PROJECT	CUSTOMER	VEHICLE
X'trapolis-PRASA	**PRASA**	**314 – TC1 – VPT**

RTR Vehicle Pre-Testing TS314 TC1 Report

GIB0000008929

	CREATED	VERIFIED	APPROVED	DISTRIBUTION
Name	Nhlakanipho MASONDO	Lindani NGUBANE	Kgomotso NKOANA	Confidentiality Category *Restricted* ☐ *Project* ☐ *Normal* ☑
Date	03/12/2025	03/12/2025	03/12/2025	Control Category *Controlled* ☑ *Not Controlled* ☐
Signature				Language **EN**

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Table of modifications

Rev	Date	Modifications Content	Writer
A0	03/12/2025	Creation	Nhlakanipho MASONDO

Internal validations

	Name	Function	Date	Signature
Creator	Nhlakanipho MASONDO	EPU Manager	03/12/2025	X Nhlakanipho MASONDO EPU Manager
Verifier	Lindani NGUBANE	Serial Test Manager	03/12/2025	X Lindani NGUBANE Serial Test Manager
Approver	Kgomotso NKOANA	Test Expert	03/12/2025	X Kgomotso NKOANA Test Expert

Execution Plan

Start Date	22/11/2025
End Date	22/11/2025

Contents

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

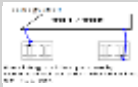
The objective of this procedure is to set up car ID for specific systems such as fire and to verify wiring to the speed sensors and OTDR.

Section 2 – Protective Bonding

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		Dilikani Ngubane 526515 22.11.2025	TC1
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		Dilikani Ngubane 526515 22.11.2025	TC1
10003	A	The Ohmmeter shall be off		OK		Dilikani Ngubane 526515 22.11.2025	TC1
10004	A	Use the Tool List to record the serial number of the Ohmmeter that will be used for this test		OK		Dilikani Ngubane 526515 22.11.2025	TC1
10005	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		Dilikani Ngubane 526515 22.11.2025	TC1
10006	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		Dilikani Ngubane 526515 22.11.2025	TC1
10007	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		Dilikani Ngubane 526515 22.11.2025	TC1
10008	A	Visually identify and inspect that the earthing cables of the 1st axle of 1st bogie frame and the 2nd axle of 2nd bogie frame are properly connected to the axle brushes.		OK		Dilikani Ngubane 526515 22.11.2025	TC1
10009	A	Disconnect from the axle box the earthing cable of the 2nd axle of 2nd bogie frame		OK		Dilikani Ngubane 526515 22.11.2025	TC1
10010	R	Only the earthing cable of the 1st axle of the 1st bogie frame is connected		OK		Dilikani Ngubane 526515 22.11.2025	TC1
10011	A	Measure the car body to ground impedance		OK		Dilikani Ngubane 526515 22.11.2025	TC1
10012	R	ImpedanceResult Max : x <= 0.05 (Ohm)		OK	0.000437	Dilikani Ngubane 526515 22.11.2025	TC1
10013	A	Disconnect the earthing cable of 1st axle of 1st bogie frame		OK		Dilikani Ngubane 526515 22.11.2025	TC1

10014	A	Connect the earthing cable of the 2nd axle of 2nd bogie frame		OK		Dilikani Ngubane 526515 22.11.2025	TC1
10015	R	Only the earthing cable of the 2nd axle of the 2nd bogie frame of TC1 car is connected		OK		Dilikani Ngubane 526515 22.11.2025	TC1
10016	A	Measure the car body to ground impedance		OK		Dilikani Ngubane 526515 22.11.2025	TC1
10017	R	ImpedanceResult Max : x <= 0.05 (Ohm)		OK	0.000398	Dilikani Ngubane 526515 22.11.2025	TC1
10018	A	Connect the earthing cable of the 1st axle of 1st bogie frame		OK		Dilikani Ngubane 526515 22.11.2025	TC1
10019	I	Earthing of Equipment on the Underframe		OK		Dilikani Ngubane 526515 22.11.2025	TC1
10020	A	Visually inspect that the earthing cable connecting the Auxiliary Converter Case to TC1 car body is properly connected and related bolts are correctly torqued		OK		Dilikani Ngubane 526515 22.11.2025	TC1
10021	R	Auxiliary Converter visually grounded and torque is correctly marked		OK		Dilikani Ngubane 526515 22.11.2025	TC1
10022	A	Measure the impedance between the Auxiliary Converter Case and the car body		OK		Dilikani Ngubane 526515 22.11.2025	TC1
10023	R	ImpedanceResult Max : x <= 0.05 (Ohm)		OK	0.000379	Dilikani Ngubane 526515 22.11.2025	TC1
10024	A	Visually inspect that the earthing cable connecting the Battery Box to the car body is properly connected and the related bolts are correctly torqued		OK		Dilikani Ngubane 526515 22.11.2025	TC1
10025	R	Battery Box visually grounded and torque is correctly marked		OK		Dilikani Ngubane 526515 22.11.2025	TC1
10026	A	Measure the impedance between the Battery Box Case and the car body		OK		Dilikani Ngubane 526515 22.11.2025	TC1
10027	R	ImpedanceResult Max : x <= 0.05 (Ohm)		OK	0.000421	Dilikani Ngubane 526515 22.11.2025	TC1
10028	A	Visually inspect that the earthing cable connecting the Eurobalise Antenna to the car body is properly connected and the related bolts are correctly torqued		OK		Dilikani Ngubane 526515 22.11.2025	TC1
10029	R	Eurobalise Antenna visually grounded and torque is correctly marked		OK		Dilikani Ngubane 526515 22.11.2025	TC1
10030	A	Measure the impedance between the Eurobalise Antenna and the car body		OK		Dilikani Ngubane 526515 22.11.2025	TC1
10031	R	ImpedanceResult Max : x <= 0.05 (Ohm)		OK	0.000243	Dilikani Ngubane 526515	TC1

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10032	A	Visually inspect that the earthing cable connecting the LVB/Brake Module to the car body is properly connected and the related bolts are correctly torqued		OK		Dilikani Ngubane 526515 22.11.2025	TC1
10033	R	LVB/Brake Module visually grounded and torque is correctly marked		OK		Dilikani Ngubane 526515 22.11.2025	TC1
10034	A	Measure the impedance between the LVB/Brake and the car body		OK		Dilikani Ngubane 526515 22.11.2025	TC1
10035	R	ImpedanceResult Max : x <= 0.05 (Ohm)		OK	0.000339	Dilikani Ngubane 526515 22.11.2025	TC1
10036	I	Earthing of Equipment on the Exterior		OK		Dilikani Ngubane 526515 22.11.2025	TC1
10037	I	Exterior Front		OK		Dilikani Ngubane 526515 22.11.2025	TC1
10038	A	Visually inspect that the earthing cable connecting the Front Coupler to the car body is properly connected and the related bolts are correctly torqued		OK		Dilikani Ngubane 526515 22.11.2025	TC1
10039	R	Front Coupler visually grounded and torque is correctly marked		OK		Dilikani Ngubane 526515 22.11.2025	TC1
10040	A	Measure the impedance between the Front Coupler and the car body		OK		Dilikani Ngubane 526515 22.11.2025	TC1
10041	R	ImpedanceResult Max : x <= 0.05 (Ohm)		OK	0.000315	Dilikani Ngubane 526515 22.11.2025	TC1
10042	I	Earthing of Equipment on the Roof		OK		Dilikani Ngubane 526515 22.11.2025	TC1
10043	A	Visually inspect that the earthing cable connecting the Saloon HVAC to the car body is properly connected and the related bolts are correctly torqued		OK		Dilikani Ngubane 526515 22.11.2025	TC1
10044	R	Saloon HVAC visually grounded and torque is correctly marked		OK		Dilikani Ngubane 526515 22.11.2025	TC1
10045	A	Measure the impedance between the Saloon HVAC and the car body		OK		Dilikani Ngubane 526515 22.11.2025	TC1
10046	R	ImpedanceResult Max : x <= 0.05 (Ohm)		OK	0.000321	Dilikani Ngubane 526515 22.11.2025	TC1
10047	A	Visually inspect that the earthing cable connecting the Cab HVAC to the car body is properly connected and the related bolts are correctly torqued		OK		Dilikani Ngubane 526515 22.11.2025	TC1

10048	R	Cab HVAC visually grounded and torque is correctly marked		OK		Dilikani Ngubane 526515 22.11.2025	TC1
10049	A	Measure the impedance between the Cab HVAC and the car body		OK		Dilikani Ngubane 526515 22.11.2025	TC1
10050	R	ImpedanceResult Max : x <= 0.05 (Ohm)		OK	0.000375	Dilikani Ngubane 526515 22.11.2025	TC1
10051	I	Earthing of interior equipment		OK		Dilikani Ngubane 526515 22.11.2025	TC1
10052	I	Cabin		OK		Dilikani Ngubane 526515 22.11.2025	TC1
10053	A	Visually inspect that the earthing cable connecting LV1 cubicle to the car body is properly connected and the related bolts are correctly torqued		OK		Dilikani Ngubane 526515 22.11.2025	TC1
10054	R	LV1 visually grounded and torque is correctly marked		OK		Dilikani Ngubane 526515 22.11.2025	TC1
10055	A	Measure the impedance between the LV1 cubicle and the car body		OK		Dilikani Ngubane 526515 22.11.2025	TC1
10056	R	ImpedanceResult Max : x <= 0.05 (Ohm)		OK	0.000275	Dilikani Ngubane 526515 22.11.2025	TC1
10057	A	Visually inspect that the earthing cable connecting LV2 cubicle to the car body is properly connected and the related bolts are correctly torqued		OK		Dilikani Ngubane 526515 22.11.2025	TC1
10058	R	LV2 visually grounded and torque is correctly marked		OK		Dilikani Ngubane 526515 22.11.2025	TC1
10059	A	Measure the impedance between the LV2 cubicle and the car body		OK		Dilikani Ngubane 526515 22.11.2025	TC1
10060	R	ImpedanceResult Max : x <= 0.05 (Ohm)		OK	0.000317	Dilikani Ngubane 526515 22.11.2025	TC1
10061	A	Visually inspect that the earthing cable connecting Under Desk Left cubicle to the car body is properly connected and the related bolts are correctly torqued		OK		Dilikani Ngubane 526515 22.11.2025	TC1
10062	R	Under Desk Left cabinet visually grounded and torque is correctly marked		OK		Dilikani Ngubane 526515 22.11.2025	TC1
10063	A	Measure the impedance between the Under Desk Left cabinet and the car body		OK		Dilikani Ngubane 526515 22.11.2025	TC1
10064	R	ImpedanceResult Max : x <= 0.05 (Ohm)		OK	0.000314	Dilikani Ngubane 526515 22.11.2025	TC1
10065	A	Visually inspect that the earthing cable connecting Under Desk Middle cabinet to		OK		Dilikani Ngubane 526515	TC1

		the car body is properly connected and the related bolts are correctly torqued				22.11.2025	
10066	R	Under Desk Middle cabinet visually grounded and torque is correctly marked		OK		Dilikani Ngubane 526515 22.11.2025	TC1
10067	A	Measure the impedance between the Under Desk Middle cabinet and the car body		OK		Dilikani Ngubane 526515 22.11.2025	TC1
10068	R	ImpedanceResult Max : x <= 0.05 (Ohm)		OK	0.000217	Dilikani Ngubane 526515 22.11.2025	TC1
10069	A	Measure the impedance between the Master Controller and the car body		OK		Dilikani Ngubane 526515 22.11.2025	TC1
10070	R	ImpedanceResult Max : x <= 0.05 (Ohm)		OK	0.000354	Dilikani Ngubane 526515 22.11.2025	TC1
10071	A	Measure the impedance between the Foot Heater and the car body		OK		Dilikani Ngubane 526515 22.11.2025	TC1
10072	R	ImpedanceResult Max : x <= 0.05 (Ohm)		OK	0.000328	Dilikani Ngubane 526515 22.11.2025	TC1
10073	I	Saloon		OK		Dilikani Ngubane 526515 22.11.2025	TC1
10074	A	Visually inspect that the earthing cable connecting LV7 cubicle to the car body is properly connected and the related bolts are correctly torqued		OK		Dilikani Ngubane 526515 22.11.2025	TC1
10075	R	LV7 visually grounded and torque is correctly marked		OK		Dilikani Ngubane 526515 22.11.2025	TC1
10076	A	Measure the impedance between the LV7 cubicle and the car body		OK		Dilikani Ngubane 526515 22.11.2025	TC1
10077	R	ImpedanceResult Max : x <= 0.05 (Ohm)		OK	0.000319	Dilikani Ngubane 526515 22.11.2025	TC1
10078	I	END OF TEST		OK		Dilikani Ngubane 526515 22.11.2025	TC1

Section 3 – Reflectometry

3.1 Instructions list

3.1.1 Network Cabling Integrity Test

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		Mphato Mphahlele 480716 22.11.2025	TC1
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		Mphato Mphahlele 480716 22.11.2025	TC1
10003	I	The Cable Analyzer Module DSX-5000 will be used to validate cabling		OK		Mphato Mphahlele 480716 22.11.2025	TC1
10004	I	Register as a new Operator on the DSX-5000. Check on the manual below on how to register as a new Operator. ***[14-48-12-308038_DSX 5000 User Manual.pdf]***		OK		Mphato Mphahlele 480716 22.11.2025	TC1
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_TC1_P01 for PACIS and TS021_TC1_T01 for TCMS.		OK		Mphato Mphahlele 480716 22.11.2025	TC1
10006	I	Use the pictures below for coupler test		OK		Mphato Mphahlele 480716 22.11.2025	TC1
10007	I	Front Coupler		OK		Mphato Mphahlele 480716 22.11.2025	TC1
10008	I	DB9 pin out		OK		Mphato Mphahlele 480716 22.11.2025	TC1
10009	I	TCMS cabling		OK		Mphato Mphahlele 480716 22.11.2025	TC1
10010	A	From: [25A15 Train Router Switch (Local: +LV1; Connector: 25XP15_ETH7)] to: [54A13 Train Router Switch (Local: +LV1; Connector: 54XP13_ETHCPU)] NOTE: Cable is crossed TSX_TC1_T01		OK		Mphato Mphahlele 480716 22.11.2025	TC1
10011	A	From: [25A15 Train Router Switch (Local: +LV1; Connector: 25XP15_ETH4)] to: [25A11 Ethernet Switch (CRS2) (Local: +LV1; Connector: 25XP11_X4)] NOTE: Cable is crossed TSX_TC1_T02		OK		Mphato Mphahlele 480716 22.11.2025	TC1
10012	A	From: [25A11 Ethernet Switch (CRS2) (Local: +LV1; Connector: 25XP11_X3)] to: [25A12 Switch Ethernet (CRS3) (Local: +LV1; Connector: 25XP12_X4)]		OK		Mphato Mphahlele 480716 22.11.2025	TC1

		NOTE: Cable is crossed TSX_TC1_T03					
10013	A	From: [25A12 Ethernet Switch (Local: +LV1; Connector: 25XP12_X8)] to: [25A18 MAINTENANCE INTERFACE (Local: +LV1; Connector: 25XP18_ETH)] NOTE: Cable is crossed TSX_TC1_T04		OK		Mphato Mphahlele 480716 22.11.2025	TC1
10014	A	From: [25A15 Train Router Switch (Local: +LV1; Connector: 25XP15_ETH1)] to: [25A14 Ethernet Repeater (TBR) (Local: +LV7; Connector: 25XP14_ETH0)] NOTE: Cable is crossed TSX_TC1_T05		OK		Mphato Mphahlele 480716 22.11.2025	TC1
10015	A	From: [25A15 Train Router Switch (Local: +LV1; Connector: 25XP15_ETH5)] to: [25A10 Ethernet Switch (CRS1) (Local: +LV7; Connector: 25XP10_X3)] NOTE: Cable is crossed TSX_TC1_T06		OK		Mphato Mphahlele 480716 22.11.2025	TC1
10016	A	From: [25A12 Switch Ethernet (CRS3) (Local: +LV1; Connector: 25XP12_X3)] to: [25A13 Switch Ethernet (CRS4) (Local: +LV7; Connector: 25XP13_X4)] NOTE: Cable is crossed TSX_TC1_T07		OK		Mphato Mphahlele 480716 22.11.2025	TC1
10017	A	From: [25A15 Train Router Switch (Local: +LV1; Connector: 25XP15_ETH3)] to: [Inter-car (Local: +END2; 90XP11.all)] NOTE: Cable is Straight TSX_TC1_T08		OK		Mphato Mphahlele 480716 22.11.2025	TC1
10018	A	From: [25A10 Ethernet Switch (CRS1) (Local: +LV7; Connector: 25XP10_X4)] to: [Inter-car (Local: +END2; 90XP11.al)] NOTE: Cable is Straight TSX_TC1_T09		OK		Mphato Mphahlele 480716 22.11.2025	TC1
10019	A	From: [25A13 Ethernet Switch (Local: +LV7; Connector: 25XP13_X3)] to: [Inter-car (Local: +END2; 90XP12.all)] NOTE: Cable is crossed TSX_TC1_T10		OK		Mphato Mphahlele 480716 22.11.2025	TC1
10020	A	From: [25A14 TBR (Local: +LV7; Connector: 25XP14_ETH1)] to: [Inter-car (Local: +END2; 90XP12.al)] NOTE: Cable is Straight TSX_TC1_T11		OK		Mphato Mphahlele 480716 22.11.2025	TC1
10021	A	From: [25A15 Train Router Switch (Local: +LV1; Connector: 25XP15_ETH0)] to: [Coupler 041 (Local: CLP; Connector:		OK		Mphato Mphahlele 480716 22.11.2025	TC1

		90XR120_LC14)] TSX_TC1_T12 NOTE: Cable is crossed NOTE: For this test, use the male coupler connector provided. Please refer to the picture above for the correct location of connector.					
10022	A	From: [25A15 Train Router Switch (Local: +LV1; Connector: 25XP15_ETH2)] to: [Coupler 141 (Local: +CLP; Connector: 90XR120_RC14)] TSX_TC1_T13 NOTE: Cable is Straight NOTE: For this test use the female coupler connector provided. Please refer to the above picture for correct location for the connector.		OK		Mphato Mphahlele 480716 22.11.2025	TC1
10023	A	From: [UHF Ethernet Cable (63XP1_X4) (Local: +LV2)] to: [UHF Hand held Ethernet Cable (Local: UDR - Under Driver Right); (63XP2_X1)] TSX_TC1_T14 NOTE: Cable is straight with 8 wires		OK		Mphato Mphahlele 480716 22.11.2025	TC1
10024	I	Pacis cabling		OK		Mphato Mphahlele 480716 22.11.2025	TC1
10025	A	From: [TRS 54A13 (Local: +LV1; Connector: 54XP13_ETH7)] to: [Inter-car (Local: +END2; 90XP12.ell)] NOTE: Cable is straight TSX_TC1_P01		OK		Mphato Mphahlele 480716 22.11.2025	TC1
10026	A	From: [CRS1 54A10 (Local: +LV7; Connector: 54XP10_X7)] to: [Inter-car (Local: +END2; 90XP11.ell)] NOTE: Cable is crossed TSX_TC1_P02		OK		Mphato Mphahlele 480716 22.11.2025	TC1
10027	A	From: [54A13 TRS (Local: +LV1; Connector: 54XP13_ETH6)] to: [54A10 CRS1 (Local: +LV7; Connector: 54XP10_X8)] NOTE: Cable is crossed TSX_TC1_P03		OK		Mphato Mphahlele 480716 22.11.2025	TC1
10028	A	From: [54A42 RACK UMC (EBM) (Local: +LV1;Connector: 54XP42_X2) to: [Coupler 042 (Local: +CLP; Connector: 90XR120_LE12)] TSX_TC1_P04 NOTE: Cable is crossed NOTE: For this test, use the male coupler connector and the DB9 connector provided. Refer to the picture above for the correct location of the connector.		OK		Mphato Mphahlele 480716 22.11.2025	TC1

10029	A	From: [54A42 RACK UMC (EBM) (Local: +LV1;Connector: 54XP42_X8) to: [Coupler 142 (Local: +CLP; Connector: 90XR120_RE12)] TSX_TC1_P05 NOTE: Cable is straight NOTE: For this test use the female coupler connector and the DB9 connector provided. Refer to the picture above for the correct location of the connector.		OK		Mphato Mphahlele 480716 22.11.2025	TC1
10030	A	All cables have been validated on TC1		OK		Mphato Mphahlele 480716 22.11.2025	TC1
10031	R	Download all the results from Fluke and save them on PC with folder name "TC1_TSxx"		NE			TC1
10032	I	END OF TEST		OK		Mphato Mphahlele 480716 22.11.2025	TC1

Section 4 – Config

4.1 Instructions list

4.1.1 Car 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		Mphato Mphahlele 480716 22.11.2025	TC1
10002	A	Check continuity between 93XT104_1 pin 50 and Ground point		OK		Mphato Mphahlele 480716 22.11.2025	TC1
10003	R	There is no continuity		OK		Mphato Mphahlele 480716 22.11.2025	TC1
10004	I	If there is continuity above, the wire 19203LE is pinched on the compressor isolation cock.		OK		Mphato Mphahlele 480716 22.11.2025	TC1
10005	A	Check continuity on all pins of connector 90XP15 & 90XP14 to ground		OK		Mphato Mphahlele 480716 22.11.2025	TC1
10006	R	There is no continuity except pin 62 of connector 90XP15		OK		Mphato Mphahlele 480716 22.11.2025	TC1
10007	A	Check continuity on all pins of the coupler to ground.		OK		Mphato Mphahlele 480716 22.11.2025	TC1
10008	R	There is no continuity		OK		Mphato Mphahlele 480716 22.11.2025	TC1
10009	I	Smoke Detector Address Configuration		OK		Mphato Mphahlele 480716 22.11.2025	TC1
10010	A	Remove and configure the Smoke Detector 67A4 in the cabin, according to the figure attached.		OK		Mphato Mphahlele 480716 22.11.2025	TC1
10011	A	Reconnect Smoke Detector 67A4		OK		Mphato Mphahlele 480716 22.11.2025	TC1
10012	A	Remove and configure the Smoke Detector 67A2 (+PA1) according to the figure attached.		OK		Mphato Mphahlele 480716 22.11.2025	TC1
10013	A	Reconnect Smoke Detector 67A2		OK		Mphato Mphahlele 480716 22.11.2025	TC1
10014	A	Remove and configure the Smoke Detector 67A3 (+PA3) according to the figure attached.		OK		Mphato Mphahlele 480716 22.11.2025	TC1
10015	R	Measure the resistance (LHD- Line Heat Detection from Static Converter Box) between point 1 and point 4 of the connector 67XP3_11.Result Min/Max : 550<= x<= 700 (Ohms)		OK	601.2	Mphato Mphahlele 480716 22.11.2025	TC1

10016	A	Reconnect Smoke Detector 67A3		OK		Mphato Mphahlele 480716 22.11.2025	TC1
10017	I	OTDR LOOP		OK		Mphato Mphahlele 480716 22.11.2025	TC1
10018	I	Check the continuity between the following points:		OK		Mphato Mphahlele 480716 22.11.2025	TC1
10019	A	From: [61A2 Speed Indicator IN+ (local: +DD4)] to: [Local(+END2) Connector: -90XP13.b pin1]		OK		Mphato Mphahlele 480716 22.11.2025	TC1
10020	A	From: [61A2 Speed Indicator OUT- (local: +DD4)] to: [Local(+END2) Connector: -90XP13.b pin 2]		OK		Mphato Mphahlele 480716 22.11.2025	TC1
10021	I	END OF TEST		OK		Mphato Mphahlele 480716 22.11.2025	TC1

Section 5 – Report summaries

5.1 Results status

Test Instruction Sheet	Compliant	Incomplete	Non-compliant
Protective Bonding	X		
Reflectometry	X		
Config	X		

5.2 Tools used

Function	Tool name	Tool number	Next Calibration date
012	Megger	Megger	8/11/2026
025_NET_054_PIS	Cable Analyser DSX5000	Fluke machine_Gibela	12/31/2025
CONF	Multimeter	Multimeter 3	9/30/2026