

| PROJECT | CUSTOMER | VEHICLE |
|-----------------|----------|----------------|
| Xtrapolis-PRASA | PRASA | 325 – M2 – VPT |

RTR Vehicle Pre-Testing TS325 M2 Report
 GIB0000009222



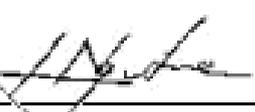
| | CREATED | VERIFIED | APPROVED | DISTRIBUTION |
|------------------|-----------------------|-----------------|-----------------|---|
| Name | Tshegofatso SETSHOGWE | Lindani NGUBANE | Kgomotso NKOANA | Confidentiality Category <i>Restricted</i> <i>Project</i> <i>Normal</i> <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> |
| Date | 25/02/2026 | 25/02/2026 | 25/02/2026 | Control Category <i>Controlled</i> <i>Not Controlled</i> <input checked="" type="checkbox"/> <input type="checkbox"/> |
| Signature | | | | Language EN |

This report has been automatically generated from TES version 1

Table of modifications

| Rev | Date | Modifications Content | Writer |
|-----|------------|-----------------------|-----------------------|
| A0 | 25/02/2026 | Creation | Tshegofatso SETSHOGWE |

Internal validations

| | Name | Function | Date | Signature |
|-----------------|-----------------------|---------------------|------------|---|
| Creator | Tshegofatso SETSHOGWE | EPU Manager | 25/02/2026 | X  Tshegofatso SETSHOGWE EPU Manager |
| Verifier | Lindani NGUBANE | Serial Test Manager | 25/02/2026 | X  Lindani NGUBANE Serial Test Manager |
| Approver | Kgomotso NKOANA | Test Expert | 25/02/2026 | X  Kgomotso NKOANA Test Expert |

Execution Plan

| | |
|-------------------|------------|
| Start Date | 15/02/2026 |
| End Date | 15/02/2026 |

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Section 1 – Purpose / Objectives

1. Protective Bonding

The objective of this procedure is to verify the return path of the current to the ground.

2. Reflectometry

The objective of this procedure is to verify the integrity of the ethernet cables.

3. Config

The objective of this procedure is to set up car ID for specific systems such as fire and to verify wiring to the speed sensors and OTDR.

4. Traction motors

The objective of this procedure is to verify the wiring configuration of the motors. This is to ensure that all the motors are wired the same and shall rotate in the same direction in operation



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Section 2 – Protective Bonding and Return Current

2.1 Instructions list

2.1.1 Protective Bonding and Return Current

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

| N° | Type | Instruction | File | Result status | Result value | Operator | Vehicle |
|-------|------|---|---|---------------|--------------|--------------------------------------|---------|
| 10001 | I | Return Circuit: Car Body to Ground | | OK | | Carol Gumede 425280 15.02.2026 | M2 |
| 10002 | I | The purpose of this test is to confirm that the car body of each car in the train is connected to ground via the earthing brush which will ensure that current from the overhead wire is returned to the substation without damage to equipment or risk of electric shock | | OK | | Carol Gumede 425280 15.02.2026 | M2 |
| 10003 | A | Use the Tool List to record the serial number of the Ohmmeter that will be used in this test | | OK | | Carol Gumede 425280 15.02.2026 | M2 |
| 10004 | A | Ensure that the current setpoint is 50A and voltage <50V (applicable for all impedance measurement) on the ohmmeter device to be used for the test. | | OK | | Carol Gumede 425280 15.02.2026 | M2 |
| 10005 | I | For all impedance measurements of the car body to ground the positive terminal shall be connected to the car body and the negative terminal to the rail | | OK | | Carol Gumede 425280 15.02.2026 | M2 |
| 10006 | I | For all other impedance measurements, the positive terminal shall be connected to the tested subject and the negative terminal to the car body shell | | OK | | Carol Gumede 425280 15.02.2026 | M2 |
| 10007 | A | Visually identify and inspect that the earthing cables of the 1st and 2nd axle of the 1st and 2nd Bogie Frame are properly connected to the axle brushes |  | OK | | Carol Gumede 425280 15.02.2026 | M2 |
| 10008 | A | Disconnect from the axle box the earthing cable of the 1st and 2nd axle of the 1st and 2nd Bogie Frame of the M2 car | | OK | | Carol Gumede 425280 15.02.2026 | M2 |
| 10009 | R | All the earthing cables of the M2 car are disconnected. | | OK | | Carol Gumede 425280 15.02.2026 | M2 |
| 10010 | A | Connect the earthing cable of the 1st axle in the 1st Bogie Frame | | OK | | Carol Gumede 425280 15.02.2026 | M2 |
| 10011 | R | Only the earthing cable of the 1st axle of the 1st Bogie Frame is connected | | OK | | Carol Gumede 425280 15.02.2026 | M2 |
| 10012 | A | Using an ohmmeter measure the impedance between the car body to rail | | OK | | Carol Gumede 425280 15.02.2026 | M2 |
| 10013 | R | ImpedanceResult Max : $x \leq 0.05$ (Ohms) | | OK | 0.00112 | Carol Gumede 425280 15.02.2026 | M2 |

| | | | | | | | |
|-------|---|---|--|----|---------|--------------------------------------|----|
| 10014 | A | Disconnect the earthing cable of the 1st axle of the 1st bogie frame | | OK | | Carol Gumede 425280 15.02.2026 | M2 |
| 10015 | R | Earthing cable disconnected | | OK | | Carol Gumede 425280 15.02.2026 | M2 |
| 10016 | A | Connect the earthing cable of the 2nd axle in the 1st Bogie Frame | | OK | | Carol Gumede 425280 15.02.2026 | M2 |
| 10017 | R | Only the earthing cable of the 2nd axle of the 1st Bogie Frame is connected | | OK | | Carol Gumede 425280 15.02.2026 | M2 |
| 10018 | A | Using an ohmmeter measure the impedance between the car body to rail | | OK | | Carol Gumede 425280 15.02.2026 | M2 |
| 10019 | R | ImpedanceResult Max : $x \leq 0.05$ (Ohms) | | OK | 0.0198 | Carol Gumede 425280 15.02.2026 | M2 |
| 10020 | R | Earthing cable disconnected | | OK | | Carol Gumede 425280 15.02.2026 | M2 |
| 10021 | A | Disconnect the earthing cable of the 2nd axle of the 1st bogie frame | | OK | | Carol Gumede 425280 15.02.2026 | M2 |
| 10022 | I | Earthing of Equipment on the Underframe | | OK | | Carol Gumede 425280 15.02.2026 | M2 |
| 10023 | A | Connect the earthing cable of the 1st axle in the 2nd Bogie Frame | | OK | | Carol Gumede 425280 15.02.2026 | M2 |
| 10024 | R | Only the earthing cable of the 1st axle of the 2nd Bogie Frame is connected | | OK | | Carol Gumede 425280 15.02.2026 | M2 |
| 10025 | A | Using an ohmmeter measure the impedance between the car body to rail | | OK | | Carol Gumede 425280 15.02.2026 | M2 |
| 10026 | R | ImpedanceResult Max : $x \leq 0.05$ (Ohms) | | OK | 0.00118 | Carol Gumede 425280 15.02.2026 | M2 |
| 10027 | A | Disconnect the earthing cable of the 1st axle of the 2nd bogie frame | | OK | | Carol Gumede 425280 15.02.2026 | M2 |
| 10028 | R | Earthing cable disconnected | | OK | | Carol Gumede 425280 15.02.2026 | M2 |
| 10029 | A | Connect the earthing cable of the 2nd axle in the 2nd Bogie Frame | | OK | | Carol Gumede 425280 15.02.2026 | M2 |
| 10030 | R | Only the earthing cable of the 1st axle of the 2nd Bogie Frame is connected | | OK | | Carol Gumede 425280 15.02.2026 | M2 |
| 10031 | A | Using an ohmmeter measure the impedance between the car body to rail | | OK | | Carol Gumede 425280 15.02.2026 | M2 |

| | | | | | | | |
|-------|---|--|--|----|--------|--------------------------------------|----|
| 10032 | R | ImpedanceResult Max : x <= 0.05 (Ohms) | | OK | 0 | Carol Gumede 425280 15.02.2026 | M2 |
| 10033 | A | Reconnect all earthing cables of the 1st and 2nd axle of the 1st and 2nd Bogie Frame | | OK | | Carol Gumede 425280 15.02.2026 | M2 |
| 10034 | R | All earthing cables connected on the 1st and 2nd Bogie Frame | | OK | | Carol Gumede 425280 15.02.2026 | M2 |
| 10035 | A | Visually inspect that the earthing cable connecting the Traction Inverter Case to M2 car body is properly connected and related bolts are correctly torqued. | | OK | | Carol Gumede 425280 15.02.2026 | M2 |
| 10036 | R | Traction Inverter Case visually grounded and torque is correctly marked | | OK | | Carol Gumede 425280 15.02.2026 | M2 |
| 10037 | A | Using an ohmmeter measure the impedance between the Traction Inverter Case and the car body | | OK | | Carol Gumede 425280 15.02.2026 | M2 |
| 10038 | R | ImpedanceResult Max : x <= 0.05 (Ohms) | | OK | 0.0081 | Carol Gumede 425280 15.02.2026 | M2 |
| 10039 | A | Visually inspect that the earthing cable connecting the Line Inductor Case to M4 car body is properly connected and related bolts are correctly torqued. | | OK | | Carol Gumede 425280 15.02.2026 | M2 |
| 10040 | R | Line Inductor Case visually grounded and torque is correctly marked | | OK | | Carol Gumede 425280 15.02.2026 | M2 |
| 10041 | A | Using an ohmmeter measure the impedance between the Line Inductor Case and the car body | | OK | | Carol Gumede 425280 15.02.2026 | M2 |
| 10042 | R | ImpedanceResult Max : x <= 0.05 (Ohms) | | OK | 0 | Carol Gumede 425280 15.02.2026 | M2 |
| 10043 | A | Visually inspect that the earthing cable connecting the Traction Motors of the 1st and 2nd axle of the 1st Bogie Frame to the car body is properly connected and related bolts are correctly torqued | | OK | | Carol Gumede 425280 15.02.2026 | M2 |
| 10044 | R | Traction Motors visually grounded and torque is correctly marked | | OK | | Carol Gumede 425280 15.02.2026 | M2 |
| 10045 | A | Using an ohmmeter measure the impedance between the Traction Motors of the 1st and 2nd axle of the 1st Bogie Frame and the car body | | OK | | Carol Gumede 425280 15.02.2026 | M2 |
| 10046 | R | ImpedanceResult Max : x <= 0.05 (Ohms) | | OK | 0 | Carol Gumede 425280 15.02.2026 | M2 |
| 10047 | A | Visually inspect that the earthing cable connecting the Traction Motors of the 1st and 2nd axle of the 2nd Bogie Frame to the car body is properly connected and related bolts are correctly torqued | | OK | | Carol Gumede 425280 15.02.2026 | M2 |

| | | | | | | | |
|-------|---|--|--|----|-------|--------------------------------------|----|
| 10048 | R | Traction Motors visually grounded and torque is correctly marked | | OK | | Carol Gumedé 425280 15.02.2026 | M2 |
| 10049 | A | Using an ohmmeter measure the impedance between the Traction Motors of the 1st and 2nd axle of the 2nd Bogie Frame and the car body | | OK | | Carol Gumedé 425280 15.02.2026 | M2 |
| 10050 | R | ImpedanceResult Max : $x \leq 0.05$ (Ohms) | | OK | 0.011 | Carol Gumedé 425280 15.02.2026 | M2 |
| 10051 | I | Earthing of Equipment on the Roof | | OK | | Carol Gumedé 425280 15.02.2026 | M2 |
| 10052 | A | Visually inspect that the earthing cable connecting the 1st Braking Resistor Box to M2 car body is properly connected and related bolts are correctly torqued. | | OK | | Carol Gumedé 425280 15.02.2026 | M2 |
| 10053 | R | 1st Braking Resistor Box visually grounded and torque is correctly marked | | OK | | Carol Gumedé 425280 15.02.2026 | M2 |
| 10054 | A | Using an ohmmeter measure the impedance between the 1st Braking Resistor Box and the car body | | OK | | Carol Gumedé 425280 15.02.2026 | M2 |
| 10055 | R | ImpedanceResult Max : $x \leq 0.05$ (Ohms) | | OK | 0.02 | Carol Gumedé 425280 15.02.2026 | M2 |
| 10056 | A | Visually inspect that the earthing cable connecting the Saloon HVAC to M2 car body is properly connected and related bolts are correctly torqued. | | OK | | Carol Gumedé 425280 15.02.2026 | M2 |
| 10057 | R | Saloon HVAC visually grounded and torque is correctly marked | | OK | | Carol Gumedé 425280 15.02.2026 | M2 |
| 10058 | A | Using an ohmmeter measure the impedance between the Saloon HVAC and the car body | | OK | | Carol Gumedé 425280 15.02.2026 | M2 |
| 10059 | R | ImpedanceResult Max : $x \leq 0.05$ (Ohms) | | OK | 0 | Carol Gumedé 425280 15.02.2026 | M2 |
| 10060 | A | Visually inspect that the earthing cable connecting the 2nd Braking Resistor Box to M2 car body is properly connected and related bolts are correctly torqued. | | OK | | Carol Gumedé 425280 15.02.2026 | M2 |
| 10061 | R | 2nd Braking Resistor Box visually grounded and torque is correctly marked | | OK | | Carol Gumedé 425280 15.02.2026 | M2 |
| 10062 | A | Using an ohmmeter measure the impedance between the 2nd Braking Resistor Box and the car body | | OK | | Carol Gumedé 425280 15.02.2026 | M2 |
| 10063 | R | ImpedanceResult Max : $x \leq 0.05$ (Ohms) | | OK | 0 | Carol Gumedé 425280 15.02.2026 | M2 |



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Section 3 – Reflectometry

3.1 Instructions list

3.1.1 Network Cabling Integrity

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

| N° | Type | Instruction | File | Result status | Result value | Operator | Vehicle |
|-------|------|---|---|---------------|--------------|---|---------|
| 10001 | I | Network Cabling Integrity Test | | OK | | Carol Gumede 425280 15.02.2026 | M2 |
| 10002 | I | It is necessary to check the network cables to ensure that they have been installed correctly to improve the overall operation of the system. | | OK | | Carol Gumede 425280 15.02.2026 | M2 |
| 10003 | I | The Cable Analyzer Module DSX-5000 will be used to validate cabling | | OK | | Carol Gumede 425280 15.02.2026 | M2 |
| 10004 | I | Register as a new Operator on the DSX-5000. Check on the manual below on how to register as a new Operator [9-36-52-308048_DSX 5000 User Manual.pdf] |  | OK | | Carol Gumede 425280 15.02.2026 | M2 |
| 10005 | I | When saving the tests results for each line, it should be named by its trainset number (X) and the test code (Indicated in the test step). i.e. TS021_M2_P01 for PACIS and TS021_M2_T01 for TCMS. | | OK | | Carol Gumede 425280 15.02.2026 | M2 |
| 10006 | I | TCMS cabling | | OK | | Carol Gumede 425280 15.02.2026 | M2 |
| 10007 | A | From: [25A10 SWITCH ETHERNET (CRS1) (Local: +LV3; Connector: 25XP10_X4)] to: [25A11 SWITCH ETHERNET (CRS2) (Local: +LV3; Connector: 25XP11_X3)] NOTE: Cable is crossed TSX_M2_T01 | | OK | | Mpumelelo Sithole 529980 21.02.2026 | M2 |
| 10008 | A | From: [25A10 SWITCH ETHERNET (CRS1) (Local: +LV3; Connector: 25XP10_X3)] to: [Local: END1 , Connector 90XR21.All] NOTE: Cable is crossed TSX_M2_T02 | | OK | | Carol Gumede 425280 15.02.2026 | M2 |
| 10009 | A | From: [25A14 TBR-M2 (Local: +LV3; Connector: 25XP14_ETH0)] to: [(Local: +END1; Connector: 90XR21.A)] NOTE: Cable is crossed TSX_M2_T03 | | OK | | Carol Gumede 425280 15.02.2026 | M2 |
| 10010 | A | From: [25A14 TBR-M2 (Local: +LV3; Connector: 25XP14_ETH1)] to: [(Local: +END2; Connector: 90XR31.A)] NOTE: Cable is crossed TSX_M2_T04 | | OK | | Carol Gumede 425280 15.02.2026 | M2 |

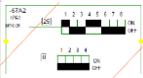
| | | | | | | |
|-------|---|---|----|--|---|----|
| 10011 | A | From: [25A11 Ethernet Switch (Local: +LV3; Connector: 25XP11_X4)] to: [(Local: +END2; Connector: 90XR31.All)] NOTE: Cable is straight TSX_M2_T05 | OK | | Carol Gumedé 425280 15.02.2026 | M2 |
| 10012 | A | From: [(Local: +END2; Connector: 90XR32.All)] to: [(Local: +END1; Connector: 90XR22.All)] NOTE: Cable is straight TSX_M2_T06 | OK | | Carol Gumedé 425280 15.02.2026 | M2 |
| 10013 | A | From: [(Local: +END2; Connector: 90XR32.All)] to: [(Local: +END1; Connector: 90XR22.All)] NOTE: Cable is straight TSX_M2_T07 | OK | | Carol Gumedé 425280 15.02.2026 | M2 |
| 10014 | I | Pacis cabling | OK | | Carol Gumedé 425280 15.02.2026 | M2 |
| 10015 | A | From: [(Local: +END2; Connector: -90XR32.El)] to: [(Local: +END1; Connector: -90XR22.El)] NOTE: Cable is straight TSX_M2_P01 | OK | | Carol Gumedé 425280 15.02.2026 | M2 |
| 10016 | A | From: [54A10 SWITCH ETHERNET (CRS1) (Local: +LV6; Connector: 54XP10_X7)] to: [(Local: +END2; Connector: -90XR31.El)] NOTE: Cable is crossed TSX_M2_P02 | OK | | Carol Gumedé 425280 15.02.2026 | M2 |
| 10017 | A | From: [54A11 SWITCH ETHERNET (CRS2) (Local: +LV6; Connector: 54XP11_X8)] to: [(Local: +END1; Connector: -90XR21.El)] NOTE: Cable is straight TSX_M2_P03 | OK | | Carol Gumedé 425280 15.02.2026 | M2 |
| 10018 | A | From: [54A11 SWITCH ETHERNET (CRS2) (Local: +LV6; Connector: 54XP11_X7)] to: [54A10 SWITCH ETHERNET (CRS1) (Local: +LV6; Connector: 54XP10_X8)] NOTE: Cable is crossed TSX_M2_P04 | OK | | Carol Gumedé 425280 15.02.2026 | M2 |
| 10019 | A | All cables have been validated on M2 | OK | | Carol Gumedé 425280 15.02.2026 | M2 |
| 10020 | R | Download all the results from Fluke and save them on PC with folder name "M2_TSxx" | OK | | Mavis SETSHOGWE 404572 23.02.2026 | M2 |

Section 4 – Config

4.1 Instructions list

4.1.1 Vehicle Configuration

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

| N° | Type | Instruction | File | Result status | Result value | Operator | Vehicle |
|-------|------|---|---|---------------|--------------|--------------------------------------|---------|
| 10001 | I | Configuration Checks | | OK | | Carol Gumede 425280 15.02.2026 | M2 |
| 10002 | A | Check continuity on all pins of End 1 connector 90XP15 & 90XP14 to ground | | OK | | Carol Gumede 425280 15.02.2026 | M2 |
| 10003 | R | There is no continuity | | OK | | Carol Gumede 425280 15.02.2026 | M2 |
| 10004 | A | Check continuity on all pins of End 2 connector 90XP15 & 90XP14 to ground | | OK | | Carol Gumede 425280 15.02.2026 | M2 |
| 10005 | R | There is no continuity | | OK | | Carol Gumede 425280 15.02.2026 | M2 |
| 10006 | I | Smoke Detector Address Configuration | | OK | | Carol Gumede 425280 15.02.2026 | M2 |
| 10007 | A | Remove and configure the Smoke Detector 67A2 (+PA1) according to the figure below. |  | OK | | Carol Gumede 425280 15.02.2026 | M2 |
| 10008 | A | Reconnect Smoke Detector 67A2 | | OK | | Carol Gumede 425280 15.02.2026 | M2 |
| 10009 | A | Remove and configure the Smoke Detector 67A3 (+PA3) according to the figure below. |  | OK | | Carol Gumede 425280 15.02.2026 | M2 |
| 10010 | I | Line Heat Detection | | OK | | Carol Gumede 425280 15.02.2026 | M2 |
| 10011 | R | Measure the resistance between point 1 and point 4 of the connector 67XP3_11 Result Min/Max : 550<= x<= 700 () | | OK | 621.1 | Carol Gumede 425280 15.02.2026 | M2 |
| 10012 | A | Reconnect Smoke Detector 67A3 | | OK | | Carol Gumede 425280 15.02.2026 | M2 |

| | | | | | | | |
|-------|---|--|--|----|--|--------------------------------------|----|
| 10013 | I | OTDR LOOP | | OK | | Carol Gumedé 425280 15.02.2026 | M2 |
| 10014 | I | Check the continuity between the following points: | | OK | | Carol Gumedé 425280 15.02.2026 | M2 |
| 10015 | A | From: [+IV1 (local +END2 Connector 90XR33.B (pin 1))] to: [local +END1 Connector -90XR23.B (pin1)] | | OK | | Carol Gumedé 425280 15.02.2026 | M2 |
| 10016 | A | From: [-IV1 (local +END2 Connector 90XR33.B (pin 2))] to: [local +END1 Connector -90XR23.B (pin 2)] | | OK | | Carol Gumedé 425280 15.02.2026 | M2 |



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Section 5 – Traction Motors

5.1 Instructions list

5.1.1 Traction Motors

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

| N° | Type | Instruction | File | Result status | Result value | Operator | Vehicle |
|-------|------|---|---|---------------|--------------|--|---------|
| 10001 | I | Traction Motors (SPP = 11) | | OK | | Mbavhalelo Funyufunyu 484649 15.02.2026 | M2 |
| 10002 | I | Ensure all the CONNECTORS are fully ASSEMBLED before running a continuity test. | | OK | | Mbavhalelo Funyufunyu 484649 15.02.2026 | M2 |
| 10003 | I | The following test is used to confirm the wiring of the traction motors. |  | OK | | Mbavhalelo Funyufunyu 484649 15.02.2026 | M2 |
| 10004 | I | SAFETY NOTICE: It is important to ensure that there is no 400Vac power supply on the vehicle. | | OK | | Mbavhalelo Funyufunyu 484649 15.02.2026 | M2 |
| 10005 | A | Switch OFF the 400Vac power supply at the source and disconnect the supply cables from the vehicle | | OK | | Mbavhalelo Funyufunyu 484649 15.02.2026 | M2 |
| 10006 | R | There is no 400Vac available on the vehicle | | OK | | Mbavhalelo Funyufunyu 484649 15.02.2026 | M2 |
| 10007 | I | Visual Inspection | | OK | | Mbavhalelo Funyufunyu 484649 15.02.2026 | M2 |
| 10008 | I | For motor 1 and motor 2 connect 11XR1 and 11XR2 and visually inspect that the following cables are connected. From - 11XR1 connector to -11M1 motor and - 11XR2 connector to -11M2 motor respectively. NOTE: the cable configuration should be straight, none should cross the other. | | OK | | Mbavhalelo Funyufunyu 484649 15.02.2026 | M2 |
| 10009 | I | Motor 2 | | OK | | Mbavhalelo Funyufunyu 484649 15.02.2026 | M2 |
| 10010 | R | [-11XR2 connector (local: UND - 11XP2_2.X1 pin 1)] connected to: [- 11XT2 motor terminals (U) -11M2]. | | OK | | Mbavhalelo Funyufunyu 484649 15.02.2026 | M2 |
| 10011 | R | [-11XR2 connector (local: UND - 11XP2_2.X2 pin 1)] connected to: [- 11XT2 motor terminals (V) -11M2]. | | OK | | Mbavhalelo Funyufunyu 484649 15.02.2026 | M2 |

| | | | | | | |
|-------|---|--|----|--|--|----|
| 10012 | R | [-11XR2 connector (local: UND - 11XP2_2.X3 pin 1)] connected to: [- 11XT2 motor terminals (W) -11M2]. | OK | | Mbavhalelo Funyufunyu 484649 15.02.2026 | M2 |
| 10013 | R | -11M2 Motor terminals PE connected to - 11GND2. | OK | | Mbavhalelo Funyufunyu 484649 15.02.2026 | M2 |
| 10014 | I | Motor 1 | OK | | Mbavhalelo Funyufunyu 484649 15.02.2026 | M2 |
| 10015 | R | [-11XR1 connector (local: UND - 11XP1_2.X1 pin 1)] connected to: [- 11XT1 motor terminals (U) -11M1]. | OK | | Mbavhalelo Funyufunyu 484649 15.02.2026 | M2 |
| 10016 | R | [-11XR1 connector (local: UND - 11XP1_2.X2 pin 1)] connected to: [- 11XT1 motor terminals (V) -11M1]. | OK | | Mbavhalelo Funyufunyu 484649 15.02.2026 | M2 |
| 10017 | R | [-11XR1 connector (local: UND - 11XP1_2.X3 pin 1)] connected to: [- 11XT1 motor terminals (W) -11M1]. | OK | | Mbavhalelo Funyufunyu 484649 15.02.2026 | M2 |
| 10018 | R | -11M1 Motor terminals PE connected to - 11GND1. | OK | | Mbavhalelo Funyufunyu 484649 15.02.2026 | M2 |
| 10019 | I | Visual Inspection | OK | | Mbavhalelo Funyufunyu 484649 15.02.2026 | M2 |
| 10020 | I | For motor 3 and motor 4 connect 11XR3 and 11XR4 and visually inspect that the following cables are connected. From - 11XR3 connector to -11M3 motor and - 11XR4 connector to -11M4 motor respectively. NOTE: the cable configuration should be straight, none should cross the other | OK | | Mbavhalelo Funyufunyu 484649 15.02.2026 | M2 |
| 10021 | I | Motor 3 | OK | | Mbavhalelo Funyufunyu 484649 15.02.2026 | M2 |
| 10022 | R | [-11XR3 connector (local: UND - 11XP3_2.X1 pin 1)] connected to: [- 11XT3 motor terminals (U) -11M3]. | OK | | Mbavhalelo Funyufunyu 484649 15.02.2026 | M2 |
| 10023 | R | [-11XR3 connector (local: UND - 11XP3_2.X2 pin 1)] connected to: [- 11XT3 motor terminals (V) -11M3]. | OK | | Mbavhalelo Funyufunyu 484649 15.02.2026 | M2 |
| 10024 | R | [-11XR3 connector (local: UND - 11XP3_2.X3 pin 1)] connected to: [- 11XT3 motor terminals (W) -11M3]. | OK | | Mbavhalelo Funyufunyu 484649 15.02.2026 | M2 |

| | | | | | | | |
|-------|---|--|--|----|--|--|----|
| 10025 | R | -11M3 Motor terminals PE connected to -11GND3 | | OK | | Mbavhalelo Funyufunyu 484649 15.02.2026 | M2 |
| 10026 | I | Motor 4 | | OK | | Mbavhalelo Funyufunyu 484649 15.02.2026 | M2 |
| 10027 | R | [-11XR4 connector (local: UND - 11XP4_2.X1 pin 1)] connected to: [-11XT4 motor terminals (U) -11M4]. | | OK | | Mbavhalelo Funyufunyu 484649 15.02.2026 | M2 |
| 10028 | R | [-11XR4 connector (local: UND - 11XP4_2.X2 pin 1)] connected to: [-11XT4 motor terminals (V) -11M4]. | | OK | | Mbavhalelo Funyufunyu 484649 15.02.2026 | M2 |
| 10029 | R | [-11XR4 connector (local: UND - 11XP4_2.X3 pin 1)] connected to: [-11XT4 motor terminals (W) -11M4]. | | OK | | Mbavhalelo Funyufunyu 484649 15.02.2026 | M2 |
| 10030 | R | -11M4 Motor terminals PE connected to -11GND4. | | OK | | Mbavhalelo Funyufunyu 484649 15.02.2026 | M2 |



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Section 6 – Report summaries

6.1 Results status

| Test Instruction Sheet | Compliant | Incomplete | Non-compliant |
|---------------------------------------|-----------|------------|---------------|
| Protective Bonding and Return Current | X | | |
| Reflectometry | X | | |
| Config | X | | |
| Traction Motors | X | | |

6.2 Tools used

| Function | Tool name | Tool number | Next Calibration date |
|----------|------------------------|----------------------------|-----------------------|
| 012_PB | Megger | Megger 2 | 12/11/2026 |
| 025_NET | Cable Analyser DSX5000 | Cable analyser DSX5000 - 1 | 12/11/2026 |
| CONFIG | Multimeter | Multimeter 5 | 12/11/2026 |