10184 | R | Read Defined Variable [TT] (MPU1)li_ddk_m1cbtcms2r2 = 0.0 | OK | 0 | | Sithembile Xulu 416253 06.05.2025 | Train |
| 10185 | A | Close the circuit breaker 25Q14 | OK | | | Sithembile Xulu 416253 06.05.2025 | Train |
| 10186 | R | Read Defined Variable [TT] (MPU1)li_ddk_m1cbtcms2r1 = 1.0 | OK | 1 | | Sithembile Xulu 416253 06.05.2025 | Train |
| 10187 | R | Read Defined Variable [TT] (MPU1)li_ddk_m1cbtcms2r2 = 1.0 | OK | 1 | | Sithembile Xulu 416253 06.05.2025 | Train |
| 10188 | A | Open the circuit breaker 33Q1 | OK | | | Sithembile Xulu 416253 06.05.2025 | Train |
| 10189 | R | Read Defined Variable [TT] (MPU1)li_ddk_m1cbtraction = 0.0 | OK | 0 | | Sithembile Xulu 416253 06.05.2025 | Train |
| 10190 | A | Close the circuit breaker 33Q1 | OK | | | Sithembile Xulu 416253 06.05.2025 | Train |
| 10191 | R | Read Defined Variable [TT] (MPU1)li_ddk_m1cbtraction = 1.0 | OK | 1 | | Sithembile Xulu 416253 06.05.2025 | Train |
| 10192 | A | Open the circuit breaker 55Q2 | OK | | | Sithembile Xulu 416253 06.05.2025 | Train |
| 10193 | R | Read Defined Variable [TT] (MPU1)li_ddk_m1cbvideoinfo = 0.0 | OK | 0 | | Sithembile Xulu 416253 06.05.2025 | Train |
| 10194 | A | Close the circuit breaker 55Q2 | OK | | | Sithembile Xulu 416253 06.05.2025 | Train |
| 10195 | R | Read Defined Variable [TT] (MPU1)li_ddk_m1cbvideoinfo = 1.0 | OK | 1 | | Sithembile Xulu 416253 06.05.2025 | Train |
| 10196 | I | M2 | OK | | | Sithembile Xulu 416253 06.05.2025 | Train |
| 10197 | A | Open the circuit breaker 15Q4 | OK | | | Sithembile Xulu 416253 06.05.2025 | Train |
| 10198 | R | Read Defined Variable [TT] (MPU1)li_ddk_m2cb110distrib = 0.0 | OK | 0 | | Sithembile Xulu 416253 06.05.2025 | Train |
| 10199 | A | Close the circuit breaker 15Q4 | OK | | | Sithembile Xulu 416253 06.05.2025 | Train |
| 10200 | R | Read Defined Variable [TT] (MPU1)li_ddk_m2cb110distrib = 1.0 | OK | 1 | | Sithembile Xulu 416253 06.05.2025 | Train |
| 10201 | A | Open the circuit breaker 13Q1 | OK | | | Sithembile Xulu 416253 06.05.2025 | Train |

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| 10202 | R | Read Defined Variable [TT] (MPU1)li_ddk_m2cb230distrib = 0.0 | OK | 0 | Sithembile Xulu 416253 06.05.2025 | Train |
| 10203 | A | Close the circuit breaker 13Q1 | OK | | Sithembile Xulu 416253 06.05.2025 | Train |
| 10204 | R | Read Defined Variable [TT] (MPU1)li_ddk_m2cb230distrib = 1.0 | OK | 1 | Sithembile Xulu 416253 06.05.2025 | Train |
| 10205 | A | Open the circuit breaker 57Q1 | OK | | Sithembile Xulu 416253 06.05.2025 | Train |
| 10206 | R | Read Defined Variable [TT] (MPU1)li_ddk_m2cb400distrib = 0.0 | OK | 0 | Sithembile Xulu 416253 06.05.2025 | Train |
| 10207 | A | Close the circuit breaker 57Q1 | OK | | Sithembile Xulu 416253 06.05.2025 | Train |
| 10208 | R | Read Defined Variable [TT] (MPU1)li_ddk_m2cb400distrib = 1.0 | OK | 1 | Sithembile Xulu 416253 06.05.2025 | Train |
| 10209 | A | Open the circuit breaker 40Q1 | OK | | Sithembile Xulu 416253 06.05.2025 | Train |
| 10210 | R | Read Defined Variable [TT] (MPU1)li_ddk_m2cbbrake = 0.0 | OK | 0 | Sithembile Xulu 416253 06.05.2025 | Train |
| 10211 | A | Close the circuit breaker 40Q1 | OK | | Sithembile Xulu 416253 06.05.2025 | Train |
| 10212 | R | Read Defined Variable [TT] (MPU1)li_ddk_m2cbbrake = 1.0 | OK | 1 | Sithembile Xulu 416253 06.05.2025 | Train |
| 10213 | A | Open the circuit breaker 50Q4 | OK | | Sithembile Xulu 416253 06.05.2025 | Train |
| 10214 | R | Read Defined Variable [TT] (MPU1)li_ddk_m2cbdoors = 0.0 | OK | 0 | Sithembile Xulu 416253 06.05.2025 | Train |
| 10215 | A | Close the circuit breaker 50Q4 | OK | | Sithembile Xulu 416253 06.05.2025 | Train |
| 10216 | R | Read Defined Variable [TT] (MPU1)li_ddk_m2cbdoors = 1.0 | OK | 1 | Sithembile Xulu 416253 06.05.2025 | Train |
| 10217 | A | Open the circuit breaker 21Q2 | OK | | Sithembile Xulu 416253 06.05.2025 | Train |
| 10218 | R | Read Defined Variable [TT] (MPU1)li_ddk_m2cbenergy = 0.0 | OK | 0 | Sithembile Xulu 416253 06.05.2025 | Train |
| 10219 | A | Close the circuit breaker 21Q2 | OK | | Sithembile Xulu 416253 06.05.2025 | Train |
| 10220 | R | Read Defined Variable [TT] (MPU1)li_ddk_m2cbenergy = 1.0 | OK | 1 | Sithembile Xulu 416253 | Train |

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| 10221 | A | Open the circuit breaker 62Q2 | | OK | | Sithembile Xulu 416253 06.05.2025 | Train |
| 10222 | R | Read Defined Variable [TT] (MPU1)li_ddk_m2cbertmsr1 = 0.0 | | OK | 0 | Sithembile Xulu 416253 06.05.2025 | Train |
| 10223 | R | Read Defined Variable [TT] (MPU1)li_ddk_m2cbertmsr2 = 0.0 | | OK | 0 | Sithembile Xulu 416253 06.05.2025 | Train |
| 10224 | A | Close the circuit breaker 62Q2 | | OK | | Sithembile Xulu 416253 06.05.2025 | Train |
| 10225 | R | Read Defined Variable [TT] (MPU1)li_ddk_m2cbertmsr1 = 1.0 | | OK | 1 | Sithembile Xulu 416253 06.05.2025 | Train |
| 10226 | R | Read Defined Variable [TT] (MPU1)li_ddk_m2cbertmsr2 = 1.0 | | OK | 1 | Sithembile Xulu 416253 06.05.2025 | Train |
| 10227 | A | Open the circuit breaker 57Q2 | | OK | | Sithembile Xulu 416253 06.05.2025 | Train |
| 10228 | R | Read Defined Variable [TT] (MPU1)li_ddk_m2cbhvac = 0.0 | | OK | 0 | Sithembile Xulu 416253 06.05.2025 | Train |
| 10229 | A | Close the circuit breaker 57Q2 | | OK | | Sithembile Xulu 416253 06.05.2025 | Train |
| 10230 | R | Read Defined Variable [TT] (MPU1)li_ddk_m2cbhvac = 1.0 | | OK | 1 | Sithembile Xulu 416253 06.05.2025 | Train |
| 10231 | A | Open the circuit breaker 52Q4 | | OK | | Sithembile Xulu 416253 06.05.2025 | Train |
| 10232 | R | Read Defined Variable [TT] (MPU1)li_ddk_m2cblighting = 0.0 | | OK | 0 | Sithembile Xulu 416253 06.05.2025 | Train |
| 10233 | A | Close the circuit breaker 52Q4 | | OK | | Sithembile Xulu 416253 06.05.2025 | Train |
| 10234 | R | Read Defined Variable [TT] (MPU1)li_ddk_m2cblighting = 1.0 | | OK | 1 | Sithembile Xulu 416253 06.05.2025 | Train |
| 10235 | A | Open the circuit breaker 54Q10 | | OK | | Sithembile Xulu 416253 06.05.2025 | Train |
| 10236 | R | Read Defined Variable [TT] (MPU1)li_ddk_m2cbpaxis = 0.0 | | OK | 0 | Sithembile Xulu 416253 06.05.2025 | Train |
| 10237 | A | Close the circuit breaker 54Q10 | | OK | | Sithembile Xulu 416253 06.05.2025 | Train |
| 10238 | R | Read Defined Variable [TT] (MPU1)li_ddk_m2cbpaxis = 1.0 | | OK | 1 | Sithembile Xulu 416253 06.05.2025 | Train |

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| 10239 | A | Open the circuit breaker 44Q1 | | OK | | Sithembile Xulu 416253 06.05.2025 | Train |
| 10240 | R | Read Defined Variable [TT] (MPU1)li_ddk_m2cbsafetyfctr1 = 0.0 | | OK | 0 | Sithembile Xulu 416253 06.05.2025 | Train |
| 10241 | R | Read Defined Variable [TT] (MPU1)li_ddk_m2cbsafetyfctr2 = 0.0 | | OK | 0 | Sithembile Xulu 416253 06.05.2025 | Train |
| 10242 | A | Close the circuit breaker 44Q1 | | OK | | Sithembile Xulu 416253 06.05.2025 | Train |
| 10243 | R | Read Defined Variable [TT] (MPU1)li_ddk_m2cbsafetyfctr1 = 1.0 | | OK | 1 | Sithembile Xulu 416253 06.05.2025 | Train |
| 10244 | R | Read Defined Variable [TT] (MPU1)li_ddk_m2cbsafetyfctr2 = 1.0 | | OK | 1 | Sithembile Xulu 416253 06.05.2025 | Train |
| 10245 | A | Open the circuit breaker 13Q2 | | OK | | Sithembile Xulu 416253 06.05.2025 | Train |
| 10246 | R | Read Defined Variable [TT] (MPU1)li_ddk_m2cbsockets = 0.0 | | OK | 0 | Sithembile Xulu 416253 06.05.2025 | Train |
| 10247 | A | Close the circuit breaker 13Q2 | | OK | | Sithembile Xulu 416253 06.05.2025 | Train |
| 10248 | R | Read Defined Variable [TT] (MPU1)li_ddk_m2cbsockets = 1.0 | | OK | 1 | Sithembile Xulu 416253 06.05.2025 | Train |
| 10249 | A | Open the circuit breaker 25Q6 | | OK | | Sithembile Xulu 416253 06.05.2025 | Train |
| 10250 | R | Read Defined Variable [TT] (MPU1)li_ddk_m2cbtcms1r1 = 0.0 | | OK | 0 | Sithembile Xulu 416253 06.05.2025 | Train |
| 10251 | R | Read Defined Variable [TT] (MPU1)li_ddk_m2cbtcms1r2 = 0.0 | | OK | 0 | Sithembile Xulu 416253 06.05.2025 | Train |
| 10252 | A | Close the circuit breaker 25Q6 | | OK | | Sithembile Xulu 416253 06.05.2025 | Train |
| 10253 | R | Read Defined Variable [TT] (MPU1)li_ddk_m2cbtcms1r1 = 1.0 | | OK | 1 | Sithembile Xulu 416253 06.05.2025 | Train |
| 10254 | R | Read Defined Variable [TT] (MPU1)li_ddk_m2cbtcms1r2 = 1.0 | | OK | 1 | Sithembile Xulu 416253 06.05.2025 | Train |
| 10255 | A | Open the circuit breaker 25Q10 | | OK | | Sithembile Xulu 416253 06.05.2025 | Train |
| 10256 | R | Read Defined Variable [TT] (MPU1)li_ddk_m2cbtcms2r1 = 0.0 | | OK | 0 | Sithembile Xulu 416253 06.05.2025 | Train |
| 10257 | A | Close the circuit breaker 25Q10 | | OK | | Sithembile Xulu 416253 | Train |

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| 10258 | A | Open the circuit breaker 25Q14 | | OK | | Sithembile Xulu 416253 06.05.2025 | Train |
| 10259 | R | Read Defined Variable [TT] (MPU1)li_ddk_m2cbtcms2r2 = 0.0 | | OK | 0 | Sithembile Xulu 416253 06.05.2025 | Train |
| 10260 | A | Close the circuit breaker 25Q14 | | OK | | Sithembile Xulu 416253 06.05.2025 | Train |
| 10261 | R | Read Defined Variable [TT] (MPU1)li_ddk_m2cbtcms2r1 = 1.0 | | OK | 1 | Sithembile Xulu 416253 06.05.2025 | Train |
| 10262 | R | Read Defined Variable [TT] (MPU1)li_ddk_m2cbtcms2r2 = 1.0 | | OK | 1 | Sithembile Xulu 416253 06.05.2025 | Train |
| 10263 | A | Open the circuit breaker 33Q1 | | OK | | Sithembile Xulu 416253 06.05.2025 | Train |
| 10264 | R | Read Defined Variable [TT] (MPU1)li_ddk_m2cbtraction = 0.0 | | OK | 0 | Sithembile Xulu 416253 06.05.2025 | Train |
| 10265 | A | Close the circuit breaker 33Q1 | | OK | | Sithembile Xulu 416253 06.05.2025 | Train |
| 10266 | R | Read Defined Variable [TT] (MPU1)li_ddk_m2cbtraction = 1.0 | | OK | 1 | Sithembile Xulu 416253 06.05.2025 | Train |
| 10267 | A | Open the circuit breaker 55Q2 | | OK | | Sithembile Xulu 416253 06.05.2025 | Train |
| 10268 | R | Read Defined Variable [TT] (MPU1)li_ddk_m2cbvideoinfo = 0.0 | | OK | 0 | Sithembile Xulu 416253 06.05.2025 | Train |
| 10269 | A | Close the circuit breaker 55Q2 | | OK | | Sithembile Xulu 416253 06.05.2025 | Train |
| 10270 | R | Read Defined Variable [TT] (MPU1)li_ddk_m2cbvideoinfo = 1.0 | | OK | 1 | Sithembile Xulu 416253 06.05.2025 | Train |
| 10271 | I | M3 | | OK | | Sithembile Xulu 416253 06.05.2025 | Train |
| 10272 | A | Open the circuit breaker 15Q4 | | OK | | Sithembile Xulu 416253 06.05.2025 | Train |
| 10273 | R | Read Defined Variable [TT] (MPU1)li_ddk_m3cb110distrib = 0.0 | | OK | 0 | Sithembile Xulu 416253 06.05.2025 | Train |
| 10274 | A | Close the circuit breaker 15Q4 | | OK | | Sithembile Xulu 416253 06.05.2025 | Train |
| 10275 | R | Read Defined Variable [TT] (MPU1)li_ddk_m3cb110distrib = 1.0 | | OK | 1 | Sithembile Xulu 416253 06.05.2025 | Train |

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| 10276 | A | Open the circuit breaker 13Q1 | | OK | | Sithembile Xulu 416253 06.05.2025 | Train |
| 10277 | R | Read Defined Variable [TT] (MPU1)li_ddk_m3cb230distrib = 0.0 | | OK | 0 | Sithembile Xulu 416253 06.05.2025 | Train |
| 10278 | A | Close the circuit breaker 13Q1 | | OK | | Sithembile Xulu 416253 06.05.2025 | Train |
| 10279 | R | Read Defined Variable [TT] (MPU1)li_ddk_m3cb230distrib = 1.0 | | OK | 1 | Sithembile Xulu 416253 06.05.2025 | Train |
| 10280 | A | Open the circuit breaker 57Q1 | | OK | | Sithembile Xulu 416253 06.05.2025 | Train |
| 10281 | R | Read Defined Variable [TT] (MPU1)li_ddk_m3cb400distrib = 0.0 | | OK | 0 | Sithembile Xulu 416253 06.05.2025 | Train |
| 10282 | A | Close the circuit breaker 57Q1 | | OK | | Sithembile Xulu 416253 06.05.2025 | Train |
| 10283 | R | Read Defined Variable [TT] (MPU1)li_ddk_m3cb400distrib = 1.0 | | OK | 1 | Sithembile Xulu 416253 06.05.2025 | Train |
| 10284 | A | Open the circuit breaker 40Q1 | | OK | | Sithembile Xulu 416253 06.05.2025 | Train |
| 10285 | R | Read Defined Variable [TT] (MPU1)li_ddk_m3cbbrake = 0.0 | | OK | 0 | Sithembile Xulu 416253 06.05.2025 | Train |
| 10286 | A | Close the circuit breaker 40Q1 | | OK | | Sithembile Xulu 416253 06.05.2025 | Train |
| 10287 | R | Read Defined Variable [TT] (MPU1)li_ddk_m3cbbrake = 1.0 | | OK | 1 | Sithembile Xulu 416253 06.05.2025 | Train |
| 10288 | A | Open the circuit breaker 50Q4 | | OK | | Sithembile Xulu 416253 06.05.2025 | Train |
| 10289 | R | Read Defined Variable [TT] (MPU1)li_ddk_m3cbdoors = 0.0 | | OK | 0 | Sithembile Xulu 416253 06.05.2025 | Train |
| 10290 | A | Close the circuit breaker 50Q4 | | OK | | Sithembile Xulu 416253 06.05.2025 | Train |
| 10291 | R | Read Defined Variable [TT] (MPU1)li_ddk_m3cbdoors = 1.0 | | OK | 1 | Sithembile Xulu 416253 06.05.2025 | Train |
| 10292 | A | Open the circuit breaker 57Q2 | | OK | | Sithembile Xulu 416253 06.05.2025 | Train |
| 10293 | R | Read Defined Variable [TT] (MPU1)li_ddk_m3cbhvacc = 0.0 | | OK | 0 | Sithembile Xulu 416253 06.05.2025 | Train |
| 10294 | A | Close the circuit breaker 57Q2 | | OK | | Sithembile Xulu 416253 | Train |

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| 10295 | R | Read Defined Variable [TT] (MPU1)li_ddk_m3cbhvac = 1.0 | OK | 1 | Sithembile Xulu 416253 06.05.2025 | Train | |
| 10296 | A | Open the circuit breaker 52Q4 | OK | | Sithembile Xulu 416253 06.05.2025 | Train | |
| 10297 | R | Read Defined Variable [TT] (MPU1)li_ddk_m3cblighting = 0.0 | OK | 0 | Sithembile Xulu 416253 06.05.2025 | Train | |
| 10298 | A | Close the circuit breaker 52Q4 | OK | | Sithembile Xulu 416253 06.05.2025 | Train | |
| 10299 | R | Read Defined Variable [TT] (MPU1)li_ddk_m3cblighting = 1.0 | OK | 1 | Sithembile Xulu 416253 06.05.2025 | Train | |
| 10300 | A | Open the circuit breaker 54Q10 | OK | | Sithembile Xulu 416253 06.05.2025 | Train | |
| 10301 | R | Read Defined Variable [TT] (MPU1)li_ddk_m3cbpacs = 0.0 | OK | 0 | Sithembile Xulu 416253 06.05.2025 | Train | |
| 10302 | A | Close the circuit breaker 54Q10 | OK | | Sithembile Xulu 416253 06.05.2025 | Train | |
| 10303 | R | Read Defined Variable [TT] (MPU1)li_ddk_m3cbpacs = 1.0 | OK | 1 | Sithembile Xulu 416253 06.05.2025 | Train | |
| 10304 | A | Open the circuit breaker 44Q1 | OK | | Sithembile Xulu 416253 06.05.2025 | Train | |
| 10305 | R | Read Defined Variable [TT] (MPU1)li_ddk_m3cbsafetyfctr1 = 0.0 | OK | 0 | Sithembile Xulu 416253 06.05.2025 | Train | |
| 10306 | R | Read Defined Variable [TT] (MPU1)li_ddk_m3cbsafetyfctr2 = 0.0 | OK | 0 | Sithembile Xulu 416253 06.05.2025 | Train | |
| 10307 | A | Close the circuit breaker 44Q1 | OK | | Sithembile Xulu 416253 06.05.2025 | Train | |
| 10308 | R | Read Defined Variable [TT] (MPU1)li_ddk_m3cbsafetyfctr1 = 1.0 | OK | 1 | Sithembile Xulu 416253 06.05.2025 | Train | |
| 10309 | R | Read Defined Variable [TT] (MPU1)li_ddk_m3cbsafetyfctr2 = 1.0 | OK | 1 | Sithembile Xulu 416253 06.05.2025 | Train | |
| 10310 | A | Open the circuit breaker 13Q2 | OK | | Sithembile Xulu 416253 06.05.2025 | Train | |
| 10311 | R | Read Defined Variable [TT] (MPU1)li_ddk_m3cbsockets = 0.0 | OK | 0 | Sithembile Xulu 416253 06.05.2025 | Train | |
| 10312 | A | Close the circuit breaker 13Q2 | OK | | Sithembile Xulu 416253 06.05.2025 | Train | |

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| 10313 | R | Read Defined Variable [TT] (MPU1)li_ddk_m3cbsockets = 1.0 | OK | 1 | Sithembile Xulu 416253 06.05.2025 | Train |
| 10314 | A | Open the circuit breaker 25Q6 | OK | | Sithembile Xulu 416253 06.05.2025 | Train |
| 10315 | R | Read Defined Variable [TT] (MPU1)li_ddk_m3cbtcms1r1 = 0.0 | OK | 0 | Sithembile Xulu 416253 06.05.2025 | Train |
| 10316 | R | Read Defined Variable [TT] (MPU1)li_ddk_m3cbtcms1r2 = 0.0 | OK | 0 | Sithembile Xulu 416253 06.05.2025 | Train |
| 10317 | A | Close the circuit breaker 25Q6 | OK | | Sithembile Xulu 416253 06.05.2025 | Train |
| 10318 | R | Read Defined Variable [TT] (MPU1)li_ddk_m3cbtcms1r1 = 1.0 | OK | 1 | Sithembile Xulu 416253 06.05.2025 | Train |
| 10319 | R | Read Defined Variable [TT] (MPU1)li_ddk_m3cbtcms1r2 = 1.0 | OK | 1 | Sithembile Xulu 416253 06.05.2025 | Train |
| 10320 | A | Open the circuit breaker 25Q10 | OK | | Sithembile Xulu 416253 06.05.2025 | Train |
| 10321 | R | Read Defined Variable [TT] (MPU1)li_ddk_m3cbtcms2r1 = 0.0 | OK | 0 | Sithembile Xulu 416253 06.05.2025 | Train |
| 10322 | A | Close the circuit breaker 25Q10 | OK | | Sithembile Xulu 416253 06.05.2025 | Train |
| 10323 | A | Open the circuit breaker 25Q14 | OK | | Sithembile Xulu 416253 06.05.2025 | Train |
| 10324 | R | Read Defined Variable [TT] (MPU1)li_ddk_m3cbtcms2r2 = 0.0 | OK | 0 | Sithembile Xulu 416253 06.05.2025 | Train |
| 10325 | A | Close the circuit breaker 25Q14 | OK | | Sithembile Xulu 416253 06.05.2025 | Train |
| 10326 | R | Read Defined Variable [TT] (MPU1)li_ddk_m3cbtcms2r1 = 1.0 | OK | 1 | Sithembile Xulu 416253 06.05.2025 | Train |
| 10327 | R | Read Defined Variable [TT] (MPU1)li_ddk_m3cbtcms2r2 = 1.0 | OK | 1 | Sithembile Xulu 416253 06.05.2025 | Train |
| 10328 | A | Open the circuit breaker 33Q1 | OK | | Sithembile Xulu 416253 06.05.2025 | Train |
| 10329 | R | Read Defined Variable [TT] (MPU1)li_ddk_m3cbtraction = 0.0 | OK | 0 | Sithembile Xulu 416253 06.05.2025 | Train |
| 10330 | A | Close the circuit breaker 33Q1 | OK | | Sithembile Xulu 416253 06.05.2025 | Train |
| 10331 | R | Read Defined Variable [TT] (MPU1)li_ddk_m3cbtraction = 1.0 | OK | 1 | Sithembile Xulu 416253 | Train |

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| 10332 | A | Open the circuit breaker 55Q2 | | OK | | Sithembile Xulu 416253 06.05.2025 | Train |
| 10333 | R | Read Defined Variable [TT] (MPU1)li_ddk_m3cbvideoinfo = 0.0 | | OK | 0 | Sithembile Xulu 416253 06.05.2025 | Train |
| 10334 | A | Close the circuit breaker 55Q2 | | OK | | Sithembile Xulu 416253 06.05.2025 | Train |
| 10335 | R | Read Defined Variable [TT] (MPU1)li_ddk_m3cbvideoinfo = 1.0 | | OK | 1 | Sithembile Xulu 416253 06.05.2025 | Train |
| 10336 | I | TC2 | | OK | | Sithembile Xulu 416253 06.05.2025 | Train |
| 10337 | A | Open the circuit breaker 15Q4 | | OK | | Sithembile Xulu 416253 06.05.2025 | Train |
| 10338 | R | Read Defined Variable [TT] (MPU1)li_ddk_tc2cb110distrib = 0.0 | | OK | 0 | Sithembile Xulu 416253 06.05.2025 | Train |
| 10339 | A | Close the circuit breaker 15Q4 | | OK | | Sithembile Xulu 416253 06.05.2025 | Train |
| 10340 | R | Read Defined Variable [TT] (MPU1)li_ddk_tc2cb110distrib = 1.0 | | OK | 1 | Sithembile Xulu 416253 06.05.2025 | Train |
| 10341 | A | Open the circuit breaker 13Q1 | | OK | | Sithembile Xulu 416253 06.05.2025 | Train |
| 10342 | R | Read Defined Variable [TT] (MPU1)li_ddk_tc2cb230distrib = 0.0 | | OK | 0 | Sithembile Xulu 416253 06.05.2025 | Train |
| 10343 | A | Close the circuit breaker 13Q1 | | OK | | Sithembile Xulu 416253 06.05.2025 | Train |
| 10344 | R | Read Defined Variable [TT] (MPU1)li_ddk_tc2cb230distrib = 1.0 | | OK | 1 | Sithembile Xulu 416253 06.05.2025 | Train |
| 10345 | A | Open the circuit breaker 57Q1 | | OK | | Sithembile Xulu 416253 06.05.2025 | Train |
| 10346 | R | Read Defined Variable [TT] (MPU1)li_ddk_tc2cb400distrib = 0.0 | | OK | 0 | Sithembile Xulu 416253 06.05.2025 | Train |
| 10347 | A | Close the circuit breaker 57Q1 | | OK | | Sithembile Xulu 416253 06.05.2025 | Train |
| 10348 | R | Read Defined Variable [TT] (MPU1)li_ddk_tc2cb400distrib = 1.0 | | OK | 1 | Sithembile Xulu 416253 06.05.2025 | Train |
| 10349 | A | Open the circuit breaker 72Q1 | | OK | | Sithembile Xulu 416253 06.05.2025 | Train |

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| 10350 | R | Read Defined Variable [TT] (MPU1)li_ddk_tc2cbauxfct = 0.0 | OK | 0 | Sithembile Xulu 416253 06.05.2025 | Train |
| 10351 | A | Close the circuit breaker 72Q1 | OK | | Sithembile Xulu 416253 06.05.2025 | Train |
| 10352 | R | Read Defined Variable [TT] (MPU1)li_ddk_tc2cbauxfct = 1.0 | OK | 1 | Sithembile Xulu 416253 06.05.2025 | Train |
| 10353 | A | Open the circuit breaker 40Q4 | OK | | Sithembile Xulu 416253 06.05.2025 | Train |
| 10354 | R | Read Defined Variable [TT] (MPU1)li_ddk_tc2cbbrake = 0.0 | OK | 0 | Sithembile Xulu 416253 06.05.2025 | Train |
| 10355 | A | Close the circuit breaker 40Q4 | OK | | Sithembile Xulu 416253 06.05.2025 | Train |
| 10356 | R | Read Defined Variable [TT] (MPU1)li_ddk_tc2cbbrake = 1.0 | OK | 1 | Sithembile Xulu 416253 06.05.2025 | Train |
| 10357 | A | Open the circuit breaker 50Q7 | OK | | Sithembile Xulu 416253 06.05.2025 | Train |
| 10358 | R | Read Defined Variable [TT] (MPU1)li_ddk_tc2cbdoors = 0.0 | OK | 0 | Sithembile Xulu 416253 06.05.2025 | Train |
| 10359 | A | Close the circuit breaker 50Q7 | OK | | Sithembile Xulu 416253 06.05.2025 | Train |
| 10360 | R | Read Defined Variable [TT] (MPU1)li_ddk_tc2cbdoors = 1.0 | OK | 1 | Sithembile Xulu 416253 06.05.2025 | Train |
| 10361 | A | Open the circuit breaker 22Q1 | OK | | Sithembile Xulu 416253 06.05.2025 | Train |
| 10362 | R | Read Defined Variable [TT] (MPU1)li_ddk_tc2cbenergy = 0.0 | OK | 0 | Sithembile Xulu 416253 06.05.2025 | Train |
| 10363 | A | Close the circuit breaker 22Q1 | OK | | Sithembile Xulu 416253 06.05.2025 | Train |
| 10364 | R | Read Defined Variable [TT] (MPU1)li_ddk_tc2cbenergy = 1.0 | OK | 1 | Sithembile Xulu 416253 06.05.2025 | Train |
| 10365 | A | Open the circuit breaker 44Q1. | OK | | Sithembile Xulu 416253 06.05.2025 | Train |
| 10366 | R | Read Defined Variable [TT] (MPU1)li_ddk_tc2cbsafetyfctr1 = 0.0 | OK | 0 | Sithembile Xulu 416253 06.05.2025 | Train |
| 10367 | R | Read Defined Variable [TT] (MPU1)li_ddk_tc2cbsafetyfctr2 = 0.0 | OK | 0 | Sithembile Xulu 416253 06.05.2025 | Train |
| 10368 | A | Close the circuit breaker 44Q1 | OK | | Sithembile Xulu 416253 | Train |

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| 10369 | R | Read Defined Variable [TT] (MPU1)li_ddk_tc2cbsafetyfctr1 = 1.0 | OK | 1 | Sithembile Xulu 416253 06.05.2025 | Train | |
| 10370 | R | Read Defined Variable [TT] (MPU1)li_ddk_tc2cbsafetyfctr2 = 1.0 | OK | 1 | Sithembile Xulu 416253 06.05.2025 | Train | |
| 10371 | A | Open the circuit breaker 72Q2 | OK | | Sithembile Xulu 416253 06.05.2025 | Train | |
| 10372 | R | Read Defined Variable [TT] (MPU1)li_ddk_tc2cbsockets = 0.0 | OK | 0 | Sithembile Xulu 416253 06.05.2025 | Train | |
| 10373 | A | Close the circuit breaker 72Q2 | OK | | Sithembile Xulu 416253 06.05.2025 | Train | |
| 10374 | R | Read Defined Variable [TT] (MPU1)li_ddk_tc2cbsockets = 1.0 | OK | 1 | Sithembile Xulu 416253 06.05.2025 | Train | |
| 10375 | A | Open the circuit breaker 25Q11 | OK | | Sithembile Xulu 416253 06.05.2025 | Train | |
| 10376 | R | Read Defined Variable [TT] (MPU1)li_ddk_tc2cbtcms1r1 = 0.0 | OK | 0 | Sithembile Xulu 416253 06.05.2025 | Train | |
| 10377 | A | Close the circuit breaker 25Q11 | OK | | Sithembile Xulu 416253 06.05.2025 | Train | |
| 10378 | A | Open the circuit breaker 25Q15 | OK | | Sithembile Xulu 416253 06.05.2025 | Train | |
| 10379 | R | Read Defined Variable [TT] (MPU1)li_ddk_tc2cbtcms1r2 = 0.0 | OK | 0 | Sithembile Xulu 416253 06.05.2025 | Train | |
| 10380 | A | Close the circuit breaker 25Q15 | OK | | Sithembile Xulu 416253 06.05.2025 | Train | |
| 10381 | R | Read Defined Variable [TT] (MPU1)li_ddk_tc2cbtcms1r1 = 1.0 | OK | 1 | Sithembile Xulu 416253 06.05.2025 | Train | |
| 10382 | R | Read Defined Variable [TT] (MPU1)li_ddk_tc2cbtcms1r2 = 1.0 | OK | 1 | Sithembile Xulu 416253 06.05.2025 | Train | |
| 10383 | A | Open the circuit breaker 25Q10 | OK | | Sithembile Xulu 416253 06.05.2025 | Train | |
| 10384 | R | Read Defined Variable [TT] (MPU1)li_ddk_tc2cbtcms2r1 = 0.0 | OK | 0 | Sithembile Xulu 416253 06.05.2025 | Train | |
| 10385 | R | Read Defined Variable [TT] (MPU1)li_ddk_tc2cbtcms2r2 = 0.0 | OK | 0 | Sithembile Xulu 416253 06.05.2025 | Train | |
| 10386 | A | Close the circuit breaker 25Q10 | OK | | Sithembile Xulu 416253 06.05.2025 | Train | |

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|-------|---|--|--|----|---|---|-------|
| 10387 | R | Read Defined Variable [TT] (MPU1)li_ddk_tc2cbtcms2r1 = 1.0 | | OK | 1 | Sithembile Xulu 416253 06.05.2025 | Train |
| 10388 | R | Read Defined Variable [TT] (MPU1)li_ddk_tc2cbtcms2r2 = 1.0 | | OK | 1 | Sithembile Xulu 416253 06.05.2025 | Train |
| 10389 | A | Open the circuit breaker 75Q1 | | OK | | Sithembile Xulu 416253 06.05.2025 | Train |
| 10390 | R | Read Defined Variable [TT] (MPU1)li_ddk_tc2cbdrivingfctr1 = 0.0 | | OK | 0 | Sithembile Xulu 416253 06.05.2025 | Train |
| 10391 | R | Read Defined Variable [TT] (MPU1)li_ddk_tc2cbdrivingfctr2 = 0.0 | | OK | 0 | Sithembile Xulu 416253 06.05.2025 | Train |
| 10392 | A | Close the circuit breaker 75Q1 | | OK | | Sithembile Xulu 416253 06.05.2025 | Train |
| 10393 | R | Read Defined Variable [TT] (MPU1)li_ddk_tc2cbdrivingfctr1 = 1.0 | | OK | 1 | Sithembile Xulu 416253 06.05.2025 | Train |
| 10394 | R | Read Defined Variable [TT] (MPU1)li_ddk_tc2cbdrivingfctr2 = 1.0 | | OK | 1 | Sithembile Xulu 416253 06.05.2025 | Train |
| 10395 | R | On the Driver's event list, check there are no IOS recorded about circuit breakers | | OK | | Sithembile Xulu 416253 06.05.2025 | Train |
| 10396 | I | End of Test | | OK | | Sithembile Xulu 416253 06.05.2025 | Train |



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| Serial Tests Report TS280 – TFS RTR Train Functional Static Test Report | Document Reference GIB0000008079 Version: A0 | Emission date 16/05/2025 |
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Section 12 – Air Conditioning

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 | | Goitsemodimo Kgatitswe 526511 05.05.2025 | Train |
| 10002 | A | Turn Key 30A1.S1 to Active Cabin Position on TC1 | | OK | | Goitsemodimo Kgatitswe 526511 05.05.2025 | Train |
| 10003 | I | Train Prepared in High voltage with active cab on TC1 | | OK | | Goitsemodimo Kgatitswe 526511 05.05.2025 | 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 | | Goitsemodimo Kgatitswe 526511 05.05.2025 | Train |
| 10005 | I | Web portal guide | | OK | | Goitsemodimo Kgatitswe 526511 05.05.2025 | 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 | | Goitsemodimo Kgatitswe 526511 05.05.2025 | Train |
| 10007 | A | |  | OK | | Goitsemodimo Kgatitswe 526511 05.05.2025 | Train |
| 10008 | A | |  | OK | | Goitsemodimo Kgatitswe 526511 05.05.2025 | Train |
| 10009 | I | Cabin TC1 | | OK | | Goitsemodimo Kgatitswe 526511 05.05.2025 | Train |
| 10010 | I | Use the temperature sensor to verify the temperature of the cabin | | OK | | Goitsemodimo Kgatitswe 526511 05.05.2025 | 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 xxx represents the train number SME HVAC | | OK | | Goitsemodimo Kgatitswe 526511 05.05.2025 | Train |

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| | | Login: maint Password: maint TK HVAC Login: supervisor 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 For TK HVAC go to Overview then Forced and scroll down to 'CAB forced' to view the cabin operations. |  | OK | | Goitsemodimo Kgatitswe 526511 05.05.2025 | Train |
| 10013 | I | Check the Steps below and compare with Maintenance software | | OK | | Goitsemodimo Kgatitswe 526511 05.05.2025 | Train |
| 10014 | A | Select the switch 57S1 to Low Speed Ventilation | | OK | | Goitsemodimo Kgatitswe 526511 05.05.2025 | 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 | | Goitsemodimo Kgatitswe 526511 05.05.2025 | Train |
| 10016 | A | Select the switch '57S2' to position 0 | | OK | | Goitsemodimo Kgatitswe 526511 05.05.2025 | Train |
| 10017 | R | Temperature is set to 18°C | | OK | | Goitsemodimo Kgatitswe 526511 05.05.2025 | Train |
| 10018 | A | Select the switch '57S2' to position 1 | | OK | | Goitsemodimo Kgatitswe 526511 05.05.2025 | Train |
| 10019 | R | Temperature is set to 20°C | | OK | | Goitsemodimo Kgatitswe 526511 05.05.2025 | Train |
| 10020 | A | Select the switch '57S2' to position 2 | | OK | | Goitsemodimo Kgatitswe 526511 05.05.2025 | Train |
| 10021 | R | Temperature is set to 22°C | | OK | | Goitsemodimo Kgatitswe 526511 05.05.2025 | Train |
| 10022 | A | Select the switch '57S2' to position 3 | | OK | | Goitsemodimo Kgatitswe 526511 05.05.2025 | Train |
| 10023 | R | Temperature is set to 24°C | | OK | | Goitsemodimo Kgatitswe 526511 05.05.2025 | Train |

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|-------|---|---|----|---|-------|
| 10024 | A | Select the switch '57S2' to position 4 | OK | Goitsemodimo Kgatitswe 526511 05.05.2025 | Train |
| 10025 | R | Temperature is set to 26°C | OK | Goitsemodimo Kgatitswe 526511 05.05.2025 | Train |
| 10026 | A | Now select the switch '57S1' to High Ventilation | OK | Goitsemodimo Kgatitswe 526511 05.05.2025 | Train |
| 10027 | 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 | Goitsemodimo Kgatitswe 526511 05.05.2025 | Train |
| 10028 | A | Select the switch '57S2' to position 0 | OK | Goitsemodimo Kgatitswe 526511 05.05.2025 | Train |
| 10029 | R | Temperature is set to 18°C | OK | Goitsemodimo Kgatitswe 526511 05.05.2025 | Train |
| 10030 | A | Select the switch '57S2' to position 1 | OK | Goitsemodimo Kgatitswe 526511 05.05.2025 | Train |
| 10031 | R | Temperature is set to 20°C | OK | Goitsemodimo Kgatitswe 526511 05.05.2025 | Train |
| 10032 | A | Select the switch '57S2' to position 2 | OK | Goitsemodimo Kgatitswe 526511 05.05.2025 | Train |
| 10033 | R | Temperature is set to 22°C | OK | Goitsemodimo Kgatitswe 526511 05.05.2025 | Train |
| 10034 | A | Select the switch '57S2' to position 3 | OK | Goitsemodimo Kgatitswe 526511 05.05.2025 | Train |
| 10035 | R | Temperature is set to 24°C | OK | Goitsemodimo Kgatitswe 526511 05.05.2025 | Train |
| 10036 | A | Select the switch '57S2' to position 4 | OK | Goitsemodimo Kgatitswe 526511 05.05.2025 | Train |
| 10037 | R | Temperature is set to 26°C | OK | Goitsemodimo Kgatitswe 526511 05.05.2025 | Train |


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|-------|---|--|--|----|---|---|-------|
| 10038 | I | Cabin Footrest Heater Test on TC1 | | OK | | Goitsemodimo Kgatitswe 526511 05.05.2025 | Train |
| 10039 | R | Read Defined Variable [TT] (MPU1)li_hva_tc1footheaterfault___1 = 0.0 | | OK | 0 | Goitsemodimo Kgatitswe 526511 05.05.2025 | Train |
| 10040 | R | Foot Heater is Off | | OK | | Goitsemodimo Kgatitswe 526511 05.05.2025 | Train |
| 10041 | A | Simulate a failure of the heater by opening circuit breaker 57Q2 | | OK | | Goitsemodimo Kgatitswe 526511 05.05.2025 | Train |
| 10042 | A | Press the button 57S3 | | OK | | Goitsemodimo Kgatitswe 526511 05.05.2025 | Train |
| 10043 | R | Foot Heater is Off | | OK | | Goitsemodimo Kgatitswe 526511 05.05.2025 | Train |
| 10044 | R | Read Defined Variable [TT] (MPU1)li_hva_tc1footheaterfault___1 = 1.0 | | OK | 1 | Goitsemodimo Kgatitswe 526511 05.05.2025 | Train |
| 10045 | A | Release '57S3' pushbutton | | OK | | Goitsemodimo Kgatitswe 526511 05.05.2025 | Train |
| 10046 | A | Close circuit breaker 57Q2 | | OK | | Goitsemodimo Kgatitswe 526511 05.05.2025 | Train |
| 10047 | A | Press the button 57S3 to activate the foot heater | | OK | | Goitsemodimo Kgatitswe 526511 05.05.2025 | Train |
| 10048 | R | Read Defined Variable [TT] (MPU1)li_hva_tc1footheaterfault___1 = 0.0 | | OK | 0 | Goitsemodimo Kgatitswe 526511 05.05.2025 | Train |
| 10049 | R | Foot Heater is ON | | OK | | Goitsemodimo Kgatitswe 526511 05.05.2025 | Train |
| 10050 | I | HVAC Saloon TC1 | | OK | | Goitsemodimo Kgatitswe 526511 05.05.2025 | Train |
| 10051 | A | On the maintenance software web- browser, go to alarms tab and clear all the alarms and events for TC1 saloon and cabin | | OK | | Goitsemodimo Kgatitswe 526511 05.05.2025 | Train |

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|-------|---|---|--|----|--|---|-------|
| 10052 | A | Launch the HVAC test for TC1 car on the DDU maintenance screen | | OK | | Goitsemodimo Kgatitswe 526511 05.05.2025 | Train |
| 10053 | A | On the maintenance software, check that the HVAC mode for TC1 corresponds to the status on the DDU Screen. For every 3 minutes the HVAC mode should change between Ventilation, Heating and Cooling | | OK | | Goitsemodimo Kgatitswe 526511 05.05.2025 | Train |
| 10054 | R | After 9 minutes, TC1 saloon HVAC test has passed. | | OK | | Goitsemodimo Kgatitswe 526511 05.05.2025 | Train |
| 10055 | 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 | | Goitsemodimo Kgatitswe 526511 05.05.2025 | Train |
| 10056 | I | HVAC Cabin TC1 | | OK | | Goitsemodimo Kgatitswe 526511 05.05.2025 | Train |
| 10057 | A | Launch the HVAC test for the TC1 Cab | | OK | | Goitsemodimo Kgatitswe 526511 05.05.2025 | Train |
| 10058 | A | On the maintenance software, check that the HVAC mode for TC1 Cab corresponds to the status on the DDU Screen. For every 3 minutes the HVAC mode should change between Ventilation, Heating and Cooling | | OK | | Goitsemodimo Kgatitswe 526511 05.05.2025 | Train |
| 10059 | R | After 9 minutes, the TC1 cabin HVAC test has passed. | | OK | | Goitsemodimo Kgatitswe 526511 05.05.2025 | 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 | | Goitsemodimo Kgatitswe 526511 05.05.2025 | Train |
| 10061 | I | HVAC Saloon M4 | | OK | | Goitsemodimo Kgatitswe 526511 05.05.2025 | Train |
| 10062 | A | On the web-browser open a new tab and Enter the following IP address: 10.136.xxx.32 SME HVAC Login: maint Password: maint TK HVAC Login: supervisor Password: super | | OK | | Goitsemodimo Kgatitswe 526511 05.05.2025 | Train |
| 10063 | A | On the maintenance software go to alarms tab and clear all the alarms and events for M4 car | | OK | | Goitsemodimo Kgatitswe 526511 05.05.2025 | Train |

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|-------|---|--|--|----|--|---|-------|
| 10064 | A | Launch the HVAC test for M4 car on the DDU maintenance screen | | OK | | Goitsemodimo Kgatitswe 526511 05.05.2025 | 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 | | Goitsemodimo Kgatitswe 526511 05.05.2025 | Train |
| 10066 | R | After 9 minutes, the M4 saloon HVAC test has passed. | | OK | | Goitsemodimo Kgatitswe 526511 05.05.2025 | 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 | | Goitsemodimo Kgatitswe 526511 05.05.2025 | Train |
| 10068 | I | HVAC Saloon M1 | | OK | | Goitsemodimo Kgatitswe 526511 05.05.2025 | Train |
| 10069 | A | On the web-browser open a new tab and Enter the following IP address: 10.136.xxx.29 SME HVAC Login: maint Password: maint TK HVAC Login: supervisor Password: super | | OK | | Goitsemodimo Kgatitswe 526511 05.05.2025 | Train |
| 10070 | A | On the maintenance software go to alarms tab clear all the alarms and events for M1 car | | OK | | Goitsemodimo Kgatitswe 526511 05.05.2025 | Train |
| 10071 | A | Launch the HVAC test for M1 car on the DDU maintenance screen | | OK | | Goitsemodimo Kgatitswe 526511 05.05.2025 | 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 | | Goitsemodimo Kgatitswe 526511 05.05.2025 | Train |
| 10073 | R | After 9 minutes, the M1 saloon HVAC test has passed. | | OK | | Goitsemodimo Kgatitswe 526511 05.05.2025 | 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 | | Goitsemodimo Kgatitswe 526511 05.05.2025 | Train |
| 10075 | I | HVAC Saloon M2 | | OK | | Goitsemodimo Kgatitswe 526511 05.05.2025 | Train |
| 10076 | A | On the web-browser open a new tab and Enter the following IP address: | | OK | | Goitsemodimo Kgatitswe | Train |



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| | | 10.136.xxx.30 SME HVAC Login: maint Password: maint TK HVAC Login: supervisor Password: super | | | | 526511 05.05.2025 | |
| 10077 | A | On the maintenance software go to alarms tab and clear all the alarms and events for M2 car | | OK | | Goitsemodimo Kgatitswe 526511 05.05.2025 | Train |
| 10078 | A | Launch the HVAC test for M2 car on the DDU maintenance screen | | OK | | Goitsemodimo Kgatitswe 526511 05.05.2025 | 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 | | Goitsemodimo Kgatitswe 526511 05.05.2025 | Train |
| 10080 | R | After 9 minutes, the M2 saloon HVAC test has passed. | | OK | | Goitsemodimo Kgatitswe 526511 05.05.2025 | 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 | | Goitsemodimo Kgatitswe 526511 05.05.2025 | Train |
| 10082 | I | HVAC Saloon M3 | | OK | | Goitsemodimo Kgatitswe 526511 05.05.2025 | Train |
| 10083 | A | On the web-browser open a new tab and Enter the following IP address: 10.136.xxx.31 SME HVAC Login: maint Password: maint TK HVAC Login: supervisor Password: super | | OK | | Goitsemodimo Kgatitswe 526511 05.05.2025 | Train |
| 10084 | A | On the maintenance software go to alarms tab and clear all the alarms and events for M3 car | | OK | | Goitsemodimo Kgatitswe 526511 05.05.2025 | Train |
| 10085 | A | Launch the HVAC test for M3 car on the DDU maintenance screen | | OK | | Goitsemodimo Kgatitswe 526511 05.05.2025 | Train |
| 10086 | A | On the maintenance software, check that the HVAC mode for M3 corresponds to the status on the DDU Screen. For every 3 minutes the HVAC mode should change between Ventilation, Heating and Cooling | | OK | | Goitsemodimo Kgatitswe 526511 05.05.2025 | Train |

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| 10087 | R | After 9 minutes, the M3 saloon HVAC test has passed. | | OK | | Goitsemodimo Kgatitswe 526511 05.05.2025 | Train |
| 10088 | 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 | | Goitsemodimo Kgatitswe 526511 05.05.2025 | Train |
| 10089 | I | HVAC Saloon TC2 | | OK | | Goitsemodimo Kgatitswe 526511 05.05.2025 | Train |
| 10090 | A | On the web-browser open a new tab and Enter the following IP address: 10.136.xxx.28 SME HVAC Login: maint Password: maint TK HVAC Login: supervisor Password: super | | OK | | Goitsemodimo Kgatitswe 526511 05.05.2025 | Train |
| 10091 | A | On the maintenance software go to alarms tab and clear all the alarms and events for TC2 car | | OK | | Goitsemodimo Kgatitswe 526511 05.05.2025 | Train |
| 10092 | A | Launch the HVAC test for TC2 car on the DDU maintenance screen | | OK | | Goitsemodimo Kgatitswe 526511 05.05.2025 | 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 | | Goitsemodimo Kgatitswe 526511 05.05.2025 | Train |
| 10094 | R | After 9 minutes, the TC2 saloon HVAC test has passed. | | OK | | Goitsemodimo Kgatitswe 526511 05.05.2025 | 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 | | Goitsemodimo Kgatitswe 526511 05.05.2025 | Train |
| 10096 | I | HVAC Cabin TC2 | | OK | | Paseka Ditlhakanyane 491468 06.05.2025 | Train |
| 10097 | A | Launch the HVAC test for the TC2 Cab | | OK | | Paseka Ditlhakanyane 491468 06.05.2025 | 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 | | Paseka Ditlhakanyane 491468 06.05.2025 | Train |
| 10099 | R | After 9 minutes, the TC2 saloon HVAC test has passed. | | OK | | Paseka Ditlhakanyane 491468 | Train |

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| 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 | | Paseka Ditlhakanyane 491468 06.05.2025 | Train |
| 10101 | A | Turn Key 30A1.S1 to Non-Active Cabin Position on TC1 | | OK | | Paseka Ditlhakanyane 491468 06.05.2025 | Train |
| 10102 | I | Cabin TC2 | | OK | | Goitsemodimo Kgatitswe 526511 05.05.2025 | Train |
| 10103 | A | Turn Key 30A1.S1 to Active Cabin Position on TC2 | | OK | | Goitsemodimo Kgatitswe 526511 05.05.2025 | 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 For TK HVAC go to Overview then Forced and scroll down to 'CAB forced' to view the cabin operations. |  | OK | | Goitsemodimo Kgatitswe 526511 05.05.2025 | Train |
| 10105 | I | Check the Steps below and compare with Maintenance software | | OK | | Goitsemodimo Kgatitswe 526511 05.05.2025 | Train |
| 10106 | A | Select the switch 57S1 to Low Speed Ventilation | | OK | | Goitsemodimo Kgatitswe 526511 05.05.2025 | 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 | | Goitsemodimo Kgatitswe 526511 05.05.2025 | Train |
| 10108 | A | Select the switch '57S2' to position 0 | | OK | | Goitsemodimo Kgatitswe 526511 05.05.2025 | Train |
| 10109 | R | Temperature is set to 18°C | | OK | | Goitsemodimo Kgatitswe 526511 05.05.2025 | Train |
| 10110 | A | Select the switch '57S2' to position 1 | | OK | | Goitsemodimo Kgatitswe 526511 05.05.2025 | Train |
| 10111 | R | Temperature is set to 20°C | | OK | | Goitsemodimo Kgatitswe 526511 05.05.2025 | Train |
| 10112 | A | Select the switch '57S2' to position 2 | | OK | | Goitsemodimo Kgatitswe 526511 05.05.2025 | Train |
| 10113 | R | Temperature is set to 22°C | | OK | | Goitsemodimo Kgatitswe | Train |

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| 10114 | A | Select the switch '57S2' to position 3 | | OK | | Goitsemodimo Kgatitswe 526511 05.05.2025 | Train |
| 10115 | R | Temperature is set to 24°C | | OK | | Goitsemodimo Kgatitswe 526511 05.05.2025 | Train |
| 10116 | A | Select the switch '57S2' to position 4 | | OK | | Goitsemodimo Kgatitswe 526511 05.05.2025 | Train |
| 10117 | R | Temperature is set to 26°C | | OK | | Goitsemodimo Kgatitswe 526511 05.05.2025 | Train |
| 10118 | A | Now select the switch '57S1' to High Ventilation | | OK | | Goitsemodimo Kgatitswe 526511 05.05.2025 | 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 | | Goitsemodimo Kgatitswe 526511 05.05.2025 | Train |
| 10120 | A | Select the switch '57S2' to position 0 | | OK | | Goitsemodimo Kgatitswe 526511 05.05.2025 | Train |
| 10121 | R | Temperature is set to 18°C | | OK | | Goitsemodimo Kgatitswe 526511 05.05.2025 | Train |
| 10122 | A | Select the switch '57S2' to position 1 | | OK | | Goitsemodimo Kgatitswe 526511 05.05.2025 | Train |
| 10123 | R | Temperature is set to 20°C | | OK | | Goitsemodimo Kgatitswe 526511 05.05.2025 | Train |
| 10124 | A | Select the switch '57S2' to position 2 | | OK | | Goitsemodimo Kgatitswe 526511 05.05.2025 | Train |
| 10125 | R | Temperature is set to 22°C | | OK | | Goitsemodimo Kgatitswe 526511 05.05.2025 | Train |
| 10126 | A | Select the switch '57S2' to position 3 | | OK | | Goitsemodimo Kgatitswe 526511 05.05.2025 | Train |
| 10127 | R | Temperature is set to 24°C | | OK | | Goitsemodimo Kgatitswe 526511 | Train |

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| 10128 | A | Select the switch '57S2' to position 4 | | OK | | Goitsemodimo Kgatitswe 526511 05.05.2025 | Train |
| 10129 | R | Temperature is set to 26°C | | OK | | Goitsemodimo Kgatitswe 526511 05.05.2025 | Train |
| 10130 | I | Cabin Footrest Heater Test on TC2 | | OK | | Goitsemodimo Kgatitswe 526511 05.05.2025 | Train |
| 10131 | R | Read Defined Variable [TT] (MPU1)li_hva_tc2footheaterfault___1 = 0.0 | | OK | 0 | Goitsemodimo Kgatitswe 526511 05.05.2025 | Train |
| 10132 | R | Foot Heater is switch Off | | OK | | Goitsemodimo Kgatitswe 526511 05.05.2025 | Train |
| 10133 | A | Simulate a failure of the heater by opening circuit breaker 57Q2 | | OK | | Goitsemodimo Kgatitswe 526511 05.05.2025 | Train |
| 10134 | A | Command '57S3' pushbutton | | OK | | Goitsemodimo Kgatitswe 526511 05.05.2025 | Train |
| 10135 | R | Read Defined Variable [TT] (MPU1)li_hva_tc2footheaterfault___1 = 1.0 | | OK | 1 | Goitsemodimo Kgatitswe 526511 05.05.2025 | Train |
| 10136 | R | Foot Heater is switch Off | | OK | | Goitsemodimo Kgatitswe 526511 05.05.2025 | Train |
| 10137 | A | Release '57S3' pushbutton | | OK | | Goitsemodimo Kgatitswe 526511 05.05.2025 | Train |
| 10138 | A | Close 57Q2 | | OK | | Goitsemodimo Kgatitswe 526511 05.05.2025 | Train |
| 10139 | A | Command '57S3' pushbutton | | OK | | Goitsemodimo Kgatitswe 526511 05.05.2025 | Train |
| 10140 | R | Read Defined Variable [TT] (MPU1)li_hva_tc2footheaterfault___1 = 0.0 | | OK | 0 | Goitsemodimo Kgatitswe 526511 05.05.2025 | Train |
| 10141 | R | Foot Heater is switch ON | | OK | | Goitsemodimo Kgatitswe 526511 05.05.2025 | Train |

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|-------|---|--|---|----|--|---|-------|
| 10142 | I | Emergency Ventilation Mode | | OK | | Goitsemodimo Kgatitswe 526511 05.05.2025 | Train |
| 10143 | R | All HVACs are working in NORMAL condition |  | OK | | Goitsemodimo Kgatitswe 526511 05.05.2025 | Train |
| 10144 | A | Switch off the catenary voltage 3kV | | OK | | Goitsemodimo Kgatitswe 526511 05.05.2025 | Train |
| 10145 | R | Both Auxiliary Converter stop to work | | OK | | Goitsemodimo Kgatitswe 526511 05.05.2025 | Train |
| 10146 | R | 400 V AC is not present on train | | OK | | Goitsemodimo Kgatitswe 526511 05.05.2025 | Train |
| 10147 | R | No high voltage power is available on HVAC unit to operate Ventilation and Cooling or Heating. | | OK | | Goitsemodimo Kgatitswe 526511 05.05.2025 | Train |
| 10148 | R | All HVAC units and Cab HVAC units stop | | OK | | Goitsemodimo Kgatitswe 526511 05.05.2025 | Train |
| 10149 | R | After about 45 seconds without 400V, Auxiliary Converter will generate 400V from Train Batteries with an inverter. | | OK | | Goitsemodimo Kgatitswe 526511 05.05.2025 | Train |
| 10150 | R | After this time about (45s) All HVAC units will operate in "Emergency Ventilation" | | OK | | Goitsemodimo Kgatitswe 526511 05.05.2025 | Train |
| 10151 | A | Switch on the 3kV on the catenary | | OK | | Goitsemodimo Kgatitswe 526511 05.05.2025 | Train |
| 10152 | R | Now, 400V AC is available by Auxiliary Converter | | OK | | Goitsemodimo Kgatitswe 526511 05.05.2025 | Train |
| 10153 | R | All HVAC units and Cab HVAC units only operate Ventilation with maximum fresh airflow then change to a specific mode based on the surrounding temperatures |  | OK | | Goitsemodimo Kgatitswe 526511 05.05.2025 | Train |
| 10154 | I | End of Test | | OK | | Goitsemodimo Kgatitswe 526511 05.05.2025 | Train |



Serial Tests Report
TS280 – TFS
RTR Train Functional Static Test Report

Document Reference
GIB0000008079
Version: A0

Emission date
16/05/2025

Section 13 – Driving Command

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 | | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10002 | I | Initial Conditions | | OK | | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10003 | I | Train should be prepared with High voltage | | OK | | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10004 | I | Deadman override switch 60S1 must be in OVERRIDE position | | OK | | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10005 | I | Driving command TC1 side | | OK | | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10006 | I | Direction Selector Switch TC1 | | OK | | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10007 | A | Put the Direction selector switch 30A1.S2 in NEUTRAL position | | OK | | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10008 | R | Read Defined Variable [TT] (TBCU1)LI_FORWARD = 0.0 | | OK | 0 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10009 | R | Read Defined Variable [TT] (TBCU2)LI_FORWARD = 0.0 | | OK | 0 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10010 | R | Read Defined Variable [TT] (TBCU3)LI_FORWARD = 0.0 | | OK | 0 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10011 | R | Read Defined Variable [TT] (TBCU4)LI_FORWARD = 0.0 | | OK | 0 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10012 | R | Read Defined Variable [TT] (TBCU1)LI_REVERSE = 0.0 | | OK | 0 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10013 | R | Read Defined Variable [TT] (TBCU2)LI_REVERSE = 0.0 | | OK | 0 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10014 | R | Read Defined Variable [TT] (TBCU3)LI_REVERSE = 0.0 | | OK | 0 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10015 | R | Read Defined Variable [TT] (TBCU4)LI_REVERSE = 0.0 | | OK | 0 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10016 | R | Read Defined Variable [TT] (MPU1)li_drc_tc1dsnozeror1 = 0.0 | | OK | 0 | Alleta Sekgololo 417407 05.05.2025 | Train |

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| 10017 | R | Read Defined Variable [TT] (MPU1)li_drc_tc1dsreverser1 = 0.0 | OK | 0 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10018 | A | Put the Direction selector switch 30A1.S2 in FORWARD position | OK | | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10019 | R | Read Defined Variable [TT] (TBCU1)LI_FORWARD = 1.0 | OK | 1 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10020 | R | Read Defined Variable [TT] (TBCU2)LI_FORWARD = 0.0 | OK | 0 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10021 | R | Read Defined Variable [TT] (TBCU3)LI_FORWARD = 0.0 | OK | 0 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10022 | R | Read Defined Variable [TT] (TBCU4)LI_FORWARD = 1.0 | OK | 1 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10023 | R | Read Defined Variable [TT] (TBCU1)LI_REVERSE = 0.0 | OK | 0 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10024 | R | Read Defined Variable [TT] (TBCU2)LI_REVERSE = 1.0 | OK | 1 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10025 | R | Read Defined Variable [TT] (TBCU3)LI_REVERSE = 1.0 | OK | 1 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10026 | R | Read Defined Variable [TT] (TBCU4)LI_REVERSE = 0.0 | OK | 0 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10027 | R | Read Defined Variable [TT] (MPU1)li_drc_tc1dsnozeror1 = 1.0 | OK | 1 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10028 | R | Read Defined Variable [TT] (MPU1)li_drc_tc1dsreverser1 = 0.0 | OK | 0 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10029 | A | Put the Direction selector switch 30A1.S2 in REVERSE position | OK | | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10030 | R | Read Defined Variable [TT] (TBCU1)LI_FORWARD = 0.0 | OK | 0 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10031 | R | Read Defined Variable [TT] (TBCU2)LI_FORWARD = 1.0 | OK | 1 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10032 | R | Read Defined Variable [TT] (TBCU3)LI_FORWARD = 1.0 | OK | 1 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10033 | R | Read Defined Variable [TT] (TBCU4)LI_FORWARD = 0.0 | OK | 0 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10034 | R | Read Defined Variable [TT] (TBCU1)LI_REVERSE = 1.0 | OK | 1 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10035 | R | Read Defined Variable [TT] (TBCU2)LI_REVERSE = 0.0 | OK | 0 | Alleta Sekgololo 417407 | Train |

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| | | | | | | 05.05.2025 | |
| 10036 | R | Read Defined Variable [TT] (TBCU3)LI_REVERSE = 0.0 | | OK | 0 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10037 | R | Read Defined Variable [TT] (TBCU4)LI_REVERSE = 1.0 | | OK | 1 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10038 | R | Read Defined Variable [TT] (MPU1)li_drc_tc1dsnozeror1 = 1.0 | | OK | 1 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10039 | R | Read Defined Variable [TT] (MPU1)li_drc_tc1dsreverser1 = 1.0 | | OK | 1 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10040 | I | Reduced Power Test TC1 | | OK | | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10041 | I | Button Lamp 30S2 is OFF | | OK | | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10042 | I | Driving mode switch in SPEED CONTROL mode | | OK | | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10043 | R | Read Defined Variable [TT] (MPU1)li_drc_tc1reducedpowerr1 = 0.0 | | OK | 0 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10044 | R | Read Defined Variable [TT] (MPU1)lo_drc_tc1reducedlampr1 = 0.0 | | OK | 0 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10045 | A | Press button 30S2 to activate the reduced power mode and maintain it | | OK | | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10046 | R | Button Lamp 30S2 is ON | | OK | | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10047 | R | Read Defined Variable [TT] (MPU1)li_drc_tc1reducedpowerr1 = 1.0 | | OK | 1 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10048 | R | Read Defined Variable [TT] (MPU1)lo_drc_tc1reducedlampr1 = 1.0 | | OK | 1 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10049 | A | Release the button 30S2 and press it again to de-activate reduced power mode | | OK | | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10050 | R | Button Lamp 30S2 is OFF | | OK | | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10051 | R | Read Defined Variable [TT] (MPU1)li_drc_tc1reducedpowerr1 = 0.0 | | OK | 0 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10052 | R | Read Defined Variable [TT] (MPU1)lo_drc_tc1reducedlampr1 = 0.0 | | OK | 0 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10053 | A | Put the driving mode switch to EFFORT mode | | OK | | Alleta Sekgololo 417407 05.05.2025 | Train |

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| 10054 | A | Press button 30S2 to activate the reduced power mode and maintain it | | OK | | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10055 | R | Read Defined Variable [TT] (MPU1)li_drc_tc1reducedpowerr1 = 1.0 | | OK | 1 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10056 | R | Read Defined Variable [TT] (MPU1)lo_drc_tc1reducedlampr1 = 1.0 | | OK | 1 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10057 | A | Release the button 30S2 and press it again to de-activate reduced power mode | | OK | | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10058 | R | Read Defined Variable [TT] (MPU1)li_drc_tc1reducedpowerr1 = 0.0 | | OK | 0 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10059 | R | Read Defined Variable [TT] (MPU1)lo_drc_tc1reducedlampr1 = 0.0 | | OK | 0 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10060 | I | It not possible to activate reduced power in depot or coupling mode | | OK | | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10061 | A | Put the driving mode switch to DEPOT mode | | OK | | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10062 | A | Press button 30S2 to activate the reduced power mode and maintain it | | OK | | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10063 | R | Read Defined Variable [TT] (MPU1)lo_drc_tc1reducedlampr1 = 0.0 | | OK | 0 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10064 | R | Read Defined Variable [TT] (MPU1)li_drc_tc1reducedpowerr1 = 1.0 | | OK | 1 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10065 | A | Release the button 30S2 | | OK | | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10066 | A | Put the driving mode switch to COUPLING mode | | OK | | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10067 | A | Press button 30S2 to activate the reduced power mode and maintain it | | OK | | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10068 | R | Read Defined Variable [TT] (MPU1)lo_drc_tc1reducedlampr1 = 0.0 | | OK | 0 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10069 | R | Read Defined Variable [TT] (MPU1)li_drc_tc1reducedpowerr1 = 1.0 | | OK | 1 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10070 | A | Release the button 30S2 | | OK | | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10071 | I | Master Controller / No Brake | | OK | | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10072 | I | The direction selector switch 30A1.S2 must be in NEUTRAL position | | OK | | Alleta Sekgololo 417407 | Train |

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| | | | | | | 05.05.2025 | |
| 10073 | I | The Master controller of Traction/Brake should be on OFF position | | OK | | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10074 | R | Read Defined Variable [TT] (MPU1)li_dor_tc1alldoorsclosedr1 = 0.0 | | OK | 0 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10075 | I | The Traction Interlock Override Switch 31S1 should be in NORMAL position | | OK | | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10076 | R | Read Defined Variable [TT] UBK_EmgcyBrkApld = 1.0 | | OK | 1 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10077 | R | LED 31H1 is OFF on the alarm module | | OK | | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10078 | R | LED 44H4 is "ON" on the alarm module | | OK | | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10079 | R | Read Defined Variable [TT] (BCU1)Li_Traction = 0.0 | | OK | 0 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10080 | R | Read Defined Variable [TT] (BCU2)Li_Traction = 0.0 | | OK | 0 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10081 | R | Read Defined Variable [TT] (TBCU1)LI_TRACTION = 0.0 | | OK | 0 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10082 | R | Read Defined Variable [TT] (TBCU2)LI_TRACTION = 0.0 | | OK | 0 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10083 | R | Read Defined Variable [TT] (TBCU3)LI_TRACTION = 0.0 | | OK | 0 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10084 | R | Read Defined Variable [TT] (TBCU4)LI_TRACTION = 0.0 | | OK | 0 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10085 | R | Read Defined Variable [TT] (BCU1)Li_noBrake = 1.0 | | OK | 1 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10086 | R | Read Defined Variable [TT] (BCU2)Li_noBrake = 1.0 | | OK | 1 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10087 | R | Read Defined Variable [TT] (TBCU1)LI_NOBRAKE = 1.0 | | OK | 1 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10088 | R | Read Defined Variable [TT] (TBCU2)LI_NOBRAKE = 1.0 | | OK | 1 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10089 | R | Read Defined Variable [TT] (TBCU3)LI_NOBRAKE = 1.0 | | OK | 1 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10090 | R | Read Defined Variable [TT] (TBCU4)LI_NOBRAKE = 1.0 | | OK | 1 | Alleta Sekgololo 417407 05.05.2025 | Train |

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|-------|---|---|----|------|--|-------|
| 10091 | R | Read Min/Max [TT] (MPU1)ai_drc_tc1mcpositionch1 : 5479<= x <= 6369 | OK | 5984 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10092 | R | Read Min/Max [TT] (MPU1)ai_drc_tc1mcpositionch2 : 5479<= x <= 6369 | OK | 5968 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10093 | R | Read Defined Variable [TT] (MPU1)li_drc_tc1mctractio1 = 0.0 | OK | 0 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10094 | R | Read Defined Variable [TT] (MPU1)li_drc_tc1mctractio2 = 0.0 | OK | 0 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10095 | R | Read Defined Variable [TT] (MPU1)li_drc_tc1mcnoastr1 = 0.0 | OK | 0 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10096 | R | Read Defined Variable [TT] (MPU1)li_drc_tc1mcnoastr2 = 0.0 | OK | 0 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10097 | R | Read Defined Variable [TT] (MPU1)li_drc_tc1mcbraker1 = 0.0 | OK | 0 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10098 | R | Read Defined Variable [TT] (MPU1)li_drc_tc1mcbraker2 = 0.0 | OK | 0 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10099 | R | Read Defined Variable [TT] (MPU1)li_drc_tc1mcemergencybraker1 = 0.0 | OK | 0 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10100 | R | Read Defined Variable [TT] (MPU1)li_drc_tc1mcemergencybraker2 = 0.0 | OK | 0 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10101 | A | Put the Direction selector switch 30A1.S2 in FORWARD position | OK | | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10102 | R | Read Defined Variable [TT] UBK_EmgcyBrkApld = 0.0 | OK | 0 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10103 | R | LED 44H4 is OFF on the alarm module | OK | | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10104 | R | LED 31H1 is "ON" on the alarm module | OK | | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10105 | R | Read Defined Variable [TT] (BCU1)Li_Traction = 0.0 | OK | 0 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10106 | R | Read Defined Variable [TT] (BCU2)Li_Traction = 0.0 | OK | 0 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10107 | R | Read Defined Variable [TT] (TBCU1)LI_TRACTION = 0.0 | OK | 0 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10108 | R | Read Defined Variable [TT] (TBCU2)LI_TRACTION = 0.0 | OK | 0 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10109 | R | Read Defined Variable [TT] (TBCU3)LI_TRACTION = 0.0 | OK | 0 | Alleta Sekgololo 417407 | Train |

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| | | | | | | 05.05.2025 | |
| 10110 | R | Read Defined Variable [TT] (TBCU4)LI_TRACTION = 0.0 | OK | 0 | Alleta Sekgololo 417407 | 05.05.2025 | Train |
| 10111 | R | Read Defined Variable [TT] (BCU1)Li_noBrake = 1.0 | OK | 1 | Alleta Sekgololo 417407 | 05.05.2025 | Train |
| 10112 | R | Read Defined Variable [TT] (BCU2)Li_noBrake = 1.0 | OK | 1 | Alleta Sekgololo 417407 | 05.05.2025 | Train |
| 10113 | R | Read Defined Variable [TT] (TBCU1)LI_NOBRAKE = 1.0 | OK | 1 | Alleta Sekgololo 417407 | 05.05.2025 | Train |
| 10114 | R | Read Defined Variable [TT] (TBCU2)LI_NOBRAKE = 1.0 | OK | 1 | Alleta Sekgololo 417407 | 05.05.2025 | Train |
| 10115 | R | Read Defined Variable [TT] (TBCU3)LI_NOBRAKE = 1.0 | OK | 1 | Alleta Sekgololo 417407 | 05.05.2025 | Train |
| 10116 | R | Read Defined Variable [TT] (TBCU4)LI_NOBRAKE = 1.0 | OK | 1 | Alleta Sekgololo 417407 | 05.05.2025 | Train |
| 10117 | R | Read Min/Max [TT] (MPU1)ai_drc_tc1mcpositionch1 : 5479<= x <= 6369 | OK | 5984 | Alleta Sekgololo 417407 | 05.05.2025 | Train |
| 10118 | R | Read Min/Max [TT] (MPU1)ai_drc_tc1mcpositionch2 : 5479<= x <= 6369 | OK | 5984 | Alleta Sekgololo 417407 | 05.05.2025 | Train |
| 10119 | R | Read Defined Variable [TT] (MPU1)li_drc_tc1mctractonr1 = 0.0 | OK | 0 | Alleta Sekgololo 417407 | 05.05.2025 | Train |
| 10120 | R | Read Defined Variable [TT] (MPU1)li_drc_tc1mctractonr2 = 0.0 | OK | 0 | Alleta Sekgololo 417407 | 05.05.2025 | Train |
| 10121 | R | Read Defined Variable [TT] (MPU1)li_drc_tc1mcnoastr1 = 0.0 | OK | 0 | Alleta Sekgololo 417407 | 05.05.2025 | Train |
| 10122 | R | Read Defined Variable [TT] (MPU1)li_drc_tc1mcnoastr2 = 0.0 | OK | 0 | Alleta Sekgololo 417407 | 05.05.2025 | Train |
| 10123 | R | Read Defined Variable [TT] (MPU1)li_drc_tc1mcbraker1 = 0.0 | OK | 0 | Alleta Sekgololo 417407 | 05.05.2025 | Train |
| 10124 | R | Read Defined Variable [TT] (MPU1)li_drc_tc1mcbraker2 = 0.0 | OK | 0 | Alleta Sekgololo 417407 | 05.05.2025 | Train |
| 10125 | R | Read Defined Variable [TT] (MPU1)li_drc_tc1mcemergencybraker1 = 0.0 | OK | 0 | Alleta Sekgololo 417407 | 05.05.2025 | Train |
| 10126 | R | Read Defined Variable [TT] (MPU1)li_drc_tc1mcemergencybraker2 = 0.0 | OK | 0 | Alleta Sekgololo 417407 | 05.05.2025 | Train |
| 10127 | I | For safety purposes ENSURE that NO one is working NEAR, OUTSIDE or on the DOORS of the Train | OK | | Alleta Sekgololo 417407 | 05.05.2025 | Train |

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| 10128 | A | Press Automatic Start Button to Drop the Pantographs | | OK | | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10129 | A | Timer 15.0 S | | OK | | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10130 | R | Read Defined Variable [TT] (MPU1)li_pnt_m1pantorisedr1 = 0.0 | | OK | 0 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10131 | R | Read Defined Variable [TT] (MPU1)li_pnt_m1pantorisedr2 = 0.0 | | OK | 0 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10132 | R | Read Defined Variable [TT] (MPU1)li_pnt_m2pantorisedr1 = 0.0 | | OK | 0 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10133 | R | Read Defined Variable [TT] (MPU1)li_pnt_m2pantorisedr2 = 0.0 | | OK | 0 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10134 | A | Put the Master controller of Traction/Brake in 100% TRACTION position | | OK | | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10135 | R | Read Defined Variable [TT] (BCU1)Li_Traction = 1.0 | | OK | 1 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10136 | R | Read Defined Variable [TT] (BCU2)Li_Traction = 1.0 | | OK | 1 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10137 | R | Read Defined Variable [TT] (TBCU1)LI_TRACTION = 1.0 | | OK | 1 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10138 | R | Read Defined Variable [TT] (TBCU2)LI_TRACTION = 1.0 | | OK | 1 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10139 | R | Read Defined Variable [TT] (TBCU3)LI_TRACTION = 1.0 | | OK | 1 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10140 | R | Read Defined Variable [TT] (TBCU4)LI_TRACTION = 1.0 | | OK | 1 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10141 | R | Read Defined Variable [TT] (BCU1)Li_noBrake = 1.0 | | OK | 1 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10142 | R | Read Defined Variable [TT] (BCU2)Li_noBrake = 1.0 | | OK | 1 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10143 | R | Read Defined Variable [TT] (TBCU1)LI_NOBRAKE = 1.0 | | OK | 1 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10144 | R | Read Defined Variable [TT] (TBCU2)LI_NOBRAKE = 1.0 | | OK | 1 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10145 | R | Read Defined Variable [TT] (TBCU3)LI_NOBRAKE = 1.0 | | OK | 1 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10146 | R | Read Defined Variable [TT] (TBCU4)LI_NOBRAKE = 1.0 | | OK | 1 | Alleta Sekgololo 417407 | Train |

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| | | | | | | 05.05.2025 | |
| 10147 | R | Read Min/Max [TT] (MPU1)ai_drc_tc1mcpositionch1 : 29183<= x <= 31102 | OK | 30832 | Alleta Sekgololo 417407 05.05.2025 | Train | |
| 10148 | R | Read Min/Max [TT] (MPU1)ai_drc_tc1mcpositionch2 : 29183<= x <= 31102 | OK | 30864 | Alleta Sekgololo 417407 05.05.2025 | Train | |
| 10149 | R | Read Defined Variable [TT] (MPU1)li_drc_tc1mctractonr1 = 1.0 | OK | 1 | Alleta Sekgololo 417407 05.05.2025 | Train | |
| 10150 | R | Read Defined Variable [TT] (MPU1)li_drc_tc1mctractonr2 = 1.0 | OK | 1 | Alleta Sekgololo 417407 05.05.2025 | Train | |
| 10151 | R | Read Defined Variable [TT] (MPU1)li_drc_tc1mcnoastr1 = 1.0 | OK | 1 | Alleta Sekgololo 417407 05.05.2025 | Train | |
| 10152 | R | Read Defined Variable [TT] (MPU1)li_drc_tc1mcnoastr2 = 1.0 | OK | 1 | Alleta Sekgololo 417407 05.05.2025 | Train | |
| 10153 | R | Read Defined Variable [TT] (MPU1)li_drc_tc1mcbraker1 = 0.0 | OK | 0 | Alleta Sekgololo 417407 05.05.2025 | Train | |
| 10154 | R | Read Defined Variable [TT] (MPU1)li_drc_tc1mcbraker2 = 0.0 | OK | 0 | Alleta Sekgololo 417407 05.05.2025 | Train | |
| 10155 | R | Read Defined Variable [TT] (MPU1)li_drc_tc1mcemergencybraker1 = 0.0 | OK | 0 | Alleta Sekgololo 417407 05.05.2025 | Train | |
| 10156 | R | Read Defined Variable [TT] (MPU1)li_drc_tc1mcemergencybraker2 = 0.0 | OK | 0 | Alleta Sekgololo 417407 05.05.2025 | Train | |
| 10157 | A | Put the Master controller of Traction/Brake in OFF position | OK | | Alleta Sekgololo 417407 05.05.2025 | Train | |
| 10158 | R | Read Defined Variable [TT] (BCU1)Li_Traction = 0.0 | OK | 0 | Alleta Sekgololo 417407 05.05.2025 | Train | |
| 10159 | R | Read Defined Variable [TT] (BCU2)Li_Traction = 0.0 | OK | 0 | Alleta Sekgololo 417407 05.05.2025 | Train | |
| 10160 | R | Read Defined Variable [TT] (TBCU1)LI_TRACTION = 0.0 | OK | 0 | Alleta Sekgololo 417407 05.05.2025 | Train | |
| 10161 | R | Read Defined Variable [TT] (TBCU2)LI_TRACTION = 0.0 | OK | 0 | Alleta Sekgololo 417407 05.05.2025 | Train | |
| 10162 | R | Read Defined Variable [TT] (TBCU3)LI_TRACTION = 0.0 | OK | 0 | Alleta Sekgololo 417407 05.05.2025 | Train | |
| 10163 | R | Read Defined Variable [TT] (TBCU4)LI_TRACTION = 0.0 | OK | 0 | Alleta Sekgololo 417407 05.05.2025 | Train | |
| 10164 | R | Read Defined Variable [TT] (BCU1)Li_noBrake = 1.0 | OK | 1 | Alleta Sekgololo 417407 05.05.2025 | Train | |

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|-------|---|---|----|------|--|-------|
| 10165 | R | Read Defined Variable [TT] (BCU2)Li_noBrake = 1.0 | OK | 1 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10166 | R | Read Defined Variable [TT] (TBCU1)LI_NOBRAKE = 1.0 | OK | 1 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10167 | R | Read Defined Variable [TT] (TBCU2)LI_NOBRAKE = 1.0 | OK | 1 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10168 | R | Read Defined Variable [TT] (TBCU3)LI_NOBRAKE = 1.0 | OK | 1 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10169 | R | Read Defined Variable [TT] (TBCU4)LI_NOBRAKE = 1.0 | OK | 1 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10170 | R | Read Min/Max [TT] (MPU1)ai_drc_tc1mcpositionch1 : 5479<= x <= 6369 | OK | 5984 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10171 | R | Read Min/Max [TT] (MPU1)ai_drc_tc1mcpositionch2 : 5479<= x <= 6369 | OK | 5984 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10172 | R | Read Defined Variable [TT] (MPU1)li_drc_tc1mctractonr1 = 0.0 | OK | 0 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10173 | R | Read Defined Variable [TT] (MPU1)li_drc_tc1mctractonr2 = 0.0 | OK | 0 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10174 | R | Read Defined Variable [TT] (MPU1)li_drc_tc1mcnocoastr1 = 0.0 | OK | 0 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10175 | R | Read Defined Variable [TT] (MPU1)li_drc_tc1mcnocoastr2 = 0.0 | OK | 0 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10176 | R | Read Defined Variable [TT] (MPU1)li_drc_tc1mcbraker1 = 0.0 | OK | 0 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10177 | R | Read Defined Variable [TT] (MPU1)li_drc_tc1mcbraker2 = 0.0 | OK | 0 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10178 | R | Read Defined Variable [TT] (MPU1)li_drc_tc1mcemergencybraker1 = 0.0 | OK | 0 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10179 | A | Put the direction selector switch in REVERSE position | OK | | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10180 | A | Put the Master controller of Traction/Brake in 100% BRAKE position | OK | | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10181 | R | Read Defined Variable [TT] (BCU1)Li_Traction = 0.0 | OK | 0 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10182 | R | Read Defined Variable [TT] (BCU2)Li_Traction = 0.0 | OK | 0 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10183 | R | Read Defined Variable [TT] (TBCU1)LI_TRACTION = 0.0 | OK | 0 | Alleta Sekgololo 417407 | Train |

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|-------|---|--|----|-------|----------------------------|------------|-------|
| | | | | | | 05.05.2025 | |
| 10184 | R | Read Defined Variable [TT] (TBCU2)LI_TRACTION = 0.0 | OK | 0 | Alleta Sekgololo 417407 | 05.05.2025 | Train |
| 10185 | R | Read Defined Variable [TT] (TBCU3)LI_TRACTION = 0.0 | OK | 0 | Alleta Sekgololo 417407 | 05.05.2025 | Train |
| 10186 | R | Read Defined Variable [TT] (TBCU4)LI_TRACTION = 0.0 | OK | 0 | Alleta Sekgololo 417407 | 05.05.2025 | Train |
| 10187 | R | Read Defined Variable [TT] (BCU1)Li_noBrake = 0.0 | OK | 0 | Alleta Sekgololo 417407 | 05.05.2025 | Train |
| 10188 | R | Read Defined Variable [TT] (BCU2)Li_noBrake = 0.0 | OK | 0 | Alleta Sekgololo 417407 | 05.05.2025 | Train |
| 10189 | R | Read Defined Variable [TT] (TBCU1)LI_NOBRAKE = 0.0 | OK | 0 | Alleta Sekgololo 417407 | 05.05.2025 | Train |
| 10190 | R | Read Defined Variable [TT] (TBCU2)LI_NOBRAKE = 0.0 | OK | 0 | Alleta Sekgololo 417407 | 05.05.2025 | Train |
| 10191 | R | Read Defined Variable [TT] (TBCU3)LI_NOBRAKE = 0.0 | OK | 0 | Alleta Sekgololo 417407 | 05.05.2025 | Train |
| 10192 | R | Read Defined Variable [TT] (TBCU4)LI_NOBRAKE = 0.0 | OK | 0 | Alleta Sekgololo 417407 | 05.05.2025 | Train |
| 10193 | R | Read Min/Max [TT] (MPU1)ai_drc_tc1mcpositionch1 : 29183<= x <= 31102 | OK | 30848 | Alleta Sekgololo 417407 | 05.05.2025 | Train |
| 10194 | R | Read Min/Max [TT] (MPU1)ai_drc_tc1mcpositionch2 : 29183<= x <= 31102 | OK | 30864 | Alleta Sekgololo 417407 | 05.05.2025 | Train |
| 10195 | R | Read Defined Variable [TT] (MPU1)li_drc_tc1mtractionr1 = 0.0 | OK | 0 | Alleta Sekgololo 417407 | 05.05.2025 | Train |
| 10196 | R | Read Defined Variable [TT] (MPU1)li_drc_tc1mtractionr2 = 0.0 | OK | 0 | Alleta Sekgololo 417407 | 05.05.2025 | Train |
| 10197 | R | Read Defined Variable [TT] (MPU1)li_drc_tc1mncocastr1 = 1.0 | OK | 1 | Alleta Sekgololo 417407 | 05.05.2025 | Train |
| 10198 | R | Read Defined Variable [TT] (MPU1)li_drc_tc1mncocastr2 = 1.0 | OK | 1 | Alleta Sekgololo 417407 | 05.05.2025 | Train |
| 10199 | R | Read Defined Variable [TT] (MPU1)li_drc_tc1mcbraker1 = 1.0 | OK | 1 | Alleta Sekgololo 417407 | 05.05.2025 | Train |
| 10200 | R | Read Defined Variable [TT] (MPU1)li_drc_tc1mcbraker2 = 1.0 | OK | 1 | Alleta Sekgololo 417407 | 05.05.2025 | Train |
| 10201 | R | Read Defined Variable [TT] (MPU1)li_drc_tc1mcemergencybraker1 = 0.0 | OK | 0 | Alleta Sekgololo 417407 | 05.05.2025 | Train |

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| 10202 | R | Read Defined Variable [TT] (MPU1)li_drc_tc1mcemergencybraker2 = 0.0 | OK | 0 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10203 | A | Put the Master controller of Traction/Brake in EMERGENCY BRAKE position | OK | | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10204 | R | Read Defined Variable [TT] (BCU1)Li_Traction = 0.0 | OK | 0 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10205 | R | Read Defined Variable [TT] (BCU2)Li_Traction = 0.0 | OK | 0 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10206 | R | Read Defined Variable [TT] (TBCU1)LI_TRACTION = 0.0 | OK | 0 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10207 | R | Read Defined Variable [TT] (TBCU2)LI_TRACTION = 0.0 | OK | 0 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10208 | R | Read Defined Variable [TT] (TBCU3)LI_TRACTION = 0.0 | OK | 0 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10209 | R | Read Defined Variable [TT] (TBCU4)LI_TRACTION = 0.0 | OK | 0 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10210 | R | Read Defined Variable [TT] (BCU1)Li_noBrake = 0.0 | OK | 0 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10211 | R | Read Defined Variable [TT] (BCU2)Li_noBrake = 0.0 | OK | 0 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10212 | R | Read Defined Variable [TT] (TBCU1)LI_NOBRAKE = 0.0 | OK | 0 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10213 | R | Read Defined Variable [TT] (TBCU2)LI_NOBRAKE = 0.0 | OK | 0 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10214 | R | Read Defined Variable [TT] (TBCU3)LI_NOBRAKE = 0.0 | OK | 0 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10215 | R | Read Defined Variable [TT] (TBCU4)LI_NOBRAKE = 0.0 | OK | 0 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10216 | R | Read Min/Max [TT] (MPU1)ai_drc_tc1mcpositionch1 : 29183<= x <= 31102 | OK | 30848 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10217 | R | Read Min/Max [TT] (MPU1)ai_drc_tc1mcpositionch2 : 29183<= x <= 31102 | OK | 30880 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10218 | R | Read Defined Variable [TT] (MPU1)li_drc_tc1mctractonr1 = 0.0 | OK | 0 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10219 | R | Read Defined Variable [TT] (MPU1)li_drc_tc1mctractonr2 = 0.0 | OK | 0 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10220 | R | Read Defined Variable [TT] (MPU1)li_drc_tc1mcnocostr1 = 1.0 | OK | 1 | Alleta Sekgololo 417407 | Train |

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| | | | | | | 05.05.2025 | |
| 10221 | R | Read Defined Variable [TT] (MPU1)li_drc_tc1mcnoastr2 = 1.0 | | OK | 1 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10222 | R | Read Defined Variable [TT] (MPU1)li_drc_tc1mcbraker1 = 1.0 | | OK | 1 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10223 | R | Read Defined Variable [TT] (MPU1)li_drc_tc1mcbraker2 = 1.0 | | OK | 1 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10224 | R | Read Defined Variable [TT] (MPU1)li_drc_tc1mcemergencybraker1 = 1.0 | | OK | 1 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10225 | R | Read Defined Variable [TT] (MPU1)li_drc_tc1mcemergencybraker2 = 1.0 | | OK | 1 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10226 | I | Driving command TC2 side | | OK | | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10227 | I | Direction Selector Switch TC2 | | OK | | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10228 | A | Switch active cab to TC2 | | OK | | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10229 | A | Press 21S1 to raise the Pantographs | | OK | | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10230 | A | Press 22S11 to close the HSCB | | OK | | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10231 | A | Put the Direction selector switch 30A1.S2 in NEUTRAL position | | OK | | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10232 | R | Read Defined Variable [TT] (TBCU1)LI_FORWARD = 0.0 | | OK | 0 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10233 | R | Read Defined Variable [TT] (TBCU2)LI_FORWARD = 0.0 | | OK | 0 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10234 | R | Read Defined Variable [TT] (TBCU3)LI_FORWARD = 0.0 | | OK | 0 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10235 | R | Read Defined Variable [TT] (TBCU4)LI_FORWARD = 0.0 | | OK | 0 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10236 | R | Read Defined Variable [TT] (TBCU1)LI_REVERSE = 0.0 | | OK | 0 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10237 | R | Read Defined Variable [TT] (TBCU2)LI_REVERSE = 0.0 | | OK | 0 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10238 | R | Read Defined Variable [TT] (TBCU3)LI_REVERSE = 0.0 | | OK | 0 | Alleta Sekgololo 417407 05.05.2025 | Train |

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| 10239 | R | Read Defined Variable [TT] (TBCU4)LI_REVERSE = 0.0 | OK | 0 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10240 | A | Put the Direction selector switch 30A1.S2 in FORWARD position | OK | | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10241 | R | Read Defined Variable [TT] (TBCU1)LI_FORWARD = 0.0 | OK | 0 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10242 | R | Read Defined Variable [TT] (TBCU2)LI_FORWARD = 1.0 | OK | 1 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10243 | R | Read Defined Variable [TT] (TBCU3)LI_FORWARD = 1.0 | OK | 1 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10244 | R | Read Defined Variable [TT] (TBCU4)LI_FORWARD = 0.0 | OK | 0 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10245 | R | Read Defined Variable [TT] (TBCU1)LI_REVERSE = 1.0 | OK | 1 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10246 | R | Read Defined Variable [TT] (TBCU2)LI_REVERSE = 0.0 | OK | 0 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10247 | R | Read Defined Variable [TT] (TBCU3)LI_REVERSE = 0.0 | OK | 0 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10248 | R | Read Defined Variable [TT] (TBCU4)LI_REVERSE = 1.0 | OK | 1 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10249 | A | Put the Direction selector switch 30A1.S2 in REVERSE position | OK | | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10250 | R | Read Defined Variable [TT] (TBCU1)LI_FORWARD = 1.0 | OK | 1 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10251 | R | Read Defined Variable [TT] (TBCU2)LI_FORWARD = 0.0 | OK | 0 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10252 | R | Read Defined Variable [TT] (TBCU3)LI_FORWARD = 0.0 | OK | 0 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10253 | R | Read Defined Variable [TT] (TBCU4)LI_FORWARD = 1.0 | OK | 1 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10254 | R | Read Defined Variable [TT] (TBCU1)LI_REVERSE = 0.0 | OK | 0 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10255 | R | Read Defined Variable [TT] (TBCU2)LI_REVERSE = 1.0 | OK | 1 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10256 | R | Read Defined Variable [TT] (TBCU3)LI_REVERSE = 1.0 | OK | 1 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10257 | R | Read Defined Variable [TT] (TBCU4)LI_REVERSE = 0.0 | OK | 0 | Alleta Sekgololo 417407 | Train |

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| | | | | | | 05.05.2025 | |
| 10258 | A | Put Master Controller in OFF position | | OK | | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10259 | I | Button Lamp 30S2 is OFF | | OK | | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10260 | I | Reduced Power Test TC2 | | OK | | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10261 | A | Put the driving mode switch in SPEED CONTROL mode | | OK | | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10262 | A | Press button 30S2 to activate the reduced power mode and maintain it | | OK | | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10263 | R | Read Defined Variable [TT] (MPU1)li_drc_tc2reducedpowerr1 = 1.0 | | OK | 1 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10264 | R | Read Defined Variable [TT] (MPU1)lo_drc_tc2reducedlampr1 = 1.0 | | OK | 1 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10265 | R | Button Lamp 30S2 is ON | | OK | | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10266 | A | Release the button 30S2 and press it again to de-activate reduced power mode | | OK | | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10267 | R | Button Lamp 30S2 is OFF | | OK | | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10268 | R | Read Defined Variable [TT] (MPU1)li_drc_tc2reducedpowerr1 = 0.0 | | OK | 0 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10269 | R | Read Defined Variable [TT] (MPU1)lo_drc_tc2reducedlampr1 = 0.0 | | OK | 0 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10270 | A | Put the driving mode switch to EFFORT mode | | OK | | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10271 | A | Press button 30S2 to activate the reduced power mode and maintain it | | OK | | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10272 | R | Read Defined Variable [TT] (MPU1)li_drc_tc2reducedpowerr1 = 1.0 | | OK | 1 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10273 | R | Read Defined Variable [TT] (MPU1)lo_drc_tc2reducedlampr1 = 1.0 | | OK | 1 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10274 | A | Release the button 30S2 and press it again to de-activate reduced power mode | | OK | | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10275 | R | Read Defined Variable [TT] (MPU1)lo_drc_tc2reducedlampr1 = 0.0 | | OK | 0 | Alleta Sekgololo 417407 05.05.2025 | Train |

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| 10276 | I | It not possible to activate reduced power in depot or coupling mode | | OK | | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10277 | A | Put the driving mode switch to DEPOT mode | | OK | | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10278 | A | Press button 30S2 to activate the reduced power mode and maintain it | | OK | | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10279 | R | Read Defined Variable [TT] (MPU1)lo_drc_tc2reducedlampr1 = 0.0 | | OK | 0 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10280 | R | Read Defined Variable [TT] (MPU1)li_drc_tc2reducedpowerr1 = 1.0 | | OK | 1 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10281 | A | Release the button 30S2 | | OK | | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10282 | A | Put the driving mode switch to COUPLING mode | | OK | | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10283 | A | Press button 30S2 to activate the reduced power mode and maintain it | | OK | | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10284 | R | Read Defined Variable [TT] (MPU1)li_drc_tc2reducedpowerr1 = 1.0 | | OK | 1 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10285 | R | Read Defined Variable [TT] (MPU1)lo_drc_tc2reducedlampr1 = 0.0 | | OK | 0 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10286 | A | Release the button 30S2 | | OK | | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10287 | I | Master Controller/ No Brake | | OK | | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10288 | I | The direction selector switch 30A1.S2 must be in NEUTRAL position | | OK | | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10289 | I | The Master controller of Traction/Brake should be on OFF position | | OK | | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10290 | I | Emergency Brake must be applied | | OK | | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10291 | I | All doors should be closed | | OK | | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10292 | I | The Traction Interlock Override Switch 31S1 should be in NORMAL position | | OK | | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10293 | R | LED 31H1 is OFF on the alarm module | | OK | | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10294 | R | LED 44H4 is "ON" on the alarm module | | OK | | Alleta Sekgololo 417407 | Train |

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| | | | | | | 05.05.2025 | |
| 10295 | R | Read Defined Variable [TT] (BCU1)Li_Traction = 0.0 | OK | 0 | Alleta Sekgololo 417407 05.05.2025 | Train | |
| 10296 | R | Read Defined Variable [TT] (BCU2)Li_Traction = 0.0 | OK | 0 | Alleta Sekgololo 417407 05.05.2025 | Train | |
| 10297 | R | Read Defined Variable [TT] (TBCU1)LI_TRACTION = 0.0 | OK | 0 | Alleta Sekgololo 417407 05.05.2025 | Train | |
| 10298 | R | Read Defined Variable [TT] (TBCU2)LI_TRACTION = 0.0 | OK | 0 | Alleta Sekgololo 417407 05.05.2025 | Train | |
| 10299 | R | Read Defined Variable [TT] (TBCU3)LI_TRACTION = 0.0 | OK | 0 | Alleta Sekgololo 417407 05.05.2025 | Train | |
| 10300 | R | Read Defined Variable [TT] (TBCU4)LI_TRACTION = 0.0 | OK | 0 | Alleta Sekgololo 417407 05.05.2025 | Train | |
| 10301 | R | Read Defined Variable [TT] (BCU1)Li_noBrake = 1.0 | OK | 1 | Alleta Sekgololo 417407 05.05.2025 | Train | |
| 10302 | R | Read Defined Variable [TT] (BCU2)Li_noBrake = 1.0 | OK | 1 | Alleta Sekgololo 417407 05.05.2025 | Train | |
| 10303 | R | Read Defined Variable [TT] (TBCU1)LI_NOBRAKE = 1.0 | OK | 1 | Alleta Sekgololo 417407 05.05.2025 | Train | |
| 10304 | R | Read Defined Variable [TT] (TBCU2)LI_NOBRAKE = 1.0 | OK | 1 | Alleta Sekgololo 417407 05.05.2025 | Train | |
| 10305 | R | Read Defined Variable [TT] (TBCU3)LI_NOBRAKE = 1.0 | OK | 1 | Alleta Sekgololo 417407 05.05.2025 | Train | |
| 10306 | R | Read Defined Variable [TT] (TBCU4)LI_NOBRAKE = 1.0 | OK | 1 | Alleta Sekgololo 417407 05.05.2025 | Train | |
| 10307 | R | Read Min/Max [TT] (MPU1)ai_drc_tc2mcpoositionch1 : 5479<= x <= 6369 | OK | 5968 | Alleta Sekgololo 417407 05.05.2025 | Train | |
| 10308 | R | Read Min/Max [TT] (MPU1)ai_drc_tc2mcpoositionch2 : 5479<= x <= 6369 | OK | 5968 | Alleta Sekgololo 417407 05.05.2025 | Train | |
| 10309 | R | Read Defined Variable [TT] (MPU1)li_drc_tc2mctractio1 = 0.0 | OK | 0 | Alleta Sekgololo 417407 05.05.2025 | Train | |
| 10310 | R | Read Defined Variable [TT] (MPU1)li_drc_tc2mctractio2 = 0.0 | OK | 0 | Alleta Sekgololo 417407 05.05.2025 | Train | |
| 10311 | R | Read Defined Variable [TT] (MPU1)li_drc_tc2mcoastr1 = 0.0 | OK | 0 | Alleta Sekgololo 417407 05.05.2025 | Train | |
| 10312 | R | Read Defined Variable [TT] (MPU1)li_drc_tc2mcoastr2 = 0.0 | OK | 0 | Alleta Sekgololo 417407 05.05.2025 | Train | |

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| 10313 | R | Read Defined Variable [TT] (MPU1)li_drc_tc2mcbraker1 = 0.0 | OK | 0 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10314 | R | Read Defined Variable [TT] (MPU1)li_drc_tc2mcbraker2 = 0.0 | OK | 0 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10315 | R | Read Defined Variable [TT] (MPU1)li_drc_tc2mcemergencybraker1 = 0.0 | OK | 0 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10316 | R | Read Defined Variable [TT] (MPU1)li_drc_tc2mcemergencybraker2 = 0.0 | OK | 0 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10317 | A | Put the Direction selector switch 30A1.S2 in FORWARD position | OK | | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10318 | I | No emergency brake is applied | OK | | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10319 | R | LED 44H4 is OFF on the alarm module | OK | | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10320 | R | LED 31H1 is "ON" on the alarm module | OK | | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10321 | R | Relay 31K1 and 31K2 are energized | OK | | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10322 | R | Read Defined Variable [TT] (BCU1)Li_Traction = 0.0 | OK | 0 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10323 | R | Read Defined Variable [TT] (BCU2)Li_Traction = 0.0 | OK | 0 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10324 | R | Read Defined Variable [TT] (TBCU1)LI_TRACTION = 0.0 | OK | 0 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10325 | R | Read Defined Variable [TT] (TBCU2)LI_TRACTION = 0.0 | OK | 0 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10326 | R | Read Defined Variable [TT] (TBCU3)LI_TRACTION = 0.0 | OK | 0 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10327 | R | Read Defined Variable [TT] (TBCU4)LI_TRACTION = 0.0 | OK | 0 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10328 | R | Read Defined Variable [TT] (BCU1)Li_noBrake = 1.0 | OK | 1 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10329 | R | Read Defined Variable [TT] (BCU2)Li_noBrake = 1.0 | OK | 1 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10330 | R | Read Defined Variable [TT] (TBCU1)LI_NOBRAKE = 1.0 | OK | 1 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10331 | R | Read Defined Variable [TT] (TBCU2)LI_NOBRAKE = 1.0 | OK | 1 | Alleta Sekgololo 417407 | Train |

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| | | | | | | 05.05.2025 | |
| 10332 | R | Read Defined Variable [TT] (TBCU3)LI_NOBRAKE = 1.0 | OK | 1 | Alleta Sekgololo 417407 | 05.05.2025 | Train |
| 10333 | R | Read Defined Variable [TT] (TBCU4)LI_NOBRAKE = 1.0 | OK | 1 | Alleta Sekgololo 417407 | 05.05.2025 | Train |
| 10334 | R | Read Min/Max [TT] (MPU1)ai_drc_tc2mcpositionch1 : 5479<= x <= 6369 | OK | 5984 | Alleta Sekgololo 417407 | 05.05.2025 | Train |
| 10335 | R | Read Min/Max [TT] (MPU1)ai_drc_tc2mcpositionch2 : 5479<= x <= 6369 | OK | 5968 | Alleta Sekgololo 417407 | 05.05.2025 | Train |
| 10336 | R | Read Defined Variable [TT] (MPU1)li_drc_tc2mctractio1 = 0.0 | OK | 0 | Alleta Sekgololo 417407 | 05.05.2025 | Train |
| 10337 | R | Read Defined Variable [TT] (MPU1)li_drc_tc2mctractio2 = 0.0 | OK | 0 | Alleta Sekgololo 417407 | 05.05.2025 | Train |
| 10338 | R | Read Defined Variable [TT] (MPU1)li_drc_tc2mcnoastr1 = 0.0 | OK | 0 | Alleta Sekgololo 417407 | 05.05.2025 | Train |
| 10339 | R | Read Defined Variable [TT] (MPU1)li_drc_tc2mcnoastr2 = 0.0 | OK | 0 | Alleta Sekgololo 417407 | 05.05.2025 | Train |
| 10340 | R | Read Defined Variable [TT] (MPU1)li_drc_tc2mcbraker1 = 0.0 | OK | 0 | Alleta Sekgololo 417407 | 05.05.2025 | Train |
| 10341 | R | Read Defined Variable [TT] (MPU1)li_drc_tc2mcbraker2 = 0.0 | OK | 0 | Alleta Sekgololo 417407 | 05.05.2025 | Train |
| 10342 | R | Read Defined Variable [TT] (MPU1)li_drc_tc2mcemergencybraker1 = 0.0 | OK | 0 | Alleta Sekgololo 417407 | 05.05.2025 | Train |
| 10343 | R | Read Defined Variable [TT] (MPU1)li_drc_tc2mcemergencybraker2 = 0.0 | OK | 0 | Alleta Sekgololo 417407 | 05.05.2025 | Train |
| 10344 | I | For safety purposes ENSURE that NO one is working NEAR, OUTSIDE or on the DOORS of the Train | OK | | Alleta Sekgololo 417407 | 05.05.2025 | Train |
| 10345 | A | Press Automatic Start Button to Drop the Pantographs | OK | | Alleta Sekgololo 417407 | 05.05.2025 | Train |
| 10346 | A | Timer 15.0 S | OK | | Alleta Sekgololo 417407 | 05.05.2025 | Train |
| 10347 | R | Read Defined Variable [TT] (MPU1)li_pnt_m1pantorisedr1 = 0.0 | OK | 0 | Alleta Sekgololo 417407 | 05.05.2025 | Train |
| 10348 | R | Read Defined Variable [TT] (MPU1)li_pnt_m1pantorisedr2 = 0.0 | OK | 0 | Alleta Sekgololo 417407 | 05.05.2025 | Train |
| 10349 | R | Read Defined Variable [TT] (MPU1)li_pnt_m2pantorisedr1 = 0.0 | OK | 0 | Alleta Sekgololo 417407 | 05.05.2025 | Train |

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| 10350 | R | Read Defined Variable [TT] (MPU1)li_pnt_m2pantorisedr2 = 0.0 | OK | 0 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10351 | A | Put the Master controller of Traction/Brake in 100% TRACTION position | OK | | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10352 | R | Read Defined Variable [TT] (BCU1)Li_Traction = 1.0 | OK | 1 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10353 | R | Read Defined Variable [TT] (BCU2)Li_Traction = 1.0 | OK | 1 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10354 | R | Read Defined Variable [TT] (TBCU1)LI_TRACTION = 1.0 | OK | 1 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10355 | R | Read Defined Variable [TT] (TBCU2)LI_TRACTION = 1.0 | OK | 1 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10356 | R | Read Defined Variable [TT] (TBCU3)LI_TRACTION = 1.0 | OK | 1 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10357 | R | Read Defined Variable [TT] (TBCU4)LI_TRACTION = 1.0 | OK | 1 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10358 | R | Read Defined Variable [TT] (BCU1)Li_noBrake = 1.0 | OK | 1 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10359 | R | Read Defined Variable [TT] (BCU2)Li_noBrake = 1.0 | OK | 1 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10360 | R | Read Defined Variable [TT] (TBCU1)LI_NOBRAKE = 1.0 | OK | 1 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10361 | R | Read Defined Variable [TT] (TBCU2)LI_NOBRAKE = 1.0 | OK | 1 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10362 | R | Read Defined Variable [TT] (TBCU3)LI_NOBRAKE = 1.0 | OK | 1 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10363 | R | Read Defined Variable [TT] (TBCU4)LI_NOBRAKE = 1.0 | OK | 1 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10364 | R | Read Min/Max [TT] (MPU1)ai_drc_tc2mcpositionch1 : 29183<= x <= 31102 | OK | 30912 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10365 | R | Read Min/Max [TT] (MPU1)ai_drc_tc2mcpositionch2 : 29183<= x <= 31102 | OK | 30864 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10366 | R | Read Defined Variable [TT] (MPU1)li_drc_tc2mctractio1 = 1.0 | OK | 1 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10367 | R | Read Defined Variable [TT] (MPU1)li_drc_tc2mctractio2 = 1.0 | OK | 1 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10368 | R | Read Defined Variable [TT] (MPU1)li_drc_tc2mcoastr1 = 1.0 | OK | 1 | Alleta Sekgololo 417407 | Train |

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|-------|---|--|----|---|--|------------|--|
| | | | | | | 05.05.2025 | |
| 10369 | R | Read Defined Variable [TT] (MPU1)li_drc_tc2mcnoastr2 = 1.0 | OK | 1 | Alleta Sekgololo 417407 05.05.2025 | Train | |
| 10370 | R | Read Defined Variable [TT] (MPU1)li_drc_tc2mcbraker1 = 0.0 | OK | 0 | Alleta Sekgololo 417407 05.05.2025 | Train | |
| 10371 | R | Read Defined Variable [TT] (MPU1)li_drc_tc2mcbraker2 = 0.0 | OK | 0 | Alleta Sekgololo 417407 05.05.2025 | Train | |
| 10372 | R | Read Defined Variable [TT] (MPU1)li_drc_tc2mcemergencybraker1 = 0.0 | OK | 0 | Alleta Sekgololo 417407 05.05.2025 | Train | |
| 10373 | R | Read Defined Variable [TT] (MPU1)li_drc_tc2mcemergencybraker2 = 0.0 | OK | 0 | Alleta Sekgololo 417407 05.05.2025 | Train | |
| 10374 | A | Put the Master controller of Traction/Brake in OFF position | OK | | Alleta Sekgololo 417407 05.05.2025 | Train | |
| 10375 | R | Read Defined Variable [TT] (BCU1)Li_Traction = 0.0 | OK | 0 | Alleta Sekgololo 417407 05.05.2025 | Train | |
| 10376 | R | Read Defined Variable [TT] (BCU2)Li_Traction = 0.0 | OK | 0 | Alleta Sekgololo 417407 05.05.2025 | Train | |
| 10377 | R | Read Defined Variable [TT] (TBCU1)LI_TRACTION = 0.0 | OK | 0 | Alleta Sekgololo 417407 05.05.2025 | Train | |
| 10378 | R | Read Defined Variable [TT] (TBCU2)LI_TRACTION = 0.0 | OK | 0 | Alleta Sekgololo 417407 05.05.2025 | Train | |
| 10379 | R | Read Defined Variable [TT] (TBCU3)LI_TRACTION = 0.0 | OK | 0 | Alleta Sekgololo 417407 05.05.2025 | Train | |
| 10380 | R | Read Defined Variable [TT] (TBCU4)LI_TRACTION = 0.0 | OK | 0 | Alleta Sekgololo 417407 05.05.2025 | Train | |
| 10381 | R | Read Defined Variable [TT] (BCU1)Li_noBrake = 1.0 | OK | 1 | Alleta Sekgololo 417407 05.05.2025 | Train | |
| 10382 | R | Read Defined Variable [TT] (BCU2)Li_noBrake = 1.0 | OK | 1 | Alleta Sekgololo 417407 05.05.2025 | Train | |
| 10383 | R | Read Defined Variable [TT] (TBCU1)LI_NOBRAKE = 1.0 | OK | 1 | Alleta Sekgololo 417407 05.05.2025 | Train | |
| 10384 | R | Read Defined Variable [TT] (TBCU2)LI_NOBRAKE = 1.0 | OK | 1 | Alleta Sekgololo 417407 05.05.2025 | Train | |
| 10385 | R | Read Defined Variable [TT] (TBCU3)LI_NOBRAKE = 1.0 | OK | 1 | Alleta Sekgololo 417407 05.05.2025 | Train | |
| 10386 | R | Read Defined Variable [TT] (TBCU4)LI_NOBRAKE = 1.0 | OK | 1 | Alleta Sekgololo 417407 05.05.2025 | Train | |

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|-------|---|---|----|------|--|-------|
| 10387 | R | Read Min/Max [TT] (MPU1)ai_drc_tc2mcpositionch1 : 5479<= x <= 6369 | OK | 5984 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10388 | R | Read Min/Max [TT] (MPU1)ai_drc_tc2mcpositionch2 : 5479<= x <= 6369 | OK | 5968 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10389 | R | Read Defined Variable [TT] (MPU1)li_drc_tc2mctractior1 = 0.0 | OK | 0 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10390 | R | Read Defined Variable [TT] (MPU1)li_drc_tc2mctractior2 = 0.0 | OK | 0 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10391 | R | Read Defined Variable [TT] (MPU1)li_drc_tc2mcnoastr1 = 0.0 | OK | 0 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10392 | R | Read Defined Variable [TT] (MPU1)li_drc_tc2mcnoastr2 = 0.0 | OK | 0 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10393 | R | Read Defined Variable [TT] (MPU1)li_drc_tc2mcbraker1 = 0.0 | OK | 0 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10394 | R | Read Defined Variable [TT] (MPU1)li_drc_tc2mcbraker2 = 0.0 | OK | 0 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10395 | R | Read Defined Variable [TT] (MPU1)li_drc_tc2mcemergencybraker1 = 0.0 | OK | 0 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10396 | R | Read Defined Variable [TT] (MPU1)li_drc_tc2mcemergencybraker2 = 0.0 | OK | 0 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10397 | A | Put the Master controller of Traction/Brake in 100% BRAKE position | OK | | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10398 | R | Read Defined Variable [TT] (BCU1)Li_Traction = 0.0 | OK | 0 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10399 | R | Read Defined Variable [TT] (BCU2)Li_Traction = 0.0 | OK | 0 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10400 | R | Read Defined Variable [TT] (TBCU1)LI_TRACTION = 0.0 | OK | 0 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10401 | R | Read Defined Variable [TT] (TBCU2)LI_TRACTION = 0.0 | OK | 0 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10402 | R | Read Defined Variable [TT] (TBCU3)LI_TRACTION = 0.0 | OK | 0 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10403 | R | Read Defined Variable [TT] (TBCU4)LI_TRACTION = 0.0 | OK | 0 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10404 | R | Read Defined Variable [TT] (BCU1)Li_noBrake = 0.0 | OK | 0 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10405 | R | Read Defined Variable [TT] (BCU2)Li_noBrake = 0.0 | OK | 0 | Alleta Sekgololo 417407 | Train |

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|-------|---|---|----|-------|----------------------------|------------|-------|
| | | | | | | 05.05.2025 | |
| 10406 | R | Read Defined Variable [TT] (TBCU1)LI_NOBRAKE = 0.0 | OK | 0 | Alleta Sekgololo 417407 | 05.05.2025 | Train |
| 10407 | R | Read Defined Variable [TT] (TBCU2)LI_NOBRAKE = 0.0 | OK | 0 | Alleta Sekgololo 417407 | 05.05.2025 | Train |
| 10408 | R | Read Defined Variable [TT] (TBCU3)LI_NOBRAKE = 0.0 | OK | 0 | Alleta Sekgololo 417407 | 05.05.2025 | Train |
| 10409 | R | Read Defined Variable [TT] (TBCU4)LI_NOBRAKE = 0.0 | OK | 0 | Alleta Sekgololo 417407 | 05.05.2025 | Train |
| 10410 | R | Read Min/Max [TT] (MPU1)ai_drc_tc2mcpositionch1 : 29183<= x <= 31102 | OK | 30352 | Alleta Sekgololo 417407 | 05.05.2025 | Train |
| 10411 | R | Read Min/Max [TT] (MPU1)ai_drc_tc2mcpositionch2 : 29183<= x <= 31102 | OK | 30864 | Alleta Sekgololo 417407 | 05.05.2025 | Train |
| 10412 | R | Read Defined Variable [TT] (MPU1)li_drc_tc2mctractio1 = 0.0 | OK | 0 | Alleta Sekgololo 417407 | 05.05.2025 | Train |
| 10413 | R | Read Defined Variable [TT] (MPU1)li_drc_tc2mctractio2 = 0.0 | OK | 0 | Alleta Sekgololo 417407 | 05.05.2025 | Train |
| 10414 | R | Read Defined Variable [TT] (MPU1)li_drc_tc2mcoastr1 = 1.0 | OK | 1 | Alleta Sekgololo 417407 | 05.05.2025 | Train |
| 10415 | R | Read Defined Variable [TT] (MPU1)li_drc_tc2mcoastr2 = 1.0 | OK | 1 | Alleta Sekgololo 417407 | 05.05.2025 | Train |
| 10416 | R | Read Defined Variable [TT] (MPU1)li_drc_tc2mcbra1 = 1.0 | OK | 1 | Alleta Sekgololo 417407 | 05.05.2025 | Train |
| 10417 | R | Read Defined Variable [TT] (MPU1)li_drc_tc2mcbra2 = 1.0 | OK | 1 | Alleta Sekgololo 417407 | 05.05.2025 | Train |
| 10418 | R | Read Defined Variable [TT] (MPU1)li_drc_tc2mcmbrake1 = 0.0 | OK | 0 | Alleta Sekgololo 417407 | 05.05.2025 | Train |
| 10419 | R | Read Defined Variable [TT] (MPU1)li_drc_tc2mcmbrake2 = 0.0 | OK | 0 | Alleta Sekgololo 417407 | 05.05.2025 | Train |
| 10420 | A | Put the Master controller of Traction/Brake in EMERGENCY BRAKE position | OK | | Alleta Sekgololo 417407 | 05.05.2025 | Train |
| 10421 | R | Read Defined Variable [TT] (BCU1)Li_Traction = 0.0 | OK | 0 | Alleta Sekgololo 417407 | 05.05.2025 | Train |
| 10422 | R | Read Defined Variable [TT] (BCU2)Li_Traction = 0.0 | OK | 0 | Alleta Sekgololo 417407 | 05.05.2025 | Train |
| 10423 | R | Read Defined Variable [TT] (TBCU1)LI_TRACTION = 0.0 | OK | 0 | Alleta Sekgololo 417407 | 05.05.2025 | Train |

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|-------|---|--|----|-------|--|-------|
| 10424 | R | Read Defined Variable [TT] (TBCU2)LI_TRACTION = 0.0 | OK | 0 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10425 | R | Read Defined Variable [TT] (TBCU3)LI_TRACTION = 0.0 | OK | 0 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10426 | R | Read Defined Variable [TT] (TBCU4)LI_TRACTION = 0.0 | OK | 0 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10427 | R | Read Defined Variable [TT] (BCU1)Li_noBrake = 0.0 | OK | 0 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10428 | R | Read Defined Variable [TT] (BCU2)Li_noBrake = 0.0 | OK | 0 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10429 | R | Read Defined Variable [TT] (TBCU1)LI_NOBRAKE = 0.0 | OK | 0 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10430 | R | Read Defined Variable [TT] (TBCU2)LI_NOBRAKE = 0.0 | OK | 0 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10431 | R | Read Defined Variable [TT] (TBCU3)LI_NOBRAKE = 0.0 | OK | 0 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10432 | R | Read Defined Variable [TT] (TBCU4)LI_NOBRAKE = 0.0 | OK | 0 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10433 | R | Read Min/Max [TT] (MPU1)ai_drc_tc2mcpositionch1 : 29183<= x <= 31102 | OK | 30896 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10434 | R | Read Min/Max [TT] (MPU1)ai_drc_tc2mcpositionch2 : 29183<= x <= 31102 | OK | 30864 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10435 | R | Read Defined Variable [TT] (MPU1)li_drc_tc2mctractio1 = 0.0 | OK | 0 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10436 | R | Read Defined Variable [TT] (MPU1)li_drc_tc2mctractio2 = 0.0 | OK | 0 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10437 | R | Read Defined Variable [TT] (MPU1)li_drc_tc2mcoastr1 = 1.0 | OK | 1 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10438 | R | Read Defined Variable [TT] (MPU1)li_drc_tc2mcoastr2 = 1.0 | OK | 1 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10439 | R | Read Defined Variable [TT] (MPU1)li_drc_tc2mcbra1 = 1.0 | OK | 1 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10440 | R | Read Defined Variable [TT] (MPU1)li_drc_tc2mcbra2 = 1.0 | OK | 1 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10441 | R | Read Defined Variable [TT] (MPU1)li_drc_tc2mcmbrake1 = 1.0 | OK | 1 | Alleta Sekgololo 417407 05.05.2025 | Train |

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|-------|---|--|--|----|---|--|-------|
| 10442 | R | Read Defined Variable [TT] (MPU1)li_drc_tc2mcmemergencybraker2 = 1.0 | | OK | 1 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10443 | A | Put the Master controller of Traction/Brake in OFF position | | OK | | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10444 | A | Put the direction switch to NEUTRAL position | | OK | | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10445 | A | Close HSCB using button 22S11 | | OK | | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10446 | I | End of Test | | OK | | Alleta Sekgololo 417407 05.05.2025 | Train |



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| Serial Tests Report TS280 – TFS RTR Train Functional Static Test Report | Document Reference GIB0000008079 Version: A0 | Emission date 16/05/2025 |
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Section 14 – Holding and Parking Brake

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 | | Mlungisi Madela 529927 05.05.2025 | Train |
| 10002 | I | Initial Conditions | | OK | | Mlungisi Madela 529927 05.05.2025 | Train |
| 10003 | I | Train must be properly scotched with sufficient scotch blocked to prevent it from moving | | OK | | Mlungisi Madela 529927 05.05.2025 | Train |
| 10004 | I | Automatic parking brake application | | OK | | Mlungisi Madela 529927 05.05.2025 | Train |
| 10005 | I | Train in LV ready with active cab on TC1 | | OK | | Mlungisi Madela 529927 05.05.2025 | Train |
| 10006 | A | Release parking brake using the switch 45S1 | | OK | | Mlungisi Madela 529927 05.05.2025 | Train |
| 10007 | R | Verify on the DDU that all cars have parking brake released | | OK | | Mlungisi Madela 529927 05.05.2025 | Train |
| 10008 | A | Force [TT] (MPU1)lo_air_tc1compenabler1 = 0.0 | | OK | | Sizwe Sibanyoni 484647 19.05.2025 | Train |
| 10009 | A | Force [TT] (MPU1)lo_air_tc1compenabler2 = 0.0 | | OK | | Sizwe Sibanyoni 484647 19.05.2025 | Train |
| 10010 | A | Force [TT] (MPU1)lo_air_tc2compenabler1 = 0.0 | | OK | | Sizwe Sibanyoni 484647 19.05.2025 | Train |
| 10011 | A | Force [TT] (MPU1)lo_air_tc2compenabler2 = 0.0 | | OK | | Sizwe Sibanyoni 484647 19.05.2025 | Train |
| 10012 | A | Drain the air from the main pipe until it reaches 0bar | | OK | | Sizwe Sibanyoni 484647 19.05.2025 | Train |
| 10013 | R | Main pipe pressure is 0bar on the Pneumatic indicator | | OK | | Sizwe Sibanyoni 484647 19.05.2025 | Train |
| 10014 | R | Verify on the DDU that all cars have parking brake applied | | OK | | Sizwe Sibanyoni 484647 19.05.2025 | Train |
| 10015 | R | Lamp 45H2 is "ON" on the alarm module | | OK | | Sizwe Sibanyoni 484647 19.05.2025 | Train |
| 10016 | R | Read Defined Variable [TT] (MPU1)tbcu2_parkbrakerelease = 0.0 | | OK | 0 | Mlungisi Madela 529927 05.05.2025 | Train |

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|-------|---|--|----|---|---|-------|
| 10017 | R | Read Defined Variable [TT] (MPU1)TBCU1_parkbrakerelease = 0.0 | OK | 0 | Mlungisi Madela 529927 05.05.2025 | Train |
| 10018 | R | Read Defined Variable [TT] (MPU1)bcu1_parkbrakerelease = 0.0 | OK | 0 | Mlungisi Madela 529927 05.05.2025 | Train |
| 10019 | R | Read Defined Variable [TT] (MPU1)BCU2_ParkBrakeRelease = 0.0 | OK | 0 | Sizwe Sibanyoni 484647 19.05.2025 | Train |
| 10020 | R | Read Defined Variable [TT] (MPU1)tbcu3_parkbrakerelease = 0.0 | OK | 0 | Mlungisi Madela 529927 05.05.2025 | Train |
| 10021 | R | Read Defined Variable [TT] (MPU1)tbcu4_parkbrakerelease = 0.0 | OK | 0 | Mlungisi Madela 529927 05.05.2025 | Train |
| 10022 | R | Read Defined Variable [TT] (MPU1)tbcu1_li_pbrake_stat = 1.0 | OK | 1 | Mlungisi Madela 529927 05.05.2025 | Train |
| 10023 | R | Read Defined Variable [TT] (MPU1)tbcu2_li_pbrake_stat = 1.0 | OK | 1 | Mlungisi Madela 529927 05.05.2025 | Train |
| 10024 | R | Read Defined Variable [TT] (MPU1)tbcu3_li_pbrake_stat = 1.0 | OK | 1 | Mlungisi Madela 529927 05.05.2025 | Train |
| 10025 | R | Read Defined Variable [TT] (MPU1)tbcu4_li_pbrake_stat = 1.0 | OK | 1 | Mlungisi Madela 529927 05.05.2025 | Train |
| 10026 | R | Read Defined Variable [TT] (MPU1)BCU2_ParkBrakelsolDC = 0.0 | OK | 0 | Sizwe Sibanyoni 484647 19.05.2025 | Train |
| 10027 | R | Read Defined Variable [TT] (MPU1)TBCU1_parkbrakeisoldc = 0.0 | OK | 0 | Mlungisi Madela 529927 05.05.2025 | Train |
| 10028 | R | Read Defined Variable [TT] (MPU1)tbcu2_parkbrakeisoldc = 0.0 | OK | 0 | Mlungisi Madela 529927 05.05.2025 | Train |
| 10029 | R | Read Defined Variable [TT] (MPU1)bcu1_parkbrakeisoldc = 0.0 | OK | 0 | Mlungisi Madela 529927 05.05.2025 | Train |
| 10030 | R | Read Defined Variable [TT] (MPU1)tbcu3_parkbrakeisoldc = 0.0 | OK | 0 | Mlungisi Madela 529927 05.05.2025 | Train |
| 10031 | R | Read Defined Variable [TT] (MPU1)tbcu4_parkbrakeisoldc = 0.0 | OK | 0 | Mlungisi Madela 529927 05.05.2025 | Train |
| 10032 | R | Read Defined Variable [TT] (BCU1)LI_PARK_BR_DC = 0.0 | OK | 0 | Mlungisi Madela 529927 05.05.2025 | Train |
| 10033 | R | Read Defined Variable [TT] (BCU2)LI_PARK_BR_DC = 0.0 | OK | 0 | Sizwe Sibanyoni 484647 19.05.2025 | Train |
| 10034 | R | Read Defined Variable [TT] (TBCU1)LI_PARK_BR_RELEASE = 0.0 | OK | 0 | Mlungisi Madela 529927 05.05.2025 | Train |
| 10035 | R | Read Defined Variable [TT] (TBCU2)LI_PARK_BR_DC = 0.0 | OK | 0 | Mlungisi Madela 529927 | Train |

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|-------|---|---|----|---|--|---|-------|
| | | | | | | 05.05.2025 | |
| 10036 | R | Read Defined Variable [TT] (TBCU3)LI_PARK_BR_DC = 0.0 | OK | 0 | | Mlungisi Madela 529927 05.05.2025 | Train |
| 10037 | R | Read Defined Variable [TT] (TBCU4)LI_PARK_BR_DC = 0.0 | OK | 0 | | Mlungisi Madela 529927 05.05.2025 | Train |
| 10038 | A | Release [TT] (MPU1)lo_air_tc1compenabler1 | OK | | | Sizwe Sibanyoni 484647 19.05.2025 | Train |
| 10039 | A | Release [TT] (MPU1)lo_air_tc1compenabler2 | OK | | | Sizwe Sibanyoni 484647 19.05.2025 | Train |
| 10040 | A | Release [TT] (MPU1)lo_air_tc2compenabler1 | OK | | | Sizwe Sibanyoni 484647 19.05.2025 | Train |
| 10041 | A | Release [TT] (MPU1)lo_air_tc2compenabler2 | OK | | | Sizwe Sibanyoni 484647 19.05.2025 | Train |
| 10042 | A | Press the automatic start button 20S1 | OK | | | Sizwe Sibanyoni 484647 19.05.2025 | Train |
| 10043 | R | Read Defined Variable [TT] (MPU1)lo_air_tc1compenabler1 = 1.0 | OK | 1 | | Mlungisi Madela 529927 05.05.2025 | Train |
| 10044 | R | Read Defined Variable [TT] (MPU1)lo_air_tc2compenabler1 = 1.0 | OK | 1 | | Mlungisi Madela 529927 05.05.2025 | Train |
| 10045 | R | After 10 minutes, the air in the main pipe is 10bar +/-0.2bar | OK | | | Mlungisi Madela 529927 05.05.2025 | Train |
| 10046 | A | Turn the switch 45S1 to release parking brake | OK | | | Sizwe Sibanyoni 484647 19.05.2025 | Train |
| 10047 | R | Lamp 45H2 is OFF on the alarm module | OK | | | Sizwe Sibanyoni 484647 19.05.2025 | Train |
| 10048 | I | Parking brake is released in all cars | OK | | | Sizwe Sibanyoni 484647 19.05.2025 | Train |
| 10049 | R | Lamp 45H2 is OFF on the alarm module | OK | | | Sizwe Sibanyoni 484647 19.05.2025 | Train |
| 10050 | R | On the Driver's event list, there is no message reporting parking brake release failure | OK | | | Sizwe Sibanyoni 484647 19.05.2025 | Train |
| 10051 | R | Read Defined Variable [TT] (MPU1)tbcu2_parkbrakerelease = 1.0 | OK | 1 | | Mlungisi Madela 529927 05.05.2025 | Train |
| 10052 | R | Read Defined Variable [TT] (MPU1)TBCU1_parkbrakerelease = 1.0 | OK | 1 | | Mlungisi Madela 529927 05.05.2025 | Train |
| 10053 | R | Read Defined Variable [TT] (MPU1)bcu1_parkbrakerelease = 1.0 | OK | 1 | | Mlungisi Madela 529927 05.05.2025 | Train |

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|-------|---|--|----|---|---|-------|
| 10054 | R | Read Defined Variable [TT] (MPU1)BCU2_ParkBrakeRelease = 1.0 | OK | 1 | Sizwe Sibanyoni 484647 19.05.2025 | Train |
| 10055 | R | Read Defined Variable [TT] (MPU1)tbcu3_parkbrakerelease = 1.0 | OK | 1 | Mlungisi Madela 529927 05.05.2025 | Train |
| 10056 | R | Read Defined Variable [TT] (MPU1)tbcu4_parkbrakerelease = 1.0 | OK | 1 | Mlungisi Madela 529927 05.05.2025 | Train |
| 10057 | R | Read Defined Variable [TT] (MPU1)tbcu1_li_pbrake_stat = 0.0 | OK | 0 | Mlungisi Madela 529927 05.05.2025 | Train |
| 10058 | R | Read Defined Variable [TT] (MPU1)tbcu2_li_pbrake_stat = 0.0 | OK | 0 | Mlungisi Madela 529927 05.05.2025 | Train |
| 10059 | R | Read Defined Variable [TT] (MPU1)tbcu3_li_pbrake_stat = 0.0 | OK | 0 | Mlungisi Madela 529927 05.05.2025 | Train |
| 10060 | R | Read Defined Variable [TT] (MPU1)tbcu4_li_pbrake_stat = 0.0 | OK | 0 | Mlungisi Madela 529927 05.05.2025 | Train |
| 10061 | R | Read Defined Variable [TT] (MPU1)BCU2_ParkBrakeSolDC = 0.0 | OK | 0 | Sizwe Sibanyoni 484647 19.05.2025 | Train |
| 10062 | R | Read Defined Variable [TT] (MPU1)TBCU1_parkbrakeisoldc = 0.0 | OK | 0 | Mlungisi Madela 529927 05.05.2025 | Train |
| 10063 | R | Read Defined Variable [TT] (MPU1)tbcu2_parkbrakeisoldc = 0.0 | OK | 0 | Mlungisi Madela 529927 05.05.2025 | Train |
| 10064 | R | Read Defined Variable [TT] (MPU1)bcu1_parkbrakeisoldc = 0.0 | OK | 0 | Mlungisi Madela 529927 05.05.2025 | Train |
| 10065 | R | Read Defined Variable [TT] (MPU1)tbcu3_parkbrakeisoldc = 0.0 | OK | 0 | Mlungisi Madela 529927 05.05.2025 | Train |
| 10066 | R | Read Defined Variable [TT] (MPU1)tbcu4_parkbrakeisoldc = 0.0 | OK | 0 | Mlungisi Madela 529927 05.05.2025 | Train |
| 10067 | R | Read Defined Variable [TT] (BCU1)LI_PARK_BR_DC = 0.0 | OK | 0 | Mlungisi Madela 529927 05.05.2025 | Train |
| 10068 | R | Read Defined Variable [TT] (BCU2)LI_PARK_BR_DC = 0.0 | OK | 0 | Sizwe Sibanyoni 484647 19.05.2025 | Train |
| 10069 | R | Read Defined Variable [TT] (TBCU1)LI_PARK_BR_DC = 0.0 | OK | 0 | Mlungisi Madela 529927 05.05.2025 | Train |
| 10070 | R | Read Defined Variable [TT] (TBCU2)LI_PARK_BR_DC = 0.0 | OK | 0 | Mlungisi Madela 529927 05.05.2025 | Train |
| 10071 | R | Read Defined Variable [TT] (TBCU3)LI_PARK_BR_DC = 0.0 | OK | 0 | Mlungisi Madela 529927 05.05.2025 | Train |
| 10072 | R | Read Defined Variable [TT] (TBCU4)LI_PARK_BR_DC = 0.0 | OK | 0 | Mlungisi Madela 529927 | Train |

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| | | | | | | 05.05.2025 | |
| 10073 | I | Remote parking brake application TC1 | | OK | | Mlungisi Madela 529927 05.05.2025 | Train |
| 10074 | A | Turn the switch 45S1 to parking brake release | | OK | | Mlungisi Madela 529927 05.05.2025 | Train |
| 10075 | R | Lamp 45H2 is OFF on the alarm module | | OK | | Mlungisi Madela 529927 05.05.2025 | Train |
| 10076 | R | Measure the pressure of the test point C1.11 on TC1, test point must be set to 6 bar Read Undefined Value : x () | | OK | 5.7 | Mlungisi Madela 529927 05.05.2025 | Train |
| 10077 | R | Measure the pressure of the test point C2.11 on M4, test point must be set to 6 bar Read Undefined Value : x () | | OK | 6.04 | Mlungisi Madela 529927 05.05.2025 | Train |
| 10078 | R | Measure the pressure of the test point C2.11 on M1, test point must be set to 6 bar Read Undefined Value : x () | | OK | 6.07 | Mlungisi Madela 529927 05.05.2025 | Train |
| 10079 | R | Measure the pressure of the test point C2.11 on M2, test point must be set to 6 bar Read Undefined Value : x () | | OK | 6.09 | Mlungisi Madela 529927 05.05.2025 | Train |
| 10080 | R | Measure the pressure of the test point C2.11 on M3, test point must be set to 6 bar Read Undefined Value : x () | | OK | 6.11 | Mlungisi Madela 529927 05.05.2025 | Train |
| 10081 | R | Measure the pressure of the test point C1.11 on TC2, test point must be set to 6 bar Read Undefined Value : x () | | OK | 6.02 | Sizwe Sibanyoni 484647 19.05.2025 | Train |
| 10082 | A | Turn the switch 45S1 to apply parking brake | | OK | | Sizwe Sibanyoni 484647 19.05.2025 | Train |
| 10083 | R | Lamp 45H2 is ON on the alarm module | | OK | | Sizwe Sibanyoni 484647 19.05.2025 | Train |
| 10084 | R | Measure the pressure of the test point C1.11 on TC1, test point must below 4.8 bar Result Max : x <= 5 (Bar) | | OK | 1.79 | Mlungisi Madela 529927 05.05.2025 | Train |
| 10085 | R | Measure the pressure of the test point C1.11 on M4, test point must below 4.8 bar Result Max : x <= 5 (Bar) | | OK | 2.06 | Mlungisi Madela 529927 05.05.2025 | Train |
| 10086 | R | Measure the pressure of the test point C2.11 on M1, test point must below 4.8 bar Result Max : x <= 5 (Bar) | | OK | 1.96 | Mlungisi Madela 529927 05.05.2025 | Train |
| 10087 | R | Measure the pressure of the test point C2.11 on M2, test point must below 4.8 bar Result Max : x <= 5 (Bar) | | OK | 2.14 | Mlungisi Madela 529927 05.05.2025 | Train |
| 10088 | R | Measure the pressure of the test point C2.11 on M3, test point must below 4.8 bar Result Max : x <= 5 (Bar) | | OK | 1.97 | Mlungisi Madela 529927 05.05.2025 | Train |
| 10089 | R | Measure the pressure of the test point C1.11 on TC2, test point must below 4.8 bar Result Max : x <= 5 (Bar) | | OK | 2.04 | Sizwe Sibanyoni 484647 19.05.2025 | Train |
| 10090 | R | Read Defined Variable [TT] (MPU1)tbcu2_parkbrakerelease = 0.0 | | OK | 0 | Mlungisi Madela 529927 05.05.2025 | Train |

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|-------|---|--|----|---|---|-------|
| 10091 | R | Read Defined Variable [TT] (MPU1)TBCU1_parkbrakerelease = 0.0 | OK | 0 | Mlungisi Madela 529927 05.05.2025 | Train |
| 10092 | R | Read Defined Variable [TT] (MPU1)bcu1_parkbrakerelease = 0.0 | OK | 0 | Mlungisi Madela 529927 05.05.2025 | Train |
| 10093 | R | Read Defined Variable [TT] (MPU1)BCU2_ParkBrakeRelease = 0.0 | OK | 0 | Sizwe Sibanyoni 484647 19.05.2025 | Train |
| 10094 | R | Read Defined Variable [TT] (MPU1)tbcu3_parkbrakerelease = 0.0 | OK | 0 | Mlungisi Madela 529927 05.05.2025 | Train |
| 10095 | R | Read Defined Variable [TT] (MPU1)tbcu4_parkbrakerelease = 0.0 | OK | 0 | Mlungisi Madela 529927 05.05.2025 | Train |
| 10096 | R | Read Defined Variable [TT] (MPU1)tbcu1_li_pbrake_stat = 1.0 | OK | 1 | Mlungisi Madela 529927 05.05.2025 | Train |
| 10097 | R | Read Defined Variable [TT] (MPU1)tbcu2_li_pbrake_stat = 1.0 | OK | 1 | Mlungisi Madela 529927 05.05.2025 | Train |
| 10098 | R | Read Defined Variable [TT] (MPU1)tbcu3_li_pbrake_stat = 1.0 | OK | 1 | Mlungisi Madela 529927 05.05.2025 | Train |
| 10099 | R | Read Defined Variable [TT] (MPU1)tbcu4_li_pbrake_stat = 1.0 | OK | 1 | Mlungisi Madela 529927 05.05.2025 | Train |
| 10100 | R | Read Defined Variable [TT] (MPU1)BCU2_ParkBrakeIsolDC = 0.0 | OK | 0 | Sizwe Sibanyoni 484647 19.05.2025 | Train |
| 10101 | R | Read Defined Variable [TT] (MPU1)TBCU1_parkbrakeisolDC = 0.0 | OK | 0 | Mlungisi Madela 529927 05.05.2025 | Train |
| 10102 | R | Read Defined Variable [TT] (MPU1)tbcu2_parkbrakeisolDC = 0.0 | OK | 0 | Mlungisi Madela 529927 05.05.2025 | Train |
| 10103 | R | Read Defined Variable [TT] (MPU1)bcu1_parkbrakeisolDC = 0.0 | OK | 0 | Mlungisi Madela 529927 05.05.2025 | Train |
| 10104 | R | Read Defined Variable [TT] (MPU1)tbcu3_parkbrakeisolDC = 0.0 | OK | 0 | Mlungisi Madela 529927 05.05.2025 | Train |
| 10105 | R | Read Defined Variable [TT] (MPU1)tbcu4_parkbrakeisolDC = 0.0 | OK | 0 | Mlungisi Madela 529927 05.05.2025 | Train |
| 10106 | R | Read Defined Variable [TT] (BCU1)LI_PARK_BR_DC = 0.0 | OK | 0 | Mlungisi Madela 529927 05.05.2025 | Train |
| 10107 | R | Read Defined Variable [TT] (BCU2)LI_PARK_BR_DC = 0.0 | OK | 0 | Sizwe Sibanyoni 484647 19.05.2025 | Train |
| 10108 | R | Read Defined Variable [TT] (TBCU1)LI_PARK_BR_DC = 0.0 | OK | 0 | Mlungisi Madela 529927 05.05.2025 | Train |
| 10109 | R | Read Defined Variable [TT] (TBCU2)LI_PARK_BR_DC = 0.0 | OK | 0 | Mlungisi Madela 529927 | Train |

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| | | | | | | 05.05.2025 | |
| 10110 | R | Read Defined Variable [TT] (TBCU3)LI_PARK_BR_DC = 0.0 | OK | 0 | Mlungisi Madela 529927 | 05.05.2025 | Train |
| 10111 | R | Read Defined Variable [TT] (TBCU4)LI_PARK_BR_DC = 0.0 | OK | 0 | Mlungisi Madela 529927 | 05.05.2025 | Train |
| 10112 | I | Parking brake manual isolation | OK | | Mlungisi Madela 529927 | 05.05.2025 | Train |
| 10113 | I | TC1 | OK | | Mlungisi Madela 529927 | 05.05.2025 | Train |
| 10114 | A | Put the switch C1.3.2 in ISOLATION position on TC1 | OK | | Mlungisi Madela 529927 | 05.05.2025 | Train |
| 10115 | R | Read Defined Variable [TT] (BCU1)LI_PARK_BR_RELEASE = 0.0 | OK | 0 | Mlungisi Madela 529927 | 05.05.2025 | Train |
| 10116 | R | Read Defined Variable [TT] (MPU1)li_pbk_tc1parkbrakeisol = 1.0 | OK | 1 | Mlungisi Madela 529927 | 05.05.2025 | Train |
| 10117 | R | Read Defined Variable [TT] (MPU1)bcu1_parkbrakeisoldc = 1.0 | OK | 1 | Mlungisi Madela 529927 | 05.05.2025 | Train |
| 10118 | R | Read Defined Variable [TT] (BCU1)LI_PARK_BR_DC = 1.0 | OK | 1 | Mlungisi Madela 529927 | 05.05.2025 | Train |
| 10119 | A | Put the switch C1.3.2 in NORMAL position on TC1 | OK | | Mlungisi Madela 529927 | 05.05.2025 | Train |
| 10120 | R | Read Defined Variable [TT] (BCU1)LI_PARK_BR_RELEASE = 0.0 | OK | 0 | Mlungisi Madela 529927 | 05.05.2025 | Train |
| 10121 | A | Pull the parking brake manual lever of both bogies(a click sound must be heard to indicate parking brake lever is working) | OK | | Mlungisi Madela 529927 | 05.05.2025 | Train |
| 10122 | R | Read Defined Variable [TT] (MPU1)li_pbk_tc1parkbrakeisol = 0.0 | OK | 0 | Mlungisi Madela 529927 | 05.05.2025 | Train |
| 10123 | R | Read Defined Variable [TT] (MPU1)bcu1_parkbrakeisoldc = 0.0 | OK | 0 | Mlungisi Madela 529927 | 05.05.2025 | Train |
| 10124 | R | Read Defined Variable [TT] (BCU1)LI_PARK_BR_DC = 0.0 | OK | 0 | Mlungisi Madela 529927 | 05.05.2025 | Train |
| 10125 | I | M4 | OK | | Mlungisi Madela 529927 | 05.05.2025 | Train |
| 10126 | A | Put the switch C2.3.2 for in ISOLATION position | OK | | Mlungisi Madela 529927 | 05.05.2025 | Train |
| 10127 | R | Read Defined Variable [TT] (TBCU4)LI_PARK_BR_RELEASE = 0.0 | OK | 0 | Mlungisi Madela 529927 | 05.05.2025 | Train |

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|-------|---|--|----|---|---|-------|
| 10128 | R | Read Defined Variable [TT] (MPU1)li_pbk_m4parkbrakeisol = 1.0 | OK | 1 | Mlungisi Madela 529927 05.05.2025 | Train |
| 10129 | R | Read Defined Variable [TT] (MPU1)tbcu4_parkbrakeisoldc = 1.0 | OK | 1 | Mlungisi Madela 529927 05.05.2025 | Train |
| 10130 | R | Read Defined Variable [TT] (TBCU4)LI_PARK_BR_DC = 1.0 | OK | 1 | Mlungisi Madela 529927 05.05.2025 | Train |
| 10131 | A | Put the switch C2.3.2 in NORMAL position on M4 | OK | | Mlungisi Madela 529927 05.05.2025 | Train |
| 10132 | R | Read Defined Variable [TT] (TBCU4)LI_PARK_BR_RELEASE = 0.0 | OK | 0 | Mlungisi Madela 529927 05.05.2025 | Train |
| 10133 | R | Verify on the DDU that parking brake is still released | OK | | Mlungisi Madela 529927 05.05.2025 | 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 | | Mlungisi Madela 529927 05.05.2025 | Train |
| 10135 | R | Read Defined Variable [TT] (MPU1)li_pbk_m4parkbrakeisol = 0.0 | OK | 0 | Mlungisi Madela 529927 05.05.2025 | Train |
| 10136 | R | Read Defined Variable [TT] (MPU1)tbcu4_parkbrakeisoldc = 0.0 | OK | 0 | Mlungisi Madela 529927 05.05.2025 | Train |
| 10137 | R | Read Defined Variable [TT] (TBCU4)LI_PARK_BR_DC = 0.0 | OK | 0 | Mlungisi Madela 529927 05.05.2025 | Train |
| 10138 | I | M1 | OK | | Mlungisi Madela 529927 05.05.2025 | Train |
| 10139 | A | Put the switch C2.3.2 for in ISOLATION position | OK | | Mlungisi Madela 529927 05.05.2025 | Train |
| 10140 | R | Read Defined Variable [TT] (MPU1)li_pbk_m1parkbrakeisol = 1.0 | OK | 1 | Mlungisi Madela 529927 05.05.2025 | Train |
| 10141 | R | Read Defined Variable [TT] (MPU1)TBCU1_parkbrakeisoldc = 1.0 | OK | 1 | Mlungisi Madela 529927 05.05.2025 | Train |
| 10142 | R | Read Defined Variable [TT] (TBCU1)LI_PARK_BR_DC = 1.0 | OK | 1 | Mlungisi Madela 529927 05.05.2025 | Train |
| 10143 | A | Put the switch C2.3.2 in NORMAL position on M1 | OK | | Mlungisi Madela 529927 05.05.2025 | 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 | | Mlungisi Madela 529927 05.05.2025 | Train |
| 10145 | R | Read Defined Variable [TT] (MPU1)li_pbk_m1parkbrakeisol = 0.0 | OK | 0 | Mlungisi Madela 529927 05.05.2025 | Train |
| 10146 | R | Read Defined Variable [TT] (MPU1)TBCU1_parkbrakeisoldc = 0.0 | OK | 0 | Mlungisi Madela 529927 | Train |

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| | | | | | | 05.05.2025 | |
| 10147 | R | Read Defined Variable [TT] (TBCU1)LI_PARK_BR_DC = 0.0 | OK | 0 | | Mlungisi Madela 529927 05.05.2025 | Train |
| 10148 | I | M2 | OK | | | Mlungisi Madela 529927 05.05.2025 | Train |
| 10149 | A | Put the switch C2.3.2 in ISOLATION position on M2 | OK | | | Mlungisi Madela 529927 05.05.2025 | Train |
| 10150 | R | Read Defined Variable [TT] (MPU1)li_pbk_m2parkbrakeisol = 1.0 | OK | 1 | | Mlungisi Madela 529927 05.05.2025 | Train |
| 10151 | R | Read Defined Variable [TT] (MPU1)tbcu2_parkbrakeisoldc = 1.0 | OK | 1 | | Mlungisi Madela 529927 05.05.2025 | Train |
| 10152 | R | Read Defined Variable [TT] (TBCU2)LI_PARK_BR_DC = 1.0 | OK | 1 | | Mlungisi Madela 529927 05.05.2025 | Train |
| 10153 | A | Put the cock C2.3.2 for in NORMAL position on M2 | OK | | | Mlungisi Madela 529927 05.05.2025 | 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 | | | Mlungisi Madela 529927 05.05.2025 | Train |
| 10155 | R | Read Defined Variable [TT] (MPU1)li_pbk_m2parkbrakeisol = 0.0 | OK | 0 | | Mlungisi Madela 529927 05.05.2025 | Train |
| 10156 | R | Read Defined Variable [TT] (MPU1)tbcu2_parkbrakeisoldc = 0.0 | OK | 0 | | Mlungisi Madela 529927 05.05.2025 | Train |
| 10157 | R | Read Defined Variable [TT] (TBCU2)LI_PARK_BR_DC = 0.0 | OK | 0 | | Mlungisi Madela 529927 05.05.2025 | Train |
| 10158 | I | M3 | OK | | | Mlungisi Madela 529927 05.05.2025 | Train |
| 10159 | A | Put the switch C2.3.2 in ISOLATION position on M3 | OK | | | Mlungisi Madela 529927 05.05.2025 | Train |
| 10160 | R | Read Defined Variable [TT] (MPU1)li_pbk_m3parkbrakeisol = 1.0 | OK | 1 | | Mlungisi Madela 529927 05.05.2025 | Train |
| 10161 | R | Read Defined Variable [TT] (MPU1)tbcu3_parkbrakeisoldc = 1.0 | OK | 1 | | Mlungisi Madela 529927 05.05.2025 | Train |
| 10162 | R | Read Defined Variable [TT] (TBCU3)LI_PARK_BR_DC = 1.0 | OK | 1 | | Mlungisi Madela 529927 05.05.2025 | Train |
| 10163 | A | Put the cock C2.3.2 for in NORMAL position on M3 | OK | | | Mlungisi Madela 529927 05.05.2025 | Train |
| 10164 | A | Pull the parking brake manual lever of both bogies(a click sound must be heard to indicate parking brake lever is working | OK | | | Mlungisi Madela 529927 05.05.2025 | Train |

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|-------|---|---|----|---|---|-------|
| 10165 | R | Read Defined Variable [TT] (MPU1)li_pbk_m3parkbrakeisol = 0.0 | OK | 0 | Mlungisi Madela 529927 05.05.2025 | Train |
| 10166 | R | Read Defined Variable [TT] (MPU1)tbcu3_parkbrakeisoldc = 0.0 | OK | 0 | Mlungisi Madela 529927 05.05.2025 | Train |
| 10167 | I | TC2 | OK | | Mlungisi Madela 529927 05.05.2025 | Train |
| 10168 | A | Put the switch C1.3.2 in ISOLATION position on TC2 | OK | | Sizwe Sibanyoni 484647 19.05.2025 | Train |
| 10169 | R | Read Defined Variable [TT] (TBCU3)LI_PARK_BR_DC = 0.0 | OK | 0 | Mlungisi Madela 529927 05.05.2025 | Train |
| 10170 | R | Read Defined Variable [TT] (MPU1)BCU2_ParkBrakelsolDC = 1.0 | OK | 1 | Mlungisi Madela 529927 05.05.2025 | Train |
| 10171 | R | Read Defined Variable [TT] (MPU1)li_pbk_tc2parkbrakeisol = 1.0 | OK | 1 | Mlungisi Madela 529927 05.05.2025 | Train |
| 10172 | R | Read Defined Variable [TT] (BCU2)LI_PARK_BR_DC = 1.0 | OK | 1 | Sizwe Sibanyoni 484647 19.05.2025 | Train |
| 10173 | A | Put the switch C1.3.2 in NORMAL position on TC2 | OK | | Mlungisi Madela 529927 05.05.2025 | Train |
| 10174 | R | Read Defined Variable [TT] (BCU2)LI_PARK_BR_RELEASE = 0.0 | OK | 0 | Mlungisi Madela 529927 05.05.2025 | 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 | | Mlungisi Madela 529927 05.05.2025 | Train |
| 10176 | R | Read Defined Variable [TT] (MPU1)BCU2_ParkBrakelsolDC = 0.0 | OK | 0 | Mlungisi Madela 529927 05.05.2025 | Train |
| 10177 | R | Read Defined Variable [TT] (MPU1)li_pbk_tc2parkbrakeisol = 0.0 | OK | 0 | Mlungisi Madela 529927 05.05.2025 | Train |
| 10178 | I | Remote parking brake application TC2 | OK | | Mlungisi Madela 529927 05.05.2025 | Train |
| 10179 | R | Read Defined Variable [TT] (BCU2)LI_PARK_BR_DC = 0.0 | OK | 0 | Mlungisi Madela 529927 05.05.2025 | Train |
| 10180 | A | Switch active cab to TC2 | OK | | Mlungisi Madela 529927 05.05.2025 | Train |
| 10181 | A | Turn the switch 45S1 to apply parking brake | OK | | Mlungisi Madela 529927 05.05.2025 | Train |
| 10182 | R | Lamp 45H2 is ON on the alarm module | OK | | Mlungisi Madela 529927 05.05.2025 | Train |

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|-------|---|--|----|------|---|-------|
| 10183 | R | Measure the pressure of the test point C1.11 on TC1, test point must be set to 4.8 bar Read Undefined Value : x (Bar) | OK | 1.79 | Mlungisi Madela 529927 05.05.2025 | Train |
| 10184 | R | Measure the pressure of the test point C2.11 on M4, test point must be set to 4.8 bar Read Undefined Value : x (Bar) | OK | 2.06 | Mlungisi Madela 529927 05.05.2025 | Train |
| 10185 | R | Measure the pressure of the test point C2.11 on M1, test point must be set to 4.8 bar Read Undefined Value : x (Bar) | OK | 1.96 | Mlungisi Madela 529927 05.05.2025 | Train |
| 10186 | R | Measure the pressure of the test point C2.11 on M2, test point must be set to 4.8 bar Read Undefined Value : x (Bar) | OK | 2.14 | Mlungisi Madela 529927 05.05.2025 | Train |
| 10187 | R | Measure the pressure of the test point C2.11 on M3, test point must be set to 4.8 bar Read Undefined Value : x (Bar) | OK | 1.97 | Mlungisi Madela 529927 05.05.2025 | Train |
| 10188 | R | Measure the pressure of the test point C1.11 on TC2, test point must be set to 4.8 bar Read Undefined Value : x (Bar) | OK | 1.59 | Mlungisi Madela 529927 05.05.2025 | Train |
| 10189 | R | Read Defined Variable [TT] (MPU1)tbcu2_parkbrakerelease = 0.0 | OK | 0 | Mlungisi Madela 529927 05.05.2025 | Train |
| 10190 | R | Read Defined Variable [TT] (MPU1)TBCU1_parkbrakerelease = 0.0 | OK | 0 | Mlungisi Madela 529927 05.05.2025 | Train |
| 10191 | R | Read Defined Variable [TT] (MPU1)bcu1_parkbrakerelease = 0.0 | OK | 0 | Mlungisi Madela 529927 05.05.2025 | Train |
| 10192 | R | Read Defined Variable [TT] (MPU1)BCU2_ParkBrakeRelease = 0.0 | OK | 0 | Mlungisi Madela 529927 05.05.2025 | Train |
| 10193 | R | Read Defined Variable [TT] (MPU1)tbcu3_parkbrakerelease = 0.0 | OK | 0 | Mlungisi Madela 529927 05.05.2025 | Train |
| 10194 | R | Read Defined Variable [TT] (MPU1)tbcu4_parkbrakerelease = 0.0 | OK | 0 | Mlungisi Madela 529927 05.05.2025 | Train |
| 10195 | R | Read Defined Variable [TT] (MPU1)tbcu1_li_pbrake_stat = 1.0 | OK | 1 | Mlungisi Madela 529927 05.05.2025 | Train |
| 10196 | R | Read Defined Variable [TT] (MPU1)tbcu2_li_pbrake_stat = 1.0 | OK | 1 | Mlungisi Madela 529927 05.05.2025 | Train |
| 10197 | R | Read Defined Variable [TT] (MPU1)tbcu3_li_pbrake_stat = 1.0 | OK | 1 | Mlungisi Madela 529927 05.05.2025 | Train |
| 10198 | R | Read Defined Variable [TT] (MPU1)tbcu4_li_pbrake_stat = 1.0 | OK | 1 | Mlungisi Madela 529927 05.05.2025 | Train |
| 10199 | R | Read Defined Variable [TT] (MPU1)BCU2_ParkBrakelsoldc = 0.0 | OK | 0 | Mlungisi Madela 529927 05.05.2025 | Train |
| 10200 | R | Read Defined Variable [TT] (MPU1)TBCU1_parkbrakeisoldc = 0.0 | OK | 0 | Mlungisi Madela 529927 05.05.2025 | Train |
| 10201 | R | Read Defined Variable [TT] (MPU1)tbcu2_parkbrakeisoldc = 0.0 | OK | 0 | Mlungisi Madela 529927 | Train |

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| | | | | | | 05.05.2025 | |
| 10202 | R | Read Defined Variable [TT] (MPU1)bcu1__parkbrakesoldc = 0.0 | | OK | 0 | Mlungisi Madela 529927 05.05.2025 | Train |
| 10203 | R | Read Defined Variable [TT] (MPU1)tbcu3__parkbrakesoldc = 0.0 | | OK | 0 | Mlungisi Madela 529927 05.05.2025 | Train |
| 10204 | R | Read Defined Variable [TT] (MPU1)tbcu4__parkbrakesoldc = 0.0 | | OK | 0 | Mlungisi Madela 529927 05.05.2025 | Train |
| 10205 | A | Turn the switch 45S1 to release parking brake | | OK | | Mlungisi Madela 529927 05.05.2025 | Train |
| 10206 | R | Lamp 45H2 is OFF on the alarm module | | OK | | Mlungisi Madela 529927 05.05.2025 | Train |
| 10207 | I | Parking brake is released in all cars | | OK | | Mlungisi Madela 529927 05.05.2025 | Train |
| 10208 | R | On the Driver's event list, there is no message reporting parking brake release failure | | OK | | Mlungisi Madela 529927 05.05.2025 | Train |
| 10209 | R | Read Defined Variable [TT] (MPU1)tbcu2__parkbrakerelease = 1.0 | | OK | 1 | Mlungisi Madela 529927 05.05.2025 | Train |
| 10210 | R | Read Defined Variable [TT] (MPU1)TBCU1__parkbrakerelease = 1.0 | | OK | 1 | Mlungisi Madela 529927 05.05.2025 | Train |
| 10211 | R | Read Defined Variable [TT] (MPU1)bcu1__parkbrakerelease = 1.0 | | OK | 1 | Mlungisi Madela 529927 05.05.2025 | Train |
| 10212 | R | Read Defined Variable [TT] (MPU1)BCU2_ParkBrakeRelease = 1.0 | | OK | 1 | Mlungisi Madela 529927 05.05.2025 | Train |
| 10213 | R | Read Defined Variable [TT] (MPU1)tbcu3__parkbrakerelease = 1.0 | | OK | 1 | Mlungisi Madela 529927 05.05.2025 | Train |
| 10214 | R | Read Defined Variable [TT] (MPU1)tbcu4__parkbrakerelease = 1.0 | | OK | 1 | Mlungisi Madela 529927 05.05.2025 | Train |
| 10215 | R | Read Defined Variable [TT] (MPU1)tbcu1_li_pbrake_stat = 0.0 | | OK | 0 | Mlungisi Madela 529927 05.05.2025 | Train |
| 10216 | R | Read Defined Variable [TT] (MPU1)tbcu2_li_pbrake_stat = 0.0 | | OK | 0 | Mlungisi Madela 529927 05.05.2025 | Train |
| 10217 | R | Read Defined Variable [TT] (MPU1)tbcu3_li_pbrake_stat = 0.0 | | OK | 0 | Mlungisi Madela 529927 05.05.2025 | Train |
| 10218 | R | Read Defined Variable [TT] (MPU1)tbcu4_li_pbrake_stat = 0.0 | | OK | 0 | Mlungisi Madela 529927 05.05.2025 | Train |
| 10219 | R | Read Defined Variable [TT] (MPU1)BCU2_ParkBrakelsolDC = 0.0 | | OK | 0 | Mlungisi Madela 529927 05.05.2025 | Train |

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|-------|---|--|--|----|---|---|-------|
| 10220 | R | Read Defined Variable [TT] (MPU1)TBCU1__parkbrakeisoldc = 0.0 | | OK | 0 | Mlungisi Madela 529927 05.05.2025 | Train |
| 10221 | R | Read Defined Variable [TT] (MPU1)tbcu2__parkbrakeisoldc = 0.0 | | OK | 0 | Mlungisi Madela 529927 05.05.2025 | Train |
| 10222 | R | Read Defined Variable [TT] (MPU1)bcu1__parkbrakeisoldc = 0.0 | | OK | 0 | Mlungisi Madela 529927 05.05.2025 | Train |
| 10223 | R | Read Defined Variable [TT] (MPU1)tbcu3__parkbrakeisoldc = 0.0 | | OK | 0 | Mlungisi Madela 529927 05.05.2025 | Train |
| 10224 | R | Read Defined Variable [TT] (MPU1)tbcu4__parkbrakeisoldc = 0.0 | | OK | 0 | Mlungisi Madela 529927 05.05.2025 | Train |
| 10225 | I | End of Test | | OK | | Mlungisi Madela 529927 05.05.2025 | Train |



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| Serial Tests Report TS280 – TFS RTR Train Functional Static Test Report | Document Reference GIB0000008079 Version: A0 | Emission date 16/05/2025 |
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Section 15 – Service Brake

15.1 Instructions list

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 | | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10002 | I | Initial Conditions | | OK | | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10003 | I | Emergency brake button 44S1 is released in both TC1 and TC2 | | OK | | Sizwe Sibanyoni 484647 19.05.2025 | Train |
| 10004 | I | Pressure on the main pipe should be higher than 7 bar | | OK | | Sizwe Sibanyoni 484647 19.05.2025 | Train |
| 10005 | I | The ERTMS switch 62S1 is in ISOLATION position in both TC1 and TC2 | | OK | | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10006 | I | The Deadman switch 60S1 is in OVERRIDE position in both TC1 and TC2 | | OK | | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10007 | I | Driving mode should be selected as COUPLE/WASH in both TC1 and TC2 | | OK | | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10008 | I | Train has sufficient scotch blocks to prevent it from moving | | OK | | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10009 | I | Ensure that the propulsion system is inhibited to prevent movement when the master controller is in TRACTION position | | OK | | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10010 | I | Start of Test | | OK | | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10011 | I | Brake application / release | | OK | | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10012 | A | Activate the cab on TC1 | | OK | | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10013 | I | To begin test, the EPC life signal must be live | | OK | | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10014 | R | Read Defined Variable [TT] (BCU1)LI_REGULATOR_STAT = 1.0 | | OK | 1 | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10015 | R | Read Defined Variable [TT] (BCU2)LI_REGULATOR_STAT = 1.0 | | OK | 1 | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10016 | R | Read Defined Variable [TT] (TBCU1)LI_REGULATOR_STAT = 1.0 | | OK | 1 | Sinazo Mkhwa 529940 05.05.2025 | Train |

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|-------|---|--|----|------|--------------------------------------|-------|
| 10017 | R | Read Defined Variable [TT] (TBCU2)LI_REGULATOR_STAT = 1.0 | OK | 1 | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10018 | R | Read Defined Variable [TT] (TBCU3)LI_REGULATOR_STAT = 1.0 | OK | 1 | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10019 | R | Read Defined Variable [TT] (TBCU4)LI_REGULATOR_STAT = 1.0 | OK | 1 | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10020 | A | Put the direction selector switch in FORWARD position | OK | | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10021 | R | Emergency brake is released | OK | | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10022 | R | LED 40H1 is OFF on the alarm module | OK | | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10023 | A | Move slowly the master controller from OFF position to maximum brake position and check the following items - Variables on brake software as demanded below. | OK | | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10024 | I | The pressure measured below can have the values changed after the brake adjustment during performance test. The brake pressure should increase with respect to the master controller position and there should be no sudden jumps in the pressure when observing the PWM signal on the DDU maintenance screen | OK | | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10025 | I | All the brake discs apply pressure on the wheels, it is necessary to go bogie by bogie to physically check if the brake pads are in contact with the wheel | OK | | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10026 | R | SBTP TC1Result Min/Max : 1.27<= x <= 1.67 (Bar) | OK | 1.38 | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10027 | R | Brake discs apply pressure on car TC1 | OK | | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10028 | R | SBTP M4Result Min/Max : 1.29<= x <= 1.69 (Bar) | OK | 1.41 | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10029 | R | Brake discs apply pressure on car M4 | OK | | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10030 | R | SBTP M1Result Min/Max : 1.29<= x <= 1.69 (Bar) | OK | 1.36 | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10031 | R | Brake discs apply pressure on car M1 | OK | | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10032 | R | SBTP M2Result Min/Max : 1.29<= x <= 1.69 (Bar) | OK | 1.38 | Sinazo Mkhwa 529940 05.05.2025 | Train |

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|-------|---|--|--|----|-------|--------------------------------------|-------|
| 10033 | R | Brake discs apply pressure on car M2 | | OK | | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10034 | R | SBTP M3Result Min/Max : 1.29<= x <= 1.69 (Bar) | | OK | 1.4 | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10035 | R | Brake discs apply pressure on car M3 | | OK | | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10036 | R | SBTP TC2Result Min/Max : 1.27<= x <= 1.67 (Bar) | | OK | 1.4 | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10037 | R | Brake discs apply pressure on car TC2 | | OK | | Sinazo Mkhwa 529940 05.05.2025 | 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 | | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10039 | R | Read Min/Max [TT] (MPU1)bcu1_bcuppipepress : 127<= x <= 167 | | OK | 74.9 | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10040 | R | Read Min/Max [TT] (MPU1)BCU2_BcuBPipePress : 127<= x <= 167 | | OK | 70.95 | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10041 | R | Read Min/Max [TT] (MPU1)TBCU1_bcuppipepress : 129<= x <= 169 | | OK | 76.87 | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10042 | R | Read Min/Max [TT] (MPU1)tbcu2_bcuppipepress : 129<= x <= 169 | | OK | 71.44 | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10043 | R | Read Min/Max [TT] (MPU1)tbcu3_bcuppipepress : 129<= x <= 169 | | OK | 75.89 | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10044 | R | Read Min/Max [TT] (MPU1)tbcu4_bcuppipepress : 129<= x <= 169 | | OK | 72.92 | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10045 | R | Read Defined Variable [TT] (MPU1)TBCU1_brakenotapp = 0.0 | | OK | 0 | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10046 | R | Read Defined Variable [TT] (MPU1)tbcu2_brakenotapp = 0.0 | | OK | 0 | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10047 | R | Read Defined Variable [TT] (MPU1)tbcu3_brakenotapp = 0.0 | | OK | 0 | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10048 | R | Read Defined Variable [TT] (MPU1)tbcu4_brakenotapp = 0.0 | | OK | 0 | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10049 | R | Read Defined Variable [TT] (MPU1)BCU2_BrakeNotApp = 0.0 | | OK | 0 | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10050 | R | Read Defined Variable [TT] (MPU1)bcu1_brakenotapp = 0.0 | | OK | 0 | Sinazo Mkhwa 529940 05.05.2025 | Train |

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|-------|---|--|----|---|--------------------------------------|-------|
| 10051 | R | Read Defined Variable [TT] (BCU1)LI_BRAKE_NOT_APPLIED = 0.0 | OK | 0 | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10052 | R | Read Defined Variable [TT] (BCU2)LI_BRAKE_NOT_APPLIED = 0.0 | OK | 0 | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10053 | R | Check the pressure on the brake pressure gauge on TC1Read Undefined Value : x () | OK | 0 | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10054 | R | Check the pressure on the brake pressure gauge on TC2Read Undefined Value : x () | OK | 0 | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10055 | I | The pressure showed on pressure gauge (driver desk) is the same as the measured on the test point BCTP of the car TC. | OK | | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10056 | A | Move slowly the master controller from 100% BRAKE position to OFF position. Observe the PWM behaviour of the brake cylinder pressure. it may be necessary to repeat the test until you are satisfied | OK | | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10057 | I | There must not have sudden release of pressure while the master controller is slowly moved to OFF position. | OK | | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10058 | R | Pressure on BCTP (Car TC) = 0bar (+/- 0,2bar)Read Undefined Value : x () | OK | 0 | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10059 | R | Pressure on SBTP (all M cars) = 0bar (+/- 0,2bar)Read Undefined Value : x () | OK | 0 | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10060 | R | Pressure on BCTP (all M cars) = 0bar (+/- 0,2bar)Read Undefined Value : x () | OK | 0 | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10061 | R | Pressure on SBTP all TC cars) = 0bar (+/- 0,2bar)Read Undefined Value : x () | OK | 0 | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10062 | I | It is necessary to go bogie by bogie to verify that brake pads are not in contact with the wheels | OK | | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10063 | R | Brake discs do not apply pressure on car TC1 | OK | | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10064 | R | Brake discs do not apply pressure on car M4 | OK | | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10065 | R | Brake discs do not apply pressure on car M1 | OK | | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10066 | R | Brake discs do not apply pressure on car M2 | OK | | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10067 | R | Brake discs do not apply pressure on car M3 | OK | | Sinazo Mkhwa 529940 05.05.2025 | Train |

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|-------|---|---|--|----|---|--------------------------------------|-------|
| 10068 | R | Brake discs do not apply pressure on car TC2 | | OK | | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10069 | I | Holding Brake | | OK | | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10070 | A | Put the master controller on 100% BRAKE position | | OK | | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10071 | R | Read Defined Variable [TT] (MPU1)TBCU1_brakenotapp = 0.0 | | OK | 0 | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10072 | R | Read Defined Variable [TT] (MPU1)tbcu2_brakenotapp = 0.0 | | OK | 0 | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10073 | R | Read Defined Variable [TT] (MPU1)tbcu3_brakenotapp = 0.0 | | OK | 0 | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10074 | R | Read Defined Variable [TT] (MPU1)tbcu4_brakenotapp = 0.0 | | OK | 0 | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10075 | R | Read Defined Variable [TT] (MPU1)BCU2_BrakeNotApp = 0.0 | | OK | 0 | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10076 | R | Read Defined Variable [TT] (MPU1)bcu1_brakenotapp = 0.0 | | OK | 0 | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10077 | R | Read Defined Variable [TT] (MPU1)bcu1_holdbrake = 1.0 | | OK | 1 | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10078 | R | Read Defined Variable [TT] (MPU1)BCU2_HoldBrake = 1.0 | | OK | 1 | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10079 | R | Read Defined Variable [TT] (MPU1)TBCU1_holdbrake = 1.0 | | OK | 1 | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10080 | R | Read Defined Variable [TT] (MPU1)tbcu2_holdbrake = 1.0 | | OK | 1 | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10081 | R | Read Defined Variable [TT] (MPU1)tbcu3_holdbrake = 1.0 | | OK | 1 | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10082 | R | Read Defined Variable [TT] (MPU1)tbcu4_holdbrake = 1.0 | | OK | 1 | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10083 | A | Put the master controller on OFF position | | OK | | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10084 | R | Read Defined Variable [TT] (MPU1)TBCU1_brakenotapp = 1.0 | | OK | 1 | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10085 | R | Read Defined Variable [TT] (MPU1)tbcu2_brakenotapp = 1.0 | | OK | 1 | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10086 | R | Read Defined Variable [TT] (MPU1)tbcu3_brakenotapp = 1.0 | | OK | 1 | Sinazo Mkhwa 529940 | Train |

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| | | | | | | 05.05.2025 | |
| 10087 | R | Read Defined Variable [TT] (MPU1)tbcu4_brakenotapp = 1.0 | | OK | 1 | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10088 | R | Read Defined Variable [TT] (MPU1)BCU2_BrakeNotApp = 1.0 | | OK | 1 | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10089 | R | Read Defined Variable [TT] (MPU1)bcu1_brakenotapp = 1.0 | | OK | 1 | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10090 | R | Read Defined Variable [TT] (MPU1)bcu1_holdbrake = 0.0 | | OK | 0 | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10091 | R | Read Defined Variable [TT] (MPU1)BCU2_HoldBrake = 0.0 | | OK | 0 | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10092 | R | Read Defined Variable [TT] (MPU1)TBCU1_holdbrake = 0.0 | | OK | 0 | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10093 | R | Read Defined Variable [TT] (MPU1)tbcu2_holdbrake = 0.0 | | OK | 0 | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10094 | R | Read Defined Variable [TT] (MPU1)tbcu3_holdbrake = 0.0 | | OK | 0 | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10095 | R | Read Defined Variable [TT] (MPU1)tbcu4_holdbrake = 0.0 | | OK | 0 | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10096 | A | Put the driving mode switch 30S1 to EFFORT position | | OK | | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10097 | A | Put the master controller on 100% BRAKE position | | OK | | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10098 | R | Read Defined Variable [TT] (MPU1)TBCU1_brakenotapp = 0.0 | | OK | 0 | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10099 | R | Read Defined Variable [TT] (MPU1)tbcu2_brakenotapp = 0.0 | | OK | 0 | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10100 | R | Read Defined Variable [TT] (MPU1)tbcu3_brakenotapp = 0.0 | | OK | 0 | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10101 | R | Read Defined Variable [TT] (MPU1)tbcu4_brakenotapp = 0.0 | | OK | 0 | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10102 | R | Read Defined Variable [TT] (MPU1)BCU2_BrakeNotApp = 0.0 | | OK | 0 | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10103 | R | Read Defined Variable [TT] (MPU1)bcu1_brakenotapp = 0.0 | | OK | 0 | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10104 | R | Read Defined Variable [TT] (MPU1)bcu1_holdbrake = 1.0 | | OK | 1 | Sinazo Mkhwa 529940 05.05.2025 | Train |

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|-------|---|---|----|---|--------------------------------------|-------|
| 10105 | R | Read Defined Variable [TT] (MPU1)BCU2_HoldBrake = 1.0 | OK | 1 | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10106 | R | Read Defined Variable [TT] (MPU1)TBCU1_holdbrake = 1.0 | OK | 1 | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10107 | R | Read Defined Variable [TT] (MPU1)tbcu2_holdbrake = 1.0 | OK | 1 | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10108 | R | Read Defined Variable [TT] (MPU1)tbcu3_holdbrake = 1.0 | OK | 1 | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10109 | R | Read Defined Variable [TT] (MPU1)tbcu4_holdbrake = 1.0 | OK | 1 | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10110 | A | Position the master controller on OFF position | OK | | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10111 | R | Read Defined Variable [TT] (MPU1)TBCU1_brakenotapp = 0.0 | OK | 0 | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10112 | R | Read Defined Variable [TT] (MPU1)tbcu2_brakenotapp = 0.0 | OK | 0 | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10113 | R | Read Defined Variable [TT] (MPU1)tbcu3_brakenotapp = 0.0 | OK | 0 | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10114 | R | Read Defined Variable [TT] (MPU1)tbcu4_brakenotapp = 0.0 | OK | 0 | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10115 | R | Read Defined Variable [TT] (MPU1)BCU2_BrakeNotApp = 0.0 | OK | 0 | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10116 | R | Read Defined Variable [TT] (MPU1)bcu1_brakenotapp = 0.0 | OK | 0 | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10117 | R | Read Defined Variable [TT] (MPU1)bcu1_holdbrake = 1.0 | OK | 1 | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10118 | R | Read Defined Variable [TT] (MPU1)BCU2_HoldBrake = 1.0 | OK | 1 | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10119 | R | Read Defined Variable [TT] (MPU1)TBCU1_holdbrake = 1.0 | OK | 1 | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10120 | R | Read Defined Variable [TT] (MPU1)tbcu2_holdbrake = 1.0 | OK | 1 | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10121 | R | Read Defined Variable [TT] (MPU1)tbcu3_holdbrake = 1.0 | OK | 1 | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10122 | R | Read Defined Variable [TT] (MPU1)tbcu4_holdbrake = 1.0 | OK | 1 | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10123 | A | Position the driving mode switch 30S1 to DEPOT position | OK | | Sinazo Mkhwa 529940 | Train |

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| | | | | | | 05.05.2025 | |
| 10124 | A | Position the master controller on 100% BRAKE position | OK | | | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10125 | R | Read Defined Variable [TT] (MPU1)TBCU1_brakenotapp = 0.0 | OK | 0 | | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10126 | R | Read Defined Variable [TT] (MPU1)tbcu2_brakenotapp = 0.0 | OK | 0 | | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10127 | R | Read Defined Variable [TT] (MPU1)tbcu3_brakenotapp = 0.0 | OK | 0 | | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10128 | R | Read Defined Variable [TT] (MPU1)tbcu4_brakenotapp = 0.0 | OK | 0 | | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10129 | R | Read Defined Variable [TT] (MPU1)BCU2_BrakeNotApp = 0.0 | OK | 0 | | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10130 | R | Read Defined Variable [TT] (MPU1)bcu1_brakenotapp = 0.0 | OK | 0 | | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10131 | R | Read Defined Variable [TT] (MPU1)bcu1_holdbrake = 1.0 | OK | 1 | | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10132 | R | Read Defined Variable [TT] (MPU1)BCU2_HoldBrake = 1.0 | OK | 1 | | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10133 | R | Read Defined Variable [TT] (MPU1)TBCU1_holdbrake = 1.0 | OK | 1 | | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10134 | R | Read Defined Variable [TT] (MPU1)tbcu2_holdbrake = 1.0 | OK | 1 | | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10135 | R | Read Defined Variable [TT] (MPU1)tbcu3_holdbrake = 1.0 | OK | 1 | | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10136 | R | Read Defined Variable [TT] (MPU1)tbcu4_holdbrake = 1.0 | OK | 1 | | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10137 | A | Position the master controller on OFF position | OK | | | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10138 | R | Read Defined Variable [TT] (MPU1)BCU2_BrakeNotApp = 0.0 | OK | 0 | | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10139 | R | Read Defined Variable [TT] (MPU1)bcu1_holdbrake = 1.0 | OK | 1 | | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10140 | R | Read Defined Variable [TT] (MPU1)BCU2_HoldBrake = 1.0 | OK | 1 | | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10141 | R | Read Defined Variable [TT] (MPU1)TBCU1_holdbrake = 1.0 | OK | 1 | | Sinazo Mkhwa 529940 05.05.2025 | Train |

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|-------|---|---|----|---|--------------------------------------|-------|
| 10142 | R | Read Defined Variable [TT] (BCU2)LI_BRAKE_NOT_APPLIED = 0.0 | OK | 0 | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10143 | R | Read Defined Variable [TT] (TBCU1)LI_BRAKE_NOT_APPLIED = 0.0 | OK | 0 | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10144 | R | Read Defined Variable [TT] (MPU1)tbcu2_holdbrake = 1.0 | OK | 1 | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10145 | R | Read Defined Variable [TT] (TBCU2)LI_BRAKE_NOT_APPLIED = 0.0 | OK | 0 | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10146 | R | Read Defined Variable [TT] (TBCU3)LI_BRAKE_NOT_APPLIED = 0.0 | OK | 0 | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10147 | R | Read Defined Variable [TT] (TBCU4)LI_BRAKE_NOT_APPLIED = 0.0 | OK | 0 | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10148 | R | Read Defined Variable [TT] (MPU1)tbcu3_holdbrake = 1.0 | OK | 1 | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10149 | R | Read Defined Variable [TT] (MPU1)tbcu4_holdbrake = 1.0 | OK | 1 | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10150 | A | Return the driving mode switch 30S1 to COUPLE / WASH position | OK | | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10151 | A | Position the master controller in 100% BRAKE position | OK | | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10152 | I | Brake isolation through the isolation cock | OK | | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10153 | I | TC1 service brake manual isolation | OK | | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10154 | A | Close the isolation cock C1.3.1 | OK | | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10155 | R | Lamp 40H2 is ON on the alarm mode for EB reduced | OK | | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10156 | R | Read Defined Variable [TT] (BCU1)LI_BRAKE_NOT_APPLIED = 1.0 | OK | 1 | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10157 | A | Put the manometer test point to BCTP | OK | | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10158 | R | Pressure on BCTP decreases slowly until it reaches +/- 0.2 bar | OK | | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10159 | R | Brake discs are not in contact with wheels on TC1 bogies | OK | | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10160 | R | Read Defined Variable [TT] (MPU1)bcu1_servbrakeisoldc = 1.0 | OK | 1 | Sinazo Mkhwa 529940 | Train |

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|-------|---|--|--|----|---|--------------------------------------|-------|
| | | | | | | 05.05.2025 | |
| 10161 | R | Read Defined Variable [TT] (MPU1)BCU2_ServBrakelsoldc = 0.0 | | OK | 0 | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10162 | R | Read Defined Variable [TT] (MPU1)TBCU1_servbrakeisoldc = 0.0 | | OK | 0 | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10163 | R | Read Defined Variable [TT] (BCU2)LI_BRAKE_NOT_APPLIED = 0.0 | | OK | 0 | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10164 | R | Read Defined Variable [TT] (TBCU1)LI_BRAKE_NOT_APPLIED = 0.0 | | OK | 0 | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10165 | R | Read Defined Variable [TT] (BCU1)LI_BRAKE_NOT_APPLIED = 1.0 | | OK | 1 | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10166 | R | Read Defined Variable [TT] (TBCU2)LI_BRAKE_NOT_APPLIED = 0.0 | | OK | 0 | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10167 | R | Read Defined Variable [TT] (TBCU3)LI_BRAKE_NOT_APPLIED = 0.0 | | OK | 0 | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10168 | R | Read Defined Variable [TT] (TBCU4)LI_BRAKE_NOT_APPLIED = 0.0 | | OK | 0 | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10169 | R | Read Defined Variable [TT] (MPU1)tbcu2_servbrakeisoldc = 0.0 | | OK | 0 | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10170 | R | Read Defined Variable [TT] (MPU1)tbcu3_servbrakeisoldc = 0.0 | | OK | 0 | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10171 | R | Read Defined Variable [TT] (MPU1)tbcu4_servbrakeisoldc = 0.0 | | OK | 0 | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10172 | R | Read Defined Variable [TT] (MPU1)li_sbk_tc1servicebrakedc = 1.0 | | OK | 1 | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10173 | R | Read Defined Variable [TT] (MPU1)li_sbk_m1servicebrakedc = 0.0 | | OK | 0 | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10174 | R | Read Defined Variable [TT] (MPU1)li_sbk_m2servicebrakedc = 0.0 | | OK | 0 | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10175 | R | Read Defined Variable [TT] (MPU1)li_sbk_m3servicebrakedc = 0.0 | | OK | 0 | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10176 | R | Read Defined Variable [TT] (MPU1)li_sbk_m4servicebrakedc = 0.0 | | OK | 0 | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10177 | R | Read Defined Variable [TT] (MPU1)li_sbk_tc2servicebrakedc = 0.0 | | OK | 0 | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10178 | R | Read Defined Variable [TT] (MPU1)TBCU1_brakenotapp = 0.0 | | OK | 0 | Sinazo Mkhwa 529940 05.05.2025 | Train |

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|-------|---|---|----|---|--------------------------------------|-------|
| 10179 | R | Read Defined Variable [TT] (MPU1)tbcu2_brakenotapp = 0.0 | OK | 0 | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10180 | R | Read Defined Variable [TT] (MPU1)tbcu3_brakenotapp = 0.0 | OK | 0 | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10181 | R | Read Defined Variable [TT] (MPU1)tbcu4_brakenotapp = 0.0 | OK | 0 | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10182 | R | Read Defined Variable [TT] (MPU1)BCU2_BrakeNotApp = 0.0 | OK | 0 | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10183 | R | Read Defined Variable [TT] (MPU1)bcu1_brakenotapp = 1.0 | OK | 1 | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10184 | A | Open the isolation cock C1.3.1 | OK | | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10185 | R | Lamp 40H2 is OFF on the alarm mode for EB reduced | OK | | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10186 | R | Read Defined Variable [TT] (BCU1)LI_BRAKE_NOT_APPLIED = 0.0 | OK | 0 | Sinazo Mkhwa 529940 05.05.2025 | 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 | | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10188 | R | Brake discs are in contact with wheels on TC1 bogies | OK | | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10189 | R | Read Defined Variable [TT] (MPU1)bcu1_servbrakeisoldc = 0.0 | OK | 0 | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10190 | R | Read Defined Variable [TT] (MPU1)BCU2_ServBrakeIsolDC = 0.0 | OK | 0 | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10191 | R | Read Defined Variable [TT] (MPU1)TBCU1_servbrakeisoldc = 0.0 | OK | 0 | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10192 | R | Read Defined Variable [TT] (MPU1)tbcu2_servbrakeisoldc = 0.0 | OK | 0 | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10193 | R | Read Defined Variable [TT] (MPU1)tbcu3_servbrakeisoldc = 0.0 | OK | 0 | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10194 | R | Read Defined Variable [TT] (MPU1)tbcu4_servbrakeisoldc = 0.0 | OK | 0 | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10195 | R | Read Defined Variable [TT] (MPU1)li_sbk_tc1servicebrakedc = 0.0 | OK | 0 | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10196 | R | Read Defined Variable [TT] (MPU1)li_sbk_m1servicebrakedc = 0.0 | OK | 0 | Sinazo Mkhwa 529940 05.05.2025 | Train |

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|-------|---|---|----|---|--------------------------------------|-------|
| 10197 | R | Read Defined Variable [TT] (MPU1)li_sbk_m2servicebrakedc = 0.0 | OK | 0 | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10198 | R | Read Defined Variable [TT] (MPU1)li_sbk_m3servicebrakedc = 0.0 | OK | 0 | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10199 | R | Read Defined Variable [TT] (MPU1)li_sbk_m4servicebrakedc = 0.0 | OK | 0 | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10200 | R | Read Defined Variable [TT] (MPU1)li_sbk_tc2servicebrakedc = 0.0 | OK | 0 | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10201 | R | Read Defined Variable [TT] (MPU1)TBCU1_brakenotapp = 0.0 | OK | 0 | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10202 | R | Read Defined Variable [TT] (MPU1)tbcu2_brakenotapp = 0.0 | OK | 0 | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10203 | R | Read Defined Variable [TT] (MPU1)tbcu3_brakenotapp = 0.0 | OK | 0 | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10204 | R | Read Defined Variable [TT] (MPU1)tbcu4_brakenotapp = 0.0 | OK | 0 | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10205 | R | Read Defined Variable [TT] (MPU1)BCU2_BrakeNotApp = 0.0 | OK | 0 | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10206 | R | Read Defined Variable [TT] (MPU1)bcu1_brakenotapp = 0.0 | OK | 0 | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10207 | A | Remove manometer on TC1 BCTP point | OK | | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10208 | I | M4 service brake manual isolation | OK | | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10209 | A | Close the isolation cock C2.3.1 | OK | | Sinazo Mkhwa 529940 05.05.2025 | 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 | | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10211 | R | Lamp 40H2 is "ON" on the alarm mode for EB reduced | OK | | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10212 | A | Put manometer on M4 BCTP point | OK | | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10213 | R | Pressure measured on test point BCTP decreases slowly until 0 bar (+/-0,2bar) | OK | | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10214 | R | Brake discs are not in contact with wheels on M4 bogies | OK | | Sinazo Mkhwa 529940 05.05.2025 | Train |

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|-------|---|--|----|---|--------------------------------------|-------|
| 10215 | R | Read Defined Variable [TT] (MPU1)bcu1_servbrakeisoldc = 0.0 | OK | 0 | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10216 | R | Read Defined Variable [TT] (MPU1)BCU2_ServBrakeIsolDC = 0.0 | OK | 0 | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10217 | R | Read Defined Variable [TT] (MPU1)TBCU1_servbrakeisoldc = 0.0 | OK | 0 | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10218 | R | Read Defined Variable [TT] (MPU1)tbcu2_servbrakeisoldc = 0.0 | OK | 0 | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10219 | R | Read Defined Variable [TT] (MPU1)tbcu3_servbrakeisoldc = 0.0 | OK | 0 | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10220 | R | Read Defined Variable [TT] (MPU1)tbcu4_servbrakeisoldc = 1.0 | OK | 1 | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10221 | R | Read Defined Variable [TT] (MPU1)li_sbk_tc1servicebrakedc = 0.0 | OK | 0 | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10222 | R | Read Defined Variable [TT] (MPU1)li_sbk_m1servicebrakedc = 0.0 | OK | 0 | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10223 | R | Read Defined Variable [TT] (MPU1)li_sbk_m2servicebrakedc = 0.0 | OK | 0 | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10224 | R | Read Defined Variable [TT] (MPU1)li_sbk_m3servicebrakedc = 0.0 | OK | 0 | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10225 | R | Read Defined Variable [TT] (MPU1)li_sbk_m4servicebrakedc = 1.0 | OK | 1 | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10226 | R | Read Defined Variable [TT] (MPU1)li_sbk_tc2servicebrakedc = 0.0 | OK | 0 | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10227 | R | Read Defined Variable [TT] (MPU1)TBCU1_brakenotapp = 0.0 | OK | 0 | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10228 | R | Read Defined Variable [TT] (MPU1)tbcu2_brakenotapp = 0.0 | OK | 0 | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10229 | R | Read Defined Variable [TT] (MPU1)tbcu3_brakenotapp = 0.0 | OK | 0 | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10230 | R | Read Defined Variable [TT] (MPU1)tbcu4_brakenotapp = 1.0 | OK | 1 | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10231 | R | Read Defined Variable [TT] (MPU1)BCU2_BrakeNotApp = 0.0 | OK | 0 | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10232 | R | Read Defined Variable [TT] (MPU1)bcu1_brakenotapp = 0.0 | OK | 0 | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10233 | A | Open the isolation cock C2.3.1 | OK | | Sinazo Mkhwa 529940 | Train |

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|-------|---|--|--|----|---|--------------------------------------|-------|
| | | | | | | 05.05.2025 | |
| 10234 | R | Lamp 40H2 is OFF for EB reduced on the alarm module | | OK | | Sinazo Mkhwa 529940 05.05.2025 | 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 | | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10236 | R | Brake discs are in contact with wheels on M4 bogies | | OK | | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10237 | R | Read Defined Variable [TT] (MPU1)bcu1_servbrakeisoldc = 0.0 | | OK | 0 | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10238 | R | Read Defined Variable [TT] (MPU1)BCU2_ServBrakelsolDC = 0.0 | | OK | 0 | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10239 | R | Read Defined Variable [TT] (MPU1)TBCU1_servbrakeisoldc = 0.0 | | OK | 0 | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10240 | R | Read Defined Variable [TT] (MPU1)tbcu2_servbrakeisoldc = 0.0 | | OK | 0 | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10241 | R | Read Defined Variable [TT] (MPU1)tbcu3_servbrakeisoldc = 0.0 | | OK | 0 | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10242 | R | Read Defined Variable [TT] (MPU1)tbcu4_servbrakeisoldc = 0.0 | | OK | 0 | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10243 | R | Read Defined Variable [TT] (MPU1)li_sbk_tc1servicebrakedc = 0.0 | | OK | 0 | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10244 | R | Read Defined Variable [TT] (MPU1)li_sbk_m1servicebrakedc = 0.0 | | OK | 0 | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10245 | R | Read Defined Variable [TT] (MPU1)li_sbk_m2servicebrakedc = 0.0 | | OK | 0 | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10246 | R | Read Defined Variable [TT] (MPU1)li_sbk_m3servicebrakedc = 0.0 | | OK | 0 | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10247 | R | Read Defined Variable [TT] (MPU1)li_sbk_m4servicebrakedc = 0.0 | | OK | 0 | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10248 | R | Read Defined Variable [TT] (MPU1)li_sbk_tc2servicebrakedc = 0.0 | | OK | 0 | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10249 | R | Read Defined Variable [TT] (MPU1)TBCU1_brakenotapp = 0.0 | | OK | 0 | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10250 | R | Read Defined Variable [TT] (MPU1)tbcu2_brakenotapp = 0.0 | | OK | 0 | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10251 | R | Read Defined Variable [TT] (MPU1)tbcu3_brakenotapp = 0.0 | | OK | 0 | Sinazo Mkhwa 529940 05.05.2025 | Train |

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|-------|---|--|----|---|--------------------------------------|-------|
| 10252 | R | Read Defined Variable [TT] (MPU1)tbcu4_brakenotapp = 0.0 | OK | 0 | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10253 | R | Read Defined Variable [TT] (MPU1)BCU2_BrakeNotApp = 0.0 | OK | 0 | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10254 | R | Read Defined Variable [TT] (MPU1)tbcu1_brakenotapp = 0.0 | OK | 0 | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10255 | A | Remove manometer on M4 BCTP point | OK | | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10256 | I | M1 service brake manual isolation | OK | | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10257 | A | Close the isolation cock C2.3.1 | OK | | Sinazo Mkhwa 529940 05.05.2025 | 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 | | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10259 | R | Lamp 40H2 is ON for EB reduced on the alarm module | OK | | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10260 | A | Put manometer on M1 BCTP point | OK | | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10261 | R | Pressure measured on test point BCTP decreases slowly (drain the brake reservoir) until 0bar (+/-0,2bar) | OK | | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10262 | R | Brake discs are not in contact with wheels on M1 bogies | OK | | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10263 | R | Read Defined Variable [TT] (MPU1)tbcu1_servbrakeisoldc = 0.0 | OK | 0 | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10264 | R | Read Defined Variable [TT] (MPU1)BCU2_ServBrakeIsolDC = 0.0 | OK | 0 | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10265 | R | Read Defined Variable [TT] (MPU1)TBCU1_servbrakeisoldc = 1.0 | OK | 1 | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10266 | R | Read Defined Variable [TT] (MPU1)tbcu2_servbrakeisoldc = 0.0 | OK | 0 | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10267 | R | Read Defined Variable [TT] (MPU1)tbcu3_servbrakeisoldc = 0.0 | OK | 0 | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10268 | R | Read Defined Variable [TT] (MPU1)tbcu4_servbrakeisoldc = 0.0 | OK | 0 | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10269 | R | Read Defined Variable [TT] (MPU1)li_sbk_tc1servicebrakedc = 0.0 | OK | 0 | Sinazo Mkhwa 529940 05.05.2025 | Train |

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|-------|---|--|----|---|--------------------------------------|-------|
| 10270 | R | Read Defined Variable [TT] (MPU1)li_sbk_m1servicebrakedc = 1.0 | OK | 1 | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10271 | R | Read Defined Variable [TT] (MPU1)li_sbk_m2servicebrakedc = 0.0 | OK | 0 | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10272 | R | Read Defined Variable [TT] (MPU1)li_sbk_m3servicebrakedc = 0.0 | OK | 0 | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10273 | R | Read Defined Variable [TT] (MPU1)li_sbk_m4servicebrakedc = 0.0 | OK | 0 | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10274 | R | Read Defined Variable [TT] (MPU1)li_sbk_tc2servicebrakedc = 0.0 | OK | 0 | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10275 | R | Read Defined Variable [TT] (MPU1)TBCU1_brakenotapp = 1.0 | OK | 1 | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10276 | R | Read Defined Variable [TT] (MPU1)tbcu2_brakenotapp = 0.0 | OK | 0 | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10277 | R | Read Defined Variable [TT] (MPU1)tbcu3_brakenotapp = 0.0 | OK | 0 | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10278 | R | Read Defined Variable [TT] (MPU1)tbcu4_brakenotapp = 0.0 | OK | 0 | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10279 | R | Read Defined Variable [TT] (MPU1)BCU2_BrakeNotApp = 0.0 | OK | 0 | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10280 | R | Read Defined Variable [TT] (MPU1)bcu1_brakenotapp = 0.0 | OK | 0 | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10281 | A | Open the isolation cock C2.3.1 | OK | | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10282 | R | Lamp 40H2 is OFF for EB reduced on the alarm module | OK | | Sinazo Mkhwa 529940 05.05.2025 | 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 | | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10284 | R | Brake discs are in contact with wheels on M1 bogies | OK | | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10285 | R | Read Defined Variable [TT] (MPU1)bcu1_servbrakeisoldc = 0.0 | OK | 0 | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10286 | R | Read Defined Variable [TT] (MPU1)BCU2_ServBrakeIsolDC = 0.0 | OK | 0 | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10287 | R | Read Defined Variable [TT] (MPU1)TBCU1_servbrakeisoldc = 0.0 | OK | 0 | Sinazo Mkhwa 529940 05.05.2025 | Train |

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|-------|---|--|----|---|--------------------------------------|-------|
| 10288 | R | Read Defined Variable [TT] (MPU1)tbcu2_servbrakeisoldc = 0.0 | OK | 0 | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10289 | R | Read Defined Variable [TT] (MPU1)tbcu3_servbrakeisoldc = 0.0 | OK | 0 | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10290 | R | Read Defined Variable [TT] (MPU1)tbcu4_servbrakeisoldc = 0.0 | OK | 0 | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10291 | R | Read Defined Variable [TT] (MPU1)li_sbk_tc1servicebrakedc = 0.0 | OK | 0 | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10292 | R | Read Defined Variable [TT] (MPU1)li_sbk_m1servicebrakedc = 0.0 | OK | 0 | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10293 | R | Read Defined Variable [TT] (MPU1)li_sbk_m2servicebrakedc = 0.0 | OK | 0 | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10294 | R | Read Defined Variable [TT] (MPU1)li_sbk_m2servicebrakedc = 0.0 | OK | 0 | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10295 | R | Read Defined Variable [TT] (MPU1)li_sbk_m3servicebrakedc = 0.0 | OK | 0 | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10296 | R | Read Defined Variable [TT] (MPU1)li_sbk_m4servicebrakedc = 0.0 | OK | 0 | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10297 | R | Read Defined Variable [TT] (MPU1)li_sbk_tc2servicebrakedc = 0.0 | OK | 0 | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10298 | R | Read Defined Variable [TT] (MPU1)TBCU1_brakenotapp = 0.0 | OK | 0 | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10299 | R | Read Defined Variable [TT] (MPU1)tbcu2_brakenotapp = 0.0 | OK | 0 | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10300 | R | Read Defined Variable [TT] (MPU1)tbcu3_brakenotapp = 0.0 | OK | 0 | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10301 | R | Read Defined Variable [TT] (MPU1)tbcu4_brakenotapp = 0.0 | OK | 0 | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10302 | R | Read Defined Variable [TT] (MPU1)BCU2_BrakeNotApp = 0.0 | OK | 0 | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10303 | R | Read Defined Variable [TT] (MPU1)bcu1_brakenotapp = 0.0 | OK | 0 | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10304 | A | Remove manometer on M1 BCTP point | OK | | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10305 | I | M2 service brake manual isolation | OK | | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10306 | A | Close the isolation cock C2.3.1 | OK | | Sinazo Mkhwa 529940 | Train |

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|-------|---|--|--|----|---|--------------------------------------|-------|
| | | | | | | 05.05.2025 | |
| 10307 | R | Lamp 40H2 is ON for EB reduced on the alarm module | | OK | | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10308 | A | Put manometer on M2 BCTP point | | OK | | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10309 | R | Pressure measured on test point BCTP decreases slowly (drain the brake reservoir) until 0bar (+/-0,2bar) | | OK | | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10310 | R | Read Defined Variable [TT] (MPU1)tbcu2_servbrakeisoldc = 1.0 | | OK | 1 | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10311 | R | Brake discs are not in contact with wheels on M2 bogies | | OK | | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10312 | R | Read Defined Variable [TT] (MPU1)bcu1_servbrakeisoldc = 0.0 | | OK | 0 | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10313 | R | Read Defined Variable [TT] (MPU1)BCU2_ServBrakelsolDC = 0.0 | | OK | 0 | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10314 | R | Read Defined Variable [TT] (MPU1)TBCU1_servbrakeisoldc = 0.0 | | OK | 0 | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10315 | R | Read Defined Variable [TT] (MPU1)li_sbk_m2servicebrakedc = 1.0 | | OK | 1 | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10316 | R | Read Defined Variable [TT] (MPU1)tbcu3_servbrakeisoldc = 0.0 | | OK | 0 | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10317 | R | Read Defined Variable [TT] (MPU1)tbcu4_servbrakeisoldc = 0.0 | | OK | 0 | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10318 | R | Read Defined Variable [TT] (MPU1)li_sbk_tc1servicebrakedc = 0.0 | | OK | 0 | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10319 | R | Read Defined Variable [TT] (MPU1)li_sbk_m1servicebrakedc = 0.0 | | OK | 0 | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10320 | R | Read Defined Variable [TT] (MPU1)li_sbk_m3servicebrakedc = 0.0 | | OK | 0 | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10321 | R | Read Defined Variable [TT] (MPU1)li_sbk_m4servicebrakedc = 0.0 | | OK | 0 | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10322 | R | Read Defined Variable [TT] (MPU1)li_sbk_tc2servicebrakedc = 0.0 | | OK | 0 | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10323 | R | Read Defined Variable [TT] (MPU1)TBCU1_brakenotapp = 0.0 | | OK | 0 | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10324 | R | Read Defined Variable [TT] (MPU1)tbcu2_brakenotapp = 1.0 | | OK | 1 | Sinazo Mkhwa 529940 05.05.2025 | Train |

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|-------|---|--|----|---|--------------------------------------|-------|
| 10325 | R | Read Defined Variable [TT] (MPU1)tbcu3_brakenotapp = 0.0 | OK | 0 | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10326 | R | Read Defined Variable [TT] (MPU1)tbcu4_brakenotapp = 0.0 | OK | 0 | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10327 | R | Read Defined Variable [TT] (MPU1)BCU2_BrakeNotApp = 0.0 | OK | 0 | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10328 | R | Read Defined Variable [TT] (MPU1)bcu1_brakenotapp = 0.0 | OK | 0 | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10329 | A | Open the isolation cock C2.3.1 | OK | | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10330 | R | Lamp 40H2 is OFF for EB reduced on the alarm module | OK | | Sinazo Mkhwa 529940 05.05.2025 | 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 | | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10332 | R | Brake discs are in contact with wheels on M2 bogies | OK | | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10333 | R | Read Defined Variable [TT] (MPU1)bcu1_servbrakeisoldc = 0.0 | OK | 0 | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10334 | R | Read Defined Variable [TT] (MPU1)BCU2_ServBrakeIsolDC = 0.0 | OK | 0 | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10335 | R | Read Defined Variable [TT] (MPU1)TBCU1_servbrakeisoldc = 0.0 | OK | 0 | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10336 | R | Read Defined Variable [TT] (MPU1)tbcu3_servbrakeisoldc = 0.0 | OK | 0 | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10337 | R | Read Defined Variable [TT] (MPU1)tbcu4_servbrakeisoldc = 0.0 | OK | 0 | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10338 | R | Read Defined Variable [TT] (MPU1)li_sbk_tc1servicebrakedc = 0.0 | OK | 0 | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10339 | R | Read Defined Variable [TT] (MPU1)li_sbk_m1servicebrakedc = 0.0 | OK | 0 | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10340 | R | Read Defined Variable [TT] (MPU1)li_sbk_m3servicebrakedc = 0.0 | OK | 0 | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10341 | R | Read Defined Variable [TT] (MPU1)li_sbk_m4servicebrakedc = 0.0 | OK | 0 | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10342 | R | Read Defined Variable [TT] (MPU1)li_sbk_tc2servicebrakedc = 0.0 | OK | 0 | Sinazo Mkhwa 529940 05.05.2025 | Train |

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|-------|---|--|----|---|--------------------------------------|-------|
| 10343 | R | Read Defined Variable [TT] (MPU1)TBCU1_brakenotapp = 0.0 | OK | 0 | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10344 | R | Read Defined Variable [TT] (MPU1)tbcu3_brakenotapp = 0.0 | OK | 0 | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10345 | R | Read Defined Variable [TT] (MPU1)tbcu4_brakenotapp = 0.0 | OK | 0 | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10346 | R | Read Defined Variable [TT] (MPU1)BCU2_BrakeNotApp = 0.0 | OK | 0 | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10347 | R | Read Defined Variable [TT] (MPU1)bcu1_brakenotapp = 0.0 | OK | 0 | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10348 | A | Remove manometer on M2 BCTP point | OK | | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10349 | I | M3 Service brake manual isolation | OK | | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10350 | A | Close the isolation cock C2.3.1 | OK | | Sinazo Mkhwa 529940 05.05.2025 | 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 | | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10352 | R | Lamp 40H2 is ON for EB reduced on the alarm module | OK | | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10353 | A | Put the manometer on the BCTP test point of M3 | OK | | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10354 | R | Pressure measured on test point BCTP decreases slowly (drain the brake reservoir) until 0bar (+/-0,2bar) | OK | | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10355 | R | Brake discs are not in contact with wheels on M3 bogies | OK | | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10356 | R | Read Defined Variable [TT] (MPU1)bcu1_servbrakeisoldc = 0.0 | OK | 0 | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10357 | R | Read Defined Variable [TT] (MPU1)BCU2_ServBrakeIsolDC = 0.0 | OK | 0 | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10358 | R | Read Defined Variable [TT] (MPU1)TBCU1_servbrakeisoldc = 0.0 | OK | 0 | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10359 | R | Read Defined Variable [TT] (MPU1)tbcu2_servbrakeisoldc = 0.0 | OK | 0 | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10360 | R | Read Defined Variable [TT] (MPU1)tbcu3_servbrakeisoldc = 1.0 | OK | 1 | Sinazo Mkhwa 529940 05.05.2025 | Train |

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|-------|---|--|----|---|--------------------------------------|-------|
| 10361 | R | Read Defined Variable [TT] (MPU1)tbcu4_servbrakeisoldc = 0.0 | OK | 0 | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10362 | R | Read Defined Variable [TT] (MPU1)li_sbk_tc1servicebrakedc = 0.0 | OK | 0 | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10363 | R | Read Defined Variable [TT] (MPU1)li_sbk_m1servicebrakedc = 0.0 | OK | 0 | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10364 | R | Read Defined Variable [TT] (MPU1)li_sbk_m2servicebrakedc = 0.0 | OK | 0 | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10365 | R | Read Defined Variable [TT] (MPU1)li_sbk_m3servicebrakedc = 1.0 | OK | 1 | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10366 | R | Read Defined Variable [TT] (MPU1)li_sbk_m4servicebrakedc = 0.0 | OK | 0 | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10367 | R | Read Defined Variable [TT] (MPU1)li_sbk_tc2servicebrakedc = 0.0 | OK | 0 | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10368 | R | Read Defined Variable [TT] (MPU1)TBCU1_brakenotapp = 0.0 | OK | 0 | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10369 | R | Read Defined Variable [TT] (MPU1)tbcu2_brakenotapp = 0.0 | OK | 0 | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10370 | R | Read Defined Variable [TT] (MPU1)tbcu3_brakenotapp = 1.0 | OK | 1 | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10371 | R | Read Defined Variable [TT] (MPU1)tbcu4_brakenotapp = 0.0 | OK | 0 | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10372 | R | Read Defined Variable [TT] (MPU1)BCU2_BrakeNotApp = 0.0 | OK | 0 | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10373 | R | Read Defined Variable [TT] (BCU2)LI_BRAKE_NOT_APPLIED = 0.0 | OK | 0 | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10374 | R | Read Defined Variable [TT] (TBCU1)LI_BRAKE_NOT_APPLIED = 0.0 | OK | 0 | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10375 | R | Read Defined Variable [TT] (BCU1)LI_BRAKE_NOT_APPLIED = 0.0 | OK | 0 | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10376 | R | Read Defined Variable [TT] (TBCU2)LI_BRAKE_NOT_APPLIED = 0.0 | OK | 0 | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10377 | R | Read Defined Variable [TT] (TBCU3)LI_BRAKE_NOT_APPLIED = 1.0 | OK | 1 | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10378 | R | Read Defined Variable [TT] (TBCU4)LI_BRAKE_NOT_APPLIED = 0.0 | OK | 0 | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10379 | R | Read Defined Variable [TT] (MPU1)bcu1_brakenotapp = 0.0 | OK | 0 | Sinazo Mkhwa 529940 | Train |

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|-------|---|--|--|----|---|--------------------------------------|-------|
| 10380 | A | Open the isolation cock C2.3.1 | | OK | | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10381 | R | Lamp 40Hz is OFF for EB reduced on the alarm module | | OK | | Sinazo Mkhwa 529940 05.05.2025 | 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 | | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10383 | R | Brake discs are in contact with wheels on M3 bogies | | OK | | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10384 | R | Read Defined Variable [TT] (MPU1)bcu1_servbrakeisoldc = 0.0 | | OK | 0 | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10385 | R | Read Defined Variable [TT] (MPU1)BCU2_ServBrakeisoldC = 0.0 | | OK | 0 | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10386 | R | Read Defined Variable [TT] (MPU1)TBCU1_servbrakeisoldc = 0.0 | | OK | 0 | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10387 | R | Read Defined Variable [TT] (MPU1)tbcu2_servbrakeisoldc = 0.0 | | OK | 0 | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10388 | R | Read Defined Variable [TT] (MPU1)tbcu3_servbrakeisoldc = 0.0 | | OK | 0 | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10389 | R | Read Defined Variable [TT] (MPU1)tbcu4_servbrakeisoldc = 0.0 | | OK | 0 | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10390 | R | Read Defined Variable [TT] (MPU1)li_sbk_tc1servicebrakedc = 0.0 | | OK | 0 | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10391 | R | Read Defined Variable [TT] (MPU1)li_sbk_m1servicebrakedc = 0.0 | | OK | 0 | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10392 | R | Read Defined Variable [TT] (MPU1)li_sbk_m2servicebrakedc = 0.0 | | OK | 0 | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10393 | R | Read Defined Variable [TT] (MPU1)li_sbk_m3servicebrakedc = 0.0 | | OK | 0 | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10394 | R | Read Defined Variable [TT] (MPU1)li_sbk_m4servicebrakedc = 0.0 | | OK | 0 | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10395 | R | Read Defined Variable [TT] (MPU1)li_sbk_tc2servicebrakedc = 0.0 | | OK | 0 | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10396 | R | Read Defined Variable [TT] (MPU1)TBCU1_brakenotapp = 0.0 | | OK | 0 | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10397 | R | Read Defined Variable [TT] (MPU1)tbcu2_brakenotapp = 0.0 | | OK | 0 | Sinazo Mkhwa 529940 05.05.2025 | Train |

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|-------|---|---|----|---|---|-------|
| 10398 | R | Read Defined Variable [TT] (MPU1)tbcu3_brakenotapp = 0.0 | OK | 0 | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10399 | R | Read Defined Variable [TT] (MPU1)tbcu4_brakenotapp = 0.0 | OK | 0 | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10400 | R | Read Defined Variable [TT] (MPU1)BCU2_BrakeNotApp = 0.0 | OK | 0 | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10401 | R | Read Defined Variable [TT] (MPU1)bcu1_brakenotapp = 0.0 | OK | 0 | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10402 | A | Remove the manometer from the BCTP test point | OK | | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10403 | I | TC2 Service brake manual isolation | OK | | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10404 | A | Close the isolation cock C1.3.1 | OK | | Sizwe Sibanyoni 484647 19.05.2025 | 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 | | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10406 | R | Lamp 40H2 is ON for EB reduced on the alarm module | OK | | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10407 | A | Put manometer on BCTP test point | OK | | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10408 | R | Pressure measured on test point BCTP decreases slowly (drain the brake reservoir) until Obar (+/-0,2bar) | OK | | Sizwe Sibanyoni 484647 19.05.2025 | Train |
| 10409 | R | Brake discs are not in contact with wheels on TC2 bogies | OK | | Sizwe Sibanyoni 484647 19.05.2025 | Train |
| 10410 | R | Read Defined Variable [TT] (MPU1)bcu1_servbrakeisoldc = 0.0 | OK | 0 | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10411 | R | Read Defined Variable [TT] (MPU1)BCU2_ServBrakeIsolDC = 1.0 | OK | 1 | Sizwe Sibanyoni 484647 19.05.2025 | Train |
| 10412 | R | Read Defined Variable [TT] (MPU1)TBCU1_servbrakeisoldc = 0.0 | OK | 0 | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10413 | R | Read Defined Variable [TT] (MPU1)tbcu2_servbrakeisoldc = 0.0 | OK | 0 | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10414 | R | Read Defined Variable [TT] (MPU1)tbcu3_servbrakeisoldc = 0.0 | OK | 0 | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10415 | R | Read Defined Variable [TT] (MPU1)tbcu4_servbrakeisoldc = 0.0 | OK | 0 | Sinazo Mkhwa 529940 05.05.2025 | Train |

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|-------|---|--|----|---|---|-------|
| 10416 | R | Read Defined Variable [TT] (MPU1)li_sbk_tc1servicebrakedc = 0.0 | OK | 0 | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10417 | R | Read Defined Variable [TT] (MPU1)li_sbk_m1servicebrakedc = 0.0 | OK | 0 | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10418 | R | Read Defined Variable [TT] (MPU1)li_sbk_m2servicebrakedc = 0.0 | OK | 0 | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10419 | R | Read Defined Variable [TT] (MPU1)li_sbk_m3servicebrakedc = 0.0 | OK | 0 | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10420 | R | Read Defined Variable [TT] (MPU1)li_sbk_m4servicebrakedc = 0.0 | OK | 0 | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10421 | R | Read Defined Variable [TT] (MPU1)li_sbk_tc2servicebrakedc = 1.0 | OK | 1 | Sizwe Sibanyoni 484647 19.05.2025 | Train |
| 10422 | R | Read Defined Variable [TT] (MPU1)TBCU1_brakenotapp = 0.0 | OK | 0 | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10423 | R | Read Defined Variable [TT] (MPU1)tbcu2_brakenotapp = 0.0 | OK | 0 | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10424 | R | Read Defined Variable [TT] (MPU1)tbcu3_brakenotapp = 0.0 | OK | 0 | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10425 | R | Read Defined Variable [TT] (MPU1)tbcu4_brakenotapp = 0.0 | OK | 0 | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10426 | R | Read Defined Variable [TT] (MPU1)BCU2_BrakeNotApp = 1.0 | OK | 1 | Mpumelelo Sithole 529980 19.05.2025 | Train |
| 10427 | R | Read Defined Variable [TT] (MPU1)bcu1_brakenotapp = 0.0 | OK | 0 | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10428 | A | Open the isolation cock C1.3.1 | OK | | Sizwe Sibanyoni 484647 19.05.2025 | Train |
| 10429 | R | Lamp 40H2 is OFF for EB reduced on the alarm module | OK | | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10430 | A | Put the manometer on the BCTP point in TC2 | OK | | Sinazo Mkhwa 529940 05.05.2025 | 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 | | Sizwe Sibanyoni 484647 19.05.2025 | Train |
| 10432 | R | Read Defined Variable [TT] (BCU2)LI_BRAKE_NOT_APPLIED = 0.0 | OK | 0 | Sizwe Sibanyoni 484647 19.05.2025 | Train |
| 10433 | R | Read Defined Variable [TT] (TBCU1)LI_BRAKE_NOT_APPLIED = 0.0 | OK | 0 | Sinazo Mkhwa 529940 05.05.2025 | Train |

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|-------|---|--|----|---|---|-------|
| 10434 | R | Read Defined Variable [TT] (BCU1)LI_BRAKE_NOT_APPLIED = 0.0 | OK | 0 | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10435 | R | Read Defined Variable [TT] (TBCU2)LI_BRAKE_NOT_APPLIED = 0.0 | OK | 0 | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10436 | R | Read Defined Variable [TT] (TBCU3)LI_BRAKE_NOT_APPLIED = 0.0 | OK | 0 | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10437 | R | Read Defined Variable [TT] (TBCU4)LI_BRAKE_NOT_APPLIED = 0.0 | OK | 0 | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10438 | R | Brake discs are in contact with wheels on TC2 bogies | OK | | Sizwe Sibanyoni 484647 19.05.2025 | Train |
| 10439 | R | Read Defined Variable [TT] (MPU1)bcu1_servbrakeisoldc = 0.0 | OK | 0 | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10440 | R | Read Defined Variable [TT] (MPU1)BCU2_ServBrakeIsolDC = 0.0 | OK | 0 | Sizwe Sibanyoni 484647 19.05.2025 | Train |
| 10441 | R | Read Defined Variable [TT] (MPU1)TBCU1_servbrakeisoldc = 0.0 | OK | 0 | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10442 | R | Read Defined Variable [TT] (MPU1)tbcu2_servbrakeisoldc = 0.0 | OK | 0 | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10443 | R | Read Defined Variable [TT] (MPU1)tbcu3_servbrakeisoldc = 0.0 | OK | 0 | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10444 | R | Read Defined Variable [TT] (MPU1)tbcu4_servbrakeisoldc = 0.0 | OK | 0 | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10445 | R | Read Defined Variable [TT] (MPU1)li_sbk_tc1servicebrakedc = 0.0 | OK | 0 | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10446 | R | Read Defined Variable [TT] (MPU1)li_sbk_m1servicebrakedc = 0.0 | OK | 0 | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10447 | R | Read Defined Variable [TT] (MPU1)li_sbk_m2servicebrakedc = 0.0 | OK | 0 | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10448 | R | Read Defined Variable [TT] (MPU1)li_sbk_m3servicebrakedc = 0.0 | OK | 0 | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10449 | R | Read Defined Variable [TT] (MPU1)li_sbk_tc2servicebrakedc = 0.0 | OK | 0 | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10450 | R | Read Defined Variable [TT] (MPU1)li_sbk_m4servicebrakedc = 0.0 | OK | 0 | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10451 | R | Read Defined Variable [TT] (MPU1)TBCU1_brakenotapp = 0.0 | OK | 0 | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10452 | R | Read Defined Variable [TT] (MPU1)tbcu2_brakenotapp = 0.0 | OK | 0 | Sinazo Mkhwa 529940 | Train |

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|-------|---|--|----|---|--|---|-------|
| | | | | | | 05.05.2025 | |
| 10453 | R | Read Defined Variable [TT] (MPU1)tbcu3_brakenotapp = 0.0 | OK | 0 | | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10454 | R | Read Defined Variable [TT] (MPU1)tbcu4_brakenotapp = 0.0 | OK | 0 | | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10455 | R | Read Defined Variable [TT] (MPU1)BCU2_BrakeNotApp = 0.0 | OK | 0 | | Sizwe Sibanyoni 484647 19.05.2025 | Train |
| 10456 | R | Read Defined Variable [TT] (MPU1)bcu1_brakenotapp = 0.0 | OK | 0 | | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10457 | A | Remove the manometer from the BCTP point of TC2 | OK | | | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10458 | I | BCU Fault Test | OK | | | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10459 | I | Emergency brake must be applied to force the variables mentioned. After forcing the variables, release emergency brake. | OK | | | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10460 | A | Position the master controller on OFF position | OK | | | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10461 | A | Put the direction selector switch in Neutral position | OK | | | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10462 | A | Force [TT] (BCU1)LO_BRK_FLT = 0.0 | OK | | | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10463 | R | Read Defined Variable [TT] (MPU1)li_sbk_tc1bcufault = 0.0 | OK | 0 | | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10464 | A | Release [TT] (BCU1)LO_BRK_FLT | OK | | | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10465 | R | Read Defined Variable [TT] (MPU1)li_sbk_tc1bcufault = 1.0 | OK | 1 | | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10466 | A | Force [TT] (TBCU4)LO_BRK_FLT = 0.0 | OK | | | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10467 | R | Read Defined Variable [TT] (MPU1)li_sbk_m4bcufault = 0.0 | OK | 0 | | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10468 | A | Release [TT] (TBCU4)LO_BRK_FLT | OK | | | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10469 | R | Read Defined Variable [TT] (MPU1)li_sbk_m4bcufault = 1.0 | OK | 1 | | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10470 | A | Force [TT] (TBCU2)LO_BRK_FLT = 0.0 | OK | | | Sinazo Mkhwa 529940 05.05.2025 | Train |

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|-------|---|--|----|---|---|-------|
| 10471 | R | Read Defined Variable [TT] (MPU1)li_sbk_m2bcufault = 0.0 | OK | 0 | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10472 | A | Release [TT] (TBCU2)LO_BRK_FLT | OK | | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10473 | R | Read Defined Variable [TT] (MPU1)li_sbk_m2bcufault = 1.0 | OK | 1 | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10474 | A | Force [TT] (TBCU1)LO_BRK_FLT = 0.0 | OK | | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10475 | R | Read Defined Variable [TT] (MPU1)li_sbk_m1bcufault = 0.0 | OK | 0 | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10476 | A | Release [TT] (TBCU1)LO_BRK_FLT | OK | | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10477 | R | Read Defined Variable [TT] (MPU1)li_sbk_m1bcufault = 1.0 | OK | 1 | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10478 | A | Force [TT] (TBCU3)LO_BRK_FLT = 0.0 | OK | | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10479 | R | Read Defined Variable [TT] (MPU1)li_sbk_m3bcufault = 0.0 | OK | 0 | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10480 | A | Release [TT] (TBCU3)LO_BRK_FLT | OK | | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10481 | R | Read Defined Variable [TT] (MPU1)li_sbk_m3bcufault = 1.0 | OK | 1 | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10482 | A | Force [TT] (BCU2)LO_BRK_FLT = 0.0 | OK | | Mpumelelo Sithole 529980 19.05.2025 | Train |
| 10483 | R | Read Defined Variable [TT] (MPU1)li_sbk_tc2bcufault = 0.0 | OK | 0 | Mpumelelo Sithole 529980 19.05.2025 | Train |
| 10484 | A | Release [TT] (BCU2)LO_BRK_FLT | OK | | Mpumelelo Sithole 529980 19.05.2025 | Train |
| 10485 | R | Read Defined Variable [TT] (MPU1)li_sbk_tc2bcufault = 1.0 | OK | 1 | Mpumelelo Sithole 529980 19.05.2025 | Train |
| 10486 | I | Wheel Slide test | OK | | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10487 | A | On DDU from TC1 car, request the WSP test on test screen and perform the actions shown on DDU. | OK | | Sizwe Sibanyoni 484647 19.05.2025 | 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 | | Sizwe Sibanyoni 484647 19.05.2025 | Train |
| 10489 | I | Safety requirement: [Prasa1-56] | OK | | Sinazo Mkhwa | Train |

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|-------|---|---|--|----|---|--------------------------------------|-------|
| | | | | | | 529940 05.05.2025 | |
| 10490 | R | Read Defined Variable [TT] (MPU1)BCU2_BcuTstOk = 0.0 | | OK | 0 | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10491 | R | Read Defined Variable [TT] (MPU1)TBCU1_BcuTstOk = 0.0 | | OK | 0 | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10492 | R | Read Defined Variable [TT] (MPU1)TBCU2_BcuTstOk = 0.0 | | OK | 0 | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10493 | R | Read Defined Variable [TT] (MPU1)TBCU3_BcuTstOk = 0.0 | | OK | 0 | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10494 | R | Read Defined Variable [TT] (MPU1)TBCU4_BcuTstOk = 0.0 | | OK | 0 | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10495 | A | Force [TT] (MPU1)lo_sbk_tc1slipsidelampr1 = 1.0 | | OK | | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10496 | A | Force [TT] (MPU1)lo_sbk_tc1slipsidelampr2 = 0.0 | | OK | | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10497 | R | The visual indication of wheel slide detection (41H1) on the alarm module is ON. | | OK | | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10498 | A | Force [TT] (MPU1)lo_sbk_tc1slipsidelampr1 = 0.0 | | OK | | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10499 | A | Force [TT] (MPU1)lo_sbk_tc1slipsidelampr2 = 1.0 | | OK | | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10500 | R | The visual indication of wheel slide detection (41H1) on the alarm module is ON. | | OK | | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10501 | A | Force [TT] (MPU1)lo_sbk_tc1slipsidelampr1 = 1.0 | | OK | | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10502 | A | Force [TT] (MPU1)lo_sbk_tc1slipsidelampr2 = 1.0 | | OK | | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10503 | R | The visual indication of wheel slide detection (41H1) on the alarm module is ON. | | OK | | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10504 | A | Force [TT] (MPU1)lo_sbk_tc1slipsidelampr1 = 0.0 | | OK | | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10505 | A | Force [TT] (MPU1)lo_sbk_tc1slipsidelampr2 = 0.0 | | OK | | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10506 | R | The visual indication of wheel slide detection (41H1) on the alarm module is OFF. | | OK | | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10507 | A | Release [TT] (MPU1)lo_sbk_tc1slipsidelampr1 | | OK | | Sinazo Mkhwa 529940 05.05.2025 | Train |



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|-------|---|---|--|----|--|--------------------------------------|-------|
| 10508 | A | Release [TT] (MPU1)lo_sbk_tc1slipslidelampr2 | | OK | | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10509 | I | End of Test | | OK | | Sinazo Mkhwa 529940 05.05.2025 | Train |

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 | | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10002 | I | Initial Conditions | | OK | | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10003 | I | Car suspension is not isolated in all cars | | OK | | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10004 | I | Air in main pipe is 10 bar | | OK | | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10005 | I | TC1 | | OK | | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10006 | R | Check the pressure on test point LPTP.Read Undefined Value : x () | | OK | 328.2 | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10007 | R | Read Min/Max [TT] (MPU1)bcu1_bcususppress : 311<= x <= 371 | | OK | 327.21 | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10008 | R | Read Defined Variable [TT] (MPU1)bcu1_suspsodc = 0.0 | | OK | 0 | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10009 | A | Close the isolation cock C1.10 | | OK | | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10010 | R | Read Defined Variable [TT] (MPU1)bcu1_suspsodc = 1.0 | | OK | 1 | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10011 | R | Check Pressure on test point C1.11.2 = ObarRead Undefined Value : x () | | OK | 0 | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10012 | A | Open the isolation cock C1.10 | | OK | | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10013 | A | Check all test point covers have been put back in place in the brake panel and suspension. | | OK | | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10014 | I | M4 | | OK | | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10015 | R | Check the pressure on test point LPTP.Read Undefined Value : x () | | OK | 278.4 | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10016 | R | Read Min/Max [TT] (MPU1)tbcu4_bcususppress : 260<= x <= 320 | | OK | 275.86 | Sinazo Mkhwa 529940 05.05.2025 | Train |

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|-------|---|--|----|--------|--------------------------------------|-------|
| 10017 | R | Read Defined Variable [TT] (MPU1)tbcu4_suspsodc = 0.0 | OK | 0 | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10018 | A | Close the isolation cock C2.10 | OK | | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10019 | R | Check Pressure on test point C2.11.2 = ObarRead Undefined Value : x () | OK | 0 | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10020 | R | Read Defined Variable [TT] (MPU1)tbcu4_suspsodc = 1.0 | OK | 1 | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10021 | A | Open the isolation cock C2.10 | OK | | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10022 | A | Check all test point covers have been put back in place in the brake panel and suspension. | OK | | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10023 | I | M1 | OK | | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10024 | R | Check the pressure on test point LPTP.Read Undefined Value : x () | OK | 292.4 | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10025 | R | Read Min/Max [TT] (MPU1)TBCU1_bcusuppress : 271<= x <= 331 | OK | 290.25 | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10026 | R | Read Defined Variable [TT] (MPU1)TBCU1_suspsodc = 0.0 | OK | 0 | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10027 | A | Close the isolation cock C2.10 | OK | | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10028 | R | Check Pressure on test point C2.11.2 = ObarRead Undefined Value : x () | OK | 0 | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10029 | R | Read Defined Variable [TT] (MPU1)TBCU1_suspsodc = 1.0 | OK | 1 | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10030 | A | Open the isolation cock C2.10 | OK | | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10031 | A | Check all test point covers have been put back in place in the brake panel and suspension. | OK | | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10032 | I | M2 | OK | | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10033 | R | Check the pressure on test point LPTP.Read Undefined Value : x () | OK | 299.3 | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10034 | R | Read Min/Max [TT] (MPU1)tbcu2_bcusuppress : 271<= x <= 331 | OK | 298.31 | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10035 | R | Read Defined Variable [TT] (MPU1)tbcu2_suspsodc = 0.0 | OK | 0 | Sinazo Mkhwa 529940 | Train |

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|-------|---|--|----|--------|--|--------------------------------------|-------|
| | | | | | | 05.05.2025 | |
| 10036 | A | Close the isolation cock C2.10 | OK | | | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10037 | R | Check Pressure on test point C2.11.2 = ObarRead Undefined Value : x () | OK | 0 | | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10038 | R | Read Defined Variable [TT] (MPU1)tbcu2_suspsodc = 1.0 | OK | 1 | | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10039 | A | Open the isolation cock C2.10 | OK | | | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10040 | A | Check all test point covers have been put back in place in the brake panel and suspension. | OK | | | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10041 | I | M3 | OK | | | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10042 | R | Check the pressure on test point LPTP.Read Undefined Value : x () | OK | 285 | | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10043 | R | Read Min/Max [TT] (MPU1)tbcu3_bcusuppress : 260<= x <= 320 | OK | 284.04 | | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10044 | R | Read Defined Variable [TT] (MPU1)tbcu3_suspsodc = 0.0 | OK | 0 | | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10045 | A | Close the isolation cock C2.10 | OK | | | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10046 | R | Check Pressure on test point C2.11.2 = ObarRead Undefined Value : x () | OK | 0 | | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10047 | R | Read Defined Variable [TT] (MPU1)tbcu3_suspsodc = 1.0 | OK | 1 | | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10048 | A | Open the isolation cock C2.10 | OK | | | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10049 | A | Check all test point covers have been put back in place in the brake panel and suspension. | OK | | | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10050 | I | TC2 | OK | | | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10051 | R | Check the pressure on test point LPTP.Read Undefined Value : x () | OK | 313.3 | | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10052 | R | Read Min/Max [TT] (MPU1)BCU2_BcuSuspPress : 311<= x <= 371 | OK | 312.2 | | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10053 | R | Read Defined Variable [TT] (MPU1)BCU2_SusplsoDC = 0.0 | OK | 0 | | Sinazo Mkhwa 529940 05.05.2025 | Train |

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|-------|---|--|--|----|---|--------------------------------------|-------|
| 10054 | A | Close the isolation cock C1.10 | | OK | | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10055 | R | Read Defined Variable [TT] (MPU1)BCU2_SusplsoDC = 1.0 | | OK | 1 | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10056 | R | Check Pressure on test point C1.11.2 = ObarRead Undefined Value : x () | | OK | 0 | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10057 | A | Open the isolation cock C1.10 | | OK | | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10058 | A | Check all test point covers have been put back in place in the brake panel and suspension. | | OK | | Sinazo Mkhwa 529940 05.05.2025 | Train |
| 10059 | I | End of Test | | OK | | Sinazo Mkhwa 529940 05.05.2025 | Train |



Serial Tests Report
TS280 – TFS
RTR Train Functional Static Test Report

Document Reference
GIB0000008079
Version: A0

Emission date
16/05/2025

Section 16 – Emergency Brake Interlock

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 | | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10002 | I | Emergency Brake Cylinder Pressure | | OK | | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10003 | I | Pressure in the main pipe should be 10 bar +/- 0.2bar | | OK | | Sizwe Sibanyoni 484647 19.05.2025 | Train |
| 10004 | I | The direction selector switch is in Neutral position | | OK | | Sizwe Sibanyoni 484647 19.05.2025 | Train |
| 10005 | I | Emergency brake is applied | | OK | | Sizwe Sibanyoni 484647 19.05.2025 | Train |
| 10006 | A | Measure the pressure of the BCTP point in all cars with a calibrated manometer | | OK | | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10007 | R | BCTP TC1Result Min/Max : 157<= x <= 197 (kPa) | | OK | 170 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10008 | R | BCTP M4Result Min/Max : 187<= x <= 227 (kPa) | | OK | 204.8 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10009 | R | BCTP M1Result Min/Max : 192<= x <= 232 (kPa) | | OK | 197.5 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10010 | R | BCTP M2Result Min/Max : 192<= x <= 232 (kPa) | | OK | 214.5 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10011 | R | BCTP M3Result Min/Max : 187<= x <= 227 (kPa) | | OK | 188.2 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10012 | R | BCTP TC2Result Min/Max : 157<= x <= 197 (kPa) | | OK | 163.8 | Sizwe Sibanyoni 484647 19.05.2025 | Train |
| 10013 | I | Emergency brake TC1 | | OK | | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10014 | I | Emergency brake by Direction Switch TC1 | | OK | | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10015 | I | Direction selector switch is in NEUTRAL position | | OK | | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10016 | A | Active cab on TC1 | | OK | | Alleta Sekgololo 417407 05.05.2025 | Train |

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|-------|---|--|----|---|--|-------|
| 10017 | R | Read Defined Variable [TT] UBK_EmgcyBrkApld = 1.0 | OK | 1 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10018 | R | Read Defined Variable [TT] (MPU1)BCU2_TINeb = 0.0 | OK | 0 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10019 | R | Read Defined Variable [TT] (MPU1)bcu1_tlnb = 0.0 | OK | 0 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10020 | R | Read Defined Variable [TT] (MPU1)tbcu2_tlnb = 0.0 | OK | 0 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10021 | R | Read Defined Variable [TT] (MPU1)TBCU1_tlnb = 0.0 | OK | 0 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10022 | R | Read Defined Variable [TT] (MPU1)tbcu3_tlnb = 0.0 | OK | 0 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10023 | R | Read Defined Variable [TT] (MPU1)tbcu4_tlnb = 0.0 | OK | 0 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10024 | A | Put the direction selector switch in FORWARD position | OK | | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10025 | R | Read Defined Variable [TT] UBK_EmgcyBrkApld = 0.0 | OK | 0 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10026 | R | Read Defined Variable [TT] (MPU1)BCU2_TINeb = 1.0 | OK | 1 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10027 | R | Read Defined Variable [TT] (MPU1)bcu1_tlnb = 1.0 | OK | 1 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10028 | R | Read Defined Variable [TT] (MPU1)tbcu2_tlnb = 1.0 | OK | 1 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10029 | R | Read Defined Variable [TT] (MPU1)TBCU1_tlnb = 1.0 | OK | 1 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10030 | R | Read Defined Variable [TT] (MPU1)tbcu3_tlnb = 1.0 | OK | 1 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10031 | R | Read Defined Variable [TT] (MPU1)tbcu4_tlnb = 1.0 | OK | 1 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10032 | A | Put the direction selector switch in REVERSE position | OK | | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10033 | R | Read Defined Variable [TT] UBK_EmgcyBrkApld = 0.0 | OK | 0 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10034 | R | Read Defined Variable [TT] (MPU1)BCU2_TINeb = 1.0 | OK | 1 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10035 | R | Read Defined Variable [TT] (MPU1)bcu1_tlnb = 1.0 | OK | 1 | Alleta Sekgololo 417407 | Train |

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|-------|---|---|--|----|---|--|-------|
| | | | | | | 05.05.2025 | |
| 10036 | R | Read Defined Variable [TT] (MPU1)tbcu2_tlineb = 1.0 | | OK | 1 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10037 | R | Read Defined Variable [TT] (MPU1)TBCU1_tlineb = 1.0 | | OK | 1 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10038 | R | Read Defined Variable [TT] (MPU1)tbcu3_tlineb = 1.0 | | OK | 1 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10039 | R | Read Defined Variable [TT] (MPU1)tbcu4_tlineb = 1.0 | | OK | 1 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10040 | A | Put the direction selector switch in NEUTRAL position | | OK | | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10041 | I | Emergency Brake Button TC1 | | OK | | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10042 | A | Put the direction selector switch in FORWARD position | | OK | | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10043 | R | Read Defined Variable [TT] UBK_EmgcyBrkApld = 0.0 | | OK | 0 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10044 | A | Apply emergency brake using the red button 44S1 | | OK | | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10045 | R | Read Defined Variable [TT] UBK_EmgcyBrkApld = 1.0 | | OK | 1 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10046 | A | Release the button 44S1 | | OK | | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10047 | A | Put the direction selector switch in NEUTRAL Position and again in FORWARD position to reset the emergency brake | | OK | | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10048 | R | Read Defined Variable [TT] UBK_EmgcyBrkApld = 0.0 | | OK | 0 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10049 | A | On the non-active cab TC2, apply emergency brake using the red button 44S1 | | OK | | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10050 | R | Read Defined Variable [TT] UBK_EmgcyBrkApld = 1.0 | | OK | 1 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10051 | A | Release the button 44S1 | | OK | | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10052 | A | Put the direction selector switch in NEUTRAL position | | OK | | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10053 | R | Read Defined Variable [TT] UBK_EmgcyBrkApld = 1.0 | | OK | 1 | Alleta Sekgololo 417407 05.05.2025 | Train |

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|-------|---|---|--|----|---|--|-------|
| 10054 | I | Emergency Brake by Master controller TC1 | | OK | | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10055 | A | Put the direction selector switch in FORWARD position | | OK | | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10056 | R | Read Defined Variable [TT] UBK_EmgcyBrkApld = 0.0 | | OK | 0 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10057 | A | Put the master controller in EMERGENCY BRAKE position | | OK | | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10058 | R | Read Defined Variable [TT] UBK_EmgcyBrkApld = 1.0 | | OK | 1 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10059 | A | Put the master controller in OFF position | | OK | | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10060 | R | Read Defined Variable [TT] UBK_EmgcyBrkApld = 1.0 | | OK | 1 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10061 | I | PEA override TC1 | | OK | | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10062 | A | Put the direction selector switch in FORWARD position | | OK | | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10063 | R | Read Defined Variable [TT] UBK_EmgcyBrkApld = 0.0 | | OK | 0 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10064 | R | Lamp 44H5 is OFF | | OK | | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10065 | A | Pull any PEA on train | | OK | | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10066 | R | Lamp 44H5 is ON | | OK | | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10067 | A | Press the PEA override button 44S5 | | OK | | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10068 | A | Reset the PEA by switch 44S6 | | OK | | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10069 | R | Lamp 44H5 is OFF | | OK | | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10070 | A | Press the button 44S5 to normalize PEA override | | OK | | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10071 | I | Emergency brake TC2 | | OK | | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10072 | I | Emergency brake by Direction Switch TC2 | | OK | | Alleta Sekgololo 417407 | Train |

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|-------|---|---|--|----|---|--|-------|
| | | | | | | 05.05.2025 | |
| 10073 | I | Direction selector switch is in NEUTRAL position | | OK | | Sizwe Sibanyoni 484647 19.05.2025 | Train |
| 10074 | A | Switch active cab to TC2 | | OK | | Sizwe Sibanyoni 484647 19.05.2025 | Train |
| 10075 | R | Read Defined Variable [TT] UBK_EmgcyBrkApld = 1.0 | | OK | 1 | Sizwe Sibanyoni 484647 19.05.2025 | Train |
| 10076 | R | Read Defined Variable [TT] (MPU1)BCU2_TlNeb = 0.0 | | OK | 0 | Sizwe Sibanyoni 484647 19.05.2025 | Train |
| 10077 | R | Read Defined Variable [TT] (MPU1)bcu1_tlneb = 0.0 | | OK | 0 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10078 | R | Read Defined Variable [TT] (MPU1)tbcu2_tlneb = 0.0 | | OK | 0 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10079 | R | Read Defined Variable [TT] (MPU1)TBCU1_tlneb = 0.0 | | OK | 0 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10080 | R | Read Defined Variable [TT] (MPU1)tbcu3_tlneb = 0.0 | | OK | 0 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10081 | R | Read Defined Variable [TT] (MPU1)tbcu4_tlneb = 0.0 | | OK | 0 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10082 | A | Put the direction selector switch in FORWARD position | | OK | | Sizwe Sibanyoni 484647 19.05.2025 | Train |
| 10083 | R | Read Defined Variable [TT] UBK_EmgcyBrkApld = 0.0 | | OK | 0 | Sizwe Sibanyoni 484647 19.05.2025 | Train |
| 10084 | R | Read Defined Variable [TT] (MPU1)BCU2_TlNeb = 1.0 | | OK | 1 | Sizwe Sibanyoni 484647 19.05.2025 | Train |
| 10085 | R | Read Defined Variable [TT] (MPU1)bcu1_tlneb = 1.0 | | OK | 1 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10086 | R | Read Defined Variable [TT] (MPU1)tbcu2_tlneb = 1.0 | | OK | 1 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10087 | R | Read Defined Variable [TT] (MPU1)TBCU1_tlneb = 1.0 | | OK | 1 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10088 | R | Read Defined Variable [TT] (MPU1)tbcu3_tlneb = 1.0 | | OK | 1 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10089 | R | Read Defined Variable [TT] (MPU1)tbcu4_tlneb = 1.0 | | OK | 1 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10090 | A | Put the direction selector switch in REVERSE position | | OK | | Sizwe Sibanyoni 484647 19.05.2025 | Train |

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|-------|---|---|----|---|--|-------|
| 10091 | R | Read Defined Variable [TT] UBK_EmgcyBrkApld = 0.0 | OK | 0 | Sizwe Sibanyoni 484647 19.05.2025 | Train |
| 10092 | R | Read Defined Variable [TT] (MPU1)BCU2_tIneb = 1.0 | OK | 1 | Sizwe Sibanyoni 484647 19.05.2025 | Train |
| 10093 | R | Read Defined Variable [TT] (MPU1)bcu1_tIneb = 1.0 | OK | 1 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10094 | R | Read Defined Variable [TT] (MPU1)tbcu2_tIneb = 1.0 | OK | 1 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10095 | R | Read Defined Variable [TT] (MPU1)TBCU1_tIneb = 1.0 | OK | 1 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10096 | R | Read Defined Variable [TT] (MPU1)tbcu3_tIneb = 1.0 | OK | 1 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10097 | R | Read Defined Variable [TT] (MPU1)tbcu4_tIneb = 1.0 | OK | 1 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10098 | I | Emergency Brake Button TC2 | OK | | Sizwe Sibanyoni 484647 19.05.2025 | Train |
| 10099 | A | Apply emergency brake using the red button 44S1 | OK | | Sizwe Sibanyoni 484647 19.05.2025 | Train |
| 10100 | A | Put the direction selector switch in FORWARD position | OK | | Sizwe Sibanyoni 484647 19.05.2025 | Train |
| 10101 | A | Release the button 44S1 | OK | | Sizwe Sibanyoni 484647 19.05.2025 | Train |
| 10102 | R | Read Defined Variable [TT] UBK_EmgcyBrkApld = 1.0 | OK | 1 | Sizwe Sibanyoni 484647 19.05.2025 | Train |
| 10103 | A | Put the direction selector switch in NEUTRAL position and again in FORWARD position to reset the emergency brake | OK | | Sizwe Sibanyoni 484647 19.05.2025 | Train |
| 10104 | R | Read Defined Variable [TT] UBK_EmgcyBrkApld = 0.0 | OK | 0 | Sizwe Sibanyoni 484647 19.05.2025 | Train |
| 10105 | A | On the non-active can TC1, apply emergency brake using the red button 44S1 | OK | | Sizwe Sibanyoni 484647 19.05.2025 | Train |
| 10106 | R | Read Defined Variable [TT] UBK_EmgcyBrkApld = 1.0 | OK | 1 | Sizwe Sibanyoni 484647 19.05.2025 | Train |
| 10107 | A | Release the button 44S1 | OK | | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10108 | A | Put the direction selector switch in NEUTRAL position and again in FORWARD position to reset the emergency brake | OK | | Alleta Sekgololo 417407 05.05.2025 | Train |

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|-------|---|--|----|---|--|-------|
| 10109 | R | Read Defined Variable [TT] UBK_EmgcyBrkApld = 0.0 | OK | 0 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10110 | A | Put the direction selector switch in NEUTRAL position | OK | | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10111 | I | Emergency Brake by Master controller TC2 | OK | | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10112 | A | Put the direction selector switch in FORWARD position | OK | | Sizwe Sibanyoni 484647 19.05.2025 | Train |
| 10113 | R | Read Defined Variable [TT] UBK_EmgcyBrkApld = 0.0 | OK | 0 | Sizwe Sibanyoni 484647 19.05.2025 | Train |
| 10114 | A | Put the master controller in EMERGENCY BRAKE position | OK | | Sizwe Sibanyoni 484647 19.05.2025 | Train |
| 10115 | R | Read Defined Variable [TT] UBK_EmgcyBrkApld = 1.0 | OK | 1 | Sizwe Sibanyoni 484647 19.05.2025 | Train |
| 10116 | A | Put the master controller in OFF position | OK | | Sizwe Sibanyoni 484647 19.05.2025 | Train |
| 10117 | R | Read Defined Variable [TT] UBK_EmgcyBrkApld = 1.0 | OK | 1 | Sizwe Sibanyoni 484647 19.05.2025 | Train |
| 10118 | I | PEA override TC2 | OK | | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10119 | R | Read Defined Variable [TT] UBK_EmgcyBrkApld = 0.0 | OK | 0 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10120 | A | Pull any PEA on train | OK | | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10121 | R | Lamp 44H5 is ON | OK | | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10122 | A | Press the PEA override button 44S5 | OK | | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10123 | A | Reset the PEA by switch 44S6 | OK | | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10124 | R | Lamp 44H5 is OFF | OK | | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10125 | A | Press the button 44S5 to normalize PEA override | OK | | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10126 | A | Put the direction selector switch in Neutral and FORWARD position | OK | | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10127 | R | Read Defined Variable [TT] UBK_EmgcyBrkApld = 0.0 | OK | 0 | Alleta Sekgololo 417407 | Train |

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|-------|---|--|--|----|---|--|-------|
| | | | | | | 05.05.2025 | |
| 10128 | I | Low Pressure | | OK | | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10129 | A | Force [TT] (MPU1)lo_air_tc1compenabler1 = 0.0 | | OK | | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10130 | A | Force [TT] (MPU1)lo_air_tc1compenabler2 = 0.0 | | OK | | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10131 | A | Force [TT] (MPU1)lo_air_tc2compenabler1 = 0.0 | | OK | | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10132 | A | Force [TT] (MPU1)lo_air_tc2compenabler2 = 0.0 | | OK | | Alleta Sekgololo 417407 05.05.2025 | 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 | | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10134 | R | On DDU screen, emergency brake due to low pressure appears | | OK | | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10135 | R | Read Defined Variable [TT] (BCU1)li_mp_ps_ok = 0.0 | | OK | 0 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10136 | R | Read Defined Variable [TT] (BCU2)li_mp_ps_ok = 0.0 | | OK | 0 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10137 | R | Read Defined Variable [TT] UBK_EmgcyBrkApld = 1.0 | | OK | 1 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10138 | A | Release [TT] (MPU1)lo_air_tc1compenabler1 | | OK | | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10139 | A | Release [TT] (MPU1)lo_air_tc1compenabler2 | | OK | | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10140 | A | Release [TT] (MPU1)lo_air_tc2compenabler2 | | OK | | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10141 | A | Release [TT] (MPU1)lo_air_tc2compenabler1 | | OK | | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10142 | I | The pressure in the main pipe should be at least 7 bar for emergency brake to be released | | OK | | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10143 | A | Put the direction selector switch in NEUTRAL position and again in FORWARD position | | OK | | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10144 | R | Read Defined Variable [TT] (BCU1)li_mp_ps_ok = 1.0 | | OK | 1 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10145 | R | Read Defined Variable [TT] (BCU2)li_mp_ps_ok = 1.0 | | OK | 1 | Alleta Sekgololo 417407 05.05.2025 | Train |



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|-------|---|--|--|----|---|--|-------|
| 10146 | R | Read Defined Variable [TT] UBK_EmgcyBrkApld = 0.0 | | OK | 0 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10147 | I | End of Test | | OK | | Alleta Sekgololo 417407 05.05.2025 | Train |



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| Serial Tests Report TS280 – TFS RTR Train Functional Static Test Report | Document Reference GIB0000008079 Version: A0 | Emission date 16/05/2025 |
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Section 17 – Fire Detection

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 | | Sithembile Xulu 416253 06.05.2025 | Train |
| 10002 | I | Start of Test | | OK | | Sithembile Xulu 416253 06.05.2025 | Train |
| 10003 | A | Turn the key to Active cab | | OK | | Sithembile Xulu 416253 06.05.2025 | Train |
| 10004 | A | Close the battery contactor 18S1 | | OK | | Sithembile Xulu 416253 06.05.2025 | Train |
| 10005 | A | Press the automatic start button 20S1 to prepare the train in High voltage | | OK | | Sithembile Xulu 416253 06.05.2025 | Train |
| 10006 | R | Read Defined Variable [TT] PNT_AllPantoRaised = 1.0 | | OK | 1 | Sithembile Xulu 416253 06.05.2025 | Train |
| 10007 | R | Read Defined Variable [TT] HSC_HscbClosedNum = 2.0 | | OK | 2 | Sithembile Xulu 416253 06.05.2025 | Train |
| 10008 | R | Read Defined Variable [TT] (MPU1)NET_FDCUPresCIP = 1.0 | | OK | 1 | Sithembile Xulu 416253 06.05.2025 | Train |
| 10009 | R | Read Defined Variable [TT] (MPU1)FSD_FireSystemOk = 1.0 | | OK | 1 | Sithembile Xulu 416253 06.05.2025 | Train |
| 10010 | R | Read Defined Variable [TT] (MPU1)FSD_FireLocation = 1.0 | | OK | 1 | Sithembile Xulu 416253 06.05.2025 | Train |
| 10011 | R | Read Defined Variable [TT] (MPU1)FDCU_Data1 = 0.0 | | OK | 0 | Sithembile Xulu 416253 06.05.2025 | Train |
| 10012 | R | Read Defined Variable [TT] (MPU1)FDCU_Data2 = 0.0 | | OK | 0 | Sithembile Xulu 416253 06.05.2025 | Train |
| 10013 | R | Read Defined Variable [TT] (MPU1)FDCU_Data3 = 0.0 | | OK | 0 | Sithembile Xulu 416253 06.05.2025 | Train |
| 10014 | R | Read Defined Variable [TT] (MPU1)FDCU_DiagData = 0.0 | | OK | 0 | Sithembile Xulu 416253 06.05.2025 | Train |
| 10015 | R | Read Defined Variable [TT] (MPU1)FDCU_Status = 17.0 | | OK | 17 | Sithembile Xulu 416253 06.05.2025 | Train |
| 10016 | I | Fire Detection Simulation test in Saloon | | OK | | Sithembile Xulu 416253 06.05.2025 | Train |

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|-------|---|---|---|----|----|---|-------|
| 10017 | I | In order to see the CCTV footage where fire was simulated, navigate through the ISO event. | | OK | | Sithembile Xulu 416253 06.05.2025 | Train |
| 10018 | I | Both cameras will be activated when a fire is detected in the saloon | | OK | | Sithembile Xulu 416253 06.05.2025 | Train |
| 10019 | I | All HVACs are operational |  | OK | | Sithembile Xulu 416253 06.05.2025 | Train |
| 10020 | I | TC1 | | OK | | Sithembile Xulu 416253 06.05.2025 | Train |
| 10021 | A | Simulate a fire by spraying the gas on the fire detection unit 67A4 on TC1 cab for at least 1s | | OK | | Sithembile Xulu 416253 06.05.2025 | Train |
| 10022 | R | 67H1 becomes "ON" on the Alarm Module and the DDU also shows the fire location | | OK | | Sithembile Xulu 416253 06.05.2025 | Train |
| 10023 | R | HVAC stops working in the cab and TC1 saloon | | OK | | Sithembile Xulu 416253 06.05.2025 | Train |
| 10024 | R | Read Defined Variable [TT] (MPU1)FDCU_Status = 49.0 | | OK | 49 | Sithembile Xulu 416253 06.05.2025 | Train |
| 10025 | R | Read Defined Variable [TT] (MPU1)FDCU_Data1 = 1.0 | | OK | 1 | Sithembile Xulu 416253 06.05.2025 | Train |
| 10026 | A | Reset the fire detection loop on the DDU | | OK | | Sithembile Xulu 416253 06.05.2025 | Train |
| 10027 | R | 67H1 turns OFF on the Alarm Module and NO fire detected on the DDU | | OK | | Sithembile Xulu 416253 06.05.2025 | Train |
| 10028 | R | The HVAC of TC1 Cab and Saloon starts working in normal condition | | OK | | Sithembile Xulu 416253 06.05.2025 | Train |
| 10029 | R | Read Defined Variable [TT] (MPU1)FDCU_Data1 = 0.0 | | OK | 0 | Sithembile Xulu 416253 06.05.2025 | 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 | | Sithembile Xulu 416253 06.05.2025 | Train |
| 10031 | R | Read Defined Variable [TT] (MPU1)FDCU_Status = 17.0 | | OK | 17 | Sithembile Xulu 416253 06.05.2025 | Train |
| 10032 | A | Simulate a fire by spraying the gas on the fire detection unit 67A2 on TC1 car for at least 1s | | OK | | Sithembile Xulu 416253 06.05.2025 | Train |
| 10033 | R | The CCTV footage showing TC1 saloon where the fire was detected is shown on the DDU | | OK | | Sithembile Xulu 416253 06.05.2025 | Train |
| 10034 | R | 67H1 becomes "ON" on the Alarm Module and the DDU also shows the fire location | | OK | | Sithembile Xulu 416253 06.05.2025 | Train |
| 10035 | R | HVAC stop working in TC1 saloon. | | OK | | Sithembile Xulu | Train |

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| | | | | | | 416253 06.05.2025 | |
| 10036 | R | Read Defined Variable [TT] (MPU1)FDCU_Status = 49.0 | OK | 49 | | Sithembile Xulu 416253 06.05.2025 | Train |
| 10037 | R | Read Defined Variable [TT] (MPU1)FDCU_Data1 = 2.0 | OK | 2 | | Sithembile Xulu 416253 06.05.2025 | Train |
| 10038 | A | Reset the fire detection loop on the DDU | OK | | | Sithembile Xulu 416253 06.05.2025 | Train |
| 10039 | R | HVAC starts working in TC1 saloon | OK | | | Sithembile Xulu 416253 06.05.2025 | Train |
| 10040 | R | Camera footage disappears from the DDU screen | OK | | | Sithembile Xulu 416253 06.05.2025 | Train |
| 10041 | R | Read Defined Variable [TT] (MPU1)FDCU_Data1 = 0.0 | OK | 0 | | Sithembile Xulu 416253 06.05.2025 | Train |
| 10042 | R | Read Defined Variable [TT] (MPU1)FDCU_Status = 17.0 | OK | 17 | | Sithembile Xulu 416253 06.05.2025 | Train |
| 10043 | A | Simulate a fire by spraying the gas on the fire detection unit 67A3 on TC1 car for at least 1s | OK | | | Sithembile Xulu 416253 06.05.2025 | Train |
| 10044 | R | The CCTV footage showing TC1 saloon where the fire was detected is shown on the DDU | OK | | | Sithembile Xulu 416253 06.05.2025 | Train |
| 10045 | R | 67H1 becomes "ON" on the Alarm Module and the DDU also shows the fire location | OK | | | Sithembile Xulu 416253 06.05.2025 | Train |
| 10046 | R | HVAC stop working in TC1 saloon | OK | | | Sithembile Xulu 416253 06.05.2025 | Train |
| 10047 | R | Read Defined Variable [TT] (MPU1)FDCU_Status = 49.0 | OK | 49 | | Sithembile Xulu 416253 06.05.2025 | Train |
| 10048 | R | Read Defined Variable [TT] (MPU1)FDCU_Data1 = 4.0 | OK | 4 | | Sithembile Xulu 416253 06.05.2025 | Train |
| 10049 | A | Reset the fire detection loop on the DDU | OK | | | Sithembile Xulu 416253 06.05.2025 | Train |
| 10050 | R | HVAC starts working in TC1 saloon | OK | | | Sithembile Xulu 416253 06.05.2025 | Train |
| 10051 | R | Camera footage disappears from the DDU screen | OK | | | Sithembile Xulu 416253 06.05.2025 | Train |
| 10052 | R | Read Defined Variable [TT] (MPU1)FDCU_Data1 = 0.0 | OK | 0 | | Sithembile Xulu 416253 06.05.2025 | Train |
| 10053 | R | Read Defined Variable [TT] (MPU1)FDCU_Status = 17.0 | OK | 17 | | Sithembile Xulu 416253 06.05.2025 | Train |

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| 10054 | I | M4 car Test | | OK | | Sithembile Xulu 416253 06.05.2025 | Train |
| 10055 | A | Simulate a fire by spraying the gas on the fire detection unit 67A2 on M4 car for at least 1s | | OK | | Sithembile Xulu 416253 06.05.2025 | Train |
| 10056 | R | The CCTV footage showing M4 saloon where the fire was detected is shown on the DDU | | OK | | Sithembile Xulu 416253 06.05.2025 | Train |
| 10057 | R | 67H1 becomes "ON" on the Alarm Module and the DDU also shows the fire location | | OK | | Sithembile Xulu 416253 06.05.2025 | Train |
| 10058 | R | HVAC unit stop in M4 saloon. | | OK | | Sithembile Xulu 416253 06.05.2025 | Train |
| 10059 | R | Read Defined Variable [TT] (MPU1)FDCU_Status = 49.0 | | OK | 49 | Sithembile Xulu 416253 06.05.2025 | Train |
| 10060 | R | Read Defined Variable [TT] (MPU1)FDCU_Data1 = 32.0 | | OK | 32 | Sithembile Xulu 416253 06.05.2025 | Train |
| 10061 | A | Reset the fire detection loop on the DDU | | OK | | Sithembile Xulu 416253 06.05.2025 | Train |
| 10062 | R | HVAC starts working in the saloon | | OK | | Sithembile Xulu 416253 06.05.2025 | Train |
| 10063 | R | Camera footage disappears from the DDU screen | | OK | | Sithembile Xulu 416253 06.05.2025 | Train |
| 10064 | R | Read Defined Variable [TT] (MPU1)FDCU_Data1 = 0.0 | | OK | 0 | Sithembile Xulu 416253 06.05.2025 | Train |
| 10065 | R | Read Defined Variable [TT] (MPU1)FDCU_Status = 17.0 | | OK | 17 | Sithembile Xulu 416253 06.05.2025 | Train |
| 10066 | A | Simulate a fire by spraying the gas on the fire detection unit 67A3 on M4 car for at least 1s | | OK | | Sithembile Xulu 416253 06.05.2025 | Train |
| 10067 | R | The CCTV footage showing M4 saloon where the fire was detected is shown on the DDU | | OK | | Sithembile Xulu 416253 06.05.2025 | Train |
| 10068 | R | 67H1 becomes "ON" on the Alarm Module and the DDU also shows the fire location | | OK | | Sithembile Xulu 416253 06.05.2025 | Train |
| 10069 | R | HVAC stop working in the saloon | | OK | | Sithembile Xulu 416253 06.05.2025 | Train |
| 10070 | R | Read Defined Variable [TT] (MPU1)FDCU_Status = 49.0 | | OK | 49 | Sithembile Xulu 416253 06.05.2025 | Train |
| 10071 | R | Read Defined Variable [TT] (MPU1)FDCU_Data1 = 64.0 | | OK | 64 | Sithembile Xulu 416253 06.05.2025 | Train |
| 10072 | A | Reset the fire detection loop on the DDU | | OK | | Sithembile Xulu 416253 | Train |

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| 10073 | R | HVAC starts working in M4 saloon | | OK | | Sithembile Xulu 416253 06.05.2025 | Train |
| 10074 | R | Camera footage disappears from the DDU screen | | OK | | Sithembile Xulu 416253 06.05.2025 | Train |
| 10075 | R | Read Defined Variable [TT] (MPU1)FDCU_Data1 = 0.0 | | OK | 0 | Sithembile Xulu 416253 06.05.2025 | Train |
| 10076 | R | Read Defined Variable [TT] (MPU1)FDCU_Status = 17.0 | | OK | 17 | Sithembile Xulu 416253 06.05.2025 | Train |
| 10077 | I | M1 car | | OK | | Sithembile Xulu 416253 06.05.2025 | Train |
| 10078 | A | Simulate a fire by spraying the gas on the fire detection unit 67A2 on M1 car for at least 1s | | OK | | Sithembile Xulu 416253 06.05.2025 | Train |
| 10079 | R | The CCTV footage showing M1 saloon where the fire was detected is shown on the DDU | | OK | | Sithembile Xulu 416253 06.05.2025 | Train |
| 10080 | R | 67H1 becomes "ON" on the Alarm Module and the DDU also shows the fire location | | OK | | Sithembile Xulu 416253 06.05.2025 | Train |
| 10081 | R | HVAC stop working on M1 | | OK | | Sithembile Xulu 416253 06.05.2025 | Train |
| 10082 | R | Read Defined Variable [TT] (MPU1)FDCU_Status = 49.0 | | OK | 49 | Sithembile Xulu 416253 06.05.2025 | Train |
| 10083 | R | Read Defined Variable [TT] (MPU1)FDCU_Data1 = 256.0 | | OK | 256 | Sithembile Xulu 416253 06.05.2025 | Train |
| 10084 | A | Reset the fire detection loop on the DDU | | OK | | Sithembile Xulu 416253 06.05.2025 | Train |
| 10085 | R | HVAC starts working in M1 saloon | | OK | | Sithembile Xulu 416253 06.05.2025 | Train |
| 10086 | R | Camera footage disappears from the DDU screen | | OK | | Sithembile Xulu 416253 06.05.2025 | Train |
| 10087 | R | Read Defined Variable [TT] (MPU1)FDCU_Data1 = 0.0 | | OK | 0 | Sithembile Xulu 416253 06.05.2025 | Train |
| 10088 | R | Read Defined Variable [TT] (MPU1)FDCU_Status = 17.0 | | OK | 17 | Sithembile Xulu 416253 06.05.2025 | Train |
| 10089 | A | Simulate a fire by spraying the gas on the fire detection unit 67A3 on M1 car for at least 1s | | OK | | Sithembile Xulu 416253 06.05.2025 | Train |
| 10090 | R | The CCTV footage showing M1 saloon where the fire was detected is shown on the DDU | | OK | | Sithembile Xulu 416253 06.05.2025 | Train |

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| 10091 | R | 67H1 becomes "ON" on the Alarm Module and the DDU also shows the fire location | OK | | Sithembile Xulu 416253 06.05.2025 | Train |
| 10092 | R | HVAC stop working in M1 saloon. | OK | | Sithembile Xulu 416253 06.05.2025 | Train |
| 10093 | R | Read Defined Variable [TT] (MPU1)FDCU_Status = 49.0 | OK | 49 | Sithembile Xulu 416253 06.05.2025 | Train |
| 10094 | R | Read Defined Variable [TT] (MPU1)FDCU_Data1 = 512.0 | OK | 512 | Sithembile Xulu 416253 06.05.2025 | Train |
| 10095 | A | Reset the fire detection loop on the DDU | OK | | Sithembile Xulu 416253 06.05.2025 | Train |
| 10096 | R | HVAC starts working in M1 saloon | OK | | Sithembile Xulu 416253 06.05.2025 | Train |
| 10097 | R | Camera footage disappears from the DDU screen | OK | | Sithembile Xulu 416253 06.05.2025 | Train |
| 10098 | R | Read Defined Variable [TT] (MPU1)FDCU_Data1 = 0.0 | OK | 0 | Sithembile Xulu 416253 06.05.2025 | Train |
| 10099 | R | Read Defined Variable [TT] (MPU1)FDCU_Status = 17.0 | OK | 17 | Sithembile Xulu 416253 06.05.2025 | Train |
| 10100 | I | M2 car Test | OK | | Sithembile Xulu 416253 06.05.2025 | Train |
| 10101 | A | Simulate a fire by spraying the gas on the fire detection unit 67A3 on M2 for at least 1s | OK | | Sithembile Xulu 416253 06.05.2025 | Train |
| 10102 | R | The CCTV footage showing M2 saloon where the fire was detected is shown on the DDU | OK | | Sithembile Xulu 416253 06.05.2025 | Train |
| 10103 | R | 67H1 becomes "ON" on the Alarm Module and the DDU also shows the fire location | OK | | Sithembile Xulu 416253 06.05.2025 | Train |
| 10104 | R | HVAC stop working in M2 | OK | | Sithembile Xulu 416253 06.05.2025 | Train |
| 10105 | R | Read Defined Variable [TT] (MPU1)FDCU_Status = 49.0 | OK | 49 | Sithembile Xulu 416253 06.05.2025 | Train |
| 10106 | R | Read Defined Variable [TT] (MPU1)FDCU_Data1 = 4096.0 | OK | 4096 | Sithembile Xulu 416253 06.05.2025 | Train |
| 10107 | A | Reset the fire detection loop on the DDU | OK | | Sithembile Xulu 416253 06.05.2025 | Train |
| 10108 | R | HVAC starts working in M2 | OK | | Sithembile Xulu 416253 06.05.2025 | Train |
| 10109 | R | Camera footage disappears from DDU screen | OK | | Sithembile Xulu 416253 | Train |

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| 10110 | R | Read Defined Variable [TT] (MPU1)FDCU_Data1 = 0.0 | OK | 0 | | Sithembile Xulu 416253 06.05.2025 | Train |
| 10111 | R | Read Defined Variable [TT] (MPU1)FDCU_Status = 17.0 | OK | 17 | | Sithembile Xulu 416253 06.05.2025 | Train |
| 10112 | A | Simulate a fire by spraying the gas on the fire detection unit 67A2 on M2 for at least 1s | OK | | | Sithembile Xulu 416253 06.05.2025 | Train |
| 10113 | R | The CCTV footage showing M2 saloon where the fire was detected is shown on the DDU | OK | | | Sithembile Xulu 416253 06.05.2025 | Train |
| 10114 | R | 67H1 becomes "ON" on the Alarm Module and the DDU also shows the fire location | OK | | | Sithembile Xulu 416253 06.05.2025 | Train |
| 10115 | R | HVAC stop working | OK | | | Sithembile Xulu 416253 06.05.2025 | Train |
| 10116 | R | Read Defined Variable [TT] (MPU1)FDCU_Status = 49.0 | OK | 49 | | Sithembile Xulu 416253 06.05.2025 | Train |
| 10117 | R | Read Defined Variable [TT] (MPU1)FDCU_Data1 = 2048.0 | OK | 2048 | | Sithembile Xulu 416253 06.05.2025 | Train |
| 10118 | A | Reset the fire detection loop on the DDU | OK | | | Sithembile Xulu 416253 06.05.2025 | Train |
| 10119 | R | HVAC starts working in M2 | OK | | | Sithembile Xulu 416253 06.05.2025 | Train |
| 10120 | R | Camera footage disappears from the DDU screen | OK | | | Sithembile Xulu 416253 06.05.2025 | Train |
| 10121 | R | Read Defined Variable [TT] (MPU1)FDCU_Data1 = 0.0 | OK | 0 | | Sithembile Xulu 416253 06.05.2025 | Train |
| 10122 | R | Read Defined Variable [TT] (MPU1)FDCU_Status = 17.0 | OK | 17 | | Sithembile Xulu 416253 06.05.2025 | Train |
| 10123 | I | M3 car Test | OK | | | Sithembile Xulu 416253 06.05.2025 | Train |
| 10124 | A | Simulate a fire by spraying the gas on the fire detection unit 67A3 on M3 for at least 1s | OK | | | Sithembile Xulu 416253 06.05.2025 | Train |
| 10125 | R | The CCTV footage showing M3 saloon where the fire was detected is shown on the DDU | OK | | | Sithembile Xulu 416253 06.05.2025 | Train |
| 10126 | R | 67H1 becomes "ON" on the Alarm Module and the DDU also shows the fire location | OK | | | Sithembile Xulu 416253 06.05.2025 | Train |
| 10127 | R | HVAC stop working in M3 | OK | | | Sithembile Xulu 416253 06.05.2025 | Train |

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| 10128 | R | Read Defined Variable [TT] (MPU1)FDCU_Status = 49.0 | OK | 49 | Sithembile Xulu 416253 06.05.2025 | Train |
| 10129 | R | Read Defined Variable [TT] (MPU1)FDCU_Data1 = 32768.0 | OK | 32768 | Sithembile Xulu 416253 06.05.2025 | Train |
| 10130 | A | Reset the fire detection loop on the DDU | OK | | Sithembile Xulu 416253 06.05.2025 | Train |
| 10131 | R | HVAC starts working in M3 | OK | | Sithembile Xulu 416253 06.05.2025 | Train |
| 10132 | R | Camera footage disappears from the DDU screen | OK | | Sithembile Xulu 416253 06.05.2025 | Train |
| 10133 | R | Read Defined Variable [TT] (MPU1)FDCU_Data1 = 0.0 | OK | 0 | Sithembile Xulu 416253 06.05.2025 | Train |
| 10134 | R | Read Defined Variable [TT] (MPU1)FDCU_Status = 17.0 | OK | 17 | Sithembile Xulu 416253 06.05.2025 | Train |
| 10135 | A | Simulate a fire by spraying the gas on the fire detection unit 67A2 on M3 for at least 1s | OK | | Sithembile Xulu 416253 06.05.2025 | Train |
| 10136 | R | The CCTV footage showing M3 saloon where the fire was detected is shown on the DDU | OK | | Sithembile Xulu 416253 06.05.2025 | Train |
| 10137 | R | 67H1 becomes "ON" on the Alarm Module and the DDU also shows the fire location | OK | | Sithembile Xulu 416253 06.05.2025 | Train |
| 10138 | R | HVAC stop working in M3 | OK | | Sithembile Xulu 416253 06.05.2025 | Train |
| 10139 | R | Read Defined Variable [TT] (MPU1)FDCU_Status = 49.0 | OK | 49 | Sithembile Xulu 416253 06.05.2025 | Train |
| 10140 | R | Read Defined Variable [TT] (MPU1)FDCU_Data1 = 16384.0 | OK | 16384 | Sithembile Xulu 416253 06.05.2025 | Train |
| 10141 | A | Reset the fire detection loop on the DDU | OK | | Sithembile Xulu 416253 06.05.2025 | Train |
| 10142 | R | HVAC starts working in M3 | OK | | Sithembile Xulu 416253 06.05.2025 | Train |
| 10143 | R | Camera footage disappears from the DDU screen | OK | | Sithembile Xulu 416253 06.05.2025 | Train |
| 10144 | R | Read Defined Variable [TT] (MPU1)FDCU_Data1 = 0.0 | OK | 0 | Sithembile Xulu 416253 06.05.2025 | Train |
| 10145 | R | Read Defined Variable [TT] (MPU1)FDCU_Status = 17.0 | OK | 17 | Sithembile Xulu 416253 06.05.2025 | Train |
| 10146 | I | TC2 | OK | | Sithembile Xulu 416253 | Train |

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| 10147 | A | Simulate a fire by spraying the gas on the fire detection unit 67A3 on TC2 for at least 1s | | OK | | Sithembile Xulu 416253 06.05.2025 | Train |
| 10148 | R | The CCTV footage showing TC2 saloon where the fire was detected is shown on the DDU | | OK | | Sithembile Xulu 416253 06.05.2025 | Train |
| 10149 | R | 67H1 becomes "ON" on the Alarm Module and the DDU also shows the fire location | | OK | | Sithembile Xulu 416253 06.05.2025 | Train |
| 10150 | R | HVAC stops working in TC2 saloon | | OK | | Sithembile Xulu 416253 06.05.2025 | Train |
| 10151 | R | Read Defined Variable [TT] (MPU1)FDCU_Status = 49.0 | | OK | 49 | Sithembile Xulu 416253 06.05.2025 | Train |
| 10152 | R | Read Defined Variable [TT] (MPU1)FDCU_Data1 = 524288.0 | | OK | 524288 | Sithembile Xulu 416253 06.05.2025 | Train |
| 10153 | A | Reset the fire detection loop on the DDU | | OK | | Sithembile Xulu 416253 06.05.2025 | Train |
| 10154 | R | HVAC starts working in TC2 | | OK | | Sithembile Xulu 416253 06.05.2025 | Train |
| 10155 | R | Camera footage disappears from the DDU screen | | OK | | Sithembile Xulu 416253 06.05.2025 | Train |
| 10156 | R | Read Defined Variable [TT] (MPU1)FDCU_Data1 = 0.0 | | OK | 0 | Sithembile Xulu 416253 06.05.2025 | Train |
| 10157 | R | Read Defined Variable [TT] (MPU1)FDCU_Status = 17.0 | | OK | 17 | Sithembile Xulu 416253 06.05.2025 | Train |
| 10158 | A | Simulate a fire by spraying the gas on the fire detection unit 67A2 on TC2 for at least 1s | | OK | | Sithembile Xulu 416253 06.05.2025 | Train |
| 10159 | R | The CCTV footage showing TC2 saloon where the fire was detected is shown on the DDU | | OK | | Sithembile Xulu 416253 06.05.2025 | Train |
| 10160 | R | 67H1 becomes "ON" on the Alarm Module and the DDU also shows the fire location | | OK | | Sithembile Xulu 416253 06.05.2025 | Train |
| 10161 | R | HVAC stops working in TC2 saloon | | OK | | Sithembile Xulu 416253 06.05.2025 | Train |
| 10162 | R | Read Defined Variable [TT] (MPU1)FDCU_Status = 49.0 | | OK | 49 | Sithembile Xulu 416253 06.05.2025 | Train |
| 10163 | R | Read Defined Variable [TT] (MPU1)FDCU_Data1 = 262144.0 | | OK | 262144 | Sithembile Xulu 416253 06.05.2025 | Train |
| 10164 | A | Reset the fire detection loop on the DDU | | OK | | Sithembile Xulu 416253 06.05.2025 | Train |

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| 10165 | R | HVAC starts working in TC2 | | OK | | Sithembile Xulu 416253 06.05.2025 | Train |
| 10166 | R | Camera footage disappears from the DDU screen | | OK | | Sithembile Xulu 416253 06.05.2025 | Train |
| 10167 | R | Read Defined Variable [TT] (MPU1)FDCU_Data1 = 0.0 | | OK | 0 | Sithembile Xulu 416253 06.05.2025 | Train |
| 10168 | R | Read Defined Variable [TT] (MPU1)FDCU_Status = 17.0 | | OK | 17 | Sithembile Xulu 416253 06.05.2025 | Train |
| 10169 | A | Simulate a fire by spraying the gas on the fire detection unit 67A4 on TC2 cab for at least 1s | | OK | | Sithembile Xulu 416253 06.05.2025 | Train |
| 10170 | R | 67H1 becomes "ON" on the Alarm Module of TC2 and TC1, and the DDU also shows the fire location | | OK | | Sithembile Xulu 416253 06.05.2025 | Train |
| 10171 | R | HVAC stops working in TC2 saloon | | OK | | Sithembile Xulu 416253 06.05.2025 | Train |
| 10172 | R | Read Defined Variable [TT] (MPU1)FDCU_Status = 49.0 | | OK | 49 | Sithembile Xulu 416253 06.05.2025 | Train |
| 10173 | R | Read Defined Variable [TT] (MPU1)FDCU_Data1 = 131072.0 | | OK | 131072 | Sithembile Xulu 416253 06.05.2025 | Train |
| 10174 | A | Reset the fire detection loop on the DDU | | OK | | Sithembile Xulu 416253 06.05.2025 | Train |
| 10175 | R | HVAC starts working in TC2 | | OK | | Sithembile Xulu 416253 06.05.2025 | Train |
| 10176 | R | Read Defined Variable [TT] (MPU1)FDCU_Data1 = 0.0 | | OK | 0 | Sithembile Xulu 416253 06.05.2025 | Train |
| 10177 | R | Read Defined Variable [TT] (MPU1)FDCU_Status = 17.0 | | OK | 17 | Sithembile Xulu 416253 06.05.2025 | Train |
| 10178 | I | Fire Detection Simulation Underframe | ✘ | OK | | Sithembile Xulu 416253 06.05.2025 | Train |
| 10179 | I | TC2 ACU Test | | OK | | Mlungisi Madela 529927 06.05.2025 | Train |
| 10180 | A | Toggle the switch to activate a fire in the ACU | | OK | | Mlungisi Madela 529927 06.05.2025 | Train |
| 10181 | R | 67H1 becomes "ON" on the Alarm Module and the DDU also shows the fire location | | OK | | Mlungisi Madela 529927 06.05.2025 | Train |
| 10182 | R | Read Undefined Variable [TT] (MPU1)FDCU_Data1 | | OK | 0 | Nokuzola Mdluli 491469 12.05.2025 | Train |
| 10183 | R | Read Defined Variable [TT] (MPU1)li_hsc_m1hscbopenr1 = 0.0 | | OK | 0 | Mphato Mphahlele 480716 | Train |

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| 10184 | R | Read Defined Variable [TT] (MPU1)li_hsc_m2hscbopenr1 = 1.0 | OK | 1 | Mlungisi Madela 529927 06.05.2025 | Train | |
| 10185 | A | Remove the switch and put back the cover | OK | | Mlungisi Madela 529927 06.05.2025 | Train | |
| 10186 | A | Reset the fire detection loop from the DDU | OK | | Mlungisi Madela 529927 06.05.2025 | Train | |
| 10187 | R | Read Defined Variable [TT] (MPU1)FDCU_Data1 = 0.0 | OK | 0 | Mlungisi Madela 529927 06.05.2025 | Train | |
| 10188 | R | Read Defined Variable [TT] (MPU1)FDCU_Status = 17.0 | OK | 17 | Mlungisi Madela 529927 06.05.2025 | Train | |
| 10189 | I | M3 car propulsion box | OK | | Mlungisi Madela 529927 06.05.2025 | Train | |
| 10190 | A | Toggle the switch to activate a fire in M3 propulsion box | OK | | Mlungisi Madela 529927 06.05.2025 | Train | |
| 10191 | R | 67H1 becomes "ON" on the Alarm Module and the DDU also shows the fire location | OK | | Mlungisi Madela 529927 06.05.2025 | Train | |
| 10192 | R | Read Defined Variable [TT] (MPU1)FDCU_Data1 = 65536.0 | OK | 65536 | Mlungisi Madela 529927 06.05.2025 | Train | |
| 10193 | R | Confirm that the value above is 65536 | OK | | Mlungisi Madela 529927 06.05.2025 | Train | |
| 10194 | A | Remove the switch and put back the cover | OK | | Mlungisi Madela 529927 06.05.2025 | Train | |
| 10195 | A | Reset the fire detection loop from the DDU | OK | | Mlungisi Madela 529927 06.05.2025 | Train | |
| 10196 | R | Read Defined Variable [TT] (MPU1)FDCU_Data1 = 0.0 | OK | 0 | Mlungisi Madela 529927 06.05.2025 | Train | |
| 10197 | R | Read Defined Variable [TT] (MPU1)FDCU_Status = 17.0 | OK | 17 | Mlungisi Madela 529927 06.05.2025 | Train | |
| 10198 | I | M2 car propulsion box | OK | | Mlungisi Madela 529927 06.05.2025 | Train | |
| 10199 | A | Toggle the switch to activate a fire in M2 propulsion box | OK | | Mlungisi Madela 529927 06.05.2025 | Train | |
| 10200 | R | 67H1 becomes "ON" on the Alarm Module and the DDU also shows the fire location | OK | | Mlungisi Madela 529927 06.05.2025 | Train | |
| 10201 | R | Read Defined Variable [TT] (MPU1)FDCU_Data1 = 8192.0 | OK | 8192 | Mlungisi Madela 529927 06.05.2025 | Train | |

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|-------|---|--|--|----|------|---|-------|
| 10202 | A | Remove the switch and put back the cover | | OK | | Mlungisi Madela 529927 06.05.2025 | Train |
| 10203 | A | Reset the fire detection loop from the DDU | | OK | | Mlungisi Madela 529927 06.05.2025 | Train |
| 10204 | R | Read Defined Variable [TT] (MPU1)FDCU_Data1 = 0.0 | | OK | 0 | Mlungisi Madela 529927 06.05.2025 | Train |
| 10205 | R | Read Defined Variable [TT] (MPU1)FDCU_Status = 17.0 | | OK | 17 | Mlungisi Madela 529927 06.05.2025 | Train |
| 10206 | I | M1 car propulsion box | | OK | | Mlungisi Madela 529927 06.05.2025 | Train |
| 10207 | A | Toggle the switch to activate a fire in M1 propulsion box | | OK | | Mlungisi Madela 529927 06.05.2025 | Train |
| 10208 | R | 67H1 becomes "ON" on the Alarm Module and the DDU also shows the fire location | | OK | | Mlungisi Madela 529927 06.05.2025 | Train |
| 10209 | R | Read Defined Variable [TT] (MPU1)FDCU_Data1 = 1024.0 | | OK | 1024 | Mlungisi Madela 529927 06.05.2025 | Train |
| 10210 | R | Read Defined Variable [TT] (MPU1)li_hsc_m1hscbopenr1 = 1.0 | | OK | 1 | Mlungisi Madela 529927 06.05.2025 | Train |
| 10211 | A | Remove the switch and put back the cover | | OK | | Mlungisi Madela 529927 06.05.2025 | Train |
| 10212 | A | Reset the fire detection loop from the DDU | | OK | | Mlungisi Madela 529927 06.05.2025 | Train |
| 10213 | R | Read Defined Variable [TT] (MPU1)FDCU_Data1 = 0.0 | | OK | 0 | Mlungisi Madela 529927 06.05.2025 | Train |
| 10214 | R | Read Defined Variable [TT] (MPU1)FDCU_Status = 17.0 | | OK | 17 | Mlungisi Madela 529927 06.05.2025 | Train |
| 10215 | I | M4 Propulsion box | | OK | | Mlungisi Madela 529927 06.05.2025 | Train |
| 10216 | A | Toggle the switch to activate a fire in M4 Propulsion box | | OK | | Mlungisi Madela 529927 06.05.2025 | Train |
| 10217 | R | 67H1 becomes "ON" on the Alarm Module and the DDU also shows the fire location | | OK | | Mlungisi Madela 529927 06.05.2025 | Train |
| 10218 | R | Read Defined Variable [TT] (MPU1)FDCU_Data1 = 128.0 | | OK | 128 | Mlungisi Madela 529927 06.05.2025 | Train |
| 10219 | A | Remove the switch and put back the cover | | OK | | Mlungisi Madela 529927 06.05.2025 | Train |
| 10220 | A | Reset the fire detection loop from the DDU | | OK | | Mlungisi Madela 529927 | Train |

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| | | | | | | 06.05.2025 | |
| 10221 | R | Read Defined Variable [TT] (MPU1)FDCU_Data1 = 0.0 | | OK | 0 | Mlungisi Madela 529927 06.05.2025 | Train |
| 10222 | R | Read Defined Variable [TT] (MPU1)FDCU_Status = 17.0 | | OK | 17 | Mlungisi Madela 529927 06.05.2025 | Train |
| 10223 | I | TC1 ACU Test | | OK | | Mlungisi Madela 529927 06.05.2025 | Train |
| 10224 | A | Toggle the switch in TC1 to activate a fire in the ACU | | OK | | Mlungisi Madela 529927 06.05.2025 | Train |
| 10225 | R | 67H1 becomes "ON" on the Alarm Module and the DDU also shows the fire location | | OK | | Mlungisi Madela 529927 06.05.2025 | Train |
| 10226 | R | Read Defined Variable [TT] (MPU1)FDCU_Data1 = 16.0 | | OK | 16 | Mlungisi Madela 529927 06.05.2025 | Train |
| 10227 | A | Remove the switch and put back the cover | | OK | | Mlungisi Madela 529927 06.05.2025 | Train |
| 10228 | A | Reset the fire detection loop from the DDU | | OK | | Mlungisi Madela 529927 06.05.2025 | Train |
| 10229 | R | Read Defined Variable [TT] (MPU1)FDCU_Data1 = 0.0 | | OK | 0 | Mlungisi Madela 529927 06.05.2025 | Train |
| 10230 | R | Read Defined Variable [TT] (MPU1)FDCU_Status = 17.0 | | OK | 17 | Mlungisi Madela 529927 06.05.2025 | Train |
| 10231 | A | Close the HSCB | | OK | | Mlungisi Madela 529927 06.05.2025 | Train |
| 10232 | R | Read Defined Variable [TT] (MPU1)li_hsc_m1hscbopenr1 = 0.0 | | OK | 0 | Mlungisi Madela 529927 06.05.2025 | Train |
| 10233 | R | Read Defined Variable [TT] (MPU1)li_hsc_m2hscbopenr1 = 0.0 | | OK | 0 | Mlungisi Madela 529927 06.05.2025 | Train |
| 10234 | I | End of Test | | OK | | Mlungisi Madela 529927 06.05.2025 | Train |



Serial Tests Report
TS280 – TFS
RTR Train Functional Static Test Report

Document Reference
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Emission date
16/05/2025


Section 18 – Passenger Doors


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 | | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10002 | I | Initial Conditions | | OK | | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10003 | I | All doors should be closed | | OK | | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10004 | I | Speed less than 3km/h relay 61K3 is energized | | OK | | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10005 | I | Start of Test | | OK | | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10006 | I | Uploading procedure: | | OK | | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10007 | I | Follow the below instructions to upload software on all the doors |  | OK | | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10008 | I | Doors functional Test TC1 Cab | | OK | | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10009 | I | Door authorization not possible in non-active cab | | OK | | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10010 | A | Remove active cab on TC1 | | OK | | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10011 | A | Put the door authorization switch 50S7 to DRIVER mode | | OK | | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10012 | A | Press the AUTH LEFT button 50S5 | | OK | | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10013 | R | Door AUTH LEFT not possible, Lamp 50S5 is OFF | | OK | | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10014 | A | Press the OPEN LEFT button 50S1 | | OK | | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10015 | R | OPEN LEFT door not possible, Lamp 50S1 is OFF | | OK | | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10016 | A | Press the AUTH RIGHT button 50S6 | | OK | | Paseka Ditlhakanyane 491468 05.05.2025 | Train |

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|-------|---|---|---|----|---|--|-------|
| 10017 | R | Door AUTH RIGHT not possible, Lamp 50S6 is OFF | | OK | | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10018 | A | Press the OPEN RIGHT button 50S2 | | OK | | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10019 | R | OPEN RIGHT door not possible, Lamp 50S2 is OFF | | OK | | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10020 | I | Door authorization with active cab | | OK | | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10021 | A | Activate cab on TC1 | | OK | | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10022 | R | Read Defined Variable [TT] (MPU1)li_dor_tc1alldoorsclosedr1 = 0.0 | | OK | 0 | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10023 | A | Press and hold the AUTH LEFT button 50S5 | | OK | | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10024 | R | Read Defined Variable [TT] (MPU1)li_dor_tc1opendoorpleftr1 = 0.0 | | OK | 0 | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10025 | A | Press and hold the OPEN LEFT button 50S1 | | OK | | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10026 | R | Read Defined Variable [TT] (MPU1)lo_dor_tc1opendoorleft = 1.0 | | OK | 1 | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10027 | R | Read Defined Variable [TT] (MPU1)li_dor_tc1opendoorpleftr1 = 1.0 | | OK | 1 | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10028 | R | Check on DDU screen that all left doors are OPEN and in WHITE colour | | OK | | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10029 | R | Door safety loop is OPEN, lamp 51H1 is ON |  | OK | | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10030 | A | Press and hold the CLOSE LEFT button 50S3 | | OK | | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10031 | R | Read Defined Variable [TT] (MPU1)li_dor_tc1closedoorpleftr1 = 1.0 | | OK | 1 | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10032 | R | Read Defined Variable [TT] (MPU1)li_dor_tc1closedoorlineleft = 1.0 | | OK | 1 | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10033 | R | Lamp 51H1 is OFF | | OK | | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10034 | R | Check on the DDU screen that all left doors are closed and in blue colour | | OK | | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10035 | A | Press and hold the AUTH RIGHT button 50S6 | | OK | | Paseka Ditlhakanyane 491468 | Train |

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| 10036 | R | Lamp 50S6 is ON | | OK | | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10037 | R | Read Defined Variable [TT] (MPU1)li_dor_tc1authdoorpbright = 1.0 | | OK | 1 | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10038 | R | Read Defined Variable [TT] (MPU1)li_dor_tc1opendoorpbright = 0.0 | | OK | 0 | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10039 | A | Press and hold the OPEN RIGHT button 50S2 | | OK | | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10040 | R | Read Defined Variable [TT] (MPU1)lo_dor_tc1opendoorright = 1.0 | | OK | 1 | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10041 | R | Read Defined Variable [TT] (MPU1)lo_dor_tc1opendoorright = 1.0 | | OK | 1 | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10042 | R | Check on DDU screen that all right doors are OPEN | | OK | | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10043 | R | Door safety loop is OPEN, lamp 51H1 is ON |  | OK | | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10044 | A | Press and hold the button 50S4 to close all right doors | | OK | | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10045 | R | Read Defined Variable [TT] (MPU1)li_dor_tc1closedoorpbright = 1.0 | | OK | 1 | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10046 | R | Read Defined Variable [TT] (MPU1)li_dor_tc1closedoorlineright = 1.0 | | OK | 1 | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10047 | R | Lamp 51H1 is OFF | | OK | | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10048 | R | Check on the DDU screen that all right doors are closed and in blue colour | | OK | | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10049 | A | Press the AUTH LEFT button 50S5 | | OK | | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10050 | A | Press the OPEN LEFT button 50S1 | | OK | | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10051 | A | Press the AUTH RIGHT button 50S6 | | OK | | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10052 | A | Press the OPEN RIGHT button 50S2 | | OK | | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 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 | | Paseka Ditlhakanyane 491468 05.05.2025 | Train |

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|-------|---|---|----|--|-------|
| 10054 | A | Press the CLOSE LEFT button 50S3 | OK | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10055 | A | Press the CLOSE RIGHT button 50S4 | OK | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10056 | R | All doors are closed on the DDU screen | OK | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10057 | I | Train speed more than 3km/h TC1 | OK | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10058 | A | Open 61Q1 to switch OFF the OTDR | OK | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10059 | A | Press the AUTH LEFT button 50S5 | OK | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10060 | A | Press the OPEN LEFT button 50S1 | OK | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10061 | A | Press the AUTH RIGHT button 50S6 | OK | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10062 | A | Press the OPEN RIGHT button 50S2 | OK | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10063 | A | Force [TT] (BCU1)LO_SPEED_THRSLD1 = 0.0 | OK | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10064 | A | Force [TT] (BCU2)LO_SPEED_THRSLD1 = 0.0 | OK | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10065 | R | All left doors are closed | OK | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10066 | R | All right doors are closed | OK | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10067 | A | Press the AUTH LEFT button 50S5 | OK | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10068 | A | Press the OPEN LEFT button 50S1 | OK | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10069 | A | Press the AUTH RIGHT button 50S6 | OK | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10070 | A | Press the OPEN RIGHT button 50S2 | OK | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10071 | R | All doors remain closed | OK | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10072 | A | Release [TT] (BCU1)LO_SPEED_THRSLD1 | OK | Paseka Ditlhakanyane 491468 | Train |

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|-------|---|--|----|---|--|--|-------|
| 10073 | A | Release [TT] (BCU2)LO_SPEED_THRSLD1 | OK | | | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10074 | I | Doors functional Test TC2 Cab | OK | | | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10075 | I | Door authorization not possible in non-active cab | OK | | | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10076 | A | Press the AUTH LEFT button 50S5 | OK | | | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10077 | R | Door AUTH LEFT not possible, Lamp 50S5 is OFF | OK | | | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10078 | A | Press the OPEN LEFT button 50S1 | OK | | | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10079 | R | OPEN LEFT door is not possible, Lamp 50S1 is OFF | OK | | | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10080 | A | Press the AUTH RIGHT button 50S6 | OK | | | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10081 | R | Door AUTH RIGHT not possible, Lamp 50S6 is OFF | OK | | | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10082 | A | Press the OPEN RIGHT button 50S2 | OK | | | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10083 | R | OPEN RIGHT door not possible, Lamp 50S2 is OFF | OK | | | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10084 | I | Door authorization with active cab | OK | | | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10085 | A | Activate cab on TC2 | OK | | | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10086 | A | Set the door authorization switch 50S7 to DRIVER mode in LV1 | OK | | | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10087 | R | Read Defined Variable [TT] (MPU1)li_dor_tc2alldoorsclosedr1 = 0.0 | OK | 0 | | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10088 | A | Press and hold the AUTH LEFT button 50S5 | OK | | | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10089 | R | Read Defined Variable [TT] (MPU1)li_dor_tc2authdoorpleft = 1.0 | OK | 1 | | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10090 | R | Read Defined Variable [TT] (MPU1)li_dor_tc2opendoorpleftr1 = 0.0 | OK | 0 | | Paseka Ditlhakanyane 491468 05.05.2025 | Train |

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|-------|---|---|---|----|---|--|-------|
| 10091 | A | Press and hold the OPEN LEFT button 50S1 | | OK | | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10092 | R | Read Defined Variable [TT] (MPU1)lo_dor_tc2opendoorleft = 1.0 | | OK | 1 | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10093 | R | Read Defined Variable [TT] (MPU1)li_dor_tc2opendoorpleftr1 = 1.0 | | OK | 1 | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10094 | R | Check on DDU screen that all left doors are OPEN and in WHITE colour | | OK | | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10095 | I | Door safety loop is OPEN, lamp 51H1 is ON |  | OK | | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10096 | A | Press and hold the CLOSE LEFT button 50S3 | | OK | | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10097 | R | Read Defined Variable [TT] (MPU1)li_dor_tc2closedoorlineleft = 1.0 | | OK | 1 | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10098 | R | Read Defined Variable [TT] (MPU1)li_dor_tc2closedoorpleftr1 = 1.0 | | OK | 1 | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10099 | R | Lamp 51H1 is OFF | | OK | | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10100 | R | Check on the DDU screen that all left doors are closed and in blue colour | | OK | | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10101 | A | Press and hold and hold the AUTH RIGHT button 50S6 | | OK | | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10102 | R | Read Defined Variable [TT] (MPU1)li_dor_tc2authdoorpbright = 1.0 | | OK | 1 | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10103 | R | Read Defined Variable [TT] (MPU1)li_dor_tc2opendoorpbrighttr1 = 0.0 | | OK | 0 | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10104 | A | Press and hold the OPEN RIGHT button 50S2 | | OK | | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10105 | R | Read Defined Variable [TT] (MPU1)li_dor_tc2opendoorpbrighttr1 = 1.0 | | OK | 1 | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10106 | R | Check on DDU screen that all right doors are OPEN | | OK | | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10107 | I | Door safety loop is OPEN, lamp 51H1 is ON |  | OK | | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10108 | R | Press the CLOSE RIGHT button 50S4 | | OK | | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10109 | R | Read Defined Variable [TT] (MPU1)li_dor_tc2closedoorlineleft = 1.0 | | OK | 1 | Paseka Ditlhakanyane 491468 | Train |

| | | | | | | 05.05.2025 | |
|-------|---|--|----|---|--|--|-------|
| 10110 | R | Read Defined Variable [TT] (MPU1)li_dor_tc2closedoorpbrightr1 = 1.0 | OK | 1 | | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10111 | R | Lamp 51H1 is OFF | OK | | | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10112 | R | Check on the DDU screen that all right doors are closed and in blue colour | OK | | | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10113 | A | Press the AUTH LEFT button 50S5 | OK | | | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10114 | A | Press the OPEN LEFT button 50S1 | OK | | | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10115 | A | Press the AUTH RIGHT button 50S6 | OK | | | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10116 | A | Press the OPEN RIGHT button 50S2 | OK | | | Paseka Ditlhakanyane 491468 05.05.2025 | 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 | | | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10118 | A | Press the CLOSE LEFT button 50S3 | OK | | | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10119 | A | Press the CLOSE RIGHT button 50S4 | OK | | | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10120 | R | All doors are closed on the DDU screen | OK | | | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10121 | I | Train speed more than 3km/h TC2 | OK | | | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10122 | A | Open 61Q1 to switch OFF the OTDR | OK | | | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10123 | A | Press the AUTH LEFT button 50S5 | OK | | | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10124 | A | Press the OPEN LEFT button 50S1 | OK | | | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10125 | A | Press the AUTH RIGHT button 50S6 | OK | | | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10126 | A | Press the OPEN RIGHT button 50S2 | OK | | | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10127 | A | Force [TT] (BCU1)LO_SPEED_THRSLD1 = 0.0 | OK | | | Paseka Ditlhakanyane 491468 05.05.2025 | Train |

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| 10128 | A | Force [TT] (BCU2)LO_SPEED_THRSLD1 = 0.0 | OK | | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10129 | R | All left doors are closed | OK | | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10130 | R | All right doors are closed | OK | | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10131 | A | Press the AUTH LEFT button 50S5 | OK | | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10132 | A | Press the OPEN LEFT button 50S1 | OK | | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10133 | A | Press the AUTH RIGHT button 50S6 | OK | | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10134 | A | Press the OPEN RIGHT button 50S2 | OK | | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10135 | R | All doors remain closed | OK | | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10136 | A | Release [TT] (BCU1)LO_SPEED_THRSLD1 | OK | | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10137 | A | Release [TT] (BCU2)LO_SPEED_THRSLD1 | OK | | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10138 | A | Close 61Q1 circuit breaker | OK | | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10139 | I | Door Obstacle Detection | OK | | Paseka Ditlhakanyane 491468 05.05.2025 | 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 | | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10141 | A | Press the DOOR AUTH left button 50S5 | OK | | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10142 | A | Press the button 50S1 to open left doors | OK | | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10143 | A | Place an obstacle at the centre of any of the open doors | OK | | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10144 | A | Close the left doors | OK | | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10145 | I | The door with an obstacle will attempt to close 3 times | OK | | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10146 | R | The door with an obstacle appears in white colour on the DDU screen | OK | | Paseka Ditlhakanyane 491468 | Train |

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| 10147 | A | Remove the obstacle | | OK | | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10148 | A | Open and close left doors | | OK | | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10149 | R | The door which had the obstacle appears closed on the DDU and it's in blue colour | | OK | | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10150 | I | Door Manual Opening |  | OK | | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10151 | A | All doors should be closed including the door covers in each saloon | | OK | | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10152 | I | TC1 | | OK | | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10153 | A | Put the switch 50S7 in DRIVER mode | | OK | | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10154 | A | Try to manually open ALL TC1 DOORS | | OK | | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10155 | R | It is not possible to manually open any of the doors | | OK | | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10156 | A | Pull the PEA using the Force gauge while measuring the effort of the PEA | | OK | | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10157 | R | DOOR1 PEA effortResult Max : x <= 120 (N) | | OK | 115 | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10158 | R | DOOR2 PEA effortResult Max : x <= 120 (N) | | OK | 114 | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10159 | R | DOOR3 PEA effortResult Max : x <= 120 (N) | | OK | 116 | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10160 | R | DOOR4 PEA effortResult Max : x <= 120 (N) | | OK | 117 | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10161 | R | DOOR5 PEA effortResult Max : x <= 120 (N) | | OK | 114 | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10162 | R | DOOR6 PEA effortResult Max : x <= 120 (N) | | OK | 113 | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10163 | A | Manually open the doors | | OK | | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10164 | R | Doors opens freely | | OK | | Paseka Ditlhakanyane 491468 05.05.2025 | Train |

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| 10165 | A | Press AUTH LEFT BUTTON 50S5 | OK | | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10166 | A | Press AUTH RIGHT BUTTON 50S6 | OK | | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10167 | A | Press the OPEN LEFT button 50S1 | OK | | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10168 | A | Press the OPEN RIGHT button 50S2 | OK | | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10169 | R | Read Defined Variable [TT] (MPU1)lo_dor_tc1opendoorright = 1.0 | OK | 1 | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10170 | R | Read Defined Variable [TT] (MPU1)lo_dor_tc1opendoorleft = 1.0 | OK | 1 | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10171 | A | Press the CLOSE LEFT button 50S3 | OK | | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10172 | A | Press the CLOSE RIGHT button 50S4 | OK | | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10173 | R | The TC1 doors remains open | OK | | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10174 | A | Press the button 54S3 to acknowledge PEAs | OK | | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10175 | A | Reset the PEA using switch 44S6 | OK | | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10176 | A | Press AUTH LEFT BUTTON 50S5 | OK | | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10177 | A | Press AUTH RIGHT BUTTON 50S6 | OK | | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10178 | A | Press the OPEN LEFT button 50S1 | OK | | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10179 | A | Press the OPEN RIGHT button 50S2 | OK | | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10180 | A | Press the CLOSE LEFT button 50S3 | OK | | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10181 | A | Press the CLOSE RIGHT button 50S4 | OK | | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10182 | R | The TC1 doors closes | OK | | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10183 | A | Activate the lockout device on ALL TC1 Doors | OK | | Paseka Ditlhakanyane 491468 | Train |

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| 10184 | R | Doors of TC1 appear as OUT OF SERVICE on DDU screen | | OK | | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10185 | A | Try to manually open the doors | | OK | | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10186 | R | It is not possible to open any of the doors | | OK | | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10187 | A | Pull the PEAs | | OK | | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10188 | A | Try to manually open the doors | | OK | | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10189 | R | It is not possible to open any of the doors | | OK | | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10190 | A | Press AUTH LEFT BUTTON 50S5 | | OK | | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10191 | A | Press AUTH RIGHT BUTTON 50S6 | | OK | | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10192 | A | Press the OPEN LEFT button 50S1 | | OK | | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10193 | A | Press the OPEN RIGHT button 50S2 | | OK | | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10194 | R | All Train doors are open except for TC1 doors | | OK | | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10195 | A | Press the button 54S3 to acknowledge PEA | | OK | | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10196 | A | Release the lockout devices | | OK | | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10197 | A | Reset the PEAs using the switch 44S6 | | OK | | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10198 | A | Press the CLOSE LEFT button 50S3 | | OK | | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10199 | A | Press the CLOSE RIGHT button 50S4 | | OK | | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10200 | R | Doors appears as Closed on the DDU screen | | OK | | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10201 | R | Read Defined Variable [TT] (MPU1)li_dor_tc1alldoorsclosedr1 = 0.0 | | OK | 0 | Paseka Ditlhakanyane 491468 05.05.2025 | Train |

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| 10202 | I | M4 car | | OK | | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10203 | A | Try to manually open ALL M4 DOORS | | OK | | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10204 | R | It is not possible to manually open any of the doors | | OK | | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10205 | A | Pull the PEA using the Force gauge while measuring the effort of the PEA | | OK | | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10206 | R | DOOR1 PEA effortResult Max : x <= 120 (N) | | OK | 114 | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10207 | R | DOOR2 PEA effortResult Max : x <= 120 (N) | | OK | 116 | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10208 | R | DOOR3 PEA effortResult Max : x <= 120 (N) | | OK | 117 | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10209 | R | DOOR4 PEA effortResult Max : x <= 120 (N) | | OK | 114 | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10210 | R | DOOR5 PEA effortResult Max : x <= 120 (N) | | OK | 112 | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10211 | R | DOOR6 PEA effortResult Max : x <= 120 (N) | | OK | 112 | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10212 | A | Manually open the doors | | OK | | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10213 | R | Doors opens freely | | OK | | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10214 | A | Press AUTH LEFT BUTTON 50S5 | | OK | | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10215 | A | Press AUTH RIGHT BUTTON 50S6 | | OK | | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10216 | A | Press the OPEN LEFT button 50S1 | | OK | | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10217 | A | Press the OPEN RIGHT button 50S2 | | OK | | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10218 | R | Read Defined Variable [TT] (MPU1)lo_dor_m4opendoorright = 1.0 | | OK | 1 | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10219 | R | Read Defined Variable [TT] (MPU1)lo_dor_m4opendoorleft = 1.0 | | OK | 1 | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10220 | A | Press the CLOSE LEFT button 50S3 | | OK | | Paseka Ditlhakanyane 491468 | Train |

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| 10221 | A | Press the CLOSE RIGHT button 50S4 | | OK | | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10222 | R | The M4 doors remains open | | OK | | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10223 | A | Press the button 54S3 to acknowledge PEAs | | OK | | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10224 | A | Reset the PEA using switch 44S6 | | OK | | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10225 | A | Press AUTH LEFT BUTTON 50S5 | | OK | | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10226 | A | Press AUTH RIGHT BUTTON 50S6 | | OK | | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10227 | A | Press the OPEN LEFT button 50S1 | | OK | | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10228 | A | Press the OPEN RIGHT button 50S2 | | OK | | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10229 | A | Press the CLOSE LEFT button 50S3 | | OK | | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10230 | A | Press the CLOSE RIGHT button 50S4 | | OK | | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10231 | R | The M4 doors closes | | OK | | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10232 | A | Activate the lockout device on ALL M4 Doors | | OK | | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10233 | R | Doors of M4 appear as OUT OF SERVICE on DDU screen | | OK | | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10234 | A | Try to manually open the doors | | OK | | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10235 | R | It is not possible to open any of the doors | | OK | | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10236 | A | Pull the PEAs | | OK | | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10237 | A | Try to manually open the doors | | OK | | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10238 | R | It is not possible to open any of the doors | | OK | | Paseka Ditlhakanyane 491468 05.05.2025 | Train |

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| 10239 | A | Press AUTH LEFT BUTTON 50S5 | | OK | | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10240 | A | Press AUTH RIGHT BUTTON 50S6 | | OK | | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10241 | A | Press the OPEN LEFT button 50S1 | | OK | | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10242 | A | Press the OPEN RIGHT button 50S2 | | OK | | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10243 | R | All Train doors are open except for M4 doors | | OK | | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10244 | A | Press the button 54S3 to acknowledge PEA | | OK | | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10245 | A | Release the lockout devices | | OK | | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10246 | A | Reset the PEAs using the switch 44S6 | | OK | | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10247 | A | Press the CLOSE LEFT button 50S3 | | OK | | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10248 | A | Press the CLOSE RIGHT button 50S4 | | OK | | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10249 | R | Doors appears as Closed on the DDU screen | | OK | | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10250 | R | Read Defined Variable [TT] (MPU1)li_dor_tc1alldoorsclosedr1 = 0.0 | | OK | 0 | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10251 | I | M1 car | | OK | | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10252 | A | Try to manually open ALL M1 DOORS | | OK | | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10253 | R | It is not possible to manually open any of the doors | | OK | | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10254 | A | Pull the PEA using the Force gauge while measuring the effort of the PEA | | OK | | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10255 | R | DOOR1 PEA effortResult Max : x <= 120 (N) | | OK | 113 | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10256 | R | DOOR2 PEA effortResult Max : x <= 120 (N) | | OK | 114 | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10257 | R | DOOR3 PEA effortResult Max : x <= 120 (N) | | OK | 115 | Paseka Ditlhakanyane 491468 | Train |

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| 10258 | R | DOOR4 PEA effortResult Max : x <= 120 (N) | OK | 114 | | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10259 | R | DOOR5 PEA effortResult Max : x <= 120 (N) | OK | 114 | | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10260 | R | DOOR6 PEA effortResult Max : x <= 120 (N) | OK | 115 | | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10261 | A | Manually open the doors | OK | | | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10262 | R | Doors opens freely | OK | | | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10263 | A | Press AUTH LEFT BUTTON 50S5 | OK | | | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10264 | A | Press AUTH RIGHT BUTTON 50S6 | OK | | | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10265 | A | Press the OPEN LEFT button 50S1 | OK | | | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10266 | A | Press the OPEN RIGHT button 50S2 | OK | | | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10267 | R | Read Defined Variable [TT] (MPU1)lo_dor_m1opendoorright = 1.0 | OK | 1 | | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10268 | R | Read Defined Variable [TT] (MPU1)lo_dor_m2opendoorleft = 1.0 | OK | 1 | | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10269 | A | Press the CLOSE LEFT button 50S3 | OK | | | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10270 | A | Press the CLOSE RIGHT button 50S4 | OK | | | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10271 | R | The M1 doors remains open | OK | | | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10272 | A | Press the button 54S3 to acknowledge PEAs | OK | | | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10273 | A | Reset the PEA using switch 44S6 | OK | | | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10274 | A | Press AUTH LEFT BUTTON 50S5 | OK | | | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10275 | A | Press AUTH RIGHT BUTTON 50S6 | OK | | | Paseka Ditlhakanyane 491468 05.05.2025 | Train |

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| 10276 | A | Press the OPEN LEFT button 50S1 | OK | | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10277 | A | Press the OPEN RIGHT button 50S2 | OK | | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10278 | A | Press the CLOSE LEFT button 50S3 | OK | | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10279 | A | Press the CLOSE RIGHT button 50S4 | OK | | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10280 | R | The M1 doors closes | OK | | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10281 | A | Activate the lockout device on ALL M1 Doors | OK | | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10282 | R | Doors of M1 appear as OUT OF SERVICE on DDU screen | OK | | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10283 | A | Try to manually open the doors | OK | | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10284 | R | It is not possible to open any of the doors | OK | | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10285 | A | Pull the PEAs | OK | | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10286 | A | Try to manually open the doors | OK | | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10287 | R | It is not possible to open any of the doors | OK | | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10288 | A | Press AUTH LEFT BUTTON 50S5 | OK | | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10289 | A | Press AUTH RIGHT BUTTON 50S6 | OK | | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10290 | A | Press the OPEN LEFT button 50S1 | OK | | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10291 | A | Press the OPEN RIGHT button 50S2 | OK | | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10292 | R | All Train doors are open except for M1 doors | OK | | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10293 | A | Press the button 54S3 to acknowledge PEA | OK | | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10294 | A | Release the lockout devices | OK | | Paseka Ditlhakanyane 491468 | Train |

| | | | | | | 05.05.2025 | |
|-------|---|--|--|----|-----|--|-------|
| 10295 | A | Reset the PEAs using the switch 44S6 | | OK | | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10296 | A | Press the CLOSE LEFT button 50S3 | | OK | | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10297 | A | Press the CLOSE RIGHT button 50S4 | | OK | | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10298 | R | Doors appears as Closed on the DDU screen | | OK | | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10299 | R | Read Defined Variable [TT] (MPU1)li_dor_tc1alldoorsclosedr1 = 0.0 | | OK | 0 | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10300 | I | M2 car | | OK | | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10301 | A | Try to manually open ALL M2 DOORS | | OK | | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10302 | R | It is not possible to manually open any of the doors | | OK | | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10303 | A | Pull the PEA using the Force gauge while measuring the effort of the PEA | | OK | | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10304 | R | DOOR1 PEA effortResult Max : x <= 120 (N) | | OK | 114 | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10305 | R | DOOR2 PEA effortResult Max : x <= 120 (N) | | OK | 116 | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10306 | R | DOOR3 PEA effortResult Max : x <= 120 (N) | | OK | 114 | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10307 | R | DOOR4 PEA effortResult Max : x <= 120 (N) | | OK | 114 | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10308 | R | DOOR5 PEA effortResult Max : x <= 120 (N) | | OK | 116 | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10309 | R | DOOR6 PEA effortResult Max : x <= 120 (N) | | OK | 116 | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10310 | A | Manually open the doors | | OK | | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10311 | R | Doors opens freely | | OK | | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10312 | A | Press AUTH LEFT BUTTON 50S5 | | OK | | Paseka Ditlhakanyane 491468 05.05.2025 | Train |

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|-------|---|--|--|----|---|--|-------|
| 10313 | A | Press AUTH RIGHT BUTTON 50S6 | | OK | | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10314 | A | Press the OPEN LEFT button 50S1 | | OK | | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10315 | A | Press the OPEN RIGHT button 50S2 | | OK | | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10316 | R | Read Defined Variable [TT] (MPU1)lo_dor_m2opendoorright = 1.0 | | OK | 1 | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10317 | R | Read Defined Variable [TT] (MPU1)lo_dor_m2opendoorleft = 1.0 | | OK | 1 | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10318 | A | Press the CLOSE LEFT button 50S3 | | OK | | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10319 | A | Press the CLOSE RIGHT button 50S4 | | OK | | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10320 | R | The M2 doors remains open | | OK | | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10321 | A | Press the button 54S3 to acknowledge PEAs | | OK | | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10322 | A | Reset the PEA using switch 44S6 | | OK | | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10323 | A | Press AUTH LEFT BUTTON 50S5 | | OK | | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10324 | A | Press AUTH RIGHT BUTTON 50S6 | | OK | | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10325 | A | Press the OPEN LEFT button 50S1 | | OK | | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10326 | A | Press the OPEN RIGHT button 50S2 | | OK | | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10327 | A | Press the CLOSE LEFT button 50S3 | | OK | | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10328 | A | Press the CLOSE RIGHT button 50S4 | | OK | | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10329 | R | The M2 doors closes | | OK | | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10330 | A | Activate the lockout device on ALL M2 Doors | | OK | | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10331 | R | Doors of M2 appear as OUT OF SERVICE on DDU screen | | OK | | Paseka Ditlhakanyane 491468 | Train |

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|-------|---|--|--|----|---|--|-------|
| | | | | | | 05.05.2025 | |
| 10332 | A | Try to manually open the doors | | OK | | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10333 | R | It is not possible to open any of the doors | | OK | | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10334 | A | Pull the PEAs | | OK | | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10335 | A | Try to manually open the doors | | OK | | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10336 | R | It is not possible to open any of the doors | | OK | | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10337 | A | Press AUTH LEFT BUTTON 50S5 | | OK | | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10338 | A | Press AUTH RIGHT BUTTON 50S6 | | OK | | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10339 | A | Press the OPEN LEFT button 50S1 | | OK | | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10340 | A | Press the OPEN RIGHT button 50S2 | | OK | | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10341 | R | All Train doors are open except for M2 doors | | OK | | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10342 | A | Press the button 54S3 to acknowledge PEA | | OK | | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10343 | A | Release the lockout devices | | OK | | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10344 | A | Reset the PEAs using the switch 44S6 | | OK | | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10345 | A | Press the CLOSE LEFT button 50S3 | | OK | | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10346 | A | Press the CLOSE RIGHT button 50S4 | | OK | | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10347 | R | Doors appears as Closed on the DDU screen | | OK | | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10348 | R | Read Defined Variable [TT] (MPU1)li_dor_tc1alldoorsclosedr1 = 0.0 | | OK | 0 | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10349 | I | M3 car | | OK | | Paseka Ditlhakanyane 491468 05.05.2025 | Train |

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|-------|---|--|----|-----|--|-------|
| 10350 | A | Try to manually open ALL M3 DOORS | OK | | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10351 | R | It is not possible to manually open any of the doors | OK | | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10352 | A | Pull the PEA using the Force gauge while measuring the effort of the PEA | OK | | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10353 | R | DOOR1 PEA effortResult Max : x <= 120 (N) | OK | 116 | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10354 | R | DOOR2 PEA effortResult Max : x <= 120 (N) | OK | 115 | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10355 | R | DOOR3 PEA effortResult Max : x <= 120 (N) | OK | 114 | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10356 | R | DOOR4 PEA effortResult Max : x <= 120 (N) | OK | 116 | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10357 | R | DOOR5 PEA effortResult Max : x <= 120 (N) | OK | 115 | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10358 | R | DOOR6 PEA effortResult Max : x <= 120 (N) | OK | 117 | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10359 | A | Manually open the doors | OK | | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10360 | R | Doors opens freely | OK | | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10361 | A | Press AUTH LEFT BUTTON 50S5 | OK | | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10362 | A | Press AUTH RIGHT BUTTON 50S6 | OK | | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10363 | A | Press the OPEN LEFT button 50S1 | OK | | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10364 | A | Press the OPEN RIGHT button 50S2 | OK | | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10365 | R | Read Defined Variable [TT] (MPU1)lo_dor_m3opendoorright = 1.0 | OK | 1 | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10366 | R | Read Defined Variable [TT] (MPU1)lo_dor_m3opendoorleft = 1.0 | OK | 1 | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10367 | A | Press the CLOSE LEFT button 50S3 | OK | | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10368 | A | Press the CLOSE RIGHT button 50S4 | OK | | Paseka Ditlhakanyane 491468 | Train |

| | | | | | | 05.05.2025 | |
|-------|---|--|--|----|--|--|-------|
| 10369 | R | The M3 doors remains open | | OK | | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10370 | A | Press the button 54S3 to acknowledge PEAs | | OK | | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10371 | A | Reset the PEA using switch 44S6 | | OK | | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10372 | A | Press AUTH LEFT BUTTON 50S5 | | OK | | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10373 | A | Press AUTH RIGHT BUTTON 50S6 | | OK | | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10374 | A | Press the OPEN LEFT button 50S1 | | OK | | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10375 | A | Press the OPEN RIGHT button 50S2 | | OK | | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10376 | A | Press the CLOSE LEFT button 50S3 | | OK | | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10377 | A | Press the CLOSE RIGHT button 50S4 | | OK | | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10378 | R | The M3 doors closes | | OK | | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10379 | A | Activate the lockout device on ALL M3 Doors | | OK | | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10380 | R | Doors of M3 appear as OUT OF SERVICE on DDU screen | | OK | | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10381 | A | Try to manually open the doors | | OK | | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10382 | R | It is not possible to open any of the doors | | OK | | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10383 | A | Pull the PEAs | | OK | | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10384 | A | Try to manually open the doors | | OK | | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10385 | R | It is not possible to open any of the doors | | OK | | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10386 | A | Press AUTH LEFT BUTTON 50S5 | | OK | | Paseka Ditlhakanyane 491468 05.05.2025 | Train |

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|-------|---|--|--|----|-----|--|-------|
| 10387 | A | Press AUTH RIGHT BUTTON 50S6 | | OK | | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10388 | A | Press the OPEN LEFT button 50S1 | | OK | | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10389 | A | Press the OPEN RIGHT button 50S2 | | OK | | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10390 | R | All Train doors are open except for M3 doors | | OK | | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10391 | A | Press the button 54S3 to acknowledge PEA | | OK | | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10392 | A | Release the lockout devices | | OK | | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10393 | A | Reset the PEAs using the switch 44S6 | | OK | | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10394 | A | Press the CLOSE LEFT button 50S3 | | OK | | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10395 | A | Press the CLOSE RIGHT button 50S4 | | OK | | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10396 | R | Doors appears as Closed on the DDU screen | | OK | | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10397 | R | Read Defined Variable [TT] (MPU1)li_dor_tc1alldoorsclosedr1 = 0.0 | | OK | 0 | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10398 | I | TC2 car | | OK | | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10399 | A | Try to manually open ALL TC2 DOORS | | OK | | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10400 | R | It is not possible to manually open any of the doors | | OK | | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10401 | A | Pull the PEA using the Force gauge while measuring the effort of the PEA | | OK | | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10402 | R | DOOR1 PEA effortResult Max : x <= 120 (N) | | OK | 116 | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10403 | R | DOOR2 PEA effortResult Max : x <= 120 (N) | | OK | 114 | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10404 | R | DOOR3 PEA effortResult Max : x <= 120 (N) | | OK | 117 | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10405 | R | DOOR4 PEA effortResult Max : x <= 120 (N) | | OK | 116 | Paseka Ditlhakanyane 491468 | Train |

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|-------|---|--|----|-----|--|--|-------|
| 10406 | R | DOOR5 PEA effortResult Max : x <= 120 (N) | OK | 117 | | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10407 | R | DOOR6 PEA effortResult Max : x <= 120 (N) | OK | 115 | | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10408 | A | Manually open the doors | OK | | | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10409 | R | Doors opens freely | OK | | | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10410 | A | Press AUTH LEFT BUTTON 50S5 | OK | | | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10411 | A | Press AUTH RIGHT BUTTON 50S6 | OK | | | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10412 | A | Press the OPEN LEFT button 50S1 | OK | | | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10413 | A | Press the OPEN RIGHT button 50S2 | OK | | | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10414 | R | Read Defined Variable [TT] (MPU1)lo_dor_tc2opendoorright = 1.0 | OK | 1 | | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10415 | R | Read Defined Variable [TT] (MPU1)lo_dor_tc2opendoorleft = 1.0 | OK | 1 | | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10416 | A | Press the CLOSE LEFT button 50S3 | OK | | | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10417 | A | Press the CLOSE RIGHT button 50S4 | OK | | | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10418 | R | The TC2 doors remains open | OK | | | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10419 | A | Press the button 54S3 to acknowledge PEAs | OK | | | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10420 | A | Reset the PEA using switch 44S6 | OK | | | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10421 | A | Press AUTH LEFT BUTTON 50S5 | OK | | | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10422 | A | Press AUTH RIGHT BUTTON 50S6 | OK | | | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10423 | A | Press the OPEN LEFT button 50S1 | OK | | | Paseka Ditlhakanyane 491468 05.05.2025 | Train |

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|-------|---|---|----|--|-------|
| 10424 | A | Press the OPEN RIGHT button 50S2 | OK | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10425 | A | Press the CLOSE LEFT button 50S3 | OK | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10426 | A | Press the CLOSE RIGHT button 50S4 | OK | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10427 | R | The TC2 doors closes | OK | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10428 | A | Activate the lockout device on ALL TC2 Doors | OK | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10429 | R | Doors of TC2 appear as OUT OF SERVICE on DDU screen | OK | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10430 | A | Try to manually open the doors | OK | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10431 | R | It is not possible to open any of the doors | OK | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10432 | A | Pull the PEAs | OK | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10433 | A | Try to manually open the doors | OK | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10434 | R | It is not possible to open any of the doors | OK | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10435 | A | Press AUTH LEFT BUTTON 50S5 | OK | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10436 | A | Press AUTH RIGHT BUTTON 50S6 | OK | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10437 | A | Press the OPEN LEFT button 50S1 | OK | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10438 | A | Press the OPEN RIGHT button 50S2 | OK | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10439 | R | All Train doors are open except for TC2 doors | OK | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10440 | A | Press the button 54S3 to acknowledge PEA | OK | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10441 | A | Release the lockout devices | OK | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10442 | A | Reset the PEAs using the switch 44S6 | OK | Paseka Ditlhakanyane 491468 | Train |

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|-------|---|--|--|----|---|--|-------|
| 10443 | A | Press the CLOSE LEFT button 50S3 | | OK | | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10444 | A | Press the CLOSE RIGHT button 50S4 | | OK | | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10445 | R | Doors appears as Closed on the DDU screen | | OK | | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10446 | R | Read Defined Variable [TT] (MPU1)li_dor_tc1alldoorsclosedr1 = 0.0 | | OK | 0 | Paseka Ditlhakanyane 491468 05.05.2025 | Train |
| 10447 | I | Door cycle test | | OK | | Celiwe Sokhela 491462 09.05.2025 | 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 | | Celiwe Sokhela 491462 09.05.2025 | Train |
| 10449 | A | Check all the doors beep when opening and closing | | OK | | Celiwe Sokhela 491462 09.05.2025 | Train |
| 10450 | A | Check door lights are green when open for all doors | | OK | | Celiwe Sokhela 491462 09.05.2025 | Train |
| 10451 | A | Check door lights are red when closing from all doors | | OK | | Celiwe Sokhela 491462 09.05.2025 | Train |
| 10452 | A | Launch the door cycle test from the DDU | | OK | | Celiwe Sokhela 491462 09.05.2025 | 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 | | Celiwe Sokhela 491462 09.05.2025 | Train |
| 10454 | R | Door cycle test is successful | | OK | | Celiwe Sokhela 491462 09.05.2025 | Train |
| 10455 | I | End Test | | OK | | Celiwe Sokhela 491462 09.05.2025 | Train |



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| Serial Tests Report TS280 – TFS RTR Train Functional Static Test Report | Document Reference GIB0000008079 Version: A0 | Emission date 16/05/2025 |
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Section 19 – Traction Interlock

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 | | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10002 | I | Initial Conditions | | OK | | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10003 | I | The direction selector switch 30A1.S2 should be in NEUTRAL position | | OK | | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10004 | I | All doors should be closed | | OK | | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10005 | I | Emergency brake should be applied | | OK | | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10006 | I | PEA override switch should be in NORMAL position | | OK | | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10007 | I | Traction Interlock override switch 31S1 should be in NORMAL position | | OK | | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10008 | I | Backup mode switch 27S1 should be in NORMAL position | | OK | | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10009 | I | Start of Test | | OK | | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10010 | I | Traction Interlock TC1 | | OK | | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10011 | A | Active cab on TC1 | | OK | | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10012 | A | Force [TT] (MPU1)lo_drc_tc1tractionloopr1 = 1.0 | | OK | | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10013 | A | Force [TT] (MPU1)lo_drc_tc1tractionloopr2 = 1.0 | | OK | | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10014 | R | Read Defined Variable [TT] (MPU1)bcu1_tlnotinhib = 0.0 | | OK | 0 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10015 | R | Read Defined Variable [TT] (MPU1)BCU2_TINotInhib = 0.0 | | OK | 0 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10016 | R | Read Defined Variable [TT] (MPU1)TBCU1_TINotInhib = 0.0 | | OK | 0 | Alleta Sekgololo 417407 05.05.2025 | Train |

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| 10017 | R | Read Defined Variable [TT] (MPU1)TBCU2_tlnotinhib = 0.0 | OK | 0 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10018 | R | Read Defined Variable [TT] (MPU1)tbcu3_tlnotinhib = 0.0 | OK | 0 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10019 | R | Read Defined Variable [TT] (MPU1)tbcu4_tlnotinhib = 0.0 | OK | 0 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10020 | R | Read Defined Variable [TT] (MPU1)li_drc_tc1tractionauthorr1 = 1.0 | OK | 1 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10021 | R | Read Defined Variable [TT] (MPU1)li_drc_tc1tractionauthorr2 = 1.0 | OK | 1 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10022 | R | Read Defined Variable [TT] (MPU1)li_drc_tc1tractintoverrider1 = 0.0 | OK | 0 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10023 | R | Read Defined Variable [TT] (MPU1)li_drc_tc1tractintoverrider2 = 0.0 | OK | 0 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10024 | A | Put the direction selector switch 30A1.S2 should be in FORWARD position | OK | | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10025 | I | Emergency brake is released | OK | | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10026 | R | Read Defined Variable [TT] (MPU1)bcu1_tlnotinhib = 1.0 | OK | 1 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10027 | R | Read Defined Variable [TT] (MPU1)BCU2_TINotInhib = 1.0 | OK | 1 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10028 | R | Read Defined Variable [TT] (MPU1)TBCU1_TINotInhib = 1.0 | OK | 1 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10029 | R | Read Defined Variable [TT] (MPU1)TBCU2_tlnotinhib = 1.0 | OK | 1 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10030 | R | Read Defined Variable [TT] (MPU1)tbcu3_tlnotinhib = 1.0 | OK | 1 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10031 | R | Read Defined Variable [TT] (MPU1)tbcu4_tlnotinhib = 1.0 | OK | 1 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10032 | R | Read Defined Variable [TT] (MPU1)li_drc_tc1tractionauthorr1 = 0.0 | OK | 0 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10033 | R | Read Defined Variable [TT] (MPU1)li_drc_tc1tractionauthorr2 = 0.0 | OK | 0 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10034 | R | Read Defined Variable [TT] (MPU1)li_drc_tc1tractintoverrider1 = 0.0 | OK | 0 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10035 | R | Read Defined Variable [TT] (MPU1)li_drc_tc1tractintoverrider2 = 0.0 | OK | 0 | Alleta Sekgololo 417407 | Train |

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| | | | | | | 05.05.2025 | |
| 10036 | A | Put the direction selector switch 30A1.S2 should be in REVERSE position | OK | | | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10037 | I | Emergency brake is released | OK | | | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10038 | R | Read Defined Variable [TT] (MPU1)bcu1_tlnotinhib = 1.0 | OK | 1 | | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10039 | R | Read Defined Variable [TT] (MPU1)BCU2_TINotInhib = 1.0 | OK | 1 | | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10040 | R | Read Defined Variable [TT] (MPU1)TBCU1_TINotInhib = 1.0 | OK | 1 | | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10041 | R | Read Defined Variable [TT] (MPU1)TBCU2_tlnotinhib = 1.0 | OK | 1 | | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10042 | R | Read Defined Variable [TT] (MPU1)tbcu3_tlnotinhib = 1.0 | OK | 1 | | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10043 | R | Read Defined Variable [TT] (MPU1)tbcu4_tlnotinhib = 1.0 | OK | 1 | | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10044 | R | Read Defined Variable [TT] (MPU1)li_drc_tc1tractionauthorr1 = 0.0 | OK | 0 | | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10045 | R | Read Defined Variable [TT] (MPU1)li_drc_tc1tractionauthorr2 = 0.0 | OK | 0 | | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10046 | R | Read Defined Variable [TT] (MPU1)li_drc_tc1tractintoverrider1 = 0.0 | OK | 0 | | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10047 | R | Read Defined Variable [TT] (MPU1)li_drc_tc1tractintoverrider2 = 0.0 | OK | 0 | | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10048 | I | Traction interlock with Doors TC1 | OK | | | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10049 | A | Manually open any door | OK | | | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10050 | R | LED 51H1 is "ON" on alarm module | OK | | | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10051 | R | Read Defined Variable [TT] (MPU1)bcu1_tlnotinhib = 0.0 | OK | 0 | | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10052 | R | Read Defined Variable [TT] (MPU1)BCU2_TINotInhib = 0.0 | OK | 0 | | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10053 | R | Read Defined Variable [TT] (MPU1)TBCU1_TINotInhib = 0.0 | OK | 0 | | Alleta Sekgololo 417407 05.05.2025 | Train |

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| 10054 | R | Read Defined Variable [TT] (MPU1)TBCU2_tlnotinhib = 0.0 | OK | 0 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10055 | R | Read Defined Variable [TT] (MPU1)tbcu3_tlnotinhib = 0.0 | OK | 0 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10056 | R | Read Defined Variable [TT] (MPU1)tbcu4_tlnotinhib = 0.0 | OK | 0 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10057 | R | Read Defined Variable [TT] (MPU1)li_drc_tc1tractionauthorr1 = 1.0 | OK | 1 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10058 | R | Read Defined Variable [TT] (MPU1)li_drc_tc1tractionauthorr2 = 1.0 | OK | 1 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10059 | R | Read Defined Variable [TT] (MPU1)li_drc_tc1tractintoverrider1 = 0.0 | OK | 0 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10060 | R | Read Defined Variable [TT] (MPU1)li_drc_tc1tractintoverrider2 = 0.0 | OK | 0 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10061 | I | Simulate train speed of 5km/h contactor 61K2 is closed | OK | | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10062 | A | Energize point 41 of terminal block 93XT104_5 with 110V DC | OK | | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10063 | R | The opened door will automatically close | OK | | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10064 | R | Read Defined Variable [TT] (MPU1)bcu1_tlnotinhib = 1.0 | OK | 1 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10065 | R | Read Defined Variable [TT] (MPU1)BCU2_TINotInhib = 1.0 | OK | 1 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10066 | R | Read Defined Variable [TT] (MPU1)TBCU1_TINotInhib = 1.0 | OK | 1 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10067 | R | Read Defined Variable [TT] (MPU1)TBCU2_tlnotinhib = 1.0 | OK | 1 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10068 | R | Read Defined Variable [TT] (MPU1)tbcu3_tlnotinhib = 1.0 | OK | 1 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10069 | R | Read Defined Variable [TT] (MPU1)tbcu4_tlnotinhib = 1.0 | OK | 1 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10070 | R | Read Defined Variable [TT] (MPU1)li_drc_tc1tractionauthorr1 = 0.0 | OK | 0 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10071 | R | Read Defined Variable [TT] (MPU1)li_drc_tc1tractionauthorr2 = 0.0 | OK | 0 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10072 | R | Read Defined Variable [TT] (MPU1)li_drc_tc1tractintoverrider1 = 0.0 | OK | 0 | Alleta Sekgololo 417407 | Train |

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| | | | | | | 05.05.2025 | |
| 10073 | R | Read Defined Variable [TT] (MPU1)li_drc_tc1tractintoverrider2 = 0.0 | | OK | 0 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10074 | A | Activate any PEA | | OK | | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10075 | A | After 3 seconds press the button 44S5 | | OK | | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10076 | I | Speed is greater than 5km/h therefore all doors will remain closed | | OK | | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10077 | R | Door safety loop is closed, contactor 51K1 and 51K2 are energized | | OK | | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10078 | R | Read Defined Variable [TT] (MPU1)bcu1_tlnotinhib = 1.0 | | OK | 1 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10079 | R | Read Defined Variable [TT] (MPU1)BCU2_TINotInhib = 1.0 | | OK | 1 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10080 | R | Read Defined Variable [TT] (MPU1)TBCU1_TINotInhib = 1.0 | | OK | 1 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10081 | R | Read Defined Variable [TT] (MPU1)TBCU2_tlnotinhib = 1.0 | | OK | 1 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10082 | R | Read Defined Variable [TT] (MPU1)tbcu3_tlnotinhib = 1.0 | | OK | 1 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10083 | R | Read Defined Variable [TT] (MPU1)tbcu4_tlnotinhib = 1.0 | | OK | 1 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10084 | R | Read Defined Variable [TT] (MPU1)li_drc_tc1tractionauthorr1 = 0.0 | | OK | 0 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10085 | R | Read Defined Variable [TT] (MPU1)li_drc_tc1tractionauthorr2 = 0.0 | | OK | 0 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10086 | R | Read Defined Variable [TT] (MPU1)li_drc_tc1tractintoverrider1 = 0.0 | | OK | 0 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10087 | R | Read Defined Variable [TT] (MPU1)li_drc_tc1tractintoverrider2 = 0.0 | | OK | 0 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10088 | A | Reset PEA using switch 44S6 | | OK | | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10089 | R | Read Defined Variable [TT] (MPU1)bcu1_tlnotinhib = 1.0 | | OK | 1 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10090 | R | Read Defined Variable [TT] (MPU1)BCU2_TINotInhib = 1.0 | | OK | 1 | Alleta Sekgololo 417407 05.05.2025 | Train |

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| 10091 | R | Read Defined Variable [TT] (MPU1)TBCU1_TINotInhib = 1.0 | OK | 1 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10092 | R | Read Defined Variable [TT] (MPU1)TBCU2_tlnotinhib = 1.0 | OK | 1 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10093 | R | Read Defined Variable [TT] (MPU1)tbcu3_tlnotinhib = 1.0 | OK | 1 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10094 | R | Read Defined Variable [TT] (MPU1)tbcu4_tlnotinhib = 1.0 | OK | 1 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10095 | R | Read Defined Variable [TT] (MPU1)li_drc_tc1tractionauthorr1 = 0.0 | OK | 0 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10096 | R | Read Defined Variable [TT] (MPU1)li_drc_tc1tractionauthorr2 = 0.0 | OK | 0 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10097 | R | Read Defined Variable [TT] (MPU1)li_drc_tc1tractintoverrider1 = 0.0 | OK | 0 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10098 | R | Read Defined Variable [TT] (MPU1)li_drc_tc1tractintoverrider2 = 0.0 | OK | 0 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10099 | A | Remove 110V DC from terminal block 93XT104_5 point 41 | OK | | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10100 | A | Activate any PEA | OK | | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10101 | R | Door is unlocked and can be manually opened | OK | | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10102 | R | Read Defined Variable [TT] (MPU1)bcu1_tlnotinhib = 0.0 | OK | 0 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10103 | R | Read Defined Variable [TT] (MPU1)BCU2_TINotInhib = 0.0 | OK | 0 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10104 | R | Read Defined Variable [TT] (MPU1)TBCU1_TINotInhib = 0.0 | OK | 0 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10105 | R | Read Defined Variable [TT] (MPU1)TBCU2_tlnotinhib = 0.0 | OK | 0 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10106 | R | Read Defined Variable [TT] (MPU1)tbcu3_tlnotinhib = 0.0 | OK | 0 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10107 | R | Read Defined Variable [TT] (MPU1)tbcu4_tlnotinhib = 0.0 | OK | 0 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10108 | R | Read Defined Variable [TT] (MPU1)li_drc_tc1tractionauthorr1 = 1.0 | OK | 1 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10109 | R | Read Defined Variable [TT] (MPU1)li_drc_tc1tractionauthorr2 = 1.0 | OK | 1 | Alleta Sekgololo 417407 | Train |

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| | | | | | | 05.05.2025 | |
| 10110 | R | Read Defined Variable [TT] (MPU1)li_drc_tc1tractintoverrider1 = 0.0 | | OK | 0 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10111 | R | Read Defined Variable [TT] (MPU1)li_drc_tc1tractintoverrider2 = 0.0 | | OK | 0 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10112 | A | Reset PEA using switch 44S6 | | OK | | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10113 | A | Close the door opened above manually | | OK | | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10114 | R | Door safety loop is closed, contactor 51K1 and 51K2 are energized | | OK | | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10115 | R | Read Defined Variable [TT] (MPU1)bcu1_tlnotinhib = 1.0 | | OK | 1 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10116 | R | Read Defined Variable [TT] (MPU1)BCU2_TINotInhib = 1.0 | | OK | 1 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10117 | R | Read Defined Variable [TT] (MPU1)TBCU1_TINotInhib = 1.0 | | OK | 1 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10118 | R | Read Defined Variable [TT] (MPU1)TBCU2_tlnotinhib = 1.0 | | OK | 1 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10119 | R | Read Defined Variable [TT] (MPU1)tbcu3_tlnotinhib = 1.0 | | OK | 1 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10120 | R | Read Defined Variable [TT] (MPU1)tbcu4_tlnotinhib = 1.0 | | OK | 1 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10121 | R | Read Defined Variable [TT] (MPU1)li_drc_tc1tractionauthorr1 = 0.0 | | OK | 0 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10122 | R | Read Defined Variable [TT] (MPU1)li_drc_tc1tractionauthorr2 = 0.0 | | OK | 0 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10123 | R | Read Defined Variable [TT] (MPU1)li_drc_tc1tractintoverrider1 = 0.0 | | OK | 0 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10124 | R | Read Defined Variable [TT] (MPU1)li_drc_tc1tractintoverrider2 = 0.0 | | OK | 0 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10125 | A | Press the red button 44S1 to make an emergency brake | | OK | | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10126 | R | Contactor of 44K12 and 44K11 are de- energized | | OK | | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10127 | R | Read Defined Variable [TT] (MPU1)bcu1_tlnotinhib = 0.0 | | OK | 0 | Alleta Sekgololo 417407 05.05.2025 | Train |

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| 10128 | R | Read Defined Variable [TT] (MPU1)BCU2_TINotInhib = 0.0 | OK | 0 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10129 | R | Read Defined Variable [TT] (MPU1)TBCU1_TINotInhib = 0.0 | OK | 0 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10130 | R | Read Defined Variable [TT] (MPU1)TBCU2_tlnotinhib = 0.0 | OK | 0 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10131 | R | Read Defined Variable [TT] (MPU1)tbcu3_tlnotinhib = 0.0 | OK | 0 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10132 | R | Read Defined Variable [TT] (MPU1)tbcu4_tlnotinhib = 0.0 | OK | 0 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10133 | R | Read Defined Variable [TT] (MPU1)li_drc_tc1tractionauthorr1 = 1.0 | OK | 1 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10134 | R | Read Defined Variable [TT] (MPU1)li_drc_tc1tractionauthorr2 = 1.0 | OK | 1 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10135 | R | Read Defined Variable [TT] (MPU1)li_drc_tc1tractintoverrider1 = 0.0 | OK | 0 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10136 | R | Read Defined Variable [TT] (MPU1)li_drc_tc1tractintoverrider2 = 0.0 | OK | 0 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10137 | A | Release the red button 44S1 for emergency brake | OK | | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10138 | A | Put the direction selector switch in NEUTRAL position and again in FORWARD position to reset the emergency brake | OK | | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10139 | R | Read Defined Variable [TT] (MPU1)bcu1_tlnotinhib = 1.0 | OK | 1 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10140 | R | Read Defined Variable [TT] (MPU1)BCU2_TINotInhib = 1.0 | OK | 1 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10141 | R | Read Defined Variable [TT] (MPU1)TBCU1_TINotInhib = 1.0 | OK | 1 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10142 | R | Read Defined Variable [TT] (MPU1)TBCU2_tlnotinhib = 1.0 | OK | 1 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10143 | R | Read Defined Variable [TT] (MPU1)tbcu3_tlnotinhib = 1.0 | OK | 1 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10144 | R | Read Defined Variable [TT] (MPU1)tbcu4_tlnotinhib = 1.0 | OK | 1 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10145 | R | Read Defined Variable [TT] (MPU1)li_drc_tc1tractionauthorr1 = 0.0 | OK | 0 | Alleta Sekgololo 417407 05.05.2025 | Train |

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| 10146 | R | Read Defined Variable [TT] (MPU1)li_drc_tc1tractionauthorr2 = 0.0 | OK | 0 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10147 | R | Read Defined Variable [TT] (MPU1)li_drc_tc1tractintoverrider1 = 0.0 | OK | 0 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10148 | R | Read Defined Variable [TT] (MPU1)li_drc_tc1tractintoverrider2 = 0.0 | OK | 0 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10149 | A | Force [TT] (MPU1)lo_drc_tc1tractionloopr1 = 1.0 | OK | | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10150 | A | Force [TT] (MPU1)lo_drc_tc1tractionloopr2 = 0.0 | OK | | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10151 | R | Read Defined Variable [TT] (MPU1)bcu1_tlnotinhib = 1.0 | OK | 1 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10152 | R | Read Defined Variable [TT] (MPU1)BCU2_TINotInhib = 1.0 | OK | 1 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10153 | R | Read Defined Variable [TT] (MPU1)TBCU1_TINotInhib = 1.0 | OK | 1 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10154 | R | Read Defined Variable [TT] (MPU1)TBCU2_tlnotinhib = 1.0 | OK | 1 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10155 | R | Read Defined Variable [TT] (MPU1)tbcu3_tlnotinhib = 1.0 | OK | 1 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10156 | R | Read Defined Variable [TT] (MPU1)tbcu4_tlnotinhib = 1.0 | OK | 1 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10157 | R | Read Defined Variable [TT] (MPU1)li_drc_tc1tractionauthorr1 = 0.0 | OK | 0 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10158 | R | Read Defined Variable [TT] (MPU1)li_drc_tc1tractionauthorr2 = 0.0 | OK | 0 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10159 | R | Read Defined Variable [TT] (MPU1)li_drc_tc1tractintoverrider1 = 0.0 | OK | 0 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10160 | R | Read Defined Variable [TT] (MPU1)li_drc_tc1tractintoverrider2 = 0.0 | OK | 0 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10161 | A | Force [TT] (MPU1)lo_drc_tc1tractionloopr1 = 0.0 | OK | | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10162 | A | Force [TT] (MPU1)lo_drc_tc1tractionloopr2 = 1.0 | OK | | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10163 | R | Read Defined Variable [TT] (MPU1)bcu1_tlnotinhib = 1.0 | OK | 1 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10164 | R | Read Defined Variable [TT] (MPU1)BCU2_TINotInhib = 1.0 | OK | 1 | Alleta Sekgololo 417407 | Train |

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| 10165 | R | Read Defined Variable [TT] (MPU1)TBCU1_TINotInhib = 1.0 | OK | 1 | Alleta Sekgololo 417407 05.05.2025 | Train | |
| 10166 | R | Read Defined Variable [TT] (MPU1)TBCU2_tlnotinhib = 1.0 | OK | 1 | Alleta Sekgololo 417407 05.05.2025 | Train | |
| 10167 | R | Read Defined Variable [TT] (MPU1)tbcu3_tlnotinhib = 1.0 | OK | 1 | Alleta Sekgololo 417407 05.05.2025 | Train | |
| 10168 | R | Read Defined Variable [TT] (MPU1)tbcu4_tlnotinhib = 1.0 | OK | 1 | Alleta Sekgololo 417407 05.05.2025 | Train | |
| 10169 | R | Read Defined Variable [TT] (MPU1)li_drc_tc1tractionauthorr1 = 0.0 | OK | 0 | Alleta Sekgololo 417407 05.05.2025 | Train | |
| 10170 | R | Read Defined Variable [TT] (MPU1)li_drc_tc1tractionauthorr2 = 0.0 | OK | 0 | Alleta Sekgololo 417407 05.05.2025 | Train | |
| 10171 | R | Read Defined Variable [TT] (MPU1)li_drc_tc1tractintoverrider1 = 0.0 | OK | 0 | Alleta Sekgololo 417407 05.05.2025 | Train | |
| 10172 | R | Read Defined Variable [TT] (MPU1)li_drc_tc1tractintoverrider2 = 0.0 | OK | 0 | Alleta Sekgololo 417407 05.05.2025 | Train | |
| 10173 | A | Force [TT] (MPU1)lo_drc_tc1tractionloopr1 = 0.0 | OK | | Alleta Sekgololo 417407 05.05.2025 | Train | |
| 10174 | A | Force [TT] (MPU1)lo_drc_tc1tractionloopr2 = 0.0 | OK | | Alleta Sekgololo 417407 05.05.2025 | Train | |
| 10175 | A | Put the direction selector switch in NEUTRAL Position | OK | | Alleta Sekgololo 417407 05.05.2025 | Train | |
| 10176 | R | Read Defined Variable [TT] (MPU1)bcu1_tlnotinhib = 0.0 | OK | 0 | Alleta Sekgololo 417407 05.05.2025 | Train | |
| 10177 | R | Read Defined Variable [TT] (MPU1)BCU2_TINotInhib = 0.0 | OK | 0 | Alleta Sekgololo 417407 05.05.2025 | Train | |
| 10178 | R | Read Defined Variable [TT] (MPU1)TBCU1_TINotInhib = 0.0 | OK | 0 | Alleta Sekgololo 417407 05.05.2025 | Train | |
| 10179 | R | Read Defined Variable [TT] (MPU1)TBCU2_tlnotinhib = 0.0 | OK | 0 | Alleta Sekgololo 417407 05.05.2025 | Train | |
| 10180 | R | Read Defined Variable [TT] (MPU1)tbcu3_tlnotinhib = 0.0 | OK | 0 | Alleta Sekgololo 417407 05.05.2025 | Train | |
| 10181 | R | Read Defined Variable [TT] (MPU1)tbcu4_tlnotinhib = 0.0 | OK | 0 | Alleta Sekgololo 417407 05.05.2025 | Train | |
| 10182 | R | Read Defined Variable [TT] (MPU1)li_drc_tc1tractionauthorr1 = 1.0 | OK | 1 | Alleta Sekgololo 417407 05.05.2025 | Train | |

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| 10183 | R | Read Defined Variable [TT] (MPU1)li_drc_tc1tractionauthorr2 = 1.0 | OK | 1 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10184 | R | Read Defined Variable [TT] (MPU1)li_drc_tc1tractintoverrider1 = 0.0 | OK | 0 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10185 | R | Read Defined Variable [TT] (MPU1)li_drc_tc1tractintoverrider2 = 0.0 | OK | 0 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10186 | A | Release [TT] (MPU1)lo_drc_tc1tractionloopr1 | OK | | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10187 | A | Release [TT] (MPU1)lo_drc_tc1tractionloopr2 | OK | | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10188 | I | Traction Interlock Override TC1 | OK | | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10189 | A | Put the Traction Interlock switch 31S1 in OVERRIDE position | OK | | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10190 | R | A fault code is generated on the DDU screen to inform the driver that the door interlock has been override | OK | | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10191 | R | Read Defined Variable [TT] (MPU1)bcu1_tlnotinhib = 1.0 | OK | 1 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10192 | R | Read Defined Variable [TT] (MPU1)BCU2_TINotInhib = 1.0 | OK | 1 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10193 | R | Read Defined Variable [TT] (MPU1)TBCU1_TINotInhib = 1.0 | OK | 1 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10194 | R | Read Defined Variable [TT] (MPU1)TBCU2_tlnotinhib = 1.0 | OK | 1 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10195 | R | Read Defined Variable [TT] (MPU1)tbcu3_tlnotinhib = 1.0 | OK | 1 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10196 | R | Read Defined Variable [TT] (MPU1)tbcu4_tlnotinhib = 1.0 | OK | 1 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10197 | R | Read Defined Variable [TT] (MPU1)li_drc_tc1tractionauthorr1 = 1.0 | OK | 1 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10198 | R | Read Defined Variable [TT] (MPU1)li_drc_tc1tractionauthorr2 = 1.0 | OK | 1 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10199 | R | Read Defined Variable [TT] (MPU1)li_drc_tc1tractintoverrider1 = 1.0 | OK | 1 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10200 | R | Read Defined Variable [TT] (MPU1)li_drc_tc1tractintoverrider2 = 1.0 | OK | 1 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10201 | A | Put the Traction Interlock switch 31S1 in NORMAL position | OK | | Alleta Sekgololo 417407 | Train |

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| | | | | | | 05.05.2025 | |
| 10202 | R | Read Defined Variable [TT] (MPU1)bcu1_tlnotinhib = 0.0 | | OK | 0 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10203 | R | Read Defined Variable [TT] (MPU1)BCU2_TINotInhib = 0.0 | | OK | 0 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10204 | R | Read Defined Variable [TT] (MPU1)TBCU1_TINotInhib = 0.0 | | OK | 0 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10205 | R | Read Defined Variable [TT] (MPU1)TBCU2_tlnotinhib = 0.0 | | OK | 0 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10206 | R | Read Defined Variable [TT] (MPU1)tbcu3_tlnotinhib = 0.0 | | OK | 0 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10207 | R | Read Defined Variable [TT] (MPU1)tbcu4_tlnotinhib = 0.0 | | OK | 0 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10208 | R | Read Defined Variable [TT] (MPU1)li_drc_tc1tractionauthorr1 = 1.0 | | OK | 1 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10209 | R | Read Defined Variable [TT] (MPU1)li_drc_tc1tractionauthorr2 = 1.0 | | OK | 1 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10210 | R | Read Defined Variable [TT] (MPU1)li_drc_tc1tractintoverrider1 = 0.0 | | OK | 0 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10211 | R | Read Defined Variable [TT] (MPU1)li_drc_tc1tractintoverrider2 = 0.0 | | OK | 0 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10212 | A | Release [TT] (MPU1)lo_drc_tc1tractionloopr1 | | OK | | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10213 | A | Release [TT] (MPU1)lo_drc_tc1tractionloopr2 | | OK | | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10214 | A | Put the direction selector switch 30A1.S2 should be in NEUTRAL position | | OK | | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10215 | A | Remove active cab on TC1 | | OK | | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10216 | I | Traction Interlock TC2 | | OK | | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10217 | A | Active Cab on TC2 | | OK | | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10218 | I | The direction selector switch 30A1.S2 should be in NEUTRAL position | | OK | | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10219 | I | All doors should be closed | | OK | | Alleta Sekgololo 417407 05.05.2025 | Train |

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| 10220 | I | Emergency brake should be applied | | OK | | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10221 | I | PEA override switch should be in NORMAL position | | OK | | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10222 | I | Traction Interlock override switch 31S1 should be in NORMAL position | | OK | | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10223 | I | Backup mode switch 27S1 should be in NORMAL position | | OK | | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10224 | A | Force [TT] (MPU1)lo_drc_tc2tractionloopr1 = 1.0 | | OK | | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10225 | A | Force [TT] (MPU1)lo_drc_tc2tractionloopr2 = 1.0 | | OK | | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10226 | R | Read Defined Variable [TT] (MPU1)bcu1_tlnotinhib = 0.0 | | OK | 0 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10227 | R | Read Defined Variable [TT] (MPU1)BCU2_TINotInhib = 0.0 | | OK | 0 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10228 | R | Read Defined Variable [TT] (MPU1)TBCU1_TINotInhib = 0.0 | | OK | 0 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10229 | R | Read Defined Variable [TT] (MPU1)TBCU2_tlnotinhib = 0.0 | | OK | 0 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10230 | R | Read Defined Variable [TT] (MPU1)tbcu3_tlnotinhib = 0.0 | | OK | 0 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10231 | R | Read Defined Variable [TT] (MPU1)tbcu4_tlnotinhib = 0.0 | | OK | 0 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10232 | R | Read Defined Variable [TT] (MPU1)li_drc_tc2tractionauthorr1 = 1.0 | | OK | 1 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10233 | R | Read Defined Variable [TT] (MPU1)li_drc_tc2tractionauthorr2 = 1.0 | | OK | 1 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10234 | R | Read Defined Variable [TT] (MPU1)li_drc_tc2tractintoverrider1 = 0.0 | | OK | 0 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10235 | R | Read Defined Variable [TT] (MPU1)li_drc_tc2tractintoverrider2 = 0.0 | | OK | 0 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10236 | A | Put the direction selector switch 30A1.S2 should be in FORWARD position | | OK | | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10237 | I | Emergency brake is released | | OK | | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10238 | R | Read Defined Variable [TT] (MPU1)bcu1_tlnotinhib = 1.0 | | OK | 1 | Alleta Sekgololo 417407 | Train |

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| | | | | | | 05.05.2025 | |
| 10239 | R | Read Defined Variable [TT] (MPU1)BCU2_TINotInhib = 1.0 | OK | 1 | Alleta Sekgololo 417407 05.05.2025 | Train | |
| 10240 | R | Read Defined Variable [TT] (MPU1)TBCU1_TINotInhib = 1.0 | OK | 1 | Alleta Sekgololo 417407 05.05.2025 | Train | |
| 10241 | R | Read Defined Variable [TT] (MPU1)TBCU2_tlnotinhib = 1.0 | OK | 1 | Alleta Sekgololo 417407 05.05.2025 | Train | |
| 10242 | R | Read Defined Variable [TT] (MPU1)tbcu3_tlnotinhib = 1.0 | OK | 1 | Alleta Sekgololo 417407 05.05.2025 | Train | |
| 10243 | R | Read Defined Variable [TT] (MPU1)tbcu4_tlnotinhib = 1.0 | OK | 1 | Alleta Sekgololo 417407 05.05.2025 | Train | |
| 10244 | R | Read Defined Variable [TT] (MPU1)li_drc_tc2tractionauthorr1 = 0.0 | OK | 0 | Alleta Sekgololo 417407 05.05.2025 | Train | |
| 10245 | R | Read Defined Variable [TT] (MPU1)li_drc_tc2tractionauthorr2 = 0.0 | OK | 0 | Alleta Sekgololo 417407 05.05.2025 | Train | |
| 10246 | R | Read Defined Variable [TT] (MPU1)li_drc_tc2tractintoverrider1 = 0.0 | OK | 0 | Alleta Sekgololo 417407 05.05.2025 | Train | |
| 10247 | R | Read Defined Variable [TT] (MPU1)li_drc_tc2tractintoverrider2 = 0.0 | OK | 0 | Alleta Sekgololo 417407 05.05.2025 | Train | |
| 10248 | A | Put the direction selector switch 30A1.S2 should be in REVERSE position | OK | | Alleta Sekgololo 417407 05.05.2025 | Train | |
| 10249 | I | Emergency brake is released | OK | | Alleta Sekgololo 417407 05.05.2025 | Train | |
| 10250 | R | Read Defined Variable [TT] (MPU1)bcu1_tlnotinhib = 1.0 | OK | 1 | Alleta Sekgololo 417407 05.05.2025 | Train | |
| 10251 | R | Read Defined Variable [TT] (MPU1)BCU2_TINotInhib = 1.0 | OK | 1 | Alleta Sekgololo 417407 05.05.2025 | Train | |
| 10252 | R | Read Defined Variable [TT] (MPU1)TBCU1_TINotInhib = 1.0 | OK | 1 | Alleta Sekgololo 417407 05.05.2025 | Train | |
| 10253 | R | Read Defined Variable [TT] (MPU1)TBCU2_tlnotinhib = 1.0 | OK | 1 | Alleta Sekgololo 417407 05.05.2025 | Train | |
| 10254 | R | Read Defined Variable [TT] (MPU1)tbcu3_tlnotinhib = 1.0 | OK | 1 | Alleta Sekgololo 417407 05.05.2025 | Train | |
| 10255 | R | Read Defined Variable [TT] (MPU1)tbcu4_tlnotinhib = 1.0 | OK | 1 | Alleta Sekgololo 417407 05.05.2025 | Train | |
| 10256 | R | Read Defined Variable [TT] (MPU1)li_drc_tc2tractionauthorr1 = 0.0 | OK | 0 | Alleta Sekgololo 417407 05.05.2025 | Train | |

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| 10257 | R | Read Defined Variable [TT] (MPU1)li_drc_tc2tractionauthorr2 = 0.0 | OK | 0 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10258 | R | Read Defined Variable [TT] (MPU1)li_drc_tc2tractintoverrider1 = 0.0 | OK | 0 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10259 | R | Read Defined Variable [TT] (MPU1)li_drc_tc2tractintoverrider2 = 0.0 | OK | 0 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10260 | I | Traction Interlock with Doors TC2 | OK | | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10261 | A | Manually open any door | OK | | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10262 | R | LED 51H1 is "ON" on alarm module | OK | | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10263 | R | Read Defined Variable [TT] (MPU1)bcu1_tlnotinhib = 0.0 | OK | 0 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10264 | R | Read Defined Variable [TT] (MPU1)BCU2_TINotInhib = 0.0 | OK | 0 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10265 | R | Read Defined Variable [TT] (MPU1)TBCU1_TINotInhib = 0.0 | OK | 0 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10266 | R | Read Defined Variable [TT] (MPU1)TBCU2_tlnotinhib = 0.0 | OK | 0 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10267 | R | Read Defined Variable [TT] (MPU1)tbcu3_tlnotinhib = 0.0 | OK | 0 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10268 | R | Read Defined Variable [TT] (MPU1)tbcu4_tlnotinhib = 0.0 | OK | 0 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10269 | R | Read Defined Variable [TT] (MPU1)li_drc_tc2tractionauthorr1 = 1.0 | OK | 1 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10270 | R | Read Defined Variable [TT] (MPU1)li_drc_tc2tractionauthorr2 = 1.0 | OK | 1 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10271 | R | Read Defined Variable [TT] (MPU1)li_drc_tc2tractintoverrider1 = 0.0 | OK | 0 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10272 | R | Read Defined Variable [TT] (MPU1)li_drc_tc2tractintoverrider2 = 0.0 | OK | 0 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10273 | I | Simulate train speed of 5km/h contactor 61K2 is closed | OK | | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10274 | A | Energize point 41 of terminal block 93XT104_5 with 110V DC | OK | | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10275 | R | The opened door will automatically close | OK | | Alleta Sekgololo 417407 | Train |

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| 10276 | R | Read Defined Variable [TT] (MPU1)bcu1_tlnotinhib = 1.0 | OK | 1 | Alleta Sekgololo 417407 05.05.2025 | Train | |
| 10277 | R | Read Defined Variable [TT] (MPU1)BCU2_TINotInhib = 1.0 | OK | 1 | Alleta Sekgololo 417407 05.05.2025 | Train | |
| 10278 | R | Read Defined Variable [TT] (MPU1)TBCU1_TINotInhib = 1.0 | OK | 1 | Alleta Sekgololo 417407 05.05.2025 | Train | |
| 10279 | R | Read Defined Variable [TT] (MPU1)TBCU2_tlnotinhib = 1.0 | OK | 1 | Alleta Sekgololo 417407 05.05.2025 | Train | |
| 10280 | R | Read Defined Variable [TT] (MPU1)tbcu3_tlnotinhib = 1.0 | OK | 1 | Alleta Sekgololo 417407 05.05.2025 | Train | |
| 10281 | R | Read Defined Variable [TT] (MPU1)tbcu4_tlnotinhib = 1.0 | OK | 1 | Alleta Sekgololo 417407 05.05.2025 | Train | |
| 10282 | R | Read Defined Variable [TT] (MPU1)li_drc_tc2tractionauthorr1 = 0.0 | OK | 0 | Alleta Sekgololo 417407 05.05.2025 | Train | |
| 10283 | R | Read Defined Variable [TT] (MPU1)li_drc_tc2tractionauthorr2 = 0.0 | OK | 0 | Alleta Sekgololo 417407 05.05.2025 | Train | |
| 10284 | R | Read Defined Variable [TT] (MPU1)li_drc_tc2tractintoverrider1 = 0.0 | OK | 0 | Alleta Sekgololo 417407 05.05.2025 | Train | |
| 10285 | R | Read Defined Variable [TT] (MPU1)li_drc_tc2tractintoverrider2 = 0.0 | OK | 0 | Alleta Sekgololo 417407 05.05.2025 | Train | |
| 10286 | A | Activate any PEA | OK | | Alleta Sekgololo 417407 05.05.2025 | Train | |
| 10287 | A | After 3 seconds press the button 44S5 | OK | | Alleta Sekgololo 417407 05.05.2025 | Train | |
| 10288 | I | Speed is greater than 5km/h therefore all doors will remain closed | OK | | Alleta Sekgololo 417407 05.05.2025 | Train | |
| 10289 | R | Door safety loop is closed, contactor 51K1 and 51K2 are energized | OK | | Alleta Sekgololo 417407 05.05.2025 | Train | |
| 10290 | R | Read Defined Variable [TT] (MPU1)bcu1_tlnotinhib = 1.0 | OK | 1 | Alleta Sekgololo 417407 05.05.2025 | Train | |
| 10291 | R | Read Defined Variable [TT] (MPU1)BCU2_TINotInhib = 1.0 | OK | 1 | Alleta Sekgololo 417407 05.05.2025 | Train | |
| 10292 | R | Read Defined Variable [TT] (MPU1)TBCU1_TINotInhib = 1.0 | OK | 1 | Alleta Sekgololo 417407 05.05.2025 | Train | |
| 10293 | R | Read Defined Variable [TT] (MPU1)TBCU2_tlnotinhib = 1.0 | OK | 1 | Alleta Sekgololo 417407 05.05.2025 | Train | |

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| 10294 | R | Read Defined Variable [TT] (MPU1)tbcu3_tlnotinhib = 1.0 | OK | 1 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10295 | R | Read Defined Variable [TT] (MPU1)tbcu4_tlnotinhib = 1.0 | OK | 1 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10296 | R | Read Defined Variable [TT] (MPU1)li_drc_tc2tractionauthorr1 = 0.0 | OK | 0 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10297 | R | Read Defined Variable [TT] (MPU1)li_drc_tc2tractionauthorr2 = 0.0 | OK | 0 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10298 | R | Read Defined Variable [TT] (MPU1)li_drc_tc2tractintoverrider1 = 0.0 | OK | 0 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10299 | R | Read Defined Variable [TT] (MPU1)li_drc_tc2tractintoverrider2 = 0.0 | OK | 0 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10300 | A | Reset PEA using switch 44S6 | OK | | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10301 | R | Read Defined Variable [TT] (MPU1)bcu1_tlnotinhib = 1.0 | OK | 1 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10302 | R | Read Defined Variable [TT] (MPU1)BCU2_TINotInhib = 1.0 | OK | 1 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10303 | R | Read Defined Variable [TT] (MPU1)TBCU1_TINotInhib = 1.0 | OK | 1 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10304 | R | Read Defined Variable [TT] (MPU1)TBCU2_tlnotinhib = 1.0 | OK | 1 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10305 | R | Read Defined Variable [TT] (MPU1)tbcu3_tlnotinhib = 1.0 | OK | 1 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10306 | R | Read Defined Variable [TT] (MPU1)tbcu4_tlnotinhib = 1.0 | OK | 1 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10307 | R | Read Defined Variable [TT] (MPU1)li_drc_tc2tractionauthorr1 = 0.0 | OK | 0 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10308 | R | Read Defined Variable [TT] (MPU1)li_drc_tc2tractionauthorr2 = 0.0 | OK | 0 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10309 | R | Read Defined Variable [TT] (MPU1)li_drc_tc2tractintoverrider1 = 0.0 | OK | 0 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10310 | R | Read Defined Variable [TT] (MPU1)li_drc_tc2tractintoverrider2 = 0.0 | OK | 0 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10311 | A | Remove 110V DC from terminal block 93XT104_5 point 41 | OK | | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10312 | A | Activate any PEA | OK | | Alleta Sekgololo 417407 | Train |

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|-------|---|--|--|----|---|--|-------|
| | | | | | | 05.05.2025 | |
| 10313 | R | Door is unlocked and can be manually opened | | OK | | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10314 | R | Read Defined Variable [TT] (MPU1)bcu1_tlnotinhib = 0.0 | | OK | 0 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10315 | R | Read Defined Variable [TT] (MPU1)BCU2_TINotInhib = 0.0 | | OK | 0 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10316 | R | Read Defined Variable [TT] (MPU1)TBCU1_TINotInhib = 0.0 | | OK | 0 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10317 | R | Read Defined Variable [TT] (MPU1)TBCU2_tlnotinhib = 0.0 | | OK | 0 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10318 | R | Read Defined Variable [TT] (MPU1)tbcu3_tlnotinhib = 0.0 | | OK | 0 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10319 | R | Read Defined Variable [TT] (MPU1)tbcu4_tlnotinhib = 0.0 | | OK | 0 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10320 | R | Read Defined Variable [TT] (MPU1)li_drc_tc2tractionauthorr1 = 1.0 | | OK | 1 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10321 | R | Read Defined Variable [TT] (MPU1)li_drc_tc2tractionauthorr2 = 1.0 | | OK | 1 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10322 | R | Read Defined Variable [TT] (MPU1)li_drc_tc2tractintoverrider1 = 0.0 | | OK | 0 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10323 | R | Read Defined Variable [TT] (MPU1)li_drc_tc2tractintoverrider2 = 0.0 | | OK | 0 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10324 | A | Reset PEA using switch 44S6 | | OK | | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10325 | A | Close the door opened above manually | | OK | | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10326 | R | Door safety loop is closed, contactor 51K1 and 51K2 are energized | | OK | | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10327 | R | Read Defined Variable [TT] (MPU1)bcu1_tlnotinhib = 1.0 | | OK | 1 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10328 | R | Read Defined Variable [TT] (MPU1)BCU2_TINotInhib = 1.0 | | OK | 1 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10329 | R | Read Defined Variable [TT] (MPU1)TBCU1_TINotInhib = 1.0 | | OK | 1 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10330 | R | Read Defined Variable [TT] (MPU1)TBCU2_tlnotinhib = 1.0 | | OK | 1 | Alleta Sekgololo 417407 05.05.2025 | Train |

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|-------|---|--|----|---|--|-------|
| 10331 | R | Read Defined Variable [TT] (MPU1)tbcu3_tlnotinhib = 1.0 | OK | 1 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10332 | R | Read Defined Variable [TT] (MPU1)tbcu4_tlnotinhib = 1.0 | OK | 1 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10333 | R | Read Defined Variable [TT] (MPU1)li_drc_tc2tractionauthorr1 = 0.0 | OK | 0 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10334 | R | Read Defined Variable [TT] (MPU1)li_drc_tc2tractionauthorr2 = 0.0 | OK | 0 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10335 | R | Read Defined Variable [TT] (MPU1)li_drc_tc2tractintoverrider1 = 0.0 | OK | 0 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10336 | R | Read Defined Variable [TT] (MPU1)li_drc_tc2tractintoverrider2 = 0.0 | OK | 0 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10337 | A | Press the red button 44S1 to make an emergency brake | OK | | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10338 | R | Read Defined Variable [TT] (MPU1)bcu1_tlnotinhib = 0.0 | OK | 0 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10339 | R | Read Defined Variable [TT] (MPU1)BCU2_TINotInhib = 0.0 | OK | 0 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10340 | R | Read Defined Variable [TT] (MPU1)TBCU1_TINotInhib = 0.0 | OK | 0 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10341 | R | Read Defined Variable [TT] (MPU1)TBCU2_tlnotinhib = 0.0 | OK | 0 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10342 | R | Read Defined Variable [TT] (MPU1)tbcu3_tlnotinhib = 0.0 | OK | 0 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10343 | R | Read Defined Variable [TT] (MPU1)tbcu4_tlnotinhib = 0.0 | OK | 0 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10344 | R | Read Defined Variable [TT] (MPU1)li_drc_tc2tractionauthorr1 = 1.0 | OK | 1 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10345 | R | Read Defined Variable [TT] (MPU1)li_drc_tc2tractionauthorr2 = 1.0 | OK | 1 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10346 | R | Read Defined Variable [TT] (MPU1)li_drc_tc2tractintoverrider1 = 0.0 | OK | 0 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10347 | R | Read Defined Variable [TT] (MPU1)li_drc_tc2tractintoverrider2 = 0.0 | OK | 0 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10348 | A | Release the red button 44S1 for emergency brake | OK | | Alleta Sekgololo 417407 05.05.2025 | Train |

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|-------|---|---|--|----|---|--|-------|
| 10349 | A | Put the direction selector switch in NEUTRAL position and again in FORWARD position | | OK | | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10350 | R | Read Defined Variable [TT] (MPU1)bcu1_tlnotinhib = 1.0 | | OK | 1 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10351 | R | Read Defined Variable [TT] (MPU1)BCU2_TINotInhib = 1.0 | | OK | 1 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10352 | R | Read Defined Variable [TT] (MPU1)TBCU1_TINotInhib = 1.0 | | OK | 1 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10353 | R | Read Defined Variable [TT] (MPU1)TBCU2_tlnotinhib = 1.0 | | OK | 1 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10354 | R | Read Defined Variable [TT] (MPU1)tbcu3_tlnotinhib = 1.0 | | OK | 1 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10355 | R | Read Defined Variable [TT] (MPU1)tbcu4_tlnotinhib = 1.0 | | OK | 1 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10356 | R | Read Defined Variable [TT] (MPU1)li_drc_tc2tractionauthorr1 = 0.0 | | OK | 0 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10357 | R | Read Defined Variable [TT] (MPU1)li_drc_tc2tractionauthorr2 = 0.0 | | OK | 0 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10358 | R | Read Defined Variable [TT] (MPU1)li_drc_tc2tractintoverrider1 = 0.0 | | OK | 0 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10359 | R | Read Defined Variable [TT] (MPU1)li_drc_tc2tractintoverrider2 = 0.0 | | OK | 0 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10360 | A | Force [TT] (MPU1)lo_drc_tc2tractionloopr2 = 0.0 | | OK | | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10361 | A | Force [TT] (MPU1)lo_drc_tc2tractionloopr1 = 1.0 | | OK | | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10362 | R | Read Defined Variable [TT] (MPU1)bcu1_tlnotinhib = 1.0 | | OK | 1 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10363 | R | Read Defined Variable [TT] (MPU1)BCU2_TINotInhib = 1.0 | | OK | 1 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10364 | R | Read Defined Variable [TT] (MPU1)TBCU1_TINotInhib = 1.0 | | OK | 1 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10365 | R | Read Defined Variable [TT] (MPU1)TBCU2_tlnotinhib = 1.0 | | OK | 1 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10366 | R | Read Defined Variable [TT] (MPU1)tbcu3_tlnotinhib = 1.0 | | OK | 1 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10367 | R | Read Defined Variable [TT] (MPU1)tbcu4_tlnotinhib = 1.0 | | OK | 1 | Alleta Sekgololo 417407 | Train |

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|-------|---|--|--|----|---|--|-------|
| | | | | | | 05.05.2025 | |
| 10368 | R | Read Defined Variable [TT] (MPU1)li_drc_tc2tractionauthorr1 = 0.0 | | OK | 0 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10369 | R | Read Defined Variable [TT] (MPU1)li_drc_tc2tractionauthorr2 = 0.0 | | OK | 0 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10370 | R | Read Defined Variable [TT] (MPU1)li_drc_tc2tractintoverrider1 = 0.0 | | OK | 0 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10371 | R | Read Defined Variable [TT] (MPU1)li_drc_tc2tractintoverrider2 = 0.0 | | OK | 0 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10372 | A | Force [TT] (MPU1)lo_drc_tc2tractionloopr2 = 1.0 | | OK | | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10373 | A | Force [TT] (MPU1)lo_drc_tc2tractionloopr1 = 0.0 | | OK | | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10374 | R | Read Defined Variable [TT] (MPU1)bcu1_tlnotinhib = 1.0 | | OK | 1 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10375 | R | Read Defined Variable [TT] (MPU1)BCU2_TINotInhib = 1.0 | | OK | 1 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10376 | R | Read Defined Variable [TT] (MPU1)TBCU1_TINotInhib = 1.0 | | OK | 1 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10377 | R | Read Defined Variable [TT] (MPU1)TBCU2_tlnotinhib = 1.0 | | OK | 1 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10378 | R | Read Defined Variable [TT] (MPU1)tbcu3_tlnotinhib = 1.0 | | OK | 1 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10379 | R | Read Defined Variable [TT] (MPU1)tbcu4_tlnotinhib = 1.0 | | OK | 1 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10380 | R | Read Defined Variable [TT] (MPU1)li_drc_tc2tractionauthorr1 = 0.0 | | OK | 0 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10381 | R | Read Defined Variable [TT] (MPU1)li_drc_tc2tractionauthorr2 = 0.0 | | OK | 0 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10382 | R | Read Defined Variable [TT] (MPU1)li_drc_tc2tractintoverrider1 = 0.0 | | OK | 0 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10383 | R | Read Defined Variable [TT] (MPU1)li_drc_tc2tractintoverrider2 = 0.0 | | OK | 0 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10384 | A | Force [TT] (MPU1)lo_drc_tc2tractionloopr2 = 0.0 | | OK | | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10385 | A | Force [TT] (MPU1)lo_drc_tc2tractionloopr1 = 0.0 | | OK | | Alleta Sekgololo 417407 05.05.2025 | Train |

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|-------|---|--|--|----|---|--|-------|
| 10386 | A | Put the direction selector switch in NEUTRAL position | | OK | | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10387 | R | Read Defined Variable [TT] (MPU1)TBCU1_tINotInhib = 0.0 | | OK | 0 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10388 | R | Read Defined Variable [TT] (MPU1)TBCU2_tInotInhib = 0.0 | | OK | 0 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10389 | R | Read Defined Variable [TT] (MPU1)tbcu3_tInotInhib = 0.0 | | OK | 0 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10390 | R | Read Defined Variable [TT] (MPU1)tbcu4_tInotInhib = 0.0 | | OK | 0 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10391 | R | Read Defined Variable [TT] (MPU1)bcu1_tInotInhib = 0.0 | | OK | 0 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10392 | R | Read Defined Variable [TT] (MPU1)BCU2_TINotInhib = 0.0 | | OK | 0 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10393 | R | Read Defined Variable [TT] (MPU1)li_drc_tc2tractionauthorr1 = 1.0 | | OK | 1 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10394 | R | Read Defined Variable [TT] (MPU1)li_drc_tc2tractionauthorr2 = 1.0 | | OK | 1 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10395 | R | Read Defined Variable [TT] (MPU1)li_drc_tc2tractintoverrider1 = 0.0 | | OK | 0 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10396 | R | Read Defined Variable [TT] (MPU1)li_drc_tc2tractintoverrider2 = 0.0 | | OK | 0 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10397 | I | Traction Interlock Override TC2 | | OK | | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10398 | A | Put the Traction Interlock switch 31S1 in OVERRIDE position | | OK | | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10399 | R | Read Defined Variable [TT] (MPU1)bcu1_tInotInhib = 1.0 | | OK | 1 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10400 | R | Read Defined Variable [TT] (MPU1)li_drc_tc2tractionauthorr1 = 1.0 | | OK | 1 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10401 | R | Read Defined Variable [TT] (MPU1)li_drc_tc2tractionauthorr2 = 1.0 | | OK | 1 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10402 | R | Read Defined Variable [TT] (MPU1)li_drc_tc2tractintoverrider1 = 1.0 | | OK | 1 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10403 | R | Read Defined Variable [TT] (MPU1)li_drc_tc2tractintoverrider2 = 1.0 | | OK | 1 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10404 | R | Read Defined Variable [TT] (MPU1)BCU2_TINotInhib = 1.0 | | OK | 1 | Alleta Sekgololo 417407 | Train |

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|-------|---|--|----|---|--|------------|--|
| | | | | | | 05.05.2025 | |
| 10405 | R | Read Defined Variable [TT] (MPU1)TBCU1_tINotInhib = 1.0 | OK | 1 | Alleta Sekgololo 417407 05.05.2025 | Train | |
| 10406 | R | Read Defined Variable [TT] (MPU1)TBCU2_tlnotinhib = 1.0 | OK | 1 | Alleta Sekgololo 417407 05.05.2025 | Train | |
| 10407 | R | Read Defined Variable [TT] (MPU1)tbcu3_tlnotinhib = 1.0 | OK | 1 | Alleta Sekgololo 417407 05.05.2025 | Train | |
| 10408 | R | Read Defined Variable [TT] (MPU1)tbcu4_tlnotinhib = 1.0 | OK | 1 | Alleta Sekgololo 417407 05.05.2025 | Train | |
| 10409 | A | Put the Traction Interlock switch 31S1 in NORMAL position | OK | | Alleta Sekgololo 417407 05.05.2025 | Train | |
| 10410 | R | Read Defined Variable [TT] (MPU1)bcu1_tlnotinhib = 0.0 | OK | 0 | Alleta Sekgololo 417407 05.05.2025 | Train | |
| 10411 | R | Read Defined Variable [TT] (MPU1)li_drc_tc2tractionauthorr1 = 1.0 | OK | 1 | Alleta Sekgololo 417407 05.05.2025 | Train | |
| 10412 | R | Read Defined Variable [TT] (MPU1)li_drc_tc2tractionauthorr2 = 1.0 | OK | 1 | Alleta Sekgololo 417407 05.05.2025 | Train | |
| 10413 | R | Read Defined Variable [TT] (MPU1)li_drc_tc2tractintoverrider1 = 0.0 | OK | 0 | Alleta Sekgololo 417407 05.05.2025 | Train | |
| 10414 | R | Read Defined Variable [TT] (MPU1)li_drc_tc2tractintoverrider2 = 0.0 | OK | 0 | Alleta Sekgololo 417407 05.05.2025 | Train | |
| 10415 | R | Read Defined Variable [TT] (MPU1)BCU2_tINotInhib = 0.0 | OK | 0 | Alleta Sekgololo 417407 05.05.2025 | Train | |
| 10416 | R | Read Defined Variable [TT] (MPU1)TBCU1_tINotInhib = 0.0 | OK | 0 | Alleta Sekgololo 417407 05.05.2025 | Train | |
| 10417 | R | Read Defined Variable [TT] (MPU1)TBCU2_tlnotinhib = 0.0 | OK | 0 | Alleta Sekgololo 417407 05.05.2025 | Train | |
| 10418 | R | Read Defined Variable [TT] (MPU1)tbcu3_tlnotinhib = 0.0 | OK | 0 | Alleta Sekgololo 417407 05.05.2025 | Train | |
| 10419 | R | Read Defined Variable [TT] (MPU1)tbcu4_tlnotinhib = 0.0 | OK | 0 | Alleta Sekgololo 417407 05.05.2025 | Train | |
| 10420 | A | Put the direction selector switch 30A1.S2 should be in NEUTRAL position | OK | | Alleta Sekgololo 417407 05.05.2025 | Train | |
| 10421 | I | End of Test | OK | | Alleta Sekgololo 417407 05.05.2025 | Train | |



Serial Tests Report
TS280 – TFS
RTR Train Functional Static Test Report

Document Reference
GIB0000008079
Version: A0


Emission date
16/05/2025

Section 20 – Deadman



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 | | Mlungisi Madela 529927 05.05.2025 | Train |
| 10002 | I | Initial Conditions | | OK | | Mlungisi Madela 529927 05.05.2025 | Train |
| 10003 | I | The Traction and Emergency test procedure must be completed prior to performing this test | | OK | | Mlungisi Madela 529927 05.05.2025 | Train |
| 10004 | I | Lamp 60H2 is OFF | | OK | | Mlungisi Madela 529927 05.05.2025 | Train |
| 10005 | I | Master Controller is in Neutral position | | OK | | Mlungisi Madela 529927 05.05.2025 | Train |
| 10006 | I | No Driving Direction selected | | OK | | Mlungisi Madela 529927 05.05.2025 | Train |
| 10007 | I | Prepare train in LV ready with active cab on TC1 | | OK | | Mlungisi Madela 529927 05.05.2025 | Train |
| 10008 | I | Start of Test | | OK | | Mlungisi Madela 529927 05.05.2025 | Train |
| 10009 | I | Deadman override TC1 | | OK | | Mlungisi Madela 529927 05.05.2025 | Train |
| 10010 | R | Read Defined Variable [TT] (MPU1)li_dsd_tc1deadmanoverridr1 = 0.0 | | OK | 0 | Mlungisi Madela 529927 05.05.2025 | Train |
| 10011 | A | Put the override switch 60S1 to OVERRIDE position | | OK | | Mlungisi Madela 529927 05.05.2025 | Train |
| 10012 | R | Lamp 60H2 is "ON" on the alarm module |  | OK | | Mlungisi Madela 529927 05.05.2025 | Train |
| 10013 | R | Verify that the Deadman override indication appears on the DDU screen | | OK | | Mlungisi Madela 529927 05.05.2025 | Train |
| 10014 | R | Read Defined Variable [TT] (MPU1)li_dsd_tc1deadmanoverridr2 = 1.0 | | OK | 1 | Mlungisi Madela 529927 05.05.2025 | Train |
| 10015 | A | Put the override switch 60S1 to NORMAL position | | OK | | Mlungisi Madela 529927 05.05.2025 | Train |
| 10016 | R | Read Defined Variable [TT] (MPU1)li_dsd_tc1deadmanoverridr1 = 0.0 | | OK | 0 | Mlungisi Madela 529927 05.05.2025 | Train |

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|-------|---|--|--|----|---|---|-------|
| 10017 | R | Lamp 60H2 is OFF | | OK | | Mlungisi Madela 529927 05.05.2025 | Train |
| 10018 | I | Deadman by Master Controller TC1 | | OK | | Mlungisi Madela 529927 05.05.2025 | Train |
| 10019 | R | Read Defined Variable [TT] (MPU1)li_dsd_tc1deadmanr1 = 0.0 | | OK | 0 | Mlungisi Madela 529927 05.05.2025 | Train |
| 10020 | A | Press the master controller Deadman switch 30A1.S4 and hold while reading variable below | | OK | | Mlungisi Madela 529927 05.05.2025 | Train |
| 10021 | R | Read Defined Variable [TT] (MPU1)li_dsd_tc1deadmanr1 = 1.0 | | OK | 1 | Mlungisi Madela 529927 05.05.2025 | Train |
| 10022 | A | Release the Master Controller switch 30A1.S4 | | OK | | Mlungisi Madela 529927 05.05.2025 | Train |
| 10023 | R | Read Defined Variable [TT] (MPU1)li_dsd_tc1deadmanr1 = 0.0 | | OK | 0 | Mlungisi Madela 529927 05.05.2025 | Train |
| 10024 | I | Deadman by button 60S3 TC1 | | OK | | Mlungisi Madela 529927 05.05.2025 | Train |
| 10025 | R | Read Defined Variable [TT] (MPU1)li_dsd_tc1deadmanr1 = 0.0 | | OK | 0 | Mlungisi Madela 529927 05.05.2025 | Train |
| 10026 | A | Press the button 60S3 and hold it while reading variable below | | OK | | Mlungisi Madela 529927 05.05.2025 | Train |
| 10027 | R | Read Defined Variable [TT] (MPU1)li_dsd_tc1deadmanr1 = 1.0 | | OK | 1 | Mlungisi Madela 529927 05.05.2025 | Train |
| 10028 | A | Release the button 60S3 | | OK | | Mlungisi Madela 529927 05.05.2025 | Train |
| 10029 | R | Read Defined Variable [TT] (MPU1)li_dsd_tc1deadmanr1 = 0.0 | | OK | 0 | Mlungisi Madela 529927 05.05.2025 | Train |
| 10030 | I | Deadman functional test TC1 | | OK | | Mlungisi Madela 529927 05.05.2025 | Train |
| 10031 | R | Read Defined Variable [TT] (MPU1)lo_dsd_tc1dmbuzzerr1 = 0.0 | | OK | 0 | Mlungisi Madela 529927 05.05.2025 | Train |
| 10032 | R | Read Defined Variable [TT] (MPU1)lo_dsd_tc1deadmanlampr1 = 0.0 | | OK | 0 | Mlungisi Madela 529927 05.05.2025 | Train |
| 10033 | R | Read Defined Variable [TT] (MPU1)li_dsd_tc1ebdeadmanrelayr1 = 0.0 | | OK | 0 | Mlungisi Madela 529927 05.05.2025 | Train |
| 10034 | A | Select Driving Direction to FORWARD | | OK | | Mlungisi Madela 529927 05.05.2025 | Train |
| 10035 | R | Read Defined Variable [TT] (MPU1)bcu1_tlnb = 0.0 | | OK | 0 | Mlungisi Madela 529927 | Train |

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| | | | | | | 05.05.2025 | |
| 10036 | I | After 2.5 seconds buzzer starts beeping | | OK | | Mlungisi Madela 529927 05.05.2025 | Train |
| 10037 | R | Lamp 60H1 is ON |  | OK | | Mlungisi Madela 529927 05.05.2025 | Train |
| 10038 | R | Read Defined Variable [TT] (MPU1)lo_dsd_tc1deadmanlampr1 = 1.0 | | OK | 1 | Mlungisi Madela 529927 05.05.2025 | Train |
| 10039 | R | Read Defined Variable [TT] (MPU1)lo_dsd_tc1dmbuzzerr1 = 1.0 | | OK | 1 | Mlungisi Madela 529927 05.05.2025 | Train |
| 10040 | I | A constant push on the button 60S3 or Master controller will result in Emergency brake | | OK | | Mlungisi Madela 529927 05.05.2025 | Train |
| 10041 | A | Press and hold down the master controller for about 2s | | OK | | Mlungisi Madela 529927 05.05.2025 | Train |
| 10042 | R | Lamp 60H1 is OFF | | OK | | Mlungisi Madela 529927 05.05.2025 | Train |
| 10043 | R | No sound from buzzer | | OK | | Mlungisi Madela 529927 05.05.2025 | Train |
| 10044 | A | Release master controller | | OK | | Mlungisi Madela 529927 05.05.2025 | Train |
| 10045 | I | After 2.5 seconds buzzer starts beeping | | OK | | Mlungisi Madela 529927 05.05.2025 | Train |
| 10046 | R | Lamp 60H1 is ON | | OK | | Mlungisi Madela 529927 05.05.2025 | Train |
| 10047 | A | Press and hold the button 60S3 for about 2s | | OK | | Mlungisi Madela 529927 05.05.2025 | Train |
| 10048 | R | Lamp 60H1 is OFF | | OK | | Mlungisi Madela 529927 05.05.2025 | Train |
| 10049 | R | No sound from buzzer | | OK | | Mlungisi Madela 529927 05.05.2025 | Train |
| 10050 | A | Release Deadman button 60S3 | | OK | | Mlungisi Madela 529927 05.05.2025 | Train |
| 10051 | I | After 2.5 seconds buzzer starts beeping | | OK | | Mlungisi Madela 529927 05.05.2025 | Train |
| 10052 | R | After 5 seconds, emergency brake is applied |  | OK | | Mlungisi Madela 529927 05.05.2025 | Train |
| 10053 | R | Verify on the DDU that the Emergency brake by Deadman indication is ON | | OK | | Mlungisi Madela 529927 05.05.2025 | Train |

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|-------|---|--|---|----|---|---|-------|
| 10054 | R | Read Defined Variable [TT] (MPU1)li_dsd_tc1ebdeadmanrelay1 = 1.0 | | OK | 1 | Mlungisi Madela 529927 05.05.2025 | Train |
| 10055 | R | Read Defined Variable [TT] (MPU1)bcu1_tlneb = 0.0 | | OK | 0 | Mlungisi Madela 529927 05.05.2025 | Train |
| 10056 | A | Select Driving direction to NEUTRAL and FORWARD again to reset the emergency brake | | OK | | Mlungisi Madela 529927 05.05.2025 | Train |
| 10057 | R | Read Defined Variable [TT] (MPU1)bcu1_tlneb = 0.0 | | OK | 0 | Mlungisi Madela 529927 05.05.2025 | Train |
| 10058 | A | Press down the Master controller and hold | | OK | | Mlungisi Madela 529927 05.05.2025 | Train |
| 10059 | I | After 45s, emergency brake is applied |  | OK | | Mlungisi Madela 529927 05.05.2025 | Train |
| 10060 | R | Verify on the DDU that the Emergency brake by Deadman indication is ON | | OK | | Mlungisi Madela 529927 05.05.2025 | Train |
| 10061 | R | Read Defined Variable [TT] (MPU1)li_dsd_tc1ebdeadmanrelay1 = 0.0 | | OK | 0 | Mlungisi Madela 529927 05.05.2025 | Train |
| 10062 | A | Release the Master controller | | OK | | Mlungisi Madela 529927 05.05.2025 | Train |
| 10063 | A | Select the driving direction to NEUTRAL position | | OK | | Mlungisi Madela 529927 05.05.2025 | Train |
| 10064 | R | Read Defined Variable [TT] (MPU1)bcu1_tlneb = 0.0 | | OK | 0 | Mlungisi Madela 529927 05.05.2025 | Train |
| 10065 | A | Remove active cab on TC1 | | OK | | Mlungisi Madela 529927 05.05.2025 | Train |
| 10066 | I | Deadman Override TC2 | | OK | | Mlungisi Madela 529927 05.05.2025 | Train |
| 10067 | A | Active cab on TC2 | | OK | | Mlungisi Madela 529927 05.05.2025 | Train |
| 10068 | I | Deadman override switch 60S1 must be in NORMAL position | | OK | | Mlungisi Madela 529927 05.05.2025 | Train |
| 10069 | R | Read Defined Variable [TT] (MPU1)li_dsd_tc2deadmanoverridr1 = 0.0 | | OK | 0 | Mlungisi Madela 529927 05.05.2025 | Train |
| 10070 | A | Put the Deadman override switch 60S1 to OVERRIDE position |  | OK | | Mlungisi Madela 529927 05.05.2025 | Train |
| 10071 | R | Verify on the DDU that the Deadman override indication is ON | | OK | | Mlungisi Madela 529927 05.05.2025 | Train |

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|-------|---|--|----|---|---|-------|
| 10072 | R | Read Defined Variable [TT] (MPU1)li_dsd_tc2deadmanverridr1 = 1.0 | OK | 1 | Mlungisi Madela 529927 05.05.2025 | Train |
| 10073 | R | Lamp 60H2 is ON | OK | | Mlungisi Madela 529927 05.05.2025 | Train |
| 10074 | A | Put the override switch 60S1 in NORMAL position | OK | | Mlungisi Madela 529927 05.05.2025 | Train |
| 10075 | R | Read Defined Variable [TT] (MPU1)li_dsd_tc2deadmanverridr1 = 0.0 | OK | 0 | Mlungisi Madela 529927 05.05.2025 | Train |
| 10076 | R | Lamp 60H2 is OFF | OK | | Mlungisi Madela 529927 05.05.2025 | Train |
| 10077 | I | Deadman by Master Controller TC2 | OK | | Mlungisi Madela 529927 05.05.2025 | Train |
| 10078 | R | Read Defined Variable [TT] (MPU1)li_dsd_tc2deadmanr2 = 0.0 | OK | 0 | Mlungisi Madela 529927 05.05.2025 | Train |
| 10079 | A | Press the master controller Deadman switch 30A1.S4 and hold while reading variable below | OK | | Mlungisi Madela 529927 05.05.2025 | Train |
| 10080 | R | Read Defined Variable [TT] (MPU1)li_dsd_tc2deadmanr2 = 1.0 | OK | 1 | Mlungisi Madela 529927 05.05.2025 | Train |
| 10081 | A | Release the master controller | OK | | Mlungisi Madela 529927 05.05.2025 | Train |
| 10082 | R | Read Defined Variable [TT] (MPU1)li_dsd_tc2deadmanr2 = 0.0 | OK | 0 | Mlungisi Madela 529927 05.05.2025 | Train |
| 10083 | I | Deadman by button 60S3 TC2 | OK | | Mlungisi Madela 529927 05.05.2025 | Train |
| 10084 | R | Read Defined Variable [TT] (MPU1)li_dsd_tc2deadmanr1 = 0.0 | OK | 0 | Mlungisi Madela 529927 05.05.2025 | Train |
| 10085 | A | Press the button 60S3 and hold it while reading the variable below | OK | | Mlungisi Madela 529927 05.05.2025 | Train |
| 10086 | R | Read Defined Variable [TT] (MPU1)li_dsd_tc2deadmanr1 = 1.0 | OK | 1 | Mlungisi Madela 529927 05.05.2025 | Train |
| 10087 | A | Release the button 60S3 | OK | | Mlungisi Madela 529927 05.05.2025 | Train |
| 10088 | R | Read Defined Variable [TT] (MPU1)li_dsd_tc2deadmanr1 = 0.0 | OK | 0 | Mlungisi Madela 529927 05.05.2025 | Train |
| 10089 | R | Read Defined Variable [TT] (MPU1)li_dsd_tc2ebdeadmanrelayr1 = 0.0 | OK | 0 | Mlungisi Madela 529927 05.05.2025 | Train |
| 10090 | I | Deadman functional test TC2 | OK | | Mlungisi Madela 529927 | Train |

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|-------|---|--|---|----|---|---|-------|
| | | | | | | 05.05.2025 | |
| 10091 | R | Read Defined Variable [TT] (MPU1)lo_dsd_tc2dmbuzzerr1 = 0.0 | | OK | 0 | Mlungisi Madela 529927 05.05.2025 | Train |
| 10092 | R | Read Defined Variable [TT] (MPU1)lo_dsd_tc2deadmanlampr1 = 0.0 | | OK | 0 | Mlungisi Madela 529927 05.05.2025 | Train |
| 10093 | A | Select Driving Direction to FORWARD | | OK | | Mlungisi Madela 529927 05.05.2025 | Train |
| 10094 | R | Read Defined Variable [TT] (MPU1)BCU2_TINeb = 0.0 | | OK | 0 | Mlungisi Madela 529927 05.05.2025 | Train |
| 10095 | I | After 2.5 seconds buzzer starts beeping | | OK | | Mlungisi Madela 529927 05.05.2025 | Train |
| 10096 | R | lamp 60H1 is ON |  | OK | | Mlungisi Madela 529927 05.05.2025 | Train |
| 10097 | R | Verify on the DDU screen that the Deadman active indication is ON | | OK | | Mlungisi Madela 529927 05.05.2025 | Train |
| 10098 | R | Read Defined Variable [TT] (MPU1)lo_dsd_tc2deadmanlampr1 = 1.0 | | OK | 1 | Mlungisi Madela 529927 05.05.2025 | Train |
| 10099 | R | Read Defined Variable [TT] (MPU1)lo_dsd_tc2dmbuzzerr1 = 1.0 | | OK | 1 | Mlungisi Madela 529927 05.05.2025 | Train |
| 10100 | I | A constant push on the button 60S3 or Master controller will result in Emergency brake | | OK | | Mlungisi Madela 529927 05.05.2025 | Train |
| 10101 | A | Press and hold down the master controller for about 2s | | OK | | Mlungisi Madela 529927 05.05.2025 | Train |
| 10102 | R | Lamp 60H1 is OFF | | OK | | Mlungisi Madela 529927 05.05.2025 | Train |
| 10103 | R | No sound from buzzer | | OK | | Mlungisi Madela 529927 05.05.2025 | Train |
| 10104 | A | Release the master controller | | OK | | Mlungisi Madela 529927 05.05.2025 | Train |
| 10105 | R | Read Defined Variable [TT] (MPU1)BCU2_TINeb = 0.0 | | OK | 0 | Mlungisi Madela 529927 05.05.2025 | Train |
| 10106 | R | After 2.5 seconds buzzer starts beeping | | OK | | Mlungisi Madela 529927 05.05.2025 | Train |
| 10107 | R | After 5 seconds, emergency brake is applied |  | OK | | Mlungisi Madela 529927 05.05.2025 | Train |
| 10108 | R | Verify on the DDU screen that the emergency brake applied by Deadman indication is ON | | OK | | Mlungisi Madela 529927 05.05.2025 | Train |

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|-------|---|--|-----------|----|---|---|-------|
| 10109 | R | Read Defined Variable [TT] (MPU1)li_dsd_tc2ebdeadmanrelayr1 = 1.0 | | OK | 1 | Mlungisi Madela 529927 05.05.2025 | Train |
| 10110 | A | Select Driving direction to NEUTRAL and FORWARD again to reset the emergency brake | | OK | | Mlungisi Madela 529927 05.05.2025 | Train |
| 10111 | R | Read Defined Variable [TT] (MPU1)BCU2_TINeb = 0.0 | | OK | 0 | Mlungisi Madela 529927 05.05.2025 | Train |
| 10112 | A | Press down the Master controller and hold | | OK | | Mlungisi Madela 529927 05.05.2025 | Train |
| 10113 | R | After 45s, emergency brake is applied | DM | OK | | Mlungisi Madela 529927 05.05.2025 | Train |
| 10114 | R | Verify on the DDU that the Emergency brake by Deadman indication is ON | | OK | | Mlungisi Madela 529927 05.05.2025 | Train |
| 10115 | R | Read Defined Variable [TT] (MPU1)li_dsd_tc2ebdeadmanrelayr1 = 0.0 | | OK | 0 | Mlungisi Madela 529927 05.05.2025 | Train |
| 10116 | A | Release the Master controller | | OK | | Mlungisi Madela 529927 05.05.2025 | Train |
| 10117 | A | Select the driving direction to NEUTRAL position | | OK | | Mlungisi Madela 529927 05.05.2025 | Train |
| 10118 | I | End of test | | OK | | Mlungisi Madela 529927 05.05.2025 | Train |



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| Serial Tests Report TS280 – TFS RTR Train Functional Static Test Report | Document Reference GIB0000008079 Version: A0 | Emission date 16/05/2025 |
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Section 21 – Rescue Mode and Emergency Disconnection

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 | | Mlungisi Madela 529927 06.05.2025 | Train |
| 10002 | I | Initial Conditions | | OK | | Mlungisi Madela 529927 06.05.2025 | Train |
| 10003 | I | Train in Normal mode with LV ready | | OK | | Mlungisi Madela 529927 06.05.2025 | Train |
| 10004 | I | Emergency brake is applied due to no direction selected on Train | | OK | | Mlungisi Madela 529927 06.05.2025 | Train |
| 10005 | I | The Blue button 27S5 must be released in TC1 and TC2 | | OK | | Mlungisi Madela 529927 06.05.2025 | Train |
| 10006 | I | Start of Test | | OK | | Mlungisi Madela 529927 06.05.2025 | Train |
| 10007 | I | Back-up Mode TC1 | | OK | | Mlungisi Madela 529927 06.05.2025 | Train |
| 10008 | A | Put the switch 27S1 in BACKUP position | | OK | | Mlungisi Madela 529927 06.05.2025 | Train |
| 10009 | R | The TCMS is not available on the DDU screen | | OK | | Mlungisi Madela 529927 06.05.2025 | Train |
| 10010 | R | Lamp 27H2 is ON |  | OK | | Mlungisi Madela 529927 06.05.2025 | Train |
| 10011 | A | Timer 60.0 S | | OK | | Mlungisi Madela 529927 06.05.2025 | Train |
| 10012 | R | Both pantographs are raised | | OK | | Mlungisi Madela 529927 06.05.2025 | Train |
| 10013 | R | Both HSCBs are closed | | OK | | Mlungisi Madela 529927 06.05.2025 | Train |
| 10014 | R | Both ACUs are operational, sound can be heard from outside the train | | OK | | Mlungisi Madela 529927 06.05.2025 | Train |
| 10015 | R | All four traction units are in operation, sound can be heard from outside the train | | OK | | Mlungisi Madela 529927 06.05.2025 | Train |
| 10016 | R | There is a gradual increase in the main pipe pressure | | OK | | Mlungisi Madela 529927 06.05.2025 | Train |

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|-------|---|---|----|---|-------|
| 10017 | R | HVAC units are operational in all cars | OK | Mlungisi Madela 529927 06.05.2025 | Train |
| 10018 | R | Emergency lighting is ON in all cars | OK | Mlungisi Madela 529927 06.05.2025 | Train |
| 10019 | I | Emergency Disconnection TC1 | OK | Mlungisi Madela 529927 06.05.2025 | Train |
| 10020 | A | Push the button 27S5 to disconnect pantographs and open HSCBs | OK | Mlungisi Madela 529927 06.05.2025 | Train |
| 10021 | R | Both pantographs are lower and HSCBs are open | OK | Mlungisi Madela 529927 06.05.2025 | Train |
| 10022 | A | Release the button 27S5 | OK | Mlungisi Madela 529927 06.05.2025 | Train |
| 10023 | I | Traction authorization TC1 | OK | Mlungisi Madela 529927 06.05.2025 | Train |
| 10024 | A | Put the direction selector switch in FORWARD position | OK | Mlungisi Madela 529927 06.05.2025 | Train |
| 10025 | R | TA is authorized | OK | Mlungisi Madela 529927 06.05.2025 | Train |
| 10026 | R | Lamp 31H1 is ON on the alarm module | OK | Mlungisi Madela 529927 06.05.2025 | Train |
| 10027 | A | Put the direction selector switch in NEUTRAL position | OK | Mlungisi Madela 529927 06.05.2025 | Train |
| 10028 | R | TA is not authorized | OK | Mlungisi Madela 529927 06.05.2025 | Train |
| 10029 | R | Lamp 31H1 is OFF on the alarm module | OK | Mlungisi Madela 529927 06.05.2025 | Train |
| 10030 | I | Doors Operation TC1 | OK | Mlungisi Madela 529927 06.05.2025 | Train |
| 10031 | A | Press the auth button 50S5 to open left doors | OK | Mlungisi Madela 529927 06.05.2025 | Train |
| 10032 | R | Check visually that all left doors are open | OK | Mlungisi Madela 529927 06.05.2025 | Train |
| 10033 | A | Press the auth button 50S6 to open right doors | OK | Mlungisi Madela 529927 06.05.2025 | Train |
| 10034 | R | Check visually that all right doors are open | OK | Mlungisi Madela 529927 06.05.2025 | Train |
| 10035 | A | Press the button 50S3 to close all the left doors | OK | Mlungisi Madela 529927 | Train |

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| 10036 | R | Check visually that all left doors are closed | | OK | | Mlungisi Madela 529927 06.05.2025 | Train |
| 10037 | A | Press the button 50S4 to close all right doors | | OK | | Mlungisi Madela 529927 06.05.2025 | Train |
| 10038 | R | Check visually that all right doors are closed | | OK | | Mlungisi Madela 529927 06.05.2025 | Train |
| 10039 | I | Emergency Brake TC1 | | OK | | Mlungisi Madela 529927 06.05.2025 | Train |
| 10040 | A | Put the direction selector switch in FORWARD position | | OK | | Mlungisi Madela 529927 06.05.2025 | Train |
| 10041 | A | Apply emergency brake using the red button 44S1 | | OK | | Mlungisi Madela 529927 06.05.2025 | Train |
| 10042 | R | Emergency brake is applied, lamp 44H4 is ON | | OK | | Mlungisi Madela 529927 06.05.2025 | Train |
| 10043 | R | Verify the pressure of the brake cylinder on the pneumatic gauge on the driver's desk | | OK | | Mlungisi Madela 529927 06.05.2025 | Train |
| 10044 | A | Release the emergency brake button 44S1 | | OK | | Mlungisi Madela 529927 06.05.2025 | Train |
| 10045 | A | Put the direction selector switch in NEUTRAL position and again in FORWARD position to reset the emergency brake | | OK | | Mlungisi Madela 529927 06.05.2025 | Train |
| 10046 | A | Apply emergency brake using by putting the Master Controller in Emergency brake position | | OK | | Mlungisi Madela 529927 06.05.2025 | Train |
| 10047 | R | Emergency brake is applied, lamp 44H4 is ON | | OK | | Mlungisi Madela 529927 06.05.2025 | Train |
| 10048 | A | Put the Master controller in OFF position | | OK | | Mlungisi Madela 529927 06.05.2025 | Train |
| 10049 | A | Put the direction selector switch in NEUTRAL position | | OK | | Mlungisi Madela 529927 06.05.2025 | Train |
| 10050 | A | Switch OFF the train by putting the switch 18S1 in OFF position | | OK | | Mlungisi Madela 529927 06.05.2025 | Train |
| 10051 | A | Remove active cab on TC1 | | OK | | Mlungisi Madela 529927 06.05.2025 | Train |
| 10052 | I | Back-up Mode TC2 | | OK | | Mlungisi Madela 529927 06.05.2025 | Train |
| 10053 | R | Train is OFF | | OK | | Mlungisi Madela 529927 06.05.2025 | Train |

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|-------|---|---|---|----|--|---|-------|
| 10054 | A | Active Cab on TC2 | | OK | | Mlungisi Madela 529927 06.05.2025 | Train |
| 10055 | A | Switch ON the train using battery contactor 18S1 | | OK | | Mlungisi Madela 529927 06.05.2025 | Train |
| 10056 | R | Train start-up in Normal mode, the TCMS is available on the DDU screen | | OK | | Mlungisi Madela 529927 06.05.2025 | Train |
| 10057 | A | Put the backup mode switch 27S1 in BACKUP position | | OK | | Mlungisi Madela 529927 06.05.2025 | Train |
| 10058 | R | The TCMS is no longer available on the DDU screen | | OK | | Mlungisi Madela 529927 06.05.2025 | Train |
| 10059 | R | Lamp 27H2 is ON |  | OK | | Mlungisi Madela 529927 06.05.2025 | Train |
| 10060 | A | Timer 60.0 S | | OK | | Mlungisi Madela 529927 06.05.2025 | Train |
| 10061 | R | Both pantographs are raised | | OK | | Mlungisi Madela 529927 06.05.2025 | Train |
| 10062 | R | Both HSCBs are closed | | OK | | Mlungisi Madela 529927 06.05.2025 | Train |
| 10063 | R | Both ACUs are operational, sound can be heard from outside the train | | OK | | Mlungisi Madela 529927 06.05.2025 | Train |
| 10064 | R | All four traction units are in operation, sound can be heard from outside the train | | OK | | Mlungisi Madela 529927 06.05.2025 | Train |
| 10065 | R | There is a gradual increase in the main pipe pressure | | OK | | Mlungisi Madela 529927 06.05.2025 | Train |
| 10066 | R | HVAC units are operational in all cars | | OK | | Mlungisi Madela 529927 06.05.2025 | Train |
| 10067 | R | Emergency lighting is ON in all cars | | OK | | Mlungisi Madela 529927 06.05.2025 | Train |
| 10068 | I | Traction authorization TC2 | | OK | | Mlungisi Madela 529927 06.05.2025 | Train |
| 10069 | A | Put the direction selector switch in FORWARD position | | OK | | Mlungisi Madela 529927 06.05.2025 | Train |
| 10070 | R | TA is authorized | | OK | | Mlungisi Madela 529927 06.05.2025 | Train |
| 10071 | R | Lamp 31H1 is "ON" on the alarm module | | OK | | Mlungisi Madela 529927 06.05.2025 | Train |
| 10072 | R | Relay 31K1 and 31K2 are energized | | OK | | Mlungisi Madela 529927 | Train |

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| | | | | | | 06.05.2025 | |
| 10073 | A | Put the direction selector switch in NEUTRAL position | | OK | | Mlungisi Madela 529927 06.05.2025 | Train |
| 10074 | R | TA is not authorized | | OK | | Mlungisi Madela 529927 06.05.2025 | Train |
| 10075 | R | Lamp 31H1 is OFF on the alarm module | | OK | | Mlungisi Madela 529927 06.05.2025 | Train |
| 10076 | R | Relay 31K1 and 31K2 are de-energized | | OK | | Mlungisi Madela 529927 06.05.2025 | Train |
| 10077 | I | Doors Operation TC2 | | OK | | Mlungisi Madela 529927 06.05.2025 | Train |
| 10078 | A | Press the auth button 50S5 to open left doors | | OK | | Mlungisi Madela 529927 06.05.2025 | Train |
| 10079 | R | Check visually that all left doors are open | | OK | | Mlungisi Madela 529927 06.05.2025 | Train |
| 10080 | A | Press the auth button 50S6 to open right doors | | OK | | Mlungisi Madela 529927 06.05.2025 | Train |
| 10081 | R | Check visually that all right doors are open | | OK | | Mlungisi Madela 529927 06.05.2025 | Train |
| 10082 | A | Press the button 50S3 to close all the left doors | | OK | | Mlungisi Madela 529927 06.05.2025 | Train |
| 10083 | A | Put the direction selector switch in FORWARD position | | OK | | Mlungisi Madela 529927 06.05.2025 | Train |
| 10084 | R | Check visually that all left doors are closed | | OK | | Mlungisi Madela 529927 06.05.2025 | Train |
| 10085 | A | Press the button 50S4 to close all right doors | | OK | | Mlungisi Madela 529927 06.05.2025 | Train |
| 10086 | R | Check visually that all right doors are closed | | OK | | Mlungisi Madela 529927 06.05.2025 | Train |
| 10087 | I | Emergency Brake TC2 | | OK | | Mlungisi Madela 529927 06.05.2025 | Train |
| 10088 | A | Put the direction selector switch in NEUTRAL and again in FORWARD position to reset the emergency brake | | OK | | Mlungisi Madela 529927 06.05.2025 | Train |
| 10089 | A | Apply emergency brake using the red button 44S1 | | OK | | Mlungisi Madela 529927 06.05.2025 | Train |
| 10090 | R | Verify the pressure of the brake cylinder on the pneumatic gauge on the driver's desk | | OK | | Mlungisi Madela 529927 06.05.2025 | Train |

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|-------|---|--|--|----|--|---|-------|
| 10091 | R | Release the emergency brake button 44S1 | | OK | | Mlungisi Madela 529927 06.05.2025 | Train |
| 10092 | A | Apply emergency brake using by putting the Master controller is Emergency brake position | | OK | | Mlungisi Madela 529927 06.05.2025 | Train |
| 10093 | R | Emergency brake is applied, lamp 44H4 is ON | | OK | | Mlungisi Madela 529927 06.05.2025 | Train |
| 10094 | A | Put the Master controller in OFF position | | OK | | Mlungisi Madela 529927 06.05.2025 | Train |
| 10095 | R | Emergency brake is applied | | OK | | Mlungisi Madela 529927 06.05.2025 | Train |
| 10096 | A | Put the direction selector switch in NEUTRAL position and again in FORWARD position to reset the emergency brake | | OK | | Mlungisi Madela 529927 06.05.2025 | Train |
| 10097 | I | Emergency Disconnection TC2 | | OK | | Mlungisi Madela 529927 06.05.2025 | Train |
| 10098 | A | Push the button 27S5 to disconnect pantographs and open HSCBs | | OK | | Mlungisi Madela 529927 06.05.2025 | Train |
| 10099 | R | Both pantographs are lower and HSCBs are open | | OK | | Mlungisi Madela 529927 06.05.2025 | Train |
| 10100 | A | Release the button 27S5 | | OK | | Mlungisi Madela 529927 06.05.2025 | Train |
| 10101 | A | Put the direction selector switch in NEUTRAL position | | OK | | Mlungisi Madela 529927 06.05.2025 | Train |
| 10102 | A | Switch OFF the train by putting the switch 18S1 in OFF position | | OK | | Mlungisi Madela 529927 06.05.2025 | Train |
| 10103 | R | Train is OFF | | OK | | Mlungisi Madela 529927 06.05.2025 | Train |
| 10104 | A | Restart the train in Normal mode | | OK | | Mlungisi Madela 529927 06.05.2025 | Train |
| 10105 | I | End of Test | | OK | | Mlungisi Madela 529927 06.05.2025 | Train |



Serial Tests Report
TS280 – TFS
RTR Train Functional Static Test Report

Document Reference
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Version: A0

Emission date
16/05/2025

Section 22 – ERTMS

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 | | Alleta Sekgololo 417407 06.05.2025 | Train |
| 10002 | I | Safety Precautions | | OK | | Alleta Sekgololo 417407 06.05.2025 | Train |
| 10003 | R | The ERTMS Warning Signs are attached in both ends underneath | | OK | | Alleta Sekgololo 417407 06.05.2025 | Train |
| 10004 | I | No one should go near the Eurobalise Antennas during the test | | OK | | Alleta Sekgololo 417407 06.05.2025 | Train |
| 10005 | I | EVC Mechanical Check + Software Upload [12-36-28-9-33-11-335692_ERTMS%20Unit%20Mechanical%20Check.pdf] |  | OK | | Alleta Sekgololo 417407 06.05.2025 | Train |
| 10006 | I | Upload the ODE software using the following procedure. [12-37-51-9-34-27-335693_EVC%20Software%20Upload.pdf] |  | OK | | Alleta Sekgololo 417407 06.05.2025 | Train |
| 10007 | I | Upload the COMET software using the following procedure. [12-39-18-9-35-2-335694_COMET%20Upload%20SW%202.57%20or%20more.pdf] |  | OK | | Alleta Sekgololo 417407 06.05.2025 | Train |
| 10008 | A | Record the serial number of the sim card insert the Sim Cards inside the GSM-R module MT1 and MT2: [12-41-30-9-35-48-335695_Sim%20Card%20Installation.pdf] |  | OK | | Alleta Sekgololo 417407 06.05.2025 | Train |
| 10009 | R | Serial number for sim card installed on MT1Result Min : 99999<= x () | | OK | 89260420160520001789 | Alleta Sekgololo 417407 06.05.2025 | Train |
| 10010 | R | Serial number for sim card installed on MT2Result Min : 99999<= x () | | OK | 89260420160520001790 | Alleta Sekgololo 417407 06.05.2025 | Train |
| 10011 | I | ERTMS Complete Test | | OK | | Alleta Sekgololo 417407 07.05.2025 | Train |
| 10012 | I | Perform the complete static test using the following procedure: [247185_ERTMS Functional Test_Rev1.pdf] |  | OK | | Alleta Sekgololo 417407 07.05.2025 | Train |

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|-------|---|---|--|----|---|---|-------|
| 10013 | R | Static Test is complete | | OK | | Alleta Sekgololo 417407 07.05.2025 | Train |
| 10014 | I | ERTMS Functional Test | | OK | | Alleta Sekgololo 417407 07.05.2025 | Train |
| 10015 | I | The functional test should only be performed once ALL the software has been loaded and the Complete Test is done. | | OK | | Alleta Sekgololo 417407 07.05.2025 | Train |
| 10016 | I | ERTMS Bypass | | OK | | Sithembile Xulu 416253 07.05.2025 | Train |
| 10017 | A | Activate cab TC1 | | OK | | Sithembile Xulu 416253 07.05.2025 | Train |
| 10018 | A | Put the ERTMS isolation switch 62S1 in ISOLATION position | | OK | | Sithembile Xulu 416253 07.05.2025 | 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 | | Sithembile Xulu 416253 07.05.2025 | Train |
| 10020 | R | Read Defined Variable [TT] (MPU1)li_ets_tc1ertmsbypassr1 = 1.0 | | OK | 1 | Sithembile Xulu 416253 07.05.2025 | Train |
| 10021 | R | Read Defined Variable [TT] (MPU1)li_ets_tc1ertmsbypassr2 = 1.0 | | OK | 1 | Sithembile Xulu 416253 07.05.2025 | Train |
| 10022 | R | ERTMS bypass led 62H1 is "ON" on alarm module | | OK | | Sithembile Xulu 416253 07.05.2025 | Train |
| 10023 | R | ERTMS HMI is OFF on TC1 | | OK | | Sithembile Xulu 416253 07.05.2025 | Train |
| 10024 | R | ERTMS EVC unit is OFF | | OK | | Sithembile Xulu 416253 07.05.2025 | Train |
| 10025 | R | The cold movement detector is ON | | OK | | Sithembile Xulu 416253 07.05.2025 | Train |
| 10026 | A | Put the direction selector switch in FORWARD position | | OK | | Sithembile Xulu 416253 07.05.2025 | Train |

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|-------|---|---|--|----|---|---|-------|
| 10027 | A | Put the Master controller in EMERGENCY BRAKE position | | OK | | Sithembile Xulu 416253 07.05.2025 | Train |
| 10028 | R | Read Defined Variable [TT] UBK_EmgcyBrkApld = 1.0 | | OK | 1 | Sithembile Xulu 416253 07.05.2025 | Train |
| 10029 | A | Put Master controller in OFF position | | OK | | Sithembile Xulu 416253 07.05.2025 | Train |
| 10030 | A | Put the direction selector switch in NEUTRAL position and again in FORWARD position | | OK | | Sithembile Xulu 416253 07.05.2025 | Train |
| 10031 | R | Read Defined Variable [TT] UBK_EmgcyBrkApld = 0.0 | | OK | 0 | Sithembile Xulu 416253 07.05.2025 | Train |
| 10032 | A | Put the direction selector switch in NEUTRAL position | | OK | | Sithembile Xulu 416253 07.05.2025 | Train |
| 10033 | A | Put ERTMS isolation switch 62S1 in NORMAL position | | OK | | Sithembile Xulu 416253 07.05.2025 | Train |
| 10034 | R | Read Defined Variable [TT] (MPU1)li_ets_tc1ertmsbypassr1 = 0.0 | | OK | 0 | Sithembile Xulu 416253 07.05.2025 | Train |
| 10035 | R | Read Defined Variable [TT] (MPU1)li_ets_tc1ertmsbypassr2 = 0.0 | | OK | 0 | Sithembile Xulu 416253 07.05.2025 | Train |
| 10036 | R | ERTMS bypass led 62H1 is OFF on alarm module | | OK | | Sithembile Xulu 416253 07.05.2025 | Train |
| 10037 | R | ERTMS HMI is ON in TC1 | | OK | | Sithembile Xulu 416253 07.05.2025 | Train |
| 10038 | I | ERTMS Fault Monitoring (SPP M 62/13) | | OK | | Sithembile Xulu 416253 07.05.2025 | Train |
| 10039 | A | Open circuit breaker S01 on ERTMS -62A1 module | | OK | | Sithembile Xulu 416253 07.05.2025 | Train |
| 10040 | A | In M2 car, open the circuit breaker 25Q6 | | OK | | Sithembile Xulu 416253 07.05.2025 | Train |

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|-------|---|--|--|----|---|--|-------|
| 10041 | A | Remove -62XP1_X06 connector | | OK | | Sithembile Xulu 416253 07.05.2025 | Train |
| 10042 | A | In M2 car, close the circuit breaker 25Q6 | | OK | | Sithembile Xulu 416253 07.05.2025 | Train |
| 10043 | R | Read Defined Variable [TT] (MPU1)li_ets_m2ertmsdcdc = 0.0 | | OK | 0 | Sithembile Xulu 416253 07.05.2025 | Train |
| 10044 | R | Read Defined Variable [TT] (MPU1)li_ets_m2ertmscb = 0.0 | | OK | 0 | Sithembile Xulu 416253 07.05.2025 | Train |
| 10045 | R | Read Defined Variable [TT] (MPU1)li_ets_m2ertmstemp = 0.0 | | OK | 0 | Sithembile Xulu 416253 07.05.2025 | Train |
| 10046 | R | Read Defined Variable [TT] (MPU1)li_ets_m2ertmsfan = 0.0 | | OK | 0 | Sithembile Xulu 416253 07.05.2025 | Train |
| 10047 | I | TEMPERATURE + FAN | | OK | | Sithembile Xulu 416253 07.05.2025 | Train |
| 10048 | A | In M2 car, open the circuit breaker 25Q6 | | OK | | Sithembile Xulu 416253 07.05.2025 | Train |
| 10049 | A | Apply a shunt between pins 42 and 60, pin 78 and 96 on -62XP1_X06 connector. | | OK | | Sithembile Xulu 416253 07.05.2025 | Train |
| 10050 | A | In M2 car, close the circuit breaker 25Q6 | | OK | | Sithembile Xulu 416253 07.05.2025 | Train |
| 10051 | R | Read Defined Variable [TT] (MPU1)li_ets_m2ertmstemp = 1.0 | | OK | 1 | Sithembile Xulu 416253 07.05.2025 | Train |
| 10052 | R | Read Defined Variable [TT] (MPU1)li_ets_m2ertmsfan = 1.0 | | OK | 1 | Sithembile Xulu 416253 07.05.2025 | Train |
| 10053 | A | In M2 car, open the circuit breaker 25Q6 | | OK | | Sithembile Xulu 416253 07.05.2025 | Train |
| 10054 | A | Remove all jumpers and put back the connector -62XP1_X06 | | OK | | Sithembile Xulu 416253 07.05.2025 | Train |

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|-------|---|--|--|----|---|--|-------|
| 10055 | A | In M2 car, close the circuit breaker 25Q6 | | OK | | Sithembile Xulu 416253 07.05.2025 | Train |
| 10056 | A | Close circuit breaker S01 on ERTMS -62A1 module | | OK | | Sithembile Xulu 416253 07.05.2025 | Train |
| 10057 | R | Read Defined Variable [TT] (MPU1)li_ets_m2ertmsdc dc = 1.0 | | OK | 1 | Sithembile Xulu 416253 07.05.2025 | Train |
| 10058 | R | Read Defined Variable [TT] (MPU1)li_ets_m2ertmstemp = 1.0 | | OK | 1 | Sithembile Xulu 416253 07.05.2025 | Train |
| 10059 | I | 110v/24v converters | | OK | | Sithembile Xulu 416253 07.05.2025 | Train |
| 10060 | A | Open circuit breaker S01 on ERTMS -62A1 module | | OK | | Sithembile Xulu 416253 07.05.2025 | Train |
| 10061 | A | In M2 car, open the circuit breaker 25Q6 | | OK | | Sithembile Xulu 416253 07.05.2025 | Train |
| 10062 | A | Remove one DC/DC power supply | | OK | | Sithembile Xulu 416253 07.05.2025 | Train |
| 10063 | A | In M2 car, close the circuit breaker 25Q6 | | OK | | Sithembile Xulu 416253 07.05.2025 | Train |
| 10064 | A | Close circuit breaker S01 on ERTMS -62A1 module | | OK | | Sithembile Xulu 416253 07.05.2025 | Train |
| 10065 | R | Read Defined Variable [TT] (MPU1)li_ets_m2ertmsdc dc = 0.0 | | OK | 0 | Sithembile Xulu 416253 07.05.2025 | Train |
| 10066 | A | Open circuit breaker S01 on ERTMS -62A1 module | | OK | | Sithembile Xulu 416253 07.05.2025 | Train |
| 10067 | A | In M2 car, open the circuit breaker 25Q6 | | OK | | Sithembile Xulu 416253 07.05.2025 | Train |
| 10068 | A | Put back the DC/DC power supply | | OK | | Sithembile Xulu 416253 07.05.2025 | Train |

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|-------|---|--|--|----|---|---|-------|
| 10069 | I | INTERNAL CIRCUIT BREAKERS | | OK | | Sithembile Xulu 416253 07.05.2025 | Train |
| 10070 | A | In M2 car, close the circuit breaker 25Q6 | | OK | | Sithembile Xulu 416253 07.05.2025 | Train |
| 10071 | A | Close circuit breaker S01 on ERTMS -62A1 module | | OK | | Sithembile Xulu 416253 07.05.2025 | Train |
| 10072 | A | Open circuit breaker F01 and close all other circuit breakers from F02 - F20 | | OK | | Sithembile Xulu 416253 07.05.2025 | Train |
| 10073 | R | Read Defined Variable [TT] (MPU1)li_ets_m2ertmscb = 0.0 | | OK | 0 | Sithembile Xulu 416253 07.05.2025 | Train |
| 10074 | A | Close circuit breaker F01 on ERTMS -62A1 module | | OK | | Sithembile Xulu 416253 07.05.2025 | Train |
| 10075 | R | Read Defined Variable [TT] (MPU1)li_ets_m2ertmscb = 1.0 | | OK | 1 | Sithembile Xulu 416253 07.05.2025 | Train |
| 10076 | A | Open circuit breaker S01 on ERTMS -62A1 module | | OK | | Sithembile Xulu 416253 07.05.2025 | Train |
| 10077 | R | ERTMS EVC unit is OFF | | OK | | Sithembile Xulu 416253 07.05.2025 | Train |
| 10078 | A | Normalize everything inside LV4 and leave all circuit breakers closed. | | OK | | Sithembile Xulu 416253 07.05.2025 | Train |
| 10079 | I | End of Test | | OK | | Sithembile Xulu 416253 07.05.2025 | Train |





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| Serial Tests Report TS280 – TFS RTR Train Functional Static Test Report | Document Reference GIB0000008079 Version: A0 | Emission date 16/05/2025 |
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Section 23 – On-board train data recorder

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 | | Paseka Ditlhakanyane 491468 06.05.2025 | Train |
| 10002 | I | Initial Conditions | | OK | | Paseka Ditlhakanyane 491468 06.05.2025 | Train |
| 10003 | I | Software must be updated in the OTDR with the latest baseline following below procedure |  | OK | | Paseka Ditlhakanyane 491468 06.05.2025 | Train |
| 10004 | I | Software must be updated in the CPM according to the latest baseline following the below procedure |  | OK | | Paseka Ditlhakanyane 491468 06.05.2025 | Train |
| 10005 | I | Train should be OFF | | OK | | Paseka Ditlhakanyane 491468 06.05.2025 | Train |
| 10006 | I | Start of Test | | OK | | Paseka Ditlhakanyane 491468 06.05.2025 | Train |
| 10007 | A | Prepare the train with active cabin on TC1 | | OK | | Paseka Ditlhakanyane 491468 06.05.2025 | Train |
| 10008 | R | Read Defined Variable [TT] PNT_AllPantoRaised = 1.0 | | OK | 1 | Paseka Ditlhakanyane 491468 06.05.2025 | Train |
| 10009 | R | Read Defined Variable [TT] HSC_HscbClosedNum = 2.0 | | OK | 2 | Paseka Ditlhakanyane 491468 06.05.2025 | Train |
| 10010 | I | Speedometer Test TC1 | | OK | | Paseka Ditlhakanyane 491468 06.05.2025 | Train |
| 10011 | A | Remove Active Cabin on TC1 and activate it again | | OK | | Paseka Ditlhakanyane 491468 06.05.2025 | Train |
| 10012 | R | The speedometer indicator jumps from 0km/h to 200km/h and back within 3s | | OK | | Paseka Ditlhakanyane 491468 06.05.2025 | Train |
| 10013 | R | Speedometer lamp is ON | | OK | | Paseka Ditlhakanyane 491468 06.05.2025 | Train |
| 10014 | A | Force [TT] (MPU1)lo_rec_tc2speedindtest = 1.0 | | OK | | Paseka Ditlhakanyane 491468 06.05.2025 | Train |
| 10015 | R | The speedometer indicator jumps from 0km/h to 200km/h and back within 3s | | OK | | Paseka Ditlhakanyane 491468 06.05.2025 | Train |
| 10016 | A | Release [TT] (MPU1)lo_rec_tc2speedindtest | | OK | | Paseka Ditlhakanyane 491468 06.05.2025 | Train |

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|-------|---|---|--|----|--|--|-------|
| 10017 | I | OTDR Reset | | OK | | Paseka Ditlhakanyane 491468 06.05.2025 | Train |
| 10018 | I | When OTDR is resetting, the power supply LED will go OFF and ON | | OK | | Paseka Ditlhakanyane 491468 06.05.2025 | Train |
| 10019 | A | Force [TT] (MPU1)lo_ets_tc2rstotdrr1 = 1.0 | | OK | | Paseka Ditlhakanyane 491468 06.05.2025 | Train |
| 10020 | A | Force [TT] (MPU1)lo_ets_tc2rstotdrr2 = 1.0 | | OK | | Paseka Ditlhakanyane 491468 06.05.2025 | Train |
| 10021 | R | OTDR is OFF | | OK | | Paseka Ditlhakanyane 491468 06.05.2025 | Train |
| 10022 | I | During OTDR reset, the driver receives a warning about a loss in the OTDR. | | OK | | Paseka Ditlhakanyane 491468 06.05.2025 | Train |
| 10023 | A | Release [TT] (MPU1)lo_ets_tc2rstotdrr1 | | OK | | Paseka Ditlhakanyane 491468 06.05.2025 | Train |
| 10024 | A | Release [TT] (MPU1)lo_ets_tc2rstotdrr2 | | OK | | Paseka Ditlhakanyane 491468 06.05.2025 | Train |
| 10025 | I | OTDR is ON and reset | | OK | | Paseka Ditlhakanyane 491468 06.05.2025 | Train |
| 10026 | I | Data Recording | | OK | | Paseka Ditlhakanyane 491468 06.05.2025 | Train |
| 10027 | I | Please note the time one the DDU screen before performing the actions below | | OK | | Paseka Ditlhakanyane 491468 06.05.2025 | Train |
| 10028 | A | Put the Traction Interlock Switch 31S1 in OVERRIDE position | | OK | | Paseka Ditlhakanyane 491468 06.05.2025 | Train |
| 10029 | A | Put the Traction Interlock Switch 31S1 in NORMAL position | | OK | | Paseka Ditlhakanyane 491468 06.05.2025 | Train |
| 10030 | A | Pull any PEA on train | | OK | | Paseka Ditlhakanyane 491468 06.05.2025 | Train |
| 10031 | A | Acknowledge the PEA using the button 54S3 | | OK | | Paseka Ditlhakanyane 491468 06.05.2025 | Train |
| 10032 | A | Reset PEA using Switch 44S6 | | OK | | Paseka Ditlhakanyane 491468 06.05.2025 | Train |
| 10033 | A | Put the emergency brake loop override switch 44S2 in BYPASS position | | OK | | Paseka Ditlhakanyane 491468 06.05.2025 | Train |
| 10034 | A | Put the emergency brake loop override switch 44S2 in NORMAL position | | OK | | Paseka Ditlhakanyane 491468 06.05.2025 | Train |
| 10035 | A | Open HSCB using 22S12 | | OK | | Paseka Ditlhakanyane 491468 | Train |

| | | | | | | 06.05.2025 | |
|-------|---|---|--|----|--|--|-------|
| 10036 | A | Put the Direction Selector Switch in FORWARD position | | OK | | Paseka Ditlhakanyane 491468 06.05.2025 | Train |
| 10037 | A | Put the Direction Selector Switch in NEUTRAL position | | OK | | Paseka Ditlhakanyane 491468 06.05.2025 | Train |
| 10038 | A | Put the Direction Selector Switch in REVERSE position | | OK | | Paseka Ditlhakanyane 491468 06.05.2025 | Train |
| 10039 | A | Put the Driving Mode Switch to COUPLE/WASH mode | | OK | | Paseka Ditlhakanyane 491468 06.05.2025 | Train |
| 10040 | A | Before the next step verify that the HSCB is OPEN on the DDU - There is a risk of train movement | | OK | | Paseka Ditlhakanyane 491468 06.05.2025 | Train |
| 10041 | A | Put the Master Controller in TRACTION position | | OK | | Paseka Ditlhakanyane 491468 06.05.2025 | Train |
| 10042 | A | Put the Master Controller in BRAKE position | | OK | | Paseka Ditlhakanyane 491468 06.05.2025 | Train |
| 10043 | A | Put the Master Controller in OFF position | | OK | | Paseka Ditlhakanyane 491468 06.05.2025 | Train |
| 10044 | A | Put the Direction Selector Switch in NEUTRAL position | | OK | | Paseka Ditlhakanyane 491468 06.05.2025 | Train |
| 10045 | A | Push the RED Emergency brake button 44S1 | | OK | | Paseka Ditlhakanyane 491468 06.05.2025 | Train |
| 10046 | A | Release Emergency brake button | | OK | | Paseka Ditlhakanyane 491468 06.05.2025 | Train |
| 10047 | A | Put the Door authorization Selector Switch 50S7 in DRIVER position | | OK | | Paseka Ditlhakanyane 491468 06.05.2025 | Train |
| 10048 | A | Press the right door authorization button 50S6 | | OK | | Paseka Ditlhakanyane 491468 06.05.2025 | Train |
| 10049 | A | Press the right door open button 50S2 again and then close the door the right doors using button 50S4 | | OK | | Paseka Ditlhakanyane 491468 06.05.2025 | Train |
| 10050 | A | Press the left door authorization button 50S5 | | OK | | Paseka Ditlhakanyane 491468 06.05.2025 | Train |
| 10051 | A | Press the left door open button 50S1 again and then close the door the left doors using button 50S3 | | OK | | Paseka Ditlhakanyane 491468 06.05.2025 | Train |
| 10052 | A | Put the Door authorization Selector Switch 50S7 in ERTMS position | | OK | | Paseka Ditlhakanyane 491468 06.05.2025 | Train |
| 10053 | A | Put the ERTMS isolation switch 62S1 in ISOLATION position | | OK | | Paseka Ditlhakanyane 491468 06.05.2025 | Train |

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|-------|---|---|---|----|--|--|-------|
| 10054 | A | Put the ERTMS isolation switch 62S1 in NORMAL position | | OK | | Paseka Ditlhakanyane 491468 06.05.2025 | Train |
| 10055 | A | Note the time on the DDU | | OK | | Paseka Ditlhakanyane 491468 06.05.2025 | Train |
| 10056 | A | Put the backup mode switch 27S1 in BACKUP position | | OK | | Paseka Ditlhakanyane 491468 06.05.2025 | Train |
| 10057 | A | Switch OFF the train on TC1 cab | | OK | | Paseka Ditlhakanyane 491468 06.05.2025 | Train |
| 10058 | A | Put the backup Mode switch in NORMAL position | | OK | | Paseka Ditlhakanyane 491468 06.05.2025 | Train |
| 10059 | A | Switch active cab to TC2 | | OK | | Paseka Ditlhakanyane 491468 06.05.2025 | Train |
| 10060 | I | Events download | | OK | | Paseka Ditlhakanyane 491468 06.05.2025 | Train |
| 10061 | A | Switch ON the train from TC2 side | | OK | | Paseka Ditlhakanyane 491468 06.05.2025 | Train |
| 10062 | A | Note the time on the DDU | | OK | | Paseka Ditlhakanyane 491468 06.05.2025 | Train |
| 10063 | I | Use the time noted down before and after recording the data to check the events | | OK | | Paseka Ditlhakanyane 491468 06.05.2025 | Train |
| 10064 | A | Connect to the OTDR via TCMS network and download the two latest events files. See the manual below |  | OK | | Paseka Ditlhakanyane 491468 06.05.2025 | Train |
| 10065 | A | Connect to the CPM front face RJ45 port and download the latest events file. See the manual below |  | OK | | Paseka Ditlhakanyane 491468 06.05.2025 | Train |
| 10066 | I | Data Recorded Reading | | OK | | Paseka Ditlhakanyane 491468 06.05.2025 | Train |
| 10067 | A | Use SAM5 build 81 software to read data recorded from the OTDR. For the CPM use SAM5 build 88 | | OK | | Paseka Ditlhakanyane 491468 06.05.2025 | Train |
| 10068 | I | The recorded data must be in the sequence as logged above. NB time for activation and deactivation of each input must be within the time at which the test was performed. See example below for recorded data |  | OK | | Paseka Ditlhakanyane 491468 06.05.2025 | Train |
| 10069 | R | CAB TC1 ACTIVE: ON | | OK | | Paseka Ditlhakanyane 491468 06.05.2025 | Train |
| 10070 | R | CAB TC2 ACTIVE: OFF | | OK | | Paseka Ditlhakanyane 491468 06.05.2025 | Train |
| 10071 | R | TRACTION INTERLOCK BYPASS: ON | | OK | | Paseka Ditlhakanyane 491468 | Train |

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| | | | | | | 06.05.2025 | |
| 10072 | R | TRACTION INTERLOCK BYPASS: OFF | | OK | | Paseka Ditlhakanyane 491468 06.05.2025 | Train |
| 10073 | R | BRAKE APPLIED: ON | | OK | | Paseka Ditlhakanyane 491468 06.05.2025 | Train |
| 10074 | R | PEA LOOP(OTDR): OFF | | OK | | Paseka Ditlhakanyane 491468 06.05.2025 | Train |
| 10075 | R | PEA LOOP(OTDR): ON | | OK | | Paseka Ditlhakanyane 491468 06.05.2025 | Train |
| 10076 | R | EMERGENCY BRAKE LOOP OVERRIDE: OFF | | OK | | Paseka Ditlhakanyane 491468 06.05.2025 | Train |
| 10077 | R | EMERGENCY BRAKE LOOP OVERRIDE: ON | | OK | | Paseka Ditlhakanyane 491468 06.05.2025 | Train |
| 10078 | R | FORWARD: ON | | OK | | Paseka Ditlhakanyane 491468 06.05.2025 | Train |
| 10079 | R | TRACTION: ON | | OK | | Paseka Ditlhakanyane 491468 06.05.2025 | Train |
| 10080 | R | BRAKE APPLIED: OFF | | OK | | Paseka Ditlhakanyane 491468 06.05.2025 | Train |
| 10081 | R | NO BRAKE: ON | | OK | | Paseka Ditlhakanyane 491468 06.05.2025 | Train |
| 10082 | R | NO BRAKE: OFF | | OK | | Paseka Ditlhakanyane 491468 06.05.2025 | Train |
| 10083 | R | FORWARD: OFF | | OK | | Paseka Ditlhakanyane 491468 06.05.2025 | Train |
| 10084 | R | TRACTION: OFF | | OK | | Paseka Ditlhakanyane 491468 06.05.2025 | Train |
| 10085 | R | REVERSE: OFF | | OK | | Paseka Ditlhakanyane 491468 06.05.2025 | Train |
| 10086 | R | REVERSE: ON | | OK | | Paseka Ditlhakanyane 491468 06.05.2025 | Train |
| 10087 | R | EMERGENCY BRAKE TRAINLINE: OFF | | OK | | Paseka Ditlhakanyane 491468 06.05.2025 | Train |
| 10088 | R | EMERGENCY BRAKE TRAINLINE: ON | | OK | | Paseka Ditlhakanyane 491468 06.05.2025 | Train |
| 10089 | R | DOOR AUTH LEFT TRAINLINE: OFF | | OK | | Paseka Ditlhakanyane 491468 06.05.2025 | Train |

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| 10090 | R | DOOR AUTH LEFT TRAINLINE: ON | OK | Paseka Ditlhakanyane 491468 06.05.2025 | Train |
| 10091 | R | DOOR AUTH RIGHT TRAINLINE: ON | OK | Paseka Ditlhakanyane 491468 06.05.2025 | Train |
| 10092 | R | DOOR AUTH RIGHT TRAINLINE: OFF | OK | Paseka Ditlhakanyane 491468 06.05.2025 | Train |
| 10093 | R | ERTMS BYPASS: OFF | OK | Paseka Ditlhakanyane 491468 06.05.2025 | Train |
| 10094 | R | ERTMS BYPASS: ON | OK | Paseka Ditlhakanyane 491468 06.05.2025 | Train |
| 10095 | R | BACKUP MODE: OFF | OK | Paseka Ditlhakanyane 491468 06.05.2025 | Train |
| 10096 | R | BACKUP MODE: ON | OK | Paseka Ditlhakanyane 491468 06.05.2025 | Train |
| 10097 | R | CAB TC1 ACTIVE: OFF | OK | Paseka Ditlhakanyane 491468 06.05.2025 | Train |
| 10098 | R | CAB TC2 ACTIVE: ON | OK | Paseka Ditlhakanyane 491468 06.05.2025 | Train |
| 10099 | A | Save all the downloaded files from CPM and OTDR and put them in a folder named "TSXX_OTDR." Then save the folder to "teams" channel (shift reports) under a specific trainset folder TSXX>Results files> Train level. XX=train number | OK | Paseka Ditlhakanyane 491468 06.05.2025 | Train |
| 10100 | I | Speedometer Test TC2 | OK | Paseka Ditlhakanyane 491468 06.05.2025 | Train |
| 10101 | A | Remove active cab on TC2 and activate it again | OK | Paseka Ditlhakanyane 491468 06.05.2025 | Train |
| 10102 | R | The speedometer indicator jumps from 0km/h to 200km/h and back within 3s | OK | Paseka Ditlhakanyane 491468 06.05.2025 | Train |
| 10103 | R | Speedometer lamp is ON | OK | Paseka Ditlhakanyane 491468 06.05.2025 | Train |
| 10104 | A | Force [TT] (MPU1)lo_rec_tc2speedindtest = 1.0 | OK | Paseka Ditlhakanyane 491468 06.05.2025 | Train |
| 10105 | R | The speedometer indicator jumps from 0km/h to 200km/h and back within 3s | OK | Paseka Ditlhakanyane 491468 06.05.2025 | Train |
| 10106 | R | Speedometer lamp is ON | OK | Paseka Ditlhakanyane 491468 06.05.2025 | Train |

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| 10107 | A | Release [TT] (MPU1)lo_rec_tc2speedindtest | | OK | | Paseka Ditlhakanyane 491468 06.05.2025 | Train |
| 10108 | I | OTDR settings | | OK | | Paseka Ditlhakanyane 491468 06.05.2025 | Train |
| 10109 | A | Force [TT] (MPU2)_REC_TravelledDistanceKm = 10.0 | | OK | | Paseka Ditlhakanyane 491468 06.05.2025 | Train |
| 10110 | A | Force [TT] (MPU1)_REC_TravelledDistanceKm = 10.0 | | OK | | Paseka Ditlhakanyane 491468 06.05.2025 | Train |
| 10111 | R | The total distance on the odometer of the DDU screen is 10km | | OK | | Paseka Ditlhakanyane 491468 06.05.2025 | Train |
| 10112 | A | Release [TT] (MPU1)_REC_TravelledDistanceKm | | OK | | Paseka Ditlhakanyane 491468 06.05.2025 | Train |
| 10113 | A | Release [TT] (MPU2)_REC_TravelledDistanceKm | | OK | | Paseka Ditlhakanyane 491468 06.05.2025 | Train |
| 10114 | A | Configure the OTDR and Data plug according to the settings in the file below |  | OK | | Paseka Ditlhakanyane 491468 06.05.2025 | Train |
| 10115 | R | Train UIC is set to 0120XXX | | OK | | Paseka Ditlhakanyane 491468 06.05.2025 | Train |
| 10116 | R | The Wheel diameter is set to 840mm on the DDU Driver screen | | OK | | Paseka Ditlhakanyane 491468 06.05.2025 | Train |
| 10117 | I | End of Test | | OK | | Paseka Ditlhakanyane 491468 06.05.2025 | Train |





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| Serial Tests Report TS280 – TFS RTR Train Functional Static Test Report | Document Reference GIB0000008079 Version: A0 | Emission date 16/05/2025 |
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Section 24 – External lights and Signaling

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 | | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10002 | I | Initial Conditions | | OK | | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10003 | I | The air in the main should be at least 7.5bar | | OK | | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10004 | I | Start of Test | | OK | | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10005 | I | Windscreen wiper TC1 | | OK | | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10006 | A | Active cab on TC1 | | OK | | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10007 | A | Load the software on the TC1 wiper |  | OK | | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10008 | I | Washer tank is empty | | OK | | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10009 | R | The IOS for low level on water tank appears on the Driver's event list | | OK | | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10010 | R | Read Defined Variable [TT] (MPU1)li_sgl_tc1washerlevel = 0.0 | | OK | 0 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10011 | A | Fill up the washer tank with clean water | | OK | | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10012 | R | Read Defined Variable [TT] (MPU1)li_sgl_tc1washerlevel = 1.0 | | OK | 1 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10013 | R | No IOS regarding low water level on Driver's event list | | OK | | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10014 | I | This test is to verify that the Wiper is centred [302788_Wiper system.pdf] |  | OK | | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10015 | A | Put the wiper switch on Wash position | | OK | | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10016 | R | Water is spraying on the windscreen; the wiper is cleaning the windscreen | | OK | | Alleta Sekgololo 417407 05.05.2025 | Train |

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| 10017 | A | Put the wiper switch to intermittent position | | OK | | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10018 | R | The wiper is operating properly on intermittent position | | OK | | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10019 | A | Put the wiper switch to low speed position | | OK | | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10020 | R | The wiper is operating properly on low speed | | OK | | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10021 | A | Put the wiper switch to high speed position | | OK | | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10022 | R | Verify that the wiper does not lie too much on the left or right | | OK | | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10023 | A | Verify that the area wiped is at least as shown in the image attached |  | OK | | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10024 | A | Put the swiper switch on OFF position | | OK | | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10025 | R | Wiper stops, no water is spraying on windscreen | | OK | | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10026 | I | Mirrors TC1 | | OK | | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10027 | A | Login as a Maintainer ID: 70979080 | | OK | | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10028 | I | It is necessary to open and close each mirror several times to ensure that it is working properly | | OK | | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10029 | A | Press the DOOR AUTH left button 50S5 | | OK | | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10030 | A | Turn the switch 70S10 to the left to open the left mirror | | OK | | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10031 | R | Read Defined Variable [TT] (MPU1)Li_SGL_Tc1LeftMirror = 1.0 | | OK | 1 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10032 | R | Read Defined Variable [TT] (MPU1)Li_SGL_Tc1RightMirror = 0.0 | | OK | 0 | Alleta Sekgololo 417407 05.05.2025 | 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 | | Alleta Sekgololo 417407 09.05.2025 | Train |
| 10034 | R | Verify that there is no leak on the mirror's pneumatic piping | | OK | | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10035 | A | Press 50S3 left door close button | | OK | | Alleta Sekgololo | Train |


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| | | | | | | 417407 05.05.2025 | |
| 10036 | R | The mirror is properly closed | | OK | | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10037 | R | Read Defined Variable [TT] (MPU1)Li_SGL_Tc1LeftMirror = 0.0 | | OK | 0 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10038 | R | Read Defined Variable [TT] (MPU1)Li_SGL_Tc1RightMirror = 0.0 | | OK | 0 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10039 | A | Press the DOOR AUTH right button 50S6 | | OK | | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10040 | A | Turn the switch 70S10 to the right to open the right mirror | | OK | | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10041 | R | Read Defined Variable [TT] (MPU1)Li_SGL_Tc1LeftMirror = 0.0 | | OK | 0 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10042 | R | Read Defined Variable [TT] (MPU1)Li_SGL_Tc1RightMirror = 1.0 | | OK | 1 | Alleta Sekgololo 417407 05.05.2025 | 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 | | Sinazo Mkhwa 529940 07.05.2025 | Train |
| 10044 | R | Verify that there is no leak on the mirror's pneumatic piping | | OK | | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10045 | A | Press 50S4 right door close button | | OK | | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10046 | R | The mirror is properly closed | | OK | | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10047 | R | Read Defined Variable [TT] (MPU1)Li_SGL_Tc1LeftMirror = 0.0 | | OK | 0 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10048 | R | Read Defined Variable [TT] (MPU1)Li_SGL_Tc1RightMirror = 0.0 | | OK | 0 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10049 | A | Press the DOOR AUTH left button 50S5 | | OK | | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10050 | A | Force [TT] (MPU1)lo_sgl_tc1leftmirror = 1.0 | | OK | | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10051 | R | Left mirror is open | | OK | | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10052 | A | Force [TT] (MPU1)lo_sgl_tc1leftmirror = 0.0 | | OK | | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10053 | R | Left mirror closes | | OK | | Alleta Sekgololo 417407 | Train |

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| | | | | | | 05.05.2025 | |
| 10054 | A | Press the DOOR AUTH right button 50S6 | | OK | | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10055 | A | Force [TT] (MPU1)lo_sgl_tc1rightmirror = 1.0 | | OK | | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10056 | R | Right mirror opens | | OK | | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10057 | A | Force [TT] (MPU1)lo_sgl_tc1rightmirror = 0.0 | | OK | | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10058 | R | Right mirror closes | | OK | | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10059 | A | Press the button 50S3 and 50S4 to reset door authorization | | OK | | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10060 | A | Release [TT] (MPU1)lo_sgl_tc1leftmirror | | OK | | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10061 | A | Release [TT] (MPU1)lo_sgl_tc1rightmirror | | OK | | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10062 | A | Isolate the valve H1.5/1 and H1.5/2 | | OK | | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10063 | R | Check that the left and right mirrors can be folded manually | | OK | | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10064 | A | Normalise the valve H1.5/1 and H1.5/2 | | OK | | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10065 | A | Login on the DDU screen using the driver's code 70787878 | | OK | | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10066 | A | Go to Command Screen | | OK | | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10067 | A | Authorise OPEN DOOR LEFT and RIGHT using the button 50S5 and 50S6 respectively | | OK | | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10068 | A | On the DDU Command screen, open the left mirror using the virtual button |  | OK | | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10069 | R | Left mirror opens | | OK | | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10070 | A | Press virtual button to open right mirror |  | OK | | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10071 | R | Right mirror opens | | OK | | Alleta Sekgololo 417407 05.05.2025 | Train |

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|-------|---|--|---|----|---|--|-------|
| 10072 | A | Press the button 50S3 and 50S4 to reset door authorization | | OK | | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10073 | R | Both mirrors close | | OK | | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10074 | A | Remove active cab on TC1 | | OK | | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10075 | I | External visibility TC2 | | OK | | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10076 | I | Windscreen wiper TC2 | | OK | | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10077 | A | Active cab on TC2 | | OK | | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10078 | I | Load the software on the TC2 wiper |  | OK | | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10079 | I | Washer tank is empty | | OK | | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10080 | R | The IOS for low level on water tank appears on the Driver's event list | | OK | | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10081 | R | Read Defined Variable [TT] (MPU1)Li_SGL_Tc2WasherLevel = 0.0 | | OK | 0 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10082 | A | Fill up the washer tank with clean water | | OK | | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10083 | R | Read Defined Variable [TT] (MPU1)Li_SGL_Tc2WasherLevel = 1.0 | | OK | 1 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10084 | R | No IOS regarding low water level on Driver's event list | | OK | | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10085 | I | This test is to verify that the Wiper is centred [302789_Wiper system.pdf] |  | OK | | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10086 | A | Put the swiper switch on Wash position | | OK | | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10087 | R | Water is spraying on the windscreen, the wiper is cleaning the windscreen | | OK | | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10088 | A | Put the wiper switch to intermittent position | | OK | | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10089 | R | The wiper is operating properly on intermittent position | | OK | | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10090 | A | Put the wiper switch to low speed position | | OK | | Alleta Sekgololo 417407 | Train |

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| | | | | | | 05.05.2025 | |
| 10091 | R | The wiper is operating properly on low speed | | OK | | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10092 | A | Put the wiper switch to high speed position | | OK | | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10093 | A | Verify that the wiper does not lie too much on the left or right |  | OK | | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10094 | R | Verify that the area wiped is at least as shown in the image above | | OK | | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10095 | A | Put the wiper switch on OFF position | | OK | | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10096 | R | Wiper stops, no water is spraying on windscreen | | OK | | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10097 | I | Mirrors TC2 | | OK | | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10098 | A | Login as a Driver. ID:70787878 | | OK | | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10099 | I | It is necessary to open and close each mirror several times to ensure that it is working properly | | OK | | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10100 | A | Press the DOOR AUTH left button 50S5 | | OK | | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10101 | A | Turn the switch 70S10 to the left to open the left mirror | | OK | | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10102 | R | Read Defined Variable [TT] (MPU1)Li_SGL_Tc2LeftMirror = 1.0 | | OK | 1 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10103 | R | Read Defined Variable [TT] (MPU1)Li_SGL_Tc2RightMirror = 0.0 | | OK | 0 | Alleta Sekgololo 417407 05.05.2025 | 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 | | Alleta Sekgololo 417407 09.05.2025 | Train |
| 10105 | R | Verify that there is no leak on the mirror's pneumatic piping | | OK | | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10106 | A | Press 50S3 left door close button | | OK | | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10107 | R | The mirror is properly closed | | OK | | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10108 | R | Read Defined Variable [TT] (MPU1)Li_SGL_Tc2LeftMirror = 0.0 | | OK | 0 | Alleta Sekgololo 417407 05.05.2025 | Train |

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|-------|---|---|----|---|--|-------|
| 10109 | R | Read Defined Variable [TT] (MPU1)Li_SGL_Tc2RightMirror = 0.0 | OK | 0 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10110 | A | Press the DOOR AUTH right button 50S6 | OK | | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10111 | A | Turn the switch 70S10 to the right to open the right mirror | OK | | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10112 | R | Read Defined Variable [TT] (MPU1)Li_SGL_Tc2LeftMirror = 0.0 | OK | 0 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10113 | R | Read Defined Variable [TT] (MPU1)Li_SGL_Tc2RightMirror = 1.0 | OK | 1 | Alleta Sekgololo 417407 05.05.2025 | 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 | | Alleta Sekgololo 417407 09.05.2025 | Train |
| 10115 | R | Verify that there is no leak on the mirror's pneumatic piping | OK | | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10116 | A | Press 50S4 right door close button | OK | | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10117 | R | The mirror is properly closed | OK | | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10118 | R | Read Defined Variable [TT] (MPU1)Li_SGL_Tc2LeftMirror = 0.0 | OK | 0 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10119 | R | Read Defined Variable [TT] (MPU1)Li_SGL_Tc2RightMirror = 0.0 | OK | 0 | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10120 | A | Press the DOOR AUTH left button 50S5 | OK | | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10121 | A | Force [TT] (MPU1)lo_sgl_tc2leftmirror = 1.0 | OK | | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10122 | R | Left mirror is open | OK | | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10123 | A | Force [TT] (MPU1)lo_sgl_tc2leftmirror = 0.0 | OK | | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10124 | R | Left mirror closes | OK | | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10125 | A | Press the DOOR AUTH right button 50S6 | OK | | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10126 | A | Force [TT] (MPU1)lo_sgl_tc2rightmirror = 1.0 | OK | | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10127 | R | Right mirror opens | OK | | Alleta Sekgololo | Train |

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|-------|---|--|---|----|--|--|-------|
| | | | | | | 417407 05.05.2025 | |
| 10128 | A | Force [TT] (MPU1)lo_sgl_tc2rightmirror = 0.0 | | OK | | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10129 | R | Right mirror closes | | OK | | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10130 | A | Release [TT] (MPU1)lo_sgl_tc2leftmirror | | OK | | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10131 | A | Release [TT] (MPU1)lo_sgl_tc2rightmirror | | OK | | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10132 | A | Press the button 50S3 and 50S4 to reset door authorization | | OK | | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10133 | A | Isolate the valve H1.5/1 and H1.5/2 | | OK | | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10134 | A | Check that the left and right mirrors can be folded manually | | OK | | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10135 | A | Normalise the valve H1.5/1 and H1.5/2 | | OK | | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10136 | A | Login on the DDU screen using the driver's code 70787878 | | OK | | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10137 | A | Go to Command Screen | | OK | | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10138 | A | Authorise OPEN DOOR LEFT and RIGHT using the button 50S5 and 50S6 respectively | | OK | | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10139 | A | On the DDU Command screen, open the left mirror using the virtual button |  | OK | | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10140 | R | Left mirror opens | | OK | | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10141 | A | Press virtual button to open right mirror |  | OK | | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10142 | R | Right mirror opens | | OK | | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10143 | A | Press the button 50S2 and 50S4 to close the left and right doors | | OK | | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10144 | R | Both mirrors close | | OK | | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10145 | I | End of test | | OK | | Alleta Sekgololo 417407 05.05.2025 | Train |





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| Serial Tests Report TS280 – TFS RTR Train Functional Static Test Report | Document Reference GIB0000008079 Version: A0 | Emission date 16/05/2025 |
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Section 25 – Train Ground Communication

25.1 Instructions list

25.1.1 064_NBX-Netbox

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

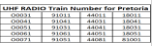
| N° | Type | Instruction | File | Result status | Result value | Operator | Vehicle |
|-------|------|--|---|---------------|--------------|---|---------|
| 10001 | I | 064 Netbox | | OK | | Goitsemodimo Kgatitswe 526511 07.05.2025 | Train |
| 10002 | I | Software upload | | OK | | Goitsemodimo Kgatitswe 526511 07.05.2025 | Train |
| 10003 | I | Use the below procedure to install the software on the Netbox(M1) | | OK | | Goitsemodimo Kgatitswe 526511 07.05.2025 | Train |
| 10004 | A | <ul style="list-style-type: none"> -Open the NBX (64Q1) circuit breaker -Insert the programmed USB into the slot -Close the NBX (64Q1) circuit breaker -Device is on and software upload begins <p>Upload is complete when all LEDs on rows A and C are steady, on and green as the image attached</p> |  | OK | | Goitsemodimo Kgatitswe 526511 07.05.2025 | Train |
| 10005 | I | Netbox configuration check | | OK | | Goitsemodimo Kgatitswe 526511 07.05.2025 | Train |
| 10006 | A | Perform the attached procedure to configure the Netbox (M1) |  | OK | | Goitsemodimo Kgatitswe 526511 07.05.2025 | Train |
| 10007 | R | The Netbox is configured correctly | | OK | | Goitsemodimo Kgatitswe 526511 07.05.2025 | Train |
| 10008 | R | The time and date on the DDU is correct - if not restart the train and verify again | | OK | | Goitsemodimo Kgatitswe 526511 07.05.2025 | Train |

25.1.2 063_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 | | Dilikani Ngubane 526515 07.05.2025 | Train |
| 10002 | I | GSMR - Functional Test TC1 | | OK | | Dilikani Ngubane 526515 07.05.2025 | Train |
| 10003 | R | Record the serial number of the sim card and install the sim card on GSMR radio Result Min : 99999<= x () | | OK | 89260420160520003632 | Dilikani Ngubane 526515 07.05.2025 | Train |
| 10004 | A | Insert the SIM card into the GSMR Radio | | OK | | Dilikani Ngubane 526515 07.05.2025 | 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 | | Dilikani Ngubane 526515 07.05.2025 | Train |
| 10006 | A | On the GSMR HMI, verify radio is not faulty | | OK | | Dilikani Ngubane 526515 07.05.2025 | Train |
| 10007 | A | Active cab in TC1 | | OK | | Dilikani Ngubane 526515 07.05.2025 | Train |
| 10008 | I | DDU-HMI Connection | | OK | | Dilikani Ngubane 526515 07.05.2025 | Train |
| 10009 | A | Check if TCMS DDU and GSMR-HMI times are automatically synchronised - do not manually set the time | | OK | | Dilikani Ngubane 526515 07.05.2025 | Train |
| 10010 | R | The time is the same (allowable difference of <10s) | | OK | | Dilikani Ngubane 526515 07.05.2025 | Train |
| 10011 | I | PACIS-HMI Connection | | OK | | Dilikani Ngubane 526515 07.05.2025 | Train |
| 10012 | A | Lift the GSMR handset | | OK | | Alleta Sekgololo 417407 09.05.2025 | Train |
| 10013 | A | Press the PA button on the GSMR HMI | | OK | | Alleta Sekgololo 417407 09.05.2025 | Train |
| 10014 | R | On the GSMR module PAI card, the Red and Ack LEDs light green | | OK | | Alleta Sekgololo 417407 09.05.2025 | Train |
| 10015 | R | The PA indication alarm sounds in all cars | | OK | | Alleta Sekgololo 417407 09.05.2025 | Train |
| 10016 | A | Press the PTT on the handset and speak into the handset microphone | | OK | | Alleta Sekgololo 417407 | Train |

| | | | | | | 09.05.2025 | |
|-------|---|--|---|----|----------------------|--|-------|
| 10017 | R | Text displayed on the HMI: "Talk!" | | OK | | Alleta Sekgololo 417407 09.05.2025 | Train |
| 10018 | R | Your voice can be heard clearly in all the cars | | OK | | Alleta Sekgololo 417407 09.05.2025 | Train |
| 10019 | I | UHF Radio Test TC1 | | OK | | Alleta Sekgololo 417407 09.05.2025 | Train |
| 10020 | A | Enter each mission number below on the attached picture and press select on the UHF handheld |  | OK | | Dilikani Ngubane 526515 07.05.2025 | Train |
| 10021 | R | The Radio displays the selected number eg "D 9104" and the network bars are visible | | OK | | Dilikani Ngubane 526515 07.05.2025 | 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 | | Dilikani Ngubane 526515 07.05.2025 | Train |
| 10023 | R | All mission numbers on the above picture are tested ok | | OK | | Dilikani Ngubane 526515 07.05.2025 | Train |
| 10024 | I | GSMR - Functional Test TC2 | | OK | | Dilikani Ngubane 526515 07.05.2025 | Train |
| 10025 | A | Active Cab in TC2 | | OK | | Dilikani Ngubane 526515 07.05.2025 | Train |
| 10026 | R | Record the serial number of the sim card and install the sim card on GSMR radio Result Min : 99999<= x () | | OK | 89260420160520003633 | Dilikani Ngubane 526515 07.05.2025 | Train |
| 10027 | A | Insert the SIM card into the GSMR Radio | | OK | | Dilikani Ngubane 526515 07.05.2025 | 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 | | Dilikani Ngubane 526515 07.05.2025 | Train |
| 10029 | A | On the GSMR HMI, verify radio is not faulty | | OK | | Dilikani Ngubane 526515 06.05.2025 | Train |
| 10030 | I | DDU-HMI Connection | | OK | | Dilikani Ngubane 526515 06.05.2025 | Train |
| 10031 | A | Check if TCMS DDU and GSMR-HMI times are automatically synchronised - do not manually set the time | | OK | | Dilikani Ngubane 526515 06.05.2025 | Train |
| 10032 | R | The time is the same (allowable difference of <10s) | | OK | | Dilikani Ngubane 526515 06.05.2025 | Train |
| 10033 | I | PACIS-HMI Connection | | OK | | Philemon Milani 484650 13.05.2025 | Train |
| 10034 | A | Lift the GSMR handset | | OK | | Philemon Milani 484650 | Train |

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|-------|---|--|--|----|--|--|-------|
| | | | | | | 13.05.2025 | |
| 10035 | A | Press the PA button on the GSMR HMI | | OK | | Philemon Milani 484650 13.05.2025 | Train |
| 10036 | R | On the GSMR module PAI card, the Red and Ack LEDs light green | | OK | | Philemon Milani 484650 13.05.2025 | Train |
| 10037 | R | The PA indication alarm sounds in all cars | | OK | | Philemon Milani 484650 13.05.2025 | Train |
| 10038 | A | Press the PTT on the handset and speak into the handset microphone | | OK | | Philemon Milani 484650 13.05.2025 | Train |
| 10039 | R | Text displayed on the HMI: "Talk!" | | OK | | Philemon Milani 484650 13.05.2025 | Train |
| 10040 | R | Your voice can be heard clearly in all the cars | | OK | | Philemon Milani 484650 13.05.2025 | Train |
| 10041 | I | UHF Radio Test TC2 | | OK | | Alleta Sekgololo 417407 09.05.2025 | Train |
| 10042 | A | Enter each mission number below on the attached picture and press select on the UHF handheld |  | OK | | Alleta Sekgololo 417407 09.05.2025 | Train |
| 10043 | R | The Radio displays the selected number eg "D 9104" and the network bars are visible | | OK | | Alleta Sekgololo 417407 09.05.2025 | 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 | | Alleta Sekgololo 417407 09.05.2025 | Train |
| 10045 | R | All mission numbers on the above picture are tested ok | | OK | | Alleta Sekgololo 417407 09.05.2025 | Train |



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| Serial Tests Report TS280 – TFS RTR Train Functional Static Test Report | Document Reference GIB0000008079 Version: A0 | Emission date 16/05/2025 |
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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 | | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10002 | I | Initial Conditions | | OK | | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10003 | I | Train is prepared with High voltage | | OK | | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10004 | I | Master controller is in OFF position | | OK | | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10005 | I | All traction units are in black colour on the DDU maintenance screen | | OK | | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10006 | I | Start of Test | | OK | | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10007 | A | Put the driving selector switch in FORWARD position | | OK | | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10008 | R | Check on the DDU that all traction units are in FWD position |  | OK | | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10009 | A | Put the driving selector switch in REVERSE position | | OK | | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10010 | R | Check on the DDU that all traction units are in REV position |  | OK | | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10011 | A | Put the driving selector switch in NEUTRAL position | | OK | | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10012 | I | Traction Fault and reset | | OK | | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10013 | A | Open HSCB using button 22S12 | | OK | | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10014 | A | Open the circuit breaker 33Q3 in M4 car | | OK | | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10015 | R | Traction unit of M4 appear in fault on the DDU and an IOS is generated about loss of traction 25% |  | OK | | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10016 | A | Close the circuit breaker 33Q3 | | OK | | Alleta Sekgololo 417407 05.05.2025 | Train |

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|-------|---|---|---|----|--|--|-------|
| 10017 | A | Press the DDU virtual button RESET TRACTION FAULTS | | OK | | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10018 | R | Traction unit for M4 is back in service, the IOS generated above has disappeared | | OK | | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10019 | A | Open the circuit breaker 33Q3 in M1 car | | OK | | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10020 | R | Traction unit of M1 appear in fault on the DDU and an IOS is generated about loss of traction 25% |  | OK | | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10021 | A | Close circuit breaker 33Q3 in M1 car | | OK | | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10022 | A | Press the DDU virtual button RESET TRACTION FAULTS | | OK | | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10023 | R | Traction unit for M1 is back in service, the IOS generated above has disappeared | | OK | | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10024 | A | Open the circuit breaker 33Q3 in M2 car | | OK | | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10025 | R | Traction unit of M2 appear in fault on the DDU and an IOS is generated about loss of traction 25% |  | OK | | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10026 | A | Close the circuit breaker 33Q3 in M2 car | | OK | | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10027 | A | Press the DDU virtual button RESET TRACTION FAULTS | | OK | | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10028 | R | Traction unit for M2 is back in service, the IOS generated above has disappeared | | OK | | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10029 | A | Open the circuit breaker 33Q3 in M3 car | | OK | | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10030 | R | Traction unit of M3 appear in fault on the DDU and an IOS is generated about loss of traction 25% |  | OK | | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10031 | A | Close the circuit breaker 33Q3 in M3 car | | OK | | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10032 | A | Press the DDU virtual button RESET TRACTION FAULTS | | OK | | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10033 | R | Traction unit for M3 is back in service, the IOS generated above has disappeared | | OK | | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10034 | A | Close HSCBs using button 22S11 | | OK | | Alleta Sekgololo 417407 05.05.2025 | Train |
| 10035 | I | End of Test | | OK | | Alleta Sekgololo 417407 | Train |



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| Serial Tests Report TS280 – TFS RTR Train Functional Static Test Report | Document Reference GIB0000008079 Version: A0 | Emission date 16/05/2025 |
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| | | | | | | 05.05.2025 | |
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Section 27 – CCTV Video Information

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 | | Dilikani Ngubane 526515 07.05.2025 | Train |
| 10002 | I | Front camera footage TC1 | | OK | | Dilikani Ngubane 526515 07.05.2025 | Train |
| 10003 | A | Active Cab on TC1 and Login as Driver: 70787878 | | OK | | Dilikani Ngubane 526515 07.05.2025 | Train |
| 10004 | A | Press and hold the FRONT EVENT BUTTON 66S1 on TC1 | | OK | | Dilikani Ngubane 526515 07.05.2025 | Train |
| 10005 | R | Read Defined Variable [TT] (MPU1)Li_CTV_Tc1CctvEventPbR1 = 1.0 | | OK | 1 | Dilikani Ngubane 526515 07.05.2025 | Train |
| 10006 | R | Read Defined Variable [TT] (MPU1)Li_CTV_Tc1CctvEventPbR2 = 1.0 | | OK | 1 | Dilikani Ngubane 526515 07.05.2025 | Train |
| 10007 | R | The FRONT EVENT button lamp 66S1 is ON | | OK | | Dilikani Ngubane 526515 07.05.2025 | Train |
| 10008 | A | Release the button 66S1 | | OK | | Dilikani Ngubane 526515 07.05.2025 | Train |
| 10009 | R | Read Defined Variable [TT] (MPU1)Li_CTV_Tc1CctvEventPbR1 = 0.0 | | OK | 0 | Dilikani Ngubane 526515 07.05.2025 | Train |
| 10010 | R | Read Defined Variable [TT] (MPU1)Li_CTV_Tc1CctvEventPbR2 = 0.0 | | OK | 0 | Dilikani Ngubane 526515 07.05.2025 | Train |
| 10011 | R | The FRONT EVENT button lamp 66S1 is OFF | | OK | | Dilikani Ngubane 526515 07.05.2025 | Train |
| 10012 | A | On the DDU screen, check if the Camera is correctly adjusted | | OK | | Dilikani Ngubane 526515 07.05.2025 | Train |
| 10013 | A | The picture on the DDU should be as the picture attached. |  | OK | | Alleta Sekgololo 417407 09.05.2025 | Train |
| 10014 | I | Reverse direction front camera functional test TC1 | | OK | | Dilikani Ngubane 526515 07.05.2025 | Train |
| 10015 | A | Put the direction selector switch in REVERSE position | | OK | | Dilikani Ngubane 526515 07.05.2025 | Train |
| 10016 | R | CCTV footage of TC2 front camera appears on the DDU | | OK | | Dilikani Ngubane 526515 07.05.2025 | Train |

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|-------|---|--|---|----|---|--|-------|
| 10017 | A | Put the direction selector switch in NEUTRAL position | | OK | | Dilikani Ngubane 526515 07.05.2025 | Train |
| 10018 | R | CCTV footage of TC2 front camera does not appear on the DDU | | OK | | Dilikani Ngubane 526515 07.05.2025 | Train |
| 10019 | A | Remove active cab on TC1 | | OK | | Dilikani Ngubane 526515 07.05.2025 | Train |
| 10020 | I | Front camera footage TC2 | | OK | | Dilikani Ngubane 526515 07.05.2025 | Train |
| 10021 | A | Active cab on TC2 and Login as Driver: 70787878 | | OK | | Dilikani Ngubane 526515 07.05.2025 | Train |
| 10022 | A | Press and hold the FRONT EVENT BUTTON 66S1 on TC2 | | OK | | Dilikani Ngubane 526515 07.05.2025 | Train |
| 10023 | R | Read Defined Variable [TT] (MPU1)Li_CTV_Tc2CctvEventPbR1 = 1.0 | | OK | 1 | Dilikani Ngubane 526515 07.05.2025 | Train |
| 10024 | R | Read Defined Variable [TT] (MPU1)Li_CTV_Tc2CctvEventPbR2 = 1.0 | | OK | 1 | Dilikani Ngubane 526515 07.05.2025 | Train |
| 10025 | R | The FRONT EVENT button lamp 66S1 is ON | | OK | | Dilikani Ngubane 526515 07.05.2025 | Train |
| 10026 | A | Release the button 66S1 | | OK | | Dilikani Ngubane 526515 07.05.2025 | Train |
| 10027 | R | Read Defined Variable [TT] (MPU1)Li_CTV_Tc1CctvEventPbR1 = 0.0 | | OK | 0 | Dilikani Ngubane 526515 07.05.2025 | Train |
| 10028 | R | Read Defined Variable [TT] (MPU1)Li_CTV_Tc1CctvEventPbR2 = 0.0 | | OK | 0 | Dilikani Ngubane 526515 07.05.2025 | Train |
| 10029 | R | The FRONT EVENT button lamp 66S1 is OFF | | OK | | Dilikani Ngubane 526515 07.05.2025 | Train |
| 10030 | A | On the DDU screen, check if the Camera is correctly adjusted | | OK | | Dilikani Ngubane 526515 07.05.2025 | Train |
| 10031 | A | The picture on the DDU should be as the picture attached. |  | OK | | Alleta Sekgololo 417407 09.05.2025 | Train |
| 10032 | I | Reverse direction front camera functional test TC2 | | OK | | Dilikani Ngubane 526515 07.05.2025 | Train |
| 10033 | A | Put the direction selector switch in REVERSE position | | OK | | Dilikani Ngubane 526515 07.05.2025 | Train |
| 10034 | R | CCTV footage of TC1 front camera appears on the DDU | | OK | | Dilikani Ngubane 526515 07.05.2025 | Train |
| 10035 | A | Put the direction selector switch in NEUTRAL position | | OK | | Dilikani Ngubane 526515 | Train |

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| | | | | | | 07.05.2025 | |
| 10036 | R | CCTV footage of TC1 front camera does not appear on the DDU | | OK | | Dilikani Ngubane 526515 07.05.2025 | Train |
| 10037 | I | NVR Recording | | OK | | Alleta Sekgololo 417407 09.05.2025 | 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 | | Alleta Sekgololo 417407 09.05.2025 | Train |
| 10039 | R | The TC1 NVR is locked, and the HD LED is OFF | | OK | | Alleta Sekgololo 417407 09.05.2025 | Train |
| 10040 | R | The TC2 NVR is locked, and the HD LED is OFF | | OK | | Alleta Sekgololo 417407 09.05.2025 | Train |
| 10041 | A | Using the procedure attached, confirm that both NVRs are recording video data |  | OK | | Alleta Sekgololo 417407 09.05.2025 | Train |
| 10042 | A | Take a screenshot of the CCTV console live stream to indicate the recorder is working for NVR1 | | OK | | Alleta Sekgololo 417407 09.05.2025 | Train |
| 10043 | R | save the screenshot as TSXX_NVR1 | | OK | | Alleta Sekgololo 417407 09.05.2025 | Train |
| 10044 | A | Take a screenshot of the CCTV console live stream to indicate the recorder is working for NVR2 | | OK | | Alleta Sekgololo 417407 09.05.2025 | Train |
| 10045 | R | Save the screenshot as TSXX_NVR2 | | OK | | Alleta Sekgololo 417407 09.05.2025 | Train |
| 10046 | A | Take the two saved screenshot and put them in a folder named "TSXXX_NVR." Then save the folder to "teams" channel (shift reports) under a specific trainset folder TSXX>Results files> Train level | | OK | | Alleta Sekgololo 417407 09.05.2025 | Train |
| 10047 | I | End of Test | | OK | | Alleta Sekgololo 417407 09.05.2025 | Train |



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| Serial Tests Report TS280 – TFS RTR Train Functional Static Test Report | Document Reference GIB0000008079 Version: A0 | Emission date 16/05/2025 |
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Section 28 – PACIS

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 | | Philemon Milani 484650 13.05.2025 | Train |
| 10002 | I | Software Upload | | OK | | Philemon Milani 484650 13.05.2025 | Train |
| 10003 | A | |  | OK | | Philemon Milani 484650 13.05.2025 | Train |
| 10004 | A | |  | OK | | Philemon Milani 484650 13.05.2025 | Train |
| 10005 | A | |  | OK | | Philemon Milani 484650 13.05.2025 | Train |
| 10006 | R | Verify on the DDU, referring to the baseline spreadsheet, that all Pacis devices are updated with the latest software versions | | OK | | Philemon Milani 484650 13.05.2025 | Train |
| 10007 | I | Camera Orientation | | OK | | Philemon Milani 484650 13.05.2025 | 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 | | Philemon Milani 484650 13.05.2025 | 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 | | Philemon Milani 484650 13.05.2025 | Train |
| 10010 | A | Please note any cameras showing green strips or unclear images should be updated settings using the attached procedure |  | OK | | Philemon Milani 484650 13.05.2025 | Train |
| 10011 | R | The Saloon cameras on TC1 have been adjusted according to image above. | | OK | | Sizwe Sibanyoni 484647 19.05.2025 | Train |
| 10012 | R | The Saloon cameras on M4 have been adjusted according to image above. | | OK | | Sizwe Sibanyoni 484647 19.05.2025 | Train |
| 10013 | R | The Saloon cameras on M1 have been adjusted according to image above. | | OK | | Sizwe Sibanyoni 484647 19.05.2025 | Train |
| 10014 | R | The Saloon cameras on M2 have been adjusted according to image above. | | OK | | Sizwe Sibanyoni 484647 19.05.2025 | Train |

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|-------|---|---|--|----|---|---|-------|
| 10015 | R | The Saloon cameras on M3 have been adjusted according to image above. | | OK | | Sizwe Sibanyoni 484647 19.05.2025 | Train |
| 10016 | R | The Saloon cameras on TC2 have been adjusted according to image above. | | OK | | Sizwe Sibanyoni 484647 19.05.2025 | Train |
| 10017 | I | Mission Number Display | | OK | | Philemon Milani 484650 13.05.2025 | Train |
| 10018 | A | Active Cab in TC1 | | OK | | Philemon Milani 484650 13.05.2025 | Train |
| 10019 | A | Login as a driver, ID: 70787878 | | OK | | Philemon Milani 484650 13.05.2025 | Train |
| 10020 | A | Enter the mission 8100 | | OK | | Philemon Milani 484650 13.05.2025 | Train |
| 10021 | R | Check that the TC1 and TC2 front external displays are showing the mission number 8100. | | OK | | Philemon Milani 484650 13.05.2025 | Train |
| 10022 | I | Public Announcements TC1 | | OK | | Philemon Milani 484650 13.05.2025 | Train |
| 10023 | R | Read Defined Variable [TT] (MPU1)Lo_PIS_Tc1DduPaPbR1 = 0.0 | | OK | 0 | Philemon Milani 484650 13.05.2025 | Train |
| 10024 | R | Read Defined Variable [TT] (MPU1)Lo_PIS_Tc1DduPaPbR2 = 0.0 | | OK | 0 | Philemon Milani 484650 13.05.2025 | Train |
| 10025 | A | Pulse the switch 54S1 to the right to activate PA announcement | | OK | | Philemon Milani 484650 13.05.2025 | Train |
| 10026 | R | Green lamp 54H2 is ON | | OK | | Philemon Milani 484650 13.05.2025 | Train |
| 10027 | R | A beep sound can be heard in all saloon speakers | | OK | | Philemon Milani 484650 13.05.2025 | Train |
| 10028 | R | On Driver's screen (Home Page), PA activation message is displayed | | OK | | Philemon Milani 484650 13.05.2025 | Train |
| 10029 | A | Press the button 54S4 and hold it while talking via the microphone | | OK | | Philemon Milani 484650 13.05.2025 | Train |
| 10030 | I | It is necessary to go to each and every speaker to verify sound is coming out | | OK | | Philemon Milani 484650 13.05.2025 | Train |
| 10031 | R | Announcement can be heard in saloon speakers of TC1 | | OK | | Philemon Milani 484650 13.05.2025 | Train |
| 10032 | R | Announcement can be heard in saloon speakers of M4 | | OK | | Philemon Milani 484650 13.05.2025 | Train |
| 10033 | R | Announcement can be heard in saloon speakers of M1 | | OK | | Philemon Milani 484650 | Train |

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|-------|---|--|---|----|---|---|-------|
| | | | | | | 13.05.2025 | |
| 10034 | R | Announcement can be heard in saloon speakers of M2 | | OK | | Philemon Milani 484650 13.05.2025 | Train |
| 10035 | R | Announcement can be heard in saloon speakers of M3 | | OK | | Philemon Milani 484650 13.05.2025 | Train |
| 10036 | R | Announcement can be heard in saloon speakers of TC2 | | OK | | Philemon Milani 484650 13.05.2025 | Train |
| 10037 | A | Release the button 54S4 | | OK | | Philemon Milani 484650 13.05.2025 | Train |
| 10038 | A | Talk on the microphone | | OK | | Philemon Milani 484650 13.05.2025 | Train |
| 10039 | R | No sound can be heard in all cars | | OK | | Philemon Milani 484650 13.05.2025 | Train |
| 10040 | A | Pulse the switch 54S1 to the right to deactivate PA announcement | | OK | | Philemon Milani 484650 13.05.2025 | Train |
| 10041 | R | Green lamp 54H2 is OFF | | OK | | Philemon Milani 484650 13.05.2025 | 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 | | Philemon Milani 484650 13.05.2025 | Train |
| 10043 | R | Read Defined Variable [TT] (MPU1)Lo_PIS_Tc1DduPaPbR1 = 1.0 | | OK | 1 | Philemon Milani 484650 13.05.2025 | Train |
| 10044 | R | Read Defined Variable [TT] (MPU1)Lo_PIS_Tc1DduPaPbR2 = 1.0 | | OK | 1 | Philemon Milani 484650 13.05.2025 | Train |
| 10045 | R | Green lamp 54H2 is ON | | OK | | Philemon Milani 484650 13.05.2025 | Train |
| 10046 | R | PA announcement is activated | | OK | | Philemon Milani 484650 13.05.2025 | Train |
| 10047 | A | On the driver's screen (Home Page) select the "Public Address" virtual button to end communication | | OK | | Philemon Milani 484650 13.05.2025 | Train |
| 10048 | R | Read Defined Variable [TT] (MPU1)Lo_PIS_Tc1DduPaPbR1 = 0.0 | | OK | 0 | Philemon Milani 484650 13.05.2025 | Train |
| 10049 | R | Read Defined Variable [TT] (MPU1)Lo_PIS_Tc1DduPaPbR2 = 0.0 | | OK | 0 | Philemon Milani 484650 13.05.2025 | Train |
| 10050 | R | Green lamp 54H2 is OFF | | OK | | Philemon Milani 484650 13.05.2025 | Train |
| 10051 | I | PA announcement is de-activated | | OK | | Philemon Milani 484650 13.05.2025 | Train |

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|-------|---|---|--|----|---|---|-------|
| 10052 | A | Press the button 54S4 and hold it while talking on the microphone | | OK | | Philemon Milani 484650 13.05.2025 | Train |
| 10053 | R | Sound cannot be heard in all speakers | | OK | | Philemon Milani 484650 13.05.2025 | Train |
| 10054 | A | Release the button 54S4 | | OK | | Philemon Milani 484650 13.05.2025 | Train |
| 10055 | A | Remove active cab on TC1 | | OK | | Philemon Milani 484650 13.05.2025 | Train |
| 10056 | A | Pulse the switch 54S1 to the right to activate PA announcement | | OK | | Philemon Milani 484650 13.05.2025 | Train |
| 10057 | R | Green lamp 54H2 is OFF | | OK | | Philemon Milani 484650 13.05.2025 | Train |
| 10058 | R | No PA announcement activation showing on the Driver's screen | | OK | | Philemon Milani 484650 13.05.2025 | Train |
| 10059 | I | Cab to Cab Communication TC1 | | OK | | Philemon Milani 484650 13.05.2025 | Train |
| 10060 | I | It is not necessary to have an active cab in order to initiate cab to cab communication | | OK | | Philemon Milani 484650 13.05.2025 | Train |
| 10061 | R | Read Defined Variable [TT] (MPU1)Lo_PIS_Tc1DduCabToCabPbR2 = 0.0 | | OK | 0 | Philemon Milani 484650 13.05.2025 | Train |
| 10062 | R | Read Defined Variable [TT] (MPU1)Lo_PIS_Tc1DduCabToCabPbR2 = 0.0 | | OK | 0 | Philemon Milani 484650 13.05.2025 | Train |
| 10063 | A | Pulse the switch 54S1 to the left to activate cab to cab communication | | OK | | Philemon Milani 484650 13.05.2025 | Train |
| 10064 | R | Green lamp 54H1 is blinking | | OK | | Philemon Milani 484650 13.05.2025 | Train |
| 10065 | R | A beep can be heard in TC2 cab | | OK | | Philemon Milani 484650 13.05.2025 | Train |
| 10066 | R | Green lamp 54H1 is blinking in TC2 cab | | OK | | Philemon Milani 484650 13.05.2025 | Train |
| 10067 | R | Cab to Cab communication is Active on DDU driver's screen | | OK | | Philemon Milani 484650 13.05.2025 | Train |
| 10068 | A | Accept Cab to cab communication request in TC2 by pulsing switch 54S1 to the left | | OK | | Philemon Milani 484650 13.05.2025 | Train |
| 10069 | R | Green lamp 54H1 is ON (steady) on TC2 | | OK | | Philemon Milani 484650 13.05.2025 | Train |

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|-------|---|--|---|----|---|---|-------|
| 10070 | A | Press and hold button 54S4 to initiate communication in TC1 and talk on the microphone | | OK | | Philemon Milani 484650 13.05.2025 | Train |
| 10071 | R | Sound can be heard on TC2 cab speakers | | OK | | Philemon Milani 484650 13.05.2025 | Train |
| 10072 | A | Press and hold button 54S4 in TC2 and talk on the microphone | | OK | | Philemon Milani 484650 13.05.2025 | Train |
| 10073 | R | Sound can be heard on TC1 cab speakers | | OK | | Philemon Milani 484650 13.05.2025 | Train |
| 10074 | A | Pulse the switch 54S1 to the left on TC1 to de-activate cab to cab communication | | OK | | Philemon Milani 484650 13.05.2025 | Train |
| 10075 | R | Green lamp 54H1 is OFF on both TC1 and TC2 | | OK | | Philemon Milani 484650 13.05.2025 | 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 | | Philemon Milani 484650 13.05.2025 | Train |
| 10077 | R | Read Defined Variable [TT] (MPU1)Lo_PIS_Tc1DduCabToCabPbR1 = 1.0 | | OK | 1 | Philemon Milani 484650 13.05.2025 | Train |
| 10078 | R | Read Defined Variable [TT] (MPU1)Lo_PIS_Tc1DduCabToCabPbR2 = 1.0 | | OK | 1 | Philemon Milani 484650 13.05.2025 | Train |
| 10079 | R | Cab-Cab is activated | | OK | | Philemon Milani 484650 13.05.2025 | Train |
| 10080 | A | On the driver's screen select the "Public Address" virtual button to end communication | | OK | | Philemon Milani 484650 13.05.2025 | Train |
| 10081 | R | Read Defined Variable [TT] (MPU1)Lo_PIS_Tc1DduCabToCabPbR2 = 0.0 | | OK | 0 | Philemon Milani 484650 13.05.2025 | Train |
| 10082 | R | Read Defined Variable [TT] (MPU1)Lo_PIS_Tc1DduCabToCabPbR2 = 0.0 | | OK | 0 | Philemon Milani 484650 13.05.2025 | Train |
| 10083 | R | Cab-Cab is de-activated | | OK | | Philemon Milani 484650 13.05.2025 | Train |
| 10084 | I | Cab to Cab Communication TC2 | | OK | | Philemon Milani 484650 13.05.2025 | Train |
| 10085 | R | Read Defined Variable [TT] (MPU1)Lo_PIS_Tc2DduCabToCabPbR1 = 0.0 | | OK | 0 | Philemon Milani 484650 13.05.2025 | Train |
| 10086 | R | Read Defined Variable [TT] (MPU1)Lo_PIS_Tc2DduCabToCabPbR2 = 0.0 | | OK | 0 | Philemon Milani 484650 13.05.2025 | Train |
| 10087 | A | Pulse the switch 54S1 to the left to activate cab to cab communication | | OK | | Philemon Milani 484650 13.05.2025 | Train |
| 10088 | R | Green lamp 54H1 is blinking | | OK | | Philemon Milani | Train |

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| | | | | | | 484650 13.05.2025 | |
| 10089 | R | A beep can be heard in TC1 cab | | OK | | Philemon Milani 484650 13.05.2025 | Train |
| 10090 | R | Green lamp 54H1 is blinking in TC1 cab | | OK | | Philemon Milani 484650 13.05.2025 | Train |
| 10091 | R | Cab to Cab communication is Active on DDU driver's screen | | OK | | Philemon Milani 484650 13.05.2025 | Train |
| 10092 | A | Accept Cab to cab communication request in TC1 by pulsing switch 54S1 to the left | | OK | | Philemon Milani 484650 13.05.2025 | Train |
| 10093 | R | Green lamp 54H1 is ON (steady) on TC1 | | OK | | Philemon Milani 484650 13.05.2025 | Train |
| 10094 | A | Press and hold button 54S4 to initiate communication in TC2 and talk on the microphone | | OK | | Philemon Milani 484650 13.05.2025 | Train |
| 10095 | R | Sound can be heard on TC1 cab speakers | | OK | | Philemon Milani 484650 13.05.2025 | Train |
| 10096 | A | Press and hold button 54S4 in TC1 and talk on the microphone | | OK | | Philemon Milani 484650 13.05.2025 | Train |
| 10097 | R | Sound can be heard on TC2 cab speakers | | OK | | Philemon Milani 484650 13.05.2025 | Train |
| 10098 | A | Pulse the switch 54S1 to the left on TC2 to de-activate cab to cab communication | | OK | | Philemon Milani 484650 13.05.2025 | Train |
| 10099 | R | Green lamp 54H1 is OFF on both TC1 and TC2 | | OK | | Philemon Milani 484650 13.05.2025 | 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 | | Philemon Milani 484650 13.05.2025 | Train |
| 10101 | R | Read Defined Variable [TT] (MPU1)Lo_PIS_Tc2DduCabToCabPbR1 = 1.0 | | OK | 1 | Philemon Milani 484650 13.05.2025 | Train |
| 10102 | R | Read Defined Variable [TT] (MPU1)Lo_PIS_Tc2DduCabToCabPbR2 = 1.0 | | OK | 1 | Philemon Milani 484650 13.05.2025 | Train |
| 10103 | R | Cab-Cab is activated | | OK | | Philemon Milani 484650 13.05.2025 | Train |
| 10104 | A | On the driver's screen select the "Public Address" virtual button to end communication | | OK | | Philemon Milani 484650 13.05.2025 | Train |
| 10105 | R | Read Defined Variable [TT] (MPU1)Lo_PIS_Tc2DduCabToCabPbR1 = 0.0 | | OK | 0 | Philemon Milani 484650 13.05.2025 | Train |

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|-------|---|--|---|----|---|---|-------|
| 10106 | R | Read Defined Variable [TT] (MPU1)Lo_PIS_Tc2DduCabToCabPbR2 = 0.0 | | OK | 0 | Philemon Milani 484650 13.05.2025 | Train |
| 10107 | R | Cab-Cab is de-activated | | OK | | Philemon Milani 484650 13.05.2025 | Train |
| 10108 | I | Ventilation Rack TC1 | | OK | | Philemon Milani 484650 13.05.2025 | Train |
| 10109 | A | Follow the instruction below o how to test the ventilation rack |  | OK | | Philemon Milani 484650 13.05.2025 | Train |
| 10110 | R | All three fans of the ventilation rack are working | | OK | | Philemon Milani 484650 13.05.2025 | Train |
| 10111 | I | PEA Functional Test |  | OK | | Philemon Milani 484650 13.05.2025 | Train |
| 10112 | I | All PEAs are normalized on Train | | OK | | Philemon Milani 484650 13.05.2025 | Train |
| 10113 | I | All doors should be closed | | OK | | Philemon Milani 484650 13.05.2025 | Train |
| 10114 | I | Lamp 44H1 is OFF | | OK | | Philemon Milani 484650 13.05.2025 | Train |
| 10115 | I | PEI auto test passed in all cars, only one green led can be seen in all PEIs | | OK | | Philemon Milani 484650 13.05.2025 | Train |
| 10116 | A | Active cab on TC1 and login as driver: 70787878 | | OK | | Philemon Milani 484650 13.05.2025 | Train |
| 10117 | I | All Cameras should be working and properly adjusted | | OK | | Philemon Milani 484650 13.05.2025 | Train |
| 10118 | I | Passenger Emergency Alarm 1 (PEA 44S11) on TC1 | | OK | | Philemon Milani 484650 13.05.2025 | Train |
| 10119 | A | Pull the PEA | | OK | | Philemon Milani 484650 13.05.2025 | Train |
| 10120 | R | Lamp 44H1 is ON |  | OK | | Philemon Milani 484650 13.05.2025 | Train |
| 10121 | R | Read Defined Variable [TT] (MPU1)li_ubk_tc1pealooop = 1.0 | | OK | 1 | Philemon Milani 484650 13.05.2025 | Train |
| 10122 | R | "Wait/Talk" lamp is BLINKING ORANGE on PEI | | OK | | Philemon Milani 484650 13.05.2025 | Train |
| 10123 | R | A Beed can be heard in TC1 cab | | OK | | Philemon Milani 484650 13.05.2025 | Train |
| 10124 | R | Button lamp 54S3 is BLINKING | | OK | | Philemon Milani 484650 | Train |

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| | | | | | | 13.05.2025 | |
| 10125 | R | An emergency alarm announcement can be heard in all saloon speakers | | OK | | Philemon Milani 484650 13.05.2025 | Train |
| 10126 | R | Displays INT1 and INT2 indicate "Passenger Alarm" in all saloon cars | | OK | | Philemon Milani 484650 13.05.2025 | Train |
| 10127 | R | Lateral displays LAT1 and LAT2 indicate "Passenger Alarm" on the affected car | | OK | | Philemon Milani 484650 13.05.2025 | Train |
| 10128 | R | A CCTV footage of TC1 camera 1 and 2 can be seen on the Driver's screen | | OK | | Philemon Milani 484650 13.05.2025 | Train |
| 10129 | A | Press the button 54S3 to acknowledge PEA communication request | | OK | | Philemon Milani 484650 13.05.2025 | Train |
| 10130 | A | Press and hold button 54S4 on TC1 and talk on the microphone | | OK | | Philemon Milani 484650 13.05.2025 | Train |
| 10131 | R | Message stops broadcasting in all saloon speakers | | OK | | Philemon Milani 484650 13.05.2025 | Train |
| 10132 | R | The person in the cabin can be heard from the PEI speaker | | OK | | Philemon Milani 484650 13.05.2025 | Train |
| 10133 | A | Respond by talking back via the PEI | | OK | | Philemon Milani 484650 13.05.2025 | Train |
| 10134 | R | Communication is established between PEI and Driver cab | | OK | | Philemon Milani 484650 13.05.2025 | Train |
| 10135 | A | Press the button 54S3 to end PEA communication | | OK | | Philemon Milani 484650 13.05.2025 | Train |
| 10136 | A | Reset PEA using switch 44S6 | | OK | | Philemon Milani 484650 13.05.2025 | Train |
| 10137 | R | PEA is reset and a click sound can be heard while PEA returns to its normal state | | OK | | Philemon Milani 484650 13.05.2025 | Train |
| 10138 | A | Open and close doors using buttons on driver desk | | OK | | Philemon Milani 484650 13.05.2025 | Train |
| 10139 | R | All doors are closed and in blue colour on DDU | | OK | | Philemon Milani 484650 13.05.2025 | Train |
| 10140 | R | Lamp 44H1 is OFF | | OK | | Philemon Milani 484650 13.05.2025 | Train |
| 10141 | R | Read Defined Variable [TT] (MPU1)li_ubk_tc1pealooop = 0.0 | | OK | 0 | Philemon Milani 484650 13.05.2025 | Train |
| 10142 | R | No CCTV footage showing on Driver's screen | | OK | | Philemon Milani 484650 13.05.2025 | Train |

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|-------|---|---|---|----|---|---|-------|
| 10143 | R | Button lamp 54S3 is OFF | | OK | | Philemon Milani 484650 13.05.2025 | Train |
| 10144 | R | No message on Pacis displays | | OK | | Philemon Milani 484650 13.05.2025 | Train |
| 10145 | I | Passenger Emergency Alarm 2 (PEA 44S12) on TC1 | | OK | | Philemon Milani 484650 13.05.2025 | Train |
| 10146 | R | Read Defined Variable [TT] (MPU1)Lo_PIS_Tc1DduPeiCommPbR1 = 0.0 | | OK | 0 | Philemon Milani 484650 13.05.2025 | Train |
| 10147 | R | Read Defined Variable [TT] (MPU1)Lo_PIS_Tc1DduPeiCommPbR2 = 0.0 | | OK | 0 | Philemon Milani 484650 13.05.2025 | Train |
| 10148 | A | Pull the PEA | | OK | | Philemon Milani 484650 13.05.2025 | Train |
| 10149 | R | "Wait/Talk" lamp is BLINKING ORANGE on PEI | | OK | | Philemon Milani 484650 13.05.2025 | Train |
| 10150 | R | A CCTV footage of TC1 camera 1 and 2 can be seen on the Driver's screen | | OK | | Philemon Milani 484650 13.05.2025 | 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 | | Philemon Milani 484650 13.05.2025 | Train |
| 10152 | R | Read Defined Variable [TT] (MPU1)Lo_PIS_Tc1DduPeiCommPbR1 = 1.0 | | OK | 1 | Philemon Milani 484650 13.05.2025 | Train |
| 10153 | R | Read Defined Variable [TT] (MPU1)Lo_PIS_Tc1DduPeiCommPbR2 = 1.0 | | OK | 1 | Philemon Milani 484650 13.05.2025 | Train |
| 10154 | A | Press and hold button 54S4 on TC1 and talk on the microphone | | OK | | Philemon Milani 484650 13.05.2025 | Train |
| 10155 | R | The person in the cabin can be heard from the PEI speaker | | OK | | Philemon Milani 484650 13.05.2025 | Train |
| 10156 | A | Respond by talking back via the PEI | | OK | | Philemon Milani 484650 13.05.2025 | Train |
| 10157 | R | Communication is stabile between PEI and Driver cab | | OK | | Philemon Milani 484650 13.05.2025 | Train |
| 10158 | A | On the driver's screen select the "Passenger Alarm" virtual button to end communication | | OK | | Philemon Milani 484650 13.05.2025 | Train |
| 10159 | R | Read Defined Variable [TT] (MPU1)Lo_PIS_Tc1DduPeiCommPbR1 = 0.0 | | OK | 0 | Philemon Milani 484650 13.05.2025 | Train |
| 10160 | R | Read Defined Variable [TT] (MPU1)Lo_PIS_Tc1DduPeiCommPbR2 = 0.0 | | OK | 0 | Philemon Milani 484650 13.05.2025 | Train |

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| 10161 | I | Passenger Emergency Alarm 3 (PEA 44S13) on TC1 | OK | Philemon Milani 484650 13.05.2025 | Train |
| 10162 | A | Pull the PEA | OK | Philemon Milani 484650 13.05.2025 | Train |
| 10163 | R | "Wait/Talk" lamp is BLINKING ORANGE on PEI | OK | Philemon Milani 484650 13.05.2025 | Train |
| 10164 | R | A CCTV footage of TC1 camera 1 and 2 can be seen on the Driver's screen | OK | Philemon Milani 484650 13.05.2025 | Train |
| 10165 | A | Press the button 54S3 to acknowledge PEA communication request | OK | Philemon Milani 484650 13.05.2025 | Train |
| 10166 | A | Press and hold button 54S4 on TC1 and talk on the microphone | OK | Philemon Milani 484650 13.05.2025 | Train |
| 10167 | R | The person in the cabin can be heard from the PEI speaker | OK | Philemon Milani 484650 13.05.2025 | Train |
| 10168 | A | Respond by talking back via the PEI | OK | Philemon Milani 484650 13.05.2025 | Train |
| 10169 | R | Communication is established between PEI and Driver cab | OK | Philemon Milani 484650 13.05.2025 | Train |
| 10170 | A | Press the button 54S3 to end PEA communication | OK | Philemon Milani 484650 13.05.2025 | Train |
| 10171 | I | Passenger Emergency Alarm 4 (PEA 44S14) on TC1 | OK | Philemon Milani 484650 13.05.2025 | Train |
| 10172 | A | Pull the PEA | OK | Philemon Milani 484650 13.05.2025 | Train |
| 10173 | R | "Wait/Talk" lamp is BLINKING ORANGE on PEI | OK | Philemon Milani 484650 13.05.2025 | Train |
| 10174 | R | A CCTV footage of TC1 camera 1 and 2 can be seen on the Driver's screen | OK | Philemon Milani 484650 13.05.2025 | Train |
| 10175 | A | Press the button 54S3 to acknowledge PEA communication request | OK | Philemon Milani 484650 13.05.2025 | Train |
| 10176 | A | Press and hold button 54S4 on TC1 and talk on the microphone | OK | Philemon Milani 484650 13.05.2025 | Train |
| 10177 | R | The person in the cabin can be heard from the PEI speaker | OK | Philemon Milani 484650 13.05.2025 | Train |
| 10178 | A | Respond by talking back via the PEI | OK | Philemon Milani 484650 13.05.2025 | Train |
| 10179 | R | Communication is established between PEI and Driver cab | OK | Philemon Milani 484650 | Train |

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|-------|---|---|--|----|--|---|-------|
| | | | | | | 13.05.2025 | |
| 10180 | A | Press the button 54S3 to end PEA communication | | OK | | Philemon Milani 484650 13.05.2025 | Train |
| 10181 | I | Passenger Emergency Alarm 5 (PEA 44S15) on TC1 | | OK | | Philemon Milani 484650 13.05.2025 | Train |
| 10182 | A | Pull the PEA | | OK | | Philemon Milani 484650 13.05.2025 | Train |
| 10183 | R | "Wait/Talk" lamp is BLINKING ORANGE on PEI | | OK | | Philemon Milani 484650 13.05.2025 | Train |
| 10184 | R | A CCTV footage of TC1 camera 1 and 2 can be seen on the Driver's screen | | OK | | Philemon Milani 484650 13.05.2025 | Train |
| 10185 | A | Press the button 54S3 to acknowledge PEA communication request | | OK | | Philemon Milani 484650 13.05.2025 | Train |
| 10186 | A | Press and hold button 54S4 on TC1 and talk on the microphone | | OK | | Philemon Milani 484650 13.05.2025 | Train |
| 10187 | R | The person in the cabin can be heard from the PEI speaker | | OK | | Philemon Milani 484650 13.05.2025 | Train |
| 10188 | A | Respond by talking back via the PEI | | OK | | Philemon Milani 484650 13.05.2025 | Train |
| 10189 | R | Communication is established between PEI and Driver cab | | OK | | Philemon Milani 484650 13.05.2025 | Train |
| 10190 | A | Press the button 54S3 to end PEA communication | | OK | | Philemon Milani 484650 13.05.2025 | Train |
| 10191 | I | Passenger Emergency Alarm 6 (PEA 44S16) on TC1 | | OK | | Philemon Milani 484650 13.05.2025 | Train |
| 10192 | A | Pull the PEA | | OK | | Philemon Milani 484650 13.05.2025 | Train |
| 10193 | R | "Wait/Talk" lamp is BLINKING ORANGE on PEI | | OK | | Philemon Milani 484650 13.05.2025 | Train |
| 10194 | R | A CCTV footage of TC1 camera 1 and 2 can be seen on the Driver's screen | | OK | | Philemon Milani 484650 13.05.2025 | Train |
| 10195 | A | Press the button 54S3 to acknowledge PEA communication request | | OK | | Philemon Milani 484650 13.05.2025 | Train |
| 10196 | A | Press and hold button 54S4 on TC1 and talk on the microphone | | OK | | Philemon Milani 484650 13.05.2025 | Train |
| 10197 | R | The person in the cabin can be heard from the PEI speaker | | OK | | Philemon Milani 484650 13.05.2025 | Train |

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|-------|---|---|--|----|--|---|-------|
| 10198 | A | Respond by talking back via the PEI | | OK | | Philemon Milani 484650 13.05.2025 | Train |
| 10199 | R | Communication is established between PEI and Driver cab | | OK | | Philemon Milani 484650 13.05.2025 | Train |
| 10200 | A | Press the button 54S3 to end PEA communication | | OK | | Philemon Milani 484650 13.05.2025 | Train |
| 10201 | I | Call for Aid (CFA 54S5) on TC1 | | OK | | Sizwe Sibanyoni 484647 19.05.2025 | Train |
| 10202 | A | Press the SOS button 54S5 | | OK | | Philemon Milani 484650 13.05.2025 | Train |
| 10203 | R | Button lamp 54S5 is ON | | OK | | Philemon Milani 484650 13.05.2025 | Train |
| 10204 | R | No sound can be heard in all saloon speakers | | OK | | Philemon Milani 484650 13.05.2025 | Train |
| 10205 | R | Displays INT1 and INT2 indicate "Call for AID" in all saloon cars | | OK | | Philemon Milani 484650 13.05.2025 | Train |
| 10206 | R | Lateral displays LAT1 and LAT2 indicate "Call for AID" on TC1 | | OK | | Philemon Milani 484650 13.05.2025 | Train |
| 10207 | R | A CCTV footage of TC1 camera 1 and 2 can be seen on the Driver's screen | | OK | | Philemon Milani 484650 13.05.2025 | Train |
| 10208 | A | Press the button 54S3 to acknowledge SOS communication request | | OK | | Philemon Milani 484650 13.05.2025 | Train |
| 10209 | A | Press and hold button 54S4 on TC1 and talk on the microphone | | OK | | Philemon Milani 484650 13.05.2025 | Train |
| 10210 | R | The person in the cabin can be heard from the PEI speaker | | OK | | Philemon Milani 484650 13.05.2025 | Train |
| 10211 | A | Respond by talking back via the PEI near 54S5 | | OK | | Philemon Milani 484650 13.05.2025 | Train |
| 10212 | R | Communication is established between PEI and Driver cab | | OK | | Philemon Milani 484650 13.05.2025 | Train |
| 10213 | A | Press the button 54S3 to end PEA communication | | OK | | Philemon Milani 484650 13.05.2025 | Train |
| 10214 | I | Passenger Emergency Alarm 1 (PEA 44S11) on M4 | | OK | | Philemon Milani 484650 13.05.2025 | Train |
| 10215 | A | Pull the PEA | | OK | | Philemon Milani 484650 13.05.2025 | Train |
| 10216 | R | "Wait/Talk" lamp is BLINKING ORANGE on PEI | | OK | | Philemon Milani 484650 | Train |

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|-------|---|--|--|----|--|---|-------|
| | | | | | | 13.05.2025 | |
| 10217 | R | A CCTV footage of M4 camera 1 and 2 can be seen on the Driver's screen | | OK | | Philemon Milani 484650 13.05.2025 | Train |
| 10218 | A | Press the button 54S3 to acknowledge PEA communication request | | OK | | Philemon Milani 484650 13.05.2025 | Train |
| 10219 | A | Press and hold button 54S4 on TC1 and talk on the microphone | | OK | | Philemon Milani 484650 13.05.2025 | Train |
| 10220 | R | The person in the cabin can be heard from the PEI speaker | | OK | | Philemon Milani 484650 13.05.2025 | Train |
| 10221 | A | Respond by talking back via the PEI | | OK | | Philemon Milani 484650 13.05.2025 | Train |
| 10222 | R | Communication is established between PEI and Driver cab | | OK | | Philemon Milani 484650 13.05.2025 | Train |
| 10223 | A | Press the button 54S3 to end PEA communication | | OK | | Philemon Milani 484650 13.05.2025 | Train |
| 10224 | I | Passenger Emergency Alarm 2 (PEA 44S12) on M4 | | OK | | Philemon Milani 484650 13.05.2025 | Train |
| 10225 | A | Pull the PEA | | OK | | Philemon Milani 484650 13.05.2025 | Train |
| 10226 | R | "Wait/Talk" lamp is BLINKING ORANGE on PEI | | OK | | Philemon Milani 484650 13.05.2025 | Train |
| 10227 | R | A CCTV footage of M4 camera 1 and 2 can be seen on the Driver's screen | | OK | | Philemon Milani 484650 13.05.2025 | Train |
| 10228 | A | Press the button 54S3 to acknowledge PEA communication request | | OK | | Philemon Milani 484650 13.05.2025 | Train |
| 10229 | A | Press and hold button 54S4 on TC1 and talk on the microphone | | OK | | Philemon Milani 484650 13.05.2025 | Train |
| 10230 | R | The person in the cabin can be heard from the PEI speaker | | OK | | Philemon Milani 484650 13.05.2025 | Train |
| 10231 | A | Respond by talking back via the PEI | | OK | | Philemon Milani 484650 13.05.2025 | Train |
| 10232 | R | Communication is established between PEI and Driver cab | | OK | | Philemon Milani 484650 13.05.2025 | Train |
| 10233 | A | Press the button 54S3 to end PEA communication | | OK | | Philemon Milani 484650 13.05.2025 | Train |
| 10234 | I | Passenger Emergency Alarm 3 (PEA 44S13) on M4 | | OK | | Philemon Milani 484650 13.05.2025 | Train |

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|-------|---|--|--|----|--|---|-------|
| 10235 | A | Pull the PEA | | OK | | Philemon Milani 484650 13.05.2025 | Train |
| 10236 | R | "Wait/Talk" lamp is BLINKING ORANGE on PEI | | OK | | Philemon Milani 484650 13.05.2025 | Train |
| 10237 | R | A CCTV footage of M4 camera 1 and 2 can be seen on the Driver's screen | | OK | | Philemon Milani 484650 13.05.2025 | Train |
| 10238 | A | Press the button 54S3 to acknowledge PEA communication request | | OK | | Philemon Milani 484650 13.05.2025 | Train |
| 10239 | A | Press and hold button 54S4 on TC1 and talk on the microphone | | OK | | Philemon Milani 484650 13.05.2025 | Train |
| 10240 | R | The person in the cabin can be heard from the PEI speaker | | OK | | Philemon Milani 484650 13.05.2025 | Train |
| 10241 | A | Respond by talking back via the PEI | | OK | | Philemon Milani 484650 13.05.2025 | Train |
| 10242 | R | Communication is established between PEI and Driver cab | | OK | | Philemon Milani 484650 13.05.2025 | Train |
| 10243 | A | Press the button 54S3 to end PEA communication | | OK | | Philemon Milani 484650 13.05.2025 | Train |
| 10244 | I | Passenger Emergency Alarm 4 (PEA 44S14) on M4 | | OK | | Philemon Milani 484650 13.05.2025 | Train |
| 10245 | A | Pull the PEA | | OK | | Philemon Milani 484650 13.05.2025 | Train |
| 10246 | R | "Wait/Talk" lamp is BLINKING ORANGE on PEI | | OK | | Philemon Milani 484650 13.05.2025 | Train |
| 10247 | R | A CCTV footage of M4 camera 1 and 2 can be seen on the Driver's screen | | OK | | Philemon Milani 484650 13.05.2025 | Train |
| 10248 | A | Press the button 54S3 to acknowledge PEA communication request | | OK | | Philemon Milani 484650 13.05.2025 | Train |
| 10249 | A | Press and hold button 54S4 on TC1 and talk on the microphone | | OK | | Philemon Milani 484650 13.05.2025 | Train |
| 10250 | R | The person in the cabin can be heard from the PEI speaker | | OK | | Philemon Milani 484650 13.05.2025 | Train |
| 10251 | A | Respond by talking back via the PEI | | OK | | Philemon Milani 484650 13.05.2025 | Train |
| 10252 | R | Communication is established between PEI and Driver cab | | OK | | Philemon Milani 484650 13.05.2025 | Train |
| 10253 | A | Press the button 54S3 to end PEA communication | | OK | | Philemon Milani 484650 | Train |

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|-------|---|--|--|----|--|---|-------|
| | | | | | | 13.05.2025 | |
| 10254 | I | Passenger Emergency Alarm 5 (PEA 44S15) on M4 | | OK | | Philemon Milani 484650 13.05.2025 | Train |
| 10255 | A | Pull the PEA | | OK | | Philemon Milani 484650 13.05.2025 | Train |
| 10256 | R | "Wait/Talk" lamp is BLINKING ORANGE on PEI | | OK | | Philemon Milani 484650 13.05.2025 | Train |
| 10257 | R | A CCTV footage of M4 camera 1 and 2 can be seen on the Driver's screen | | OK | | Philemon Milani 484650 13.05.2025 | Train |
| 10258 | A | Press the button 54S3 to acknowledge PEA communication request | | OK | | Philemon Milani 484650 13.05.2025 | Train |
| 10259 | A | Press and hold button 54S4 on TC1 and talk on the microphone | | OK | | Philemon Milani 484650 13.05.2025 | Train |
| 10260 | R | The person in the cabin can be heard from the PEI speaker | | OK | | Philemon Milani 484650 13.05.2025 | Train |
| 10261 | A | Respond by talking back via the PEI | | OK | | Philemon Milani 484650 13.05.2025 | Train |
| 10262 | R | Communication is established between PEI and Driver cab | | OK | | Philemon Milani 484650 13.05.2025 | Train |
| 10263 | A | Press the button 54S3 to end PEA communication | | OK | | Philemon Milani 484650 13.05.2025 | Train |
| 10264 | I | Passenger Emergency Alarm 6 (PEA 44S16) on M4 | | OK | | Philemon Milani 484650 13.05.2025 | Train |
| 10265 | A | Pull the PEA | | OK | | Philemon Milani 484650 13.05.2025 | Train |
| 10266 | R | "Wait/Talk" lamp is BLINKING ORANGE on PEI | | OK | | Philemon Milani 484650 13.05.2025 | Train |
| 10267 | R | A CCTV footage of M4 camera 1 and 2 can be seen on the Driver's screen | | OK | | Philemon Milani 484650 13.05.2025 | Train |
| 10268 | A | Press the button 54S3 to acknowledge PEA communication request | | OK | | Philemon Milani 484650 13.05.2025 | Train |
| 10269 | A | Press and hold button 54S4 on TC1 and talk on the microphone | | OK | | Philemon Milani 484650 13.05.2025 | Train |
| 10270 | R | The person in the cabin can be heard from the PEI speaker | | OK | | Philemon Milani 484650 13.05.2025 | Train |
| 10271 | A | Respond by talking back via the PEI | | OK | | Philemon Milani 484650 13.05.2025 | Train |

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|-------|---|--|--|----|---|---|-------|
| 10272 | R | Communication is established between PEI and Driver cab | | OK | | Philemon Milani 484650 13.05.2025 | Train |
| 10273 | A | Press the button 54S3 to end PEA communication | | OK | | Philemon Milani 484650 13.05.2025 | Train |
| 10274 | R | Read Defined Variable [TT] (MPU1)Li_UBK_M4StateResetPea = 1.0 | | OK | 1 | Philemon Milani 484650 13.05.2025 | Train |
| 10275 | A | Reset PEA using switch 44S6 | | OK | | Philemon Milani 484650 13.05.2025 | Train |
| 10276 | R | Read Defined Variable [TT] (MPU1)Li_UBK_M4StateResetPea = 0.0 | | OK | 0 | Philemon Milani 484650 13.05.2025 | Train |
| 10277 | R | All M4 PEAs are reset | | OK | | Philemon Milani 484650 13.05.2025 | Train |
| 10278 | I | Passenger Emergency Alarm 1 (PEA 44S11) on M1 | | OK | | Philemon Milani 484650 13.05.2025 | Train |
| 10279 | A | Pull the PEA | | OK | | Philemon Milani 484650 13.05.2025 | Train |
| 10280 | R | "Wait/Talk" lamp is BLINKING ORANGE on PEI | | OK | | Philemon Milani 484650 13.05.2025 | Train |
| 10281 | R | A CCTV footage of M1 camera 1 and 2 can be seen on the Driver's screen | | OK | | Philemon Milani 484650 13.05.2025 | Train |
| 10282 | A | Press the button 54S3 to acknowledge PEA communication request | | OK | | Philemon Milani 484650 13.05.2025 | Train |
| 10283 | A | Press and hold button 54S4 on TC1 and talk on the microphone | | OK | | Philemon Milani 484650 13.05.2025 | Train |
| 10284 | R | The person in the cabin can be heard from the PEI speaker | | OK | | Philemon Milani 484650 13.05.2025 | Train |
| 10285 | A | Respond by talking back via the PEI | | OK | | Philemon Milani 484650 13.05.2025 | Train |
| 10286 | R | Communication is established between PEI and Driver cab | | OK | | Philemon Milani 484650 13.05.2025 | Train |
| 10287 | A | Press the button 54S3 to end PEA communication | | OK | | Philemon Milani 484650 13.05.2025 | Train |
| 10288 | I | Passenger Emergency Alarm 2 (PEA 44S12) on M1 | | OK | | Philemon Milani 484650 13.05.2025 | Train |
| 10289 | A | Pull the PEA | | OK | | Philemon Milani 484650 13.05.2025 | Train |
| 10290 | R | "Wait/Talk" lamp is BLINKING ORANGE on PEI | | OK | | Philemon Milani 484650 | Train |

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|-------|---|--|--|----|--|---|-------|
| | | | | | | 13.05.2025 | |
| 10291 | R | A CCTV footage of M1 camera 1 and 2 can be seen on the Driver's screen | | OK | | Philemon Milani 484650 13.05.2025 | Train |
| 10292 | A | Press the button 54S3 to acknowledge PEA communication request | | OK | | Philemon Milani 484650 13.05.2025 | Train |
| 10293 | A | Press and hold button 54S4 on TC1 and talk on the microphone | | OK | | Philemon Milani 484650 13.05.2025 | Train |
| 10294 | R | The person in the cabin can be heard from the PEI speaker | | OK | | Philemon Milani 484650 13.05.2025 | Train |
| 10295 | A | Respond by talking back via the PEI | | OK | | Philemon Milani 484650 13.05.2025 | Train |
| 10296 | R | Communication is established between PEI and Driver cab | | OK | | Philemon Milani 484650 13.05.2025 | Train |
| 10297 | A | Press the button 54S3 to end PEA communication | | OK | | Philemon Milani 484650 13.05.2025 | Train |
| 10298 | I | Passenger Emergency Alarm 3 (PEA 44S13) on M1 | | OK | | Philemon Milani 484650 13.05.2025 | Train |
| 10299 | A | Pull the PEA | | OK | | Philemon Milani 484650 13.05.2025 | Train |
| 10300 | R | "Wait/Talk" lamp is BLINKING ORANGE on PEI | | OK | | Philemon Milani 484650 13.05.2025 | Train |
| 10301 | R | A CCTV footage of M1 camera 1 and 2 can be seen on the Driver's screen | | OK | | Philemon Milani 484650 13.05.2025 | Train |
| 10302 | A | Press the button 54S3 to acknowledge PEA communication request | | OK | | Philemon Milani 484650 13.05.2025 | Train |
| 10303 | A | Press and hold button 54S4 on TC1 and talk on the microphone | | OK | | Philemon Milani 484650 13.05.2025 | Train |
| 10304 | R | The person in the cabin can be heard from the PEI speaker | | OK | | Philemon Milani 484650 13.05.2025 | Train |
| 10305 | A | Respond by talking back via the PEI | | OK | | Philemon Milani 484650 13.05.2025 | Train |
| 10306 | R | Communication is established between PEI and Driver cab | | OK | | Philemon Milani 484650 13.05.2025 | Train |
| 10307 | A | Press the button 54S3 to end PEA communication | | OK | | Philemon Milani 484650 13.05.2025 | Train |
| 10308 | I | Passenger Emergency Alarm 4 (PEA 44S14) on M1 | | OK | | Philemon Milani 484650 13.05.2025 | Train |

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|-------|---|--|--|----|--|---|-------|
| 10309 | A | Pull the PEA | | OK | | Philemon Milani 484650 13.05.2025 | Train |
| 10310 | R | "Wait/Talk" lamp is BLINKING ORANGE on PEI | | OK | | Philemon Milani 484650 13.05.2025 | Train |
| 10311 | R | A CCTV footage of M1 camera 1 and 2 can be seen on the Driver's screen | | OK | | Philemon Milani 484650 13.05.2025 | Train |
| 10312 | A | Press the button 54S3 to acknowledge PEA communication request | | OK | | Philemon Milani 484650 13.05.2025 | Train |
| 10313 | A | Press and hold button 54S4 on TC1 and talk on the microphone | | OK | | Philemon Milani 484650 13.05.2025 | Train |
| 10314 | R | The person in the cabin can be heard from the PEI speaker | | OK | | Philemon Milani 484650 13.05.2025 | Train |
| 10315 | A | Respond by talking back via the PEI | | OK | | Philemon Milani 484650 13.05.2025 | Train |
| 10316 | R | Communication is established between PEI and Driver cab | | OK | | Philemon Milani 484650 13.05.2025 | Train |
| 10317 | A | Press the button 54S3 to end PEA communication | | OK | | Philemon Milani 484650 13.05.2025 | Train |
| 10318 | I | Passenger Emergency Alarm 5 (PEA 44S15) on M1 | | OK | | Philemon Milani 484650 13.05.2025 | Train |
| 10319 | A | Pull the PEA | | OK | | Philemon Milani 484650 13.05.2025 | Train |
| 10320 | R | "Wait/Talk" lamp is BLINKING ORANGE on PEI | | OK | | Philemon Milani 484650 13.05.2025 | Train |
| 10321 | R | A CCTV footage of M1 camera 1 and 2 can be seen on the Driver's screen | | OK | | Philemon Milani 484650 13.05.2025 | Train |
| 10322 | A | Press the button 54S3 to acknowledge PEA communication request | | OK | | Philemon Milani 484650 13.05.2025 | Train |
| 10323 | A | Press and hold button 54S4 on TC1 and talk on the microphone | | OK | | Philemon Milani 484650 13.05.2025 | Train |
| 10324 | R | The person in the cabin can be heard from the PEI speaker | | OK | | Philemon Milani 484650 13.05.2025 | Train |
| 10325 | A | Respond by talking back via the PEI | | OK | | Philemon Milani 484650 13.05.2025 | Train |
| 10326 | R | Communication is established between PEI and Driver cab | | OK | | Philemon Milani 484650 13.05.2025 | Train |
| 10327 | A | Press the button 54S3 to end PEA communication | | OK | | Philemon Milani 484650 | Train |

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| | | | | | | 13.05.2025 | |
| 10328 | I | Passenger Emergency Alarm 6 (PEA 44S16) on M1 | | OK | | Philemon Milani 484650 13.05.2025 | Train |
| 10329 | A | Pull the PEA | | OK | | Philemon Milani 484650 13.05.2025 | Train |
| 10330 | R | "Wait/Talk" lamp is BLINKING ORANGE on PEI | | OK | | Philemon Milani 484650 13.05.2025 | Train |
| 10331 | R | A CCTV footage of M1 camera 1 and 2 can be seen on the Driver's screen | | OK | | Philemon Milani 484650 13.05.2025 | Train |
| 10332 | A | Press the button 54S3 to acknowledge PEA communication request | | OK | | Philemon Milani 484650 13.05.2025 | Train |
| 10333 | A | Press and hold button 54S4 on TC1 and talk on the microphone | | OK | | Philemon Milani 484650 13.05.2025 | Train |
| 10334 | R | The person in the cabin can be heard from the PEI speaker | | OK | | Philemon Milani 484650 13.05.2025 | Train |
| 10335 | A | Respond by talking back via the PEI | | OK | | Philemon Milani 484650 13.05.2025 | Train |
| 10336 | R | Communication is established between PEI and Driver cab | | OK | | Philemon Milani 484650 13.05.2025 | Train |
| 10337 | A | Press the button 54S3 to end PEA communication | | OK | | Philemon Milani 484650 13.05.2025 | Train |
| 10338 | R | Read Defined Variable [TT] (MPU1)Li_UBK_M1StateResetPea = 1.0 | | OK | 1 | Philemon Milani 484650 13.05.2025 | Train |
| 10339 | A | Reset PEA using switch 44S6 | | OK | | Philemon Milani 484650 13.05.2025 | Train |
| 10340 | R | Read Defined Variable [TT] (MPU1)Li_UBK_M1StateResetPea = 0.0 | | OK | 0 | Philemon Milani 484650 13.05.2025 | Train |
| 10341 | R | All M1 PEAs are reset | | OK | | Philemon Milani 484650 13.05.2025 | Train |
| 10342 | I | Passenger Emergency Alarm 1 (PEA 44S11) on M2 | | OK | | Philemon Milani 484650 13.05.2025 | Train |
| 10343 | A | Pull the PEA | | OK | | Philemon Milani 484650 13.05.2025 | Train |
| 10344 | R | "Wait/Talk" lamp is BLINKING ORANGE on PEI | | OK | | Philemon Milani 484650 13.05.2025 | Train |
| 10345 | R | A CCTV footage of M2 camera 1 and 2 can be seen on the Driver's screen | | OK | | Philemon Milani 484650 13.05.2025 | Train |

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|-------|---|--|--|----|--|---|-------|
| 10346 | A | Press the button 54S3 to acknowledge PEA communication request | | OK | | Philemon Milani 484650 13.05.2025 | Train |
| 10347 | A | Press and hold button 54S4 on TC1 and talk on the microphone | | OK | | Philemon Milani 484650 13.05.2025 | Train |
| 10348 | R | The person in the cabin can be heard from the PEI speaker | | OK | | Philemon Milani 484650 13.05.2025 | Train |
| 10349 | A | Respond by talking back via the PEI | | OK | | Philemon Milani 484650 13.05.2025 | Train |
| 10350 | R | Communication is established between PEI and Driver cab | | OK | | Philemon Milani 484650 13.05.2025 | Train |
| 10351 | A | Press the button 54S3 to end PEA communication | | OK | | Philemon Milani 484650 13.05.2025 | Train |
| 10352 | I | Passenger Emergency Alarm 2 (PEA 44S12) on M2 | | OK | | Philemon Milani 484650 13.05.2025 | Train |
| 10353 | A | Pull the PEA | | OK | | Philemon Milani 484650 13.05.2025 | Train |
| 10354 | R | "Wait/Talk" lamp is BLINKING ORANGE on PEI | | OK | | Philemon Milani 484650 13.05.2025 | Train |
| 10355 | R | A CCTV footage of M2 camera 1 and 2 can be seen on the Driver's screen | | OK | | Philemon Milani 484650 13.05.2025 | Train |
| 10356 | A | Press the button 54S3 to acknowledge PEA communication request | | OK | | Philemon Milani 484650 13.05.2025 | Train |
| 10357 | A | Press and hold button 54S4 on TC1 and talk on the microphone | | OK | | Philemon Milani 484650 13.05.2025 | Train |
| 10358 | R | The person in the cabin can be heard from the PEI speaker | | OK | | Philemon Milani 484650 13.05.2025 | Train |
| 10359 | A | Respond by talking back via the PEI | | OK | | Philemon Milani 484650 13.05.2025 | Train |
| 10360 | R | Communication is established between PEI and Driver cab | | OK | | Philemon Milani 484650 13.05.2025 | Train |
| 10361 | A | Press the button 54S3 to end PEA communication | | OK | | Philemon Milani 484650 13.05.2025 | Train |
| 10362 | I | Passenger Emergency Alarm 3 (PEA 44S13) on M2 | | OK | | Philemon Milani 484650 13.05.2025 | Train |
| 10363 | A | Pull the PEA | | OK | | Philemon Milani 484650 13.05.2025 | Train |
| 10364 | R | "Wait/Talk" lamp is BLINKING ORANGE on PEI | | OK | | Philemon Milani 484650 | Train |

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|-------|---|--|--|----|--|---|-------|
| | | | | | | 13.05.2025 | |
| 10365 | R | A CCTV footage of M2 camera 1 and 2 can be seen on the Driver's screen | | OK | | Philemon Milani 484650 13.05.2025 | Train |
| 10366 | A | Press the button 54S3 to acknowledge PEA communication request | | OK | | Philemon Milani 484650 13.05.2025 | Train |
| 10367 | A | Press and hold button 54S4 on TC1 and talk on the microphone | | OK | | Philemon Milani 484650 13.05.2025 | Train |
| 10368 | R | The person in the cabin can be heard from the PEI speaker | | OK | | Philemon Milani 484650 13.05.2025 | Train |
| 10369 | A | Respond by talking back via the PEI | | OK | | Philemon Milani 484650 13.05.2025 | Train |
| 10370 | R | Communication is established between PEI and Driver cab | | OK | | Philemon Milani 484650 13.05.2025 | Train |
| 10371 | A | Press the button 54S3 to end PEA communication | | OK | | Philemon Milani 484650 13.05.2025 | Train |
| 10372 | I | Passenger Emergency Alarm 4 (PEA 44S14) on M2 | | OK | | Philemon Milani 484650 13.05.2025 | Train |
| 10373 | A | Pull the PEA | | OK | | Philemon Milani 484650 13.05.2025 | Train |
| 10374 | R | "Wait/Talk" lamp is BLINKING ORANGE on PEI | | OK | | Philemon Milani 484650 13.05.2025 | Train |
| 10375 | R | A CCTV footage of M2 camera 1 and 2 can be seen on the Driver's screen | | OK | | Philemon Milani 484650 13.05.2025 | Train |
| 10376 | A | Press the button 54S3 to acknowledge PEA communication request | | OK | | Philemon Milani 484650 13.05.2025 | Train |
| 10377 | A | Press and hold button 54S4 on TC1 and talk on the microphone | | OK | | Philemon Milani 484650 13.05.2025 | Train |
| 10378 | R | The person in the cabin can be heard from the PEI speaker | | OK | | Philemon Milani 484650 13.05.2025 | Train |
| 10379 | A | Respond by talking back via the PEI | | OK | | Philemon Milani 484650 13.05.2025 | Train |
| 10380 | R | Communication is established between PEI and Driver cab | | OK | | Philemon Milani 484650 13.05.2025 | Train |
| 10381 | A | Press the button 54S3 to end PEA communication | | OK | | Philemon Milani 484650 13.05.2025 | Train |
| 10382 | I | Passenger Emergency Alarm 5 (PEA 44S15) on M2 | | OK | | Philemon Milani 484650 13.05.2025 | Train |

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|-------|---|--|--|----|--|---|-------|
| 10383 | A | Pull the PEA | | OK | | Philemon Milani 484650 13.05.2025 | Train |
| 10384 | R | "Wait/Talk" lamp is BLINKING ORANGE on PEI | | OK | | Philemon Milani 484650 13.05.2025 | Train |
| 10385 | R | A CCTV footage of M2 camera 1 and 2 can be seen on the Driver's screen | | OK | | Philemon Milani 484650 13.05.2025 | Train |
| 10386 | A | Press the button 54S3 to acknowledge PEA communication request | | OK | | Philemon Milani 484650 13.05.2025 | Train |
| 10387 | A | Press and hold button 54S4 on TC1 and talk on the microphone | | OK | | Philemon Milani 484650 13.05.2025 | Train |
| 10388 | R | The person in the cabin can be heard from the PEI speaker | | OK | | Philemon Milani 484650 13.05.2025 | Train |
| 10389 | A | Respond by talking back via the PEI | | OK | | Philemon Milani 484650 13.05.2025 | Train |
| 10390 | R | Communication is established between PEI and Driver cab | | OK | | Philemon Milani 484650 13.05.2025 | Train |
| 10391 | A | Press the button 54S3 to end PEA communication | | OK | | Philemon Milani 484650 13.05.2025 | Train |
| 10392 | I | Passenger Emergency Alarm 6 (PEA 44S16) on M2 | | OK | | Philemon Milani 484650 13.05.2025 | Train |
| 10393 | A | Pull the PEA | | OK | | Philemon Milani 484650 13.05.2025 | Train |
| 10394 | R | "Wait/Talk" lamp is BLINKING ORANGE on PEI | | OK | | Philemon Milani 484650 13.05.2025 | Train |
| 10395 | R | A CCTV footage of M2 camera 1 and 2 can be seen on the Driver's screen | | OK | | Philemon Milani 484650 13.05.2025 | Train |
| 10396 | A | Press the button 54S3 to acknowledge PEA communication request | | OK | | Philemon Milani 484650 13.05.2025 | Train |
| 10397 | A | Press and hold button 54S4 on TC1 and talk on the microphone | | OK | | Philemon Milani 484650 13.05.2025 | Train |
| 10398 | R | The person in the cabin can be heard from the PEI speaker | | OK | | Philemon Milani 484650 13.05.2025 | Train |
| 10399 | A | Respond by talking back via the PEI | | OK | | Philemon Milani 484650 13.05.2025 | Train |
| 10400 | R | Communication is established between PEI and Driver cab | | OK | | Philemon Milani 484650 13.05.2025 | Train |
| 10401 | A | Press the button 54S3 to end PEA communication | | OK | | Philemon Milani 484650 | Train |

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|-------|---|---|--|----|---|---|-------|
| | | | | | | 13.05.2025 | |
| 10402 | R | Read Defined Variable [TT] (MPU1)Li_UBK_M2StateResetPea = 1.0 | | OK | 1 | Philemon Milani 484650 13.05.2025 | Train |
| 10403 | A | Reset PEA using switch 44S6 | | OK | | Philemon Milani 484650 13.05.2025 | Train |
| 10404 | R | Read Defined Variable [TT] (MPU1)Li_UBK_M2StateResetPea = 0.0 | | OK | 0 | Philemon Milani 484650 13.05.2025 | Train |
| 10405 | R | All M2 PEAs are reset | | OK | | Philemon Milani 484650 13.05.2025 | Train |
| 10406 | I | Passenger Emergency Alarm 1 (PEA 44S11) on M3 | | OK | | Philemon Milani 484650 13.05.2025 | Train |
| 10407 | A | Pull the PEA | | OK | | Philemon Milani 484650 13.05.2025 | Train |
| 10408 | R | "Wait/Talk" lamp is BLINKING ORANGE on PEI | | OK | | Philemon Milani 484650 13.05.2025 | Train |
| 10409 | R | A CCTV footage of M3 camera 1 and 2 can be seen on the Driver's screen | | OK | | Philemon Milani 484650 13.05.2025 | Train |
| 10410 | A | Press the button 54S3 to acknowledge PEA communication request | | OK | | Philemon Milani 484650 13.05.2025 | Train |
| 10411 | A | Press and hold button 54S4 on TC1 and talk on the microphone | | OK | | Philemon Milani 484650 13.05.2025 | Train |
| 10412 | R | The person in the cabin can be heard from the PEI speaker | | OK | | Philemon Milani 484650 13.05.2025 | Train |
| 10413 | A | Respond by talking back via the PEI | | OK | | Philemon Milani 484650 13.05.2025 | Train |
| 10414 | R | Communication is established between PEI and Driver cab | | OK | | Philemon Milani 484650 13.05.2025 | Train |
| 10415 | A | Press the button 54S3 to end PEA communication | | OK | | Philemon Milani 484650 13.05.2025 | Train |
| 10416 | I | Passenger Emergency Alarm 2 (PEA 44S12) on M3 | | OK | | Sizwe Sibanyoni 484647 19.05.2025 | Train |
| 10417 | A | Pull the PEA | | OK | | Sizwe Sibanyoni 484647 19.05.2025 | Train |
| 10418 | R | "Wait/Talk" lamp is BLINKING ORANGE on PEI | | OK | | Sizwe Sibanyoni 484647 19.05.2025 | Train |
| 10419 | R | A CCTV footage of M3 camera 1 and 2 can be seen on the Driver's screen | | OK | | Sizwe Sibanyoni 484647 19.05.2025 | Train |

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|-------|---|--|--|----|--|---|-------|
| 10420 | A | Press the button 54S3 to acknowledge PEA communication request | | OK | | Sizwe Sibanyoni 484647 19.05.2025 | Train |
| 10421 | A | Press and hold button 54S4 on TC1 and talk on the microphone | | OK | | Sizwe Sibanyoni 484647 19.05.2025 | Train |
| 10422 | R | The person in the cabin can be heard from the PEI speaker | | OK | | Sizwe Sibanyoni 484647 19.05.2025 | Train |
| 10423 | A | Respond by talking back via the PEI | | OK | | Sizwe Sibanyoni 484647 19.05.2025 | Train |
| 10424 | R | Communication is established between PEI and Driver cab | | OK | | Sizwe Sibanyoni 484647 19.05.2025 | Train |
| 10425 | A | Press the button 54S3 to end PEA communication | | OK | | Sizwe Sibanyoni 484647 19.05.2025 | Train |
| 10426 | I | Passenger Emergency Alarm 3 (PEA 44S13) on M3 | | OK | | Philemon Milani 484650 13.05.2025 | Train |
| 10427 | A | Pull the PEA | | OK | | Philemon Milani 484650 13.05.2025 | Train |
| 10428 | R | "Wait/Talk" lamp is BLINKING ORANGE on PEI | | OK | | Philemon Milani 484650 13.05.2025 | Train |
| 10429 | R | A CCTV footage of M3 camera 1 and 2 can be seen on the Driver's screen | | OK | | Philemon Milani 484650 13.05.2025 | Train |
| 10430 | A | Press the button 54S3 to acknowledge PEA communication request | | OK | | Philemon Milani 484650 13.05.2025 | Train |
| 10431 | A | Press and hold button 54S4 on TC1 and talk on the microphone | | OK | | Philemon Milani 484650 13.05.2025 | Train |
| 10432 | R | The person in the cabin can be heard from the PEI speaker | | OK | | Philemon Milani 484650 13.05.2025 | Train |
| 10433 | A | Respond by talking back via the PEI | | OK | | Philemon Milani 484650 13.05.2025 | Train |
| 10434 | R | Communication is established between PEI and Driver cab | | OK | | Philemon Milani 484650 13.05.2025 | Train |
| 10435 | A | Press the button 54S3 to end PEA communication | | OK | | Philemon Milani 484650 13.05.2025 | Train |
| 10436 | I | Passenger Emergency Alarm 4 (PEA 44S14) on M3 | | OK | | Sizwe Sibanyoni 484647 19.05.2025 | Train |
| 10437 | A | Pull the PEA | | OK | | Sizwe Sibanyoni 484647 19.05.2025 | Train |
| 10438 | R | "Wait/Talk" lamp is BLINKING ORANGE on PEI | | OK | | Sizwe Sibanyoni 484647 | Train |

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|-------|---|--|--|----|--|---|-------|
| | | | | | | 19.05.2025 | |
| 10439 | R | A CCTV footage of M3 camera 1 and 2 can be seen on the Driver's screen | | OK | | Sizwe Sibanyoni 484647 19.05.2025 | Train |
| 10440 | A | Press the button 54S3 to acknowledge PEA communication request | | OK | | Sizwe Sibanyoni 484647 19.05.2025 | Train |
| 10441 | A | Press and hold button 54S4 on TC1 and talk on the microphone | | OK | | Sizwe Sibanyoni 484647 19.05.2025 | Train |
| 10442 | R | The person in the cabin can be heard from the PEI speaker | | OK | | Sizwe Sibanyoni 484647 19.05.2025 | Train |
| 10443 | A | Respond by talking back via the PEI | | OK | | Sizwe Sibanyoni 484647 19.05.2025 | Train |
| 10444 | R | Communication is established between PEI and Driver cab | | OK | | Sizwe Sibanyoni 484647 19.05.2025 | Train |
| 10445 | A | Press the button 54S3 to end PEA communication | | OK | | Sizwe Sibanyoni 484647 19.05.2025 | Train |
| 10446 | I | Passenger Emergency Alarm 5 (PEA 44S15) on M3 | | OK | | Philemon Milani 484650 13.05.2025 | Train |
| 10447 | A | Pull the PEA | | OK | | Philemon Milani 484650 13.05.2025 | Train |
| 10448 | R | "Wait/Talk" lamp is BLINKING ORANGE on PEI | | OK | | Philemon Milani 484650 13.05.2025 | Train |
| 10449 | R | A CCTV footage of M3 camera 1 and 2 can be seen on the Driver's screen | | OK | | Philemon Milani 484650 13.05.2025 | Train |
| 10450 | A | Press the button 54S3 to acknowledge PEA communication request | | OK | | Philemon Milani 484650 13.05.2025 | Train |
| 10451 | A | Press and hold button 54S4 on TC1 and talk on the microphone | | OK | | Philemon Milani 484650 13.05.2025 | Train |
| 10452 | R | The person in the cabin can be heard from the PEI speaker | | OK | | Philemon Milani 484650 13.05.2025 | Train |
| 10453 | A | Respond by talking back via the PEI | | OK | | Philemon Milani 484650 13.05.2025 | Train |
| 10454 | R | Communication is established between PEI and Driver cab | | OK | | Philemon Milani 484650 13.05.2025 | Train |
| 10455 | A | Press the button 54S3 to end PEA communication | | OK | | Philemon Milani 484650 13.05.2025 | Train |
| 10456 | I | Passenger Emergency Alarm 6 (PEA 44S16) on M3 | | OK | | Philemon Milani 484650 13.05.2025 | Train |




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|-------|---|---|--|----|---|---|-------|
| 10457 | A | Pull the PEA | | OK | | Sizwe Sibanyoni 484647 19.05.2025 | Train |
| 10458 | R | "Wait/Talk" lamp is BLINKING ORANGE on PEI | | OK | | Sizwe Sibanyoni 484647 19.05.2025 | Train |
| 10459 | R | A CCTV footage of M3 camera 1 and 2 can be seen on the Driver's screen | | OK | | Sizwe Sibanyoni 484647 19.05.2025 | Train |
| 10460 | A | Press the button 54S3 to acknowledge PEA communication request | | OK | | Sizwe Sibanyoni 484647 19.05.2025 | Train |
| 10461 | A | Press and hold button 54S4 on TC1 and talk on the microphone | | OK | | Sizwe Sibanyoni 484647 19.05.2025 | Train |
| 10462 | R | The person in the cabin can be heard from the PEI speaker | | OK | | Sizwe Sibanyoni 484647 19.05.2025 | Train |
| 10463 | A | Respond by talking back via the PEI | | OK | | Sizwe Sibanyoni 484647 19.05.2025 | Train |
| 10464 | R | Communication is established between PEI and Driver cab | | OK | | Sizwe Sibanyoni 484647 19.05.2025 | Train |
| 10465 | A | Press the button 54S3 to end PEA communication | | OK | | Sizwe Sibanyoni 484647 19.05.2025 | Train |
| 10466 | R | Read Defined Variable [TT] (MPU1)Li_UBK_M3StateResetPea = 1.0 | | OK | 1 | Philemon Milani 484650 13.05.2025 | Train |
| 10467 | A | Reset PEA using switch 44S6 | | OK | | Philemon Milani 484650 13.05.2025 | Train |
| 10468 | R | Read Defined Variable [TT] (MPU1)Li_UBK_M3StateResetPea = 0.0 | | OK | 0 | Philemon Milani 484650 13.05.2025 | Train |
| 10469 | R | All M3 PEAs are reset | | OK | | Philemon Milani 484650 13.05.2025 | Train |
| 10470 | I | Passenger Emergency Alarm 1 (PEA 44S11) on TC2 | | OK | | Philemon Milani 484650 13.05.2025 | Train |
| 10471 | A | Pull the PEA | | OK | | Philemon Milani 484650 13.05.2025 | Train |
| 10472 | R | "Wait/Talk" lamp is BLINKING ORANGE on PEI | | OK | | Philemon Milani 484650 13.05.2025 | Train |
| 10473 | R | A CCTV footage of TC2 camera 1 and 2 can be seen on the Driver's screen | | OK | | Philemon Milani 484650 13.05.2025 | Train |
| 10474 | A | Press the button 54S3 to acknowledge PEA communication request | | OK | | Philemon Milani 484650 13.05.2025 | Train |
| 10475 | A | Press and hold button 54S4 on TC1 and talk on the microphone | | OK | | Philemon Milani 484650 | Train |


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|-------|---|---|--|----|--|---|-------|
| | | | | | | 13.05.2025 | |
| 10476 | R | The person in the cabin can be heard from the PEI speaker | | OK | | Philemon Milani 484650 13.05.2025 | Train |
| 10477 | A | Respond by talking back via the PEI | | OK | | Philemon Milani 484650 13.05.2025 | Train |
| 10478 | R | Communication is established between PEI and Driver cab | | OK | | Philemon Milani 484650 13.05.2025 | Train |
| 10479 | A | Press the button 54S3 to end PEA communication | | OK | | Philemon Milani 484650 13.05.2025 | Train |
| 10480 | I | Passenger Emergency Alarm 2 (PEA 44S12) on TC2 | | OK | | Philemon Milani 484650 13.05.2025 | Train |
| 10481 | A | Pull the PEA | | OK | | Philemon Milani 484650 13.05.2025 | Train |
| 10482 | R | "Wait/Talk" lamp is BLINKING ORANGE on PEI | | OK | | Philemon Milani 484650 13.05.2025 | Train |
| 10483 | R | A CCTV footage of TC2 camera 1 and 2 can be seen on the Driver's screen | | OK | | Philemon Milani 484650 13.05.2025 | Train |
| 10484 | A | Press the button 54S3 to acknowledge PEA communication request | | OK | | Philemon Milani 484650 13.05.2025 | Train |
| 10485 | A | Press and hold button 54S4 on TC1 and talk on the microphone | | OK | | Philemon Milani 484650 13.05.2025 | Train |
| 10486 | R | The person in the cabin can be heard from the PEI speaker | | OK | | Philemon Milani 484650 13.05.2025 | Train |
| 10487 | A | Respond by talking back via the PEI | | OK | | Philemon Milani 484650 13.05.2025 | Train |
| 10488 | R | Communication is established between PEI and Driver cab | | OK | | Philemon Milani 484650 13.05.2025 | Train |
| 10489 | A | Press the button 54S3 to end PEA communication | | OK | | Philemon Milani 484650 13.05.2025 | Train |
| 10490 | I | Passenger Emergency Alarm 3 (PEA 44S13) on TC2 | | OK | | Philemon Milani 484650 13.05.2025 | Train |
| 10491 | A | Pull the PEA | | OK | | Philemon Milani 484650 13.05.2025 | Train |
| 10492 | R | "Wait/Talk" lamp is BLINKING ORANGE on PEI | | OK | | Philemon Milani 484650 13.05.2025 | Train |
| 10493 | R | A CCTV footage of TC2 camera 1 and 2 can be seen on the Driver's screen | | OK | | Philemon Milani 484650 13.05.2025 | Train |

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|-------|---|---|--|----|--|---|-------|
| 10494 | A | Press the button 54S3 to acknowledge PEA communication request | | OK | | Philemon Milani 484650 13.05.2025 | Train |
| 10495 | A | Press and hold button 54S4 on TC1 and talk on the microphone | | OK | | Philemon Milani 484650 13.05.2025 | Train |
| 10496 | R | The person in the cabin can be heard from the PEI speaker | | OK | | Philemon Milani 484650 13.05.2025 | Train |
| 10497 | A | Respond by talking back via the PEI | | OK | | Philemon Milani 484650 13.05.2025 | Train |
| 10498 | R | Communication is established between PEI and Driver cab | | OK | | Philemon Milani 484650 13.05.2025 | Train |
| 10499 | A | Press the button 54S3 to end PEA communication | | OK | | Philemon Milani 484650 13.05.2025 | Train |
| 10500 | I | Passenger Emergency Alarm 4 (PEA 44S14) on TC2 | | OK | | Philemon Milani 484650 13.05.2025 | Train |
| 10501 | A | Pull the PEA | | OK | | Philemon Milani 484650 13.05.2025 | Train |
| 10502 | R | "Wait/Talk" lamp is BLINKING ORANGE on PEI | | OK | | Philemon Milani 484650 13.05.2025 | Train |
| 10503 | R | A CCTV footage of TC2 camera 1 and 2 can be seen on the Driver's screen | | OK | | Philemon Milani 484650 13.05.2025 | Train |
| 10504 | A | Press the button 54S3 to acknowledge PEA communication request | | OK | | Philemon Milani 484650 13.05.2025 | Train |
| 10505 | A | Press and hold button 54S4 on TC1 and talk on the microphone | | OK | | Philemon Milani 484650 13.05.2025 | Train |
| 10506 | R | The person in the cabin can be heard from the PEI speaker | | OK | | Philemon Milani 484650 13.05.2025 | Train |
| 10507 | A | Respond by talking back via the PEI | | OK | | Philemon Milani 484650 13.05.2025 | Train |
| 10508 | R | Communication is established between PEI and Driver cab | | OK | | Philemon Milani 484650 13.05.2025 | Train |
| 10509 | A | Press the button 54S3 to end PEA communication | | OK | | Philemon Milani 484650 13.05.2025 | Train |
| 10510 | I | Passenger Emergency Alarm 5 (PEA 44S15) on TC2 | | OK | | Philemon Milani 484650 13.05.2025 | Train |
| 10511 | A | Pull the PEA | | OK | | Philemon Milani 484650 13.05.2025 | Train |
| 10512 | R | "Wait/Talk" lamp is BLINKING ORANGE on PEI | | OK | | Philemon Milani 484650 | Train |


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|-------|---|---|--|----|--|---|-------|
| | | | | | | 13.05.2025 | |
| 10513 | R | A CCTV footage of TC2 camera 1 and 2 can be seen on the Driver's screen | | OK | | Philemon Milani 484650 13.05.2025 | Train |
| 10514 | A | Press the button 54S3 to acknowledge PEA communication request | | OK | | Philemon Milani 484650 13.05.2025 | Train |
| 10515 | A | Press and hold button 54S4 on TC1 and talk on the microphone | | OK | | Philemon Milani 484650 13.05.2025 | Train |
| 10516 | R | The person in the cabin can be heard from the PEI speaker | | OK | | Philemon Milani 484650 13.05.2025 | Train |
| 10517 | A | Respond by talking back via the PEI | | OK | | Philemon Milani 484650 13.05.2025 | Train |
| 10518 | R | Communication is established between PEI and Driver cab | | OK | | Philemon Milani 484650 13.05.2025 | Train |
| 10519 | A | Press the button 54S3 to end PEA communication | | OK | | Philemon Milani 484650 13.05.2025 | Train |
| 10520 | I | Passenger Emergency Alarm 6 (PEA 44S16) on TC2 | | OK | | Philemon Milani 484650 13.05.2025 | Train |
| 10521 | A | Pull the PEA | | OK | | Philemon Milani 484650 13.05.2025 | Train |
| 10522 | R | "Wait/Talk" lamp is BLINKING ORANGE on PEI | | OK | | Philemon Milani 484650 13.05.2025 | Train |
| 10523 | R | A CCTV footage of TC2 camera 1 and 2 can be seen on the Driver's screen | | OK | | Philemon Milani 484650 13.05.2025 | Train |
| 10524 | A | Press the button 54S3 to acknowledge PEA communication request | | OK | | Philemon Milani 484650 13.05.2025 | Train |
| 10525 | A | Press and hold button 54S4 on TC1 and talk on the microphone | | OK | | Philemon Milani 484650 13.05.2025 | Train |
| 10526 | R | The person in the cabin can be heard from the PEI speaker | | OK | | Philemon Milani 484650 13.05.2025 | Train |
| 10527 | A | Respond by talking back via the PEI | | OK | | Philemon Milani 484650 13.05.2025 | Train |
| 10528 | R | Communication is established between PEI and Driver cab | | OK | | Philemon Milani 484650 13.05.2025 | Train |
| 10529 | A | Press the button 54S3 to end PEA communication | | OK | | Philemon Milani 484650 13.05.2025 | Train |
| 10530 | I | Call for Aid (CFA 54S5) on TC2 | | OK | | Philemon Milani 484650 13.05.2025 | Train |

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|-------|---|---|--|----|---|---|-------|
| 10531 | A | Press the SOS button 54S5 | | OK | | Philemon Milani 484650 13.05.2025 | Train |
| 10532 | R | Button lamp 54S5 is ON | | OK | | Philemon Milani 484650 13.05.2025 | Train |
| 10533 | R | No sound can be heard in all saloon speakers | | OK | | Philemon Milani 484650 13.05.2025 | Train |
| 10534 | R | Displays INT1 and INT2 indicate "Call for AID" in all saloon cars | | OK | | Philemon Milani 484650 13.05.2025 | Train |
| 10535 | R | Lateral displays LAT1 and LAT2 indicate "Call for AID" on TC2 | | OK | | Philemon Milani 484650 13.05.2025 | Train |
| 10536 | R | A CCTV footage of TC2 camera 1 and 2 can be seen on the Driver's screen | | OK | | Philemon Milani 484650 13.05.2025 | Train |
| 10537 | A | Press the button 54S3 to acknowledge SOS communication request | | OK | | Philemon Milani 484650 13.05.2025 | Train |
| 10538 | A | Press and hold button 54S4 on TC1 and talk on the microphone | | OK | | Philemon Milani 484650 13.05.2025 | Train |
| 10539 | R | The person in the cabin can be heard from the PEI speaker | | OK | | Philemon Milani 484650 13.05.2025 | Train |
| 10540 | A | Respond by talking back via the PEI near 54S5 | | OK | | Philemon Milani 484650 13.05.2025 | Train |
| 10541 | R | Communication is established between PEI and Driver cab | | OK | | Philemon Milani 484650 13.05.2025 | Train |
| 10542 | A | Press the button 54S3 to end PEA communication | | OK | | Philemon Milani 484650 13.05.2025 | Train |
| 10543 | A | Open and close doors left and right doors | | OK | | Philemon Milani 484650 13.05.2025 | Train |
| 10544 | R | All doors are closed and in blue colour on DDU | | OK | | Philemon Milani 484650 13.05.2025 | Train |
| 10545 | I | PEAs functional Test from TC2 cab | | OK | | Philemon Milani 484650 13.05.2025 | Train |
| 10546 | I | This is a quick test to verify that all PEAs work and can be reset from TC2 | | OK | | Philemon Milani 484650 13.05.2025 | Train |
| 10547 | A | Insert Driver's Key and turn to ON position | | OK | | Philemon Milani 484650 13.05.2025 | Train |
| 10548 | A | Login as Driver using the code 70787878 | | OK | | Philemon Milani 484650 13.05.2025 | Train |
| 10549 | R | Read Defined Variable [TT] (MPU1)li_dor_tc2alldoorsclosedr1 = 0.0 | | OK | 0 | Sizwe Sibanyoni 484647 | Train |

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| 10550 | R | |  | OK | | Sizwe Sibanyoni 484647 19.05.2025 | Train |
| 10551 | A | Pull all the PEAs on Train | | OK | | Philemon Milani 484650 13.05.2025 | Train |
| 10552 | R | |  | OK | | Philemon Milani 484650 13.05.2025 | Train |
| 10553 | R | Read Defined Variable [TT] (MPU1)li_dor_tc2alldoorsclosedr1 = 1.0 | | OK | 1 | Philemon Milani 484650 13.05.2025 | Train |
| 10554 | R | |  | OK | | Philemon Milani 484650 13.05.2025 | 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 | | Philemon Milani 484650 13.05.2025 | Train |
| 10556 | R | Lamp 44H1 is ON |  | OK | | Philemon Milani 484650 13.05.2025 | Train |
| 10557 | R | Read Defined Variable [TT] (MPU1)li_ubk_tc2pealoop = 1.0 | | OK | 1 | Philemon Milani 484650 13.05.2025 | Train |
| 10558 | A | Press and hold the button 54S4 while talking on the microphone | | OK | | Philemon Milani 484650 13.05.2025 | Train |
| 10559 | R | The person in the cabin can be heard from the PEI speaker | | OK | | Philemon Milani 484650 13.05.2025 | Train |
| 10560 | I | It is not necessary to perform step below for all PEAs, one PEA is sufficient | | OK | | Philemon Milani 484650 13.05.2025 | Train |
| 10561 | A | Respond by talking back via the PEI | | OK | | Philemon Milani 484650 13.05.2025 | Train |
| 10562 | R | Communication is established between PEI and Driver cab | | OK | | Philemon Milani 484650 13.05.2025 | Train |
| 10563 | A | Reset all PEAs at using switch 44S6 | | OK | | Philemon Milani 484650 13.05.2025 | Train |
| 10564 | R | All PEAs are reset, and a click sound can be heard while PEA returns to its normal state | | OK | | Philemon Milani 484650 13.05.2025 | Train |
| 10565 | A | Open and close doors left and right doors | | OK | | Philemon Milani 484650 13.05.2025 | Train |
| 10566 | R | All doors are closed and in blue colour on DDU |  | OK | | Philemon Milani 484650 13.05.2025 | Train |
| 10567 | R | Lamp 44H1 is OFF | | OK | | Philemon Milani 484650 13.05.2025 | Train |

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| 10568 | R | No message on Pacis displays | | OK | | Philemon Milani 484650 13.05.2025 | Train |
| 10569 | R | Read Defined Variable [TT] (MPU1)li_ubk_tc2pealooop = 0.0 | | OK | 0 | Philemon Milani 484650 13.05.2025 | Train |
| 10570 | R | No CCTV footage showing on Driver's screen | | OK | | Philemon Milani 484650 13.05.2025 | Train |
| 10571 | A | On the Event screen, check that there are no IOS related to doors or PEAs recorded | | OK | | Philemon Milani 484650 13.05.2025 | Train |
| 10572 | R | After test is completed, the DDU PEA screen should be as shown |  | OK | | Philemon Milani 484650 13.05.2025 | Train |
| 10573 | A | Repeat this test for 4 times | | OK | | Philemon Milani 484650 13.05.2025 | Train |
| 10574 | R | 1st attempt passed | | OK | | Philemon Milani 484650 13.05.2025 | Train |
| 10575 | R | 2nd attempt passed | | OK | | Philemon Milani 484650 13.05.2025 | Train |
| 10576 | R | 3rd attempt passed | | OK | | Sizwe Sibanyoni 484647 19.05.2025 | Train |
| 10577 | R | 4th attempt passed | | OK | | Sizwe Sibanyoni 484647 19.05.2025 | Train |
| 10578 | I | Public Announcements TC2 | | OK | | Philemon Milani 484650 13.05.2025 | Train |
| 10579 | R | Read Defined Variable [TT] (MPU1)Lo_PIS_Tc2DduPaPbR1 = 0.0 | | OK | 0 | Philemon Milani 484650 13.05.2025 | Train |
| 10580 | R | Read Defined Variable [TT] (MPU1)Lo_PIS_Tc2DduPaPbR2 = 0.0 | | OK | 0 | Philemon Milani 484650 13.05.2025 | Train |
| 10581 | A | Pulse the switch 54S1 to the right to activate PA announcement | | OK | | Philemon Milani 484650 13.05.2025 | Train |
| 10582 | R | Green lamp 54H2 is ON | | OK | | Philemon Milani 484650 13.05.2025 | Train |
| 10583 | R | A beep sound can be heard in all saloon speakers | | OK | | Philemon Milani 484650 13.05.2025 | Train |
| 10584 | R | On Driver's screen (Home Page), PA activation message is displayed | | OK | | Philemon Milani 484650 13.05.2025 | Train |
| 10585 | A | Press the button 54S4 and hold it while talking via the microphone | | OK | | Philemon Milani 484650 13.05.2025 | Train |
| 10586 | R | Announcement can be heard in saloon speakers of all cars | | OK | | Philemon Milani 484650 | Train |

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| 10587 | A | Release the button 54S4 | | OK | | Philemon Milani 484650 13.05.2025 | Train |
| 10588 | A | Talk on the microphone | | OK | | Philemon Milani 484650 13.05.2025 | Train |
| 10589 | R | No sound can be heard in all cars | | OK | | Philemon Milani 484650 13.05.2025 | Train |
| 10590 | A | Pulse the switch 54S1 to the right to de-activate PA announcement | | OK | | Philemon Milani 484650 13.05.2025 | Train |
| 10591 | A | Green lamp 54H2 is OFF |  | OK | | Philemon Milani 484650 13.05.2025 | 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 | | Philemon Milani 484650 13.05.2025 | Train |
| 10593 | R | Read Defined Variable [TT] (MPU1)Lo_PIS_Tc2DduPaPbR1 = 1.0 | | OK | 1 | Philemon Milani 484650 13.05.2025 | Train |
| 10594 | R | Read Defined Variable [TT] (MPU1)Lo_PIS_Tc2DduPaPbR2 = 1.0 | | OK | 1 | Philemon Milani 484650 13.05.2025 | Train |
| 10595 | R | Green lamp 54H2 is ON | | OK | | Philemon Milani 484650 13.05.2025 | Train |
| 10596 | R | PA announcement is activated | | OK | | Philemon Milani 484650 13.05.2025 | Train |
| 10597 | A | On the driver's screen (Home Page) select the "Public Address" virtual button to end communication | | OK | | Philemon Milani 484650 13.05.2025 | Train |
| 10598 | R | Read Defined Variable [TT] (MPU1)Lo_PIS_Tc2DduPaPbR1 = 0.0 | | OK | 0 | Philemon Milani 484650 13.05.2025 | Train |
| 10599 | R | Read Defined Variable [TT] (MPU1)Lo_PIS_Tc2DduPaPbR2 = 0.0 | | OK | 0 | Philemon Milani 484650 13.05.2025 | Train |
| 10600 | R | Green lamp 54H2 is OFF | | OK | | Philemon Milani 484650 13.05.2025 | Train |
| 10601 | I | PA announcement is de-activated | | OK | | Philemon Milani 484650 13.05.2025 | Train |
| 10602 | A | Press the button 54S4 and hold it while talking on the microphone | | OK | | Philemon Milani 484650 13.05.2025 | Train |
| 10603 | R | Sound cannot be heard in all speakers | | OK | | Philemon Milani 484650 13.05.2025 | Train |
| 10604 | A | Release the button 54S4 | | OK | | Philemon Milani 484650 13.05.2025 | Train |

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|-------|---|--|---|----|--|---|-------|
| 10605 | A | Remove active cab on TC1 | | OK | | Philemon Milani 484650 13.05.2025 | Train |
| 10606 | A | Pulse the switch 54S1 to the right to activate PA announcement | | OK | | Philemon Milani 484650 13.05.2025 | Train |
| 10607 | R | Green lamp 54H2 is OFF | | OK | | Philemon Milani 484650 13.05.2025 | Train |
| 10608 | R | No PA announcement activation showing on the Driver's screen | | OK | | Philemon Milani 484650 13.05.2025 | Train |
| 10609 | I | Ventilation Rack TC2 | | OK | | Philemon Milani 484650 13.05.2025 | Train |
| 10610 | A | Follow the instruction below o how to test the ventilation rack |  | OK | | Philemon Milani 484650 13.05.2025 | Train |
| 10611 | R | All three fans of the ventilation rack are working | | OK | | Philemon Milani 484650 13.05.2025 | Train |
| 10612 | I | Pacis audio and displays test | | OK | | Philemon Milani 484650 13.05.2025 | 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 | | Philemon Milani 484650 13.05.2025 | Train |
| 10614 | A | Launch the Pacis Test from the DDU | | OK | | Philemon Milani 484650 13.05.2025 | Train |
| 10615 | R | All saloon speakers and displays are working on train | | OK | | Philemon Milani 484650 13.05.2025 | Train |
| 10616 | A | Stop the Pacis test | | OK | | Philemon Milani 484650 13.05.2025 | Train |
| 10617 | I | End of Test | | OK | | Philemon Milani 484650 13.05.2025 | Train |



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| Serial Tests Report TS280 – TFS RTR Train Functional Static Test Report | Document Reference GIB0000008079 Version: A0 | Emission date 16/05/2025 |
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Section 29 – Dynamic Pre-Test

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 | | Paseka Ditlhakanyane 491468 06.05.2025 | Train |
| 10002 | I | Train Normalisation | | OK | | Paseka Ditlhakanyane 491468 06.05.2025 | Train |
| 10003 | A | Whilst checking the LV cubicles in each Car, also check the dataplug ground cables if they are secured and tightened | | OK | | Paseka Ditlhakanyane 491468 06.05.2025 | Train |
| 10004 | I | TC1 | | OK | | Paseka Ditlhakanyane 491468 06.05.2025 | Train |
| 10005 | R | ALL LV1.1 connectors are connected and tightly secured with screws | | OK | | Paseka Ditlhakanyane 491468 06.05.2025 | Train |
| 10006 | R | ALL LV2.1 connectors are connected and tightly secured with screws | | OK | | Paseka Ditlhakanyane 491468 06.05.2025 | Train |
| 10007 | R | ALL LV7 connectors are connected and tightly secured with screws | | OK | | Paseka Ditlhakanyane 491468 06.05.2025 | Train |
| 10008 | R | ALL HVAC Cubicle connectors are connected and tightly secured with screws | | OK | | Paseka Ditlhakanyane 491468 06.05.2025 | Train |
| 10009 | R | ALL underframe connectors are connected and tightly secured with screws | | OK | | Paseka Ditlhakanyane 491468 06.05.2025 | Train |
| 10010 | R | ALL inter-car connectors are connected and tightly secured with screws | | OK | | Paseka Ditlhakanyane 491468 06.05.2025 | 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 | | Paseka Ditlhakanyane 491468 06.05.2025 | Train |
| 10012 | R | The values of the HVAC sensor grades are the same | | OK | | Paseka Ditlhakanyane 491468 06.05.2025 | Train |
| 10013 | I | M4 | | OK | | Paseka Ditlhakanyane 491468 06.05.2025 | Train |
| 10014 | R | ALL LV3 connectors are connected and tightly secured with screws | | OK | | Paseka Ditlhakanyane 491468 06.05.2025 | Train |
| 10015 | R | ALL LV6 connectors are connected and tightly secured with screws | | OK | | Paseka Ditlhakanyane 491468 06.05.2025 | Train |
| 10016 | R | ALL HVAC Cubicle connectors are connected and tightly secured with screws | | OK | | Paseka Ditlhakanyane 491468 | Train |

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| 10017 | R | ALL underframe connectors are connected and tightly secured with screws | | OK | | Paseka Ditlhakanyane 491468 06.05.2025 | Train |
| 10018 | R | ALL inter-car connectors are connected and tightly secured with screws | | OK | | Paseka Ditlhakanyane 491468 06.05.2025 | 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 | | Paseka Ditlhakanyane 491468 06.05.2025 | Train |
| 10020 | R | The values of the HVAC sensor grades are the same | | OK | | Paseka Ditlhakanyane 491468 06.05.2025 | Train |
| 10021 | I | M1 | | OK | | Paseka Ditlhakanyane 491468 06.05.2025 | Train |
| 10022 | R | ALL LV3 connectors are connected and tightly secured with screws | | OK | | Paseka Ditlhakanyane 491468 06.05.2025 | Train |
| 10023 | R | ALL LV6 connectors are connected and tightly secured with screws | | OK | | Paseka Ditlhakanyane 491468 06.05.2025 | Train |
| 10024 | R | ALL HVAC Cubicle connectors are connected and tightly secured with screws | | OK | | Paseka Ditlhakanyane 491468 06.05.2025 | Train |
| 10025 | R | ALL underframe connectors are connected and tightly secured with screws | | OK | | Paseka Ditlhakanyane 491468 06.05.2025 | Train |
| 10026 | R | ALL inter-car connectors are connected and tightly secured with screws | | OK | | Paseka Ditlhakanyane 491468 06.05.2025 | 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 | | Paseka Ditlhakanyane 491468 06.05.2025 | Train |
| 10028 | R | The values of the HVAC sensor grades are the same | | OK | | Paseka Ditlhakanyane 491468 06.05.2025 | Train |
| 10029 | I | M2 | | OK | | Paseka Ditlhakanyane 491468 06.05.2025 | Train |
| 10030 | R | ALL LV3 connectors are connected and tightly secured with screws | | OK | | Paseka Ditlhakanyane 491468 06.05.2025 | Train |
| 10031 | R | ALL LV4 connectors are connected and tightly secured with screws | | OK | | Paseka Ditlhakanyane 491468 06.05.2025 | Train |
| 10032 | R | ALL HVAC Cubicle connectors are connected and tightly secured with screws | | OK | | Paseka Ditlhakanyane 491468 06.05.2025 | Train |
| 10033 | R | ALL underframe connectors are connected and tightly secured with screws | | OK | | Paseka Ditlhakanyane 491468 06.05.2025 | Train |
| 10034 | R | ALL inter-car connectors are connected and tightly secured with screws | | OK | | Paseka Ditlhakanyane 491468 | Train |

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| 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 | | Paseka Ditlhakanyane 491468 06.05.2025 | Train |
| 10036 | R | The values of the HVAC sensor grades are the same | | OK | | Paseka Ditlhakanyane 491468 06.05.2025 | Train |
| 10037 | I | M3 | | OK | | Paseka Ditlhakanyane 491468 06.05.2025 | Train |
| 10038 | R | ALL LV3 connectors are connected and tightly secured with screws | | OK | | Paseka Ditlhakanyane 491468 06.05.2025 | Train |
| 10039 | R | ALL LV6 connectors are connected and tightly secured with screws | | OK | | Paseka Ditlhakanyane 491468 06.05.2025 | Train |
| 10040 | R | ALL HVAC Cubicle connectors are connected and tightly secured with screws | | OK | | Paseka Ditlhakanyane 491468 06.05.2025 | Train |
| 10041 | R | ALL underframe connectors are connected and tightly secured with screws | | OK | | Paseka Ditlhakanyane 491468 06.05.2025 | Train |
| 10042 | R | ALL inter-car connectors are connected and tightly secured with screws | | OK | | Paseka Ditlhakanyane 491468 06.05.2025 | 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 | | Paseka Ditlhakanyane 491468 06.05.2025 | Train |
| 10044 | R | The values of the HVAC sensor grades are the same | | OK | | Paseka Ditlhakanyane 491468 06.05.2025 | Train |
| 10045 | I | TC2 | | OK | | Paseka Ditlhakanyane 491468 06.05.2025 | Train |
| 10046 | R | ALL LV1.2 connectors are connected and tightly secured with screws | | OK | | Paseka Ditlhakanyane 491468 06.05.2025 | Train |
| 10047 | R | ALL LV2.2 connectors are connected and tightly secured with screws | | OK | | Paseka Ditlhakanyane 491468 06.05.2025 | Train |
| 10048 | R | ALL LV7 connectors are connected and tightly secured with screws | | OK | | Paseka Ditlhakanyane 491468 06.05.2025 | Train |
| 10049 | R | ALL HVAC Cubicle connectors are connected and tightly secured with screws | | OK | | Paseka Ditlhakanyane 491468 06.05.2025 | Train |
| 10050 | R | ALL underframe connectors are connected and tightly secured with screws | | OK | | Nokuzola Mdluli 491469 12.05.2025 | Train |
| 10051 | R | ALL inter-car connectors are connected and tightly secured with screws | | OK | | Paseka Ditlhakanyane 491468 06.05.2025 | Train |
| 10052 | A | Take note of the sensor grades captured on HVAC web portal for TC2 and compare | | OK | | Paseka Ditlhakanyane 491468 | Train |

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| | | them with the ones on the HVAC name plate (ceiling) of TC2 | | | | 06.05.2025 | |
| 10053 | R | The values of the HVAC sensor grades are the same | | OK | | Paseka Ditlhakanyane 491468 06.05.2025 | Train |
| 10054 | I | Brake Test | | OK | | Paseka Ditlhakanyane 491468 06.05.2025 | Train |
| 10055 | A | Prepare the train in high voltage with active cab on TC1 | | OK | | Paseka Ditlhakanyane 491468 06.05.2025 | Train |
| 10056 | A | On the DDU test screen, run the BRAKE TEST by following the instructions on the screen | | OK | | Paseka Ditlhakanyane 491468 06.05.2025 | Train |
| 10057 | R | After the BRAKE TEST is complete, all cars have passed | | OK | | Paseka Ditlhakanyane 491468 06.05.2025 | Train |
| 10058 | A | Shut down the train by putting the battery contactor 18S1 in OFF position | | OK | | Paseka Ditlhakanyane 491468 06.05.2025 | Train |
| 10059 | I | Reduced Power Test | | OK | | Paseka Ditlhakanyane 491468 06.05.2025 | Train |
| 10060 | A | Prepare the train in high voltage with active cab on TC1 | | OK | | Paseka Ditlhakanyane 491468 06.05.2025 | Train |
| 10061 | A | Set the Driving Mode Switch (30S1) to "DEPOT" position. | | OK | | Paseka Ditlhakanyane 491468 06.05.2025 | 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 | | Paseka Ditlhakanyane 491468 06.05.2025 | Train |
| 10063 | A | Select a running direction (Forward or Reverse). | | OK | | Paseka Ditlhakanyane 491468 06.05.2025 | Train |
| 10064 | I | REMEMBER TO PRESS THE DEAD MAN BUTTON OCCASIONALLY | | OK | | Paseka Ditlhakanyane 491468 06.05.2025 | Train |
| 10065 | R | Check that all the conditions on the screen are satisfied (green box to the right of each condition) | | OK | | Paseka Ditlhakanyane 491468 06.05.2025 | Train |
| 10066 | A | Select RPT for M4 car | | OK | | Paseka Ditlhakanyane 491468 06.05.2025 | Train |
| 10067 | R | RPT for M4 test successful | | OK | | Paseka Ditlhakanyane 491468 06.05.2025 | Train |
| 10068 | A | Close the HSCB | | OK | | Paseka Ditlhakanyane 491468 06.05.2025 | Train |
| 10069 | A | Select RPT for M1car | | OK | | Paseka Ditlhakanyane 491468 06.05.2025 | Train |
| 10070 | R | RPT for M1 test successful | | OK | | Paseka Ditlhakanyane 491468 | Train |

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| 10071 | A | Close the HSCB | OK | | | Paseka Ditlhakanyane 491468 06.05.2025 | Train |
| 10072 | A | Select RPT for M2 car | OK | | | Paseka Ditlhakanyane 491468 06.05.2025 | Train |
| 10073 | R | RPT for M2 test successful | OK | | | Paseka Ditlhakanyane 491468 06.05.2025 | Train |
| 10074 | A | Close the HSCB | OK | | | Paseka Ditlhakanyane 491468 06.05.2025 | Train |
| 10075 | A | Select RPT for M3 car | OK | | | Paseka Ditlhakanyane 491468 06.05.2025 | Train |
| 10076 | R | RPT for M3 test successful | OK | | | Paseka Ditlhakanyane 491468 06.05.2025 | Train |
| 10077 | A | Close the HSCB | OK | | | Paseka Ditlhakanyane 491468 06.05.2025 | Train |
| 10078 | I | Traction Test | OK | | | Paseka Ditlhakanyane 491468 06.05.2025 | Train |
| 10079 | A | WARNING: Do not perform TRACTION TEST when the Reduced Power Test has failed. | OK | | | Paseka Ditlhakanyane 491468 06.05.2025 | Train |
| 10080 | A | Prepare the train in high voltage with active cab on TC1 | OK | | | Paseka Ditlhakanyane 491468 06.05.2025 | 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 | | | Paseka Ditlhakanyane 491468 06.05.2025 | Train |
| 10082 | R | After the Traction Test is complete, there are no traction faults logged on the DDU Event screen | OK | | | Paseka Ditlhakanyane 491468 06.05.2025 | Train |
| 10083 | I | Load requirements | OK | | | Paseka Ditlhakanyane 491468 06.05.2025 | Train |
| 10084 | R | Read Undefined Variable [TT] SBK_M1CarWeight | OK | 35084.18 | | Nokuzola Mdluli 491469 12.05.2025 | Train |
| 10085 | R | Read Undefined Variable [TT] SBK_M2CarWeight | OK | 38201.23 | | Nokuzola Mdluli 491469 12.05.2025 | Train |
| 10086 | R | Read Undefined Variable [TT] SBK_M3CarWeight | OK | 36701.4 | | Nokuzola Mdluli 491469 12.05.2025 | Train |
| 10087 | R | Read Undefined Variable [TT] SBK_M4CarWeight | OK | 36307.33 | | Nokuzola Mdluli 491469 12.05.2025 | Train |
| 10088 | R | Read Undefined Variable [TT] SBK_Tc1CarWeight | OK | 33909.14 | | Nokuzola Mdluli 491469 12.05.2025 | Train |

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|-------|---|--|--|----|-----------|---|-------|
| 10089 | R | Read Undefined Variable [TT] SBK_Tc2CarWeight | | OK | 32716 | Nokuzola Mdluli 491469 12.05.2025 | Train |
| 10090 | A | Calculate the sum of all cars | | OK | | Nokuzola Mdluli 491469 12.05.2025 | Train |
| 10091 | R | The sum of the weight for all carsResult Max : x <= 223740 (kg) | | OK | 212919.28 | Nokuzola Mdluli 491469 12.05.2025 | Train |
| 10092 | I | End of Test | | OK | | Nokuzola Mdluli 491469 12.05.2025 | Train |



| | | |
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| Serial Tests Report TS280 – TFS RTR Train Functional Static Test Report | Document Reference GIB0000008079 Version: A0 | Emission date 16/05/2025 |
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Serial Tests Report
TS280 – TFS
RTR Train Functional Static Test Report

Document Reference
GIB0000008079
Version: A0

Emission date
16/05/2025

Section 30 – Report summaries

30.1 Results status

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

| | | | |
|------------------|---|--|--|
| PACIS | X | | |
| Dynamic Pre-Test | X | | |

30.2 Tools used

| Function | Tool name | Tool number | Next Calibration date |
|----------|------------------------|----------------------|-----------------------|
| 019_AIR | Manometer | Manometer | 8/30/2025 |
| 025_NET | Cable Analyser DSX5000 | Fluke machine_Gibela | 12/31/2025 |
| 040_SBK | Manometer | Manometer | 8/30/2025 |
| 040_SUP | Manometer | Manometer | 8/30/2025 |
| 044_UBK | Manometer | Manometer | 8/30/2025 |
| 045_PBK | Manometer | Manometer | 8/30/2025 |
| 050_DOR | Pressure Meter | Pressure Meter 1 | 7/31/2025 |
| 072_SGL | Manometer | Manometer | 8/30/2025 |

| Vehicle | Equipment | Expected version | Version loaded |
|-----------------------------|-----------|------------------|----------------|
| 104771000-104771636-280-262 | | | |