

X'TRAPOLIS MEGA

SUMMARY REPORT

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RELEASED

X'TRAPOLIS MEGA

Application: **PRASA**

Technical Modifications

Geometric tolerances

A4

N

Replaces:

Replaced by:

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Creation

Index

Revision Notification no.

Prepared

27/11/2025

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Checked

27/11/2025

F. TSHIOVHE

Approved

27/11/2025

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Date

Name

en

**Summary Report of open items from
TS313 Routine and Acceptance
Testing**

**GIBELA**

GIB0000008918

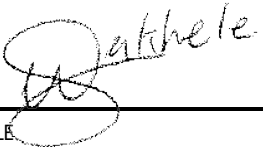
Rev.:
A0

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Table of Modifications

Rev	Date	Modifications Content	Writer
A0	27/11/2025	Creation	Lindani NGUBANE

Internal Validation

	Name	Function	Date	Signature
Writer	Lindani NGUBANE	Serial Test Manager	27/11/2025	X  Lindani NGUBANE Serial Test Manager
Checker	Fhatuwane TSHIOVHE	Test Engineering Manager	27/11/2025	X  Fhatuwane TSHIOVHE Test Engineering Manager
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1 INTRODUCTION

For the PRASA project Gibela has implemented an exhaustive test program to perform the static routine testing at vehicle and train level including the dynamic routine test schedules. After the handover of each car from production to testing, the train is progressively coupled to formulate a six-car trainset. In parallel to the coupling activities Vehicle Functional Stating Testing is performed individually on the six cars. Static testing is continued to Train Functional Level.

After the static tests have been performed, the Dynamic Test is done on a 1.2 km test track in the Dunnottar Dynamic Test Track to verify all the safety functions of the train up to 60 km/h. The train is then transported to Wolmerton Depot for the final high speed acceptance test and handover to the customer.

2 SCOPE

The purpose of this document is to summarize the test results of the different test schedules.

The complete test report for each test schedule including all the test steps with respect to the pass/fail criteria will be submitted.

3 TEST CONDITIONS

Vehicles Tested

TS313 is composed of vehicles:

- TC1# 01 20 313 1
- M4 # 01 20 313 2
- M1 # 01 20 313 3
- M2 # 01 20 313 4
- M3 # 01 20 313 5
- TC2 # 01 20 313 6

Test Schedule

The tests were performed following the Routine Test Schedules

- | | |
|---|------------------------|
| ➤ Vehicle Pre- Testing TC1 (VPT) | GIB0000001325 rev D4.1 |
| ➤ Vehicle Pre- Testing TC2 (VPT) | GIB0000001325 rev D4.1 |
| ➤ Vehicle Pre- Testing M1 (VPT) | GIB0000001325 rev D4 |
| ➤ Vehicle Pre- Testing M2 (VPT) | GIB0000001325 rev D3 |
| ➤ Vehicle Pre- Testing M3 (VPT) | GIB0000001325 rev D3 |
| ➤ Vehicle Pre- Testing M4 (VPT) | GIB0000001325 rev D3 |
| ➤ Vehicle Functional Testing TC1 (VFT) | GIB0000001312 rev D4 |
| ➤ Vehicle Functional Testing TC2 (VFT) | GIB0000001313 rev D4 |
| ➤ Vehicle Functional Testing M1 (VFT) | GIB0000001314 rev D4 |
| ➤ Vehicle Functional Testing M2 (VFT) | GIB0000001315 rev D4.1 |
| ➤ Vehicle Functional Testing M3 (VFT) | GIB0000001316 rev D3 |
| ➤ Vehicle Functional Testing M4 (VFT) | GIB0000001317 rev D3 |
| ➤ Train Functional Routine Static Testing (TFS) | GIB0000001101 rev D3 |
| ➤ Train Functional Dynamic Testing (TFD) | GIB0000001628 rev D3 |
| ➤ Acceptance Test on Customer Track (ACT) | GIB0000000293 rev D4 |

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General test conditions

No specific ambient conditions were mandatory during testing.

Static and Dynamic Test location

The tests were conducted at the Gibela Dunnottar factory in South Africa

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Test participants

Last Name	First Name	Company	Occupation
MERAPE	Mavis	Gibela	EPU Manager
ZULU	Vusumuzi	Gibela	EPU Manager
MABUNDA	Neliswa	Gibela	EPU Manager
MASONDO	Nhlakanipho	Gibela	EPU Manager
MCHUNU	Siphesihle	Gibela	Test Technician
SOKHELA	Celiwe	Gibela	Test Technician
MDLULI	Nokuzola	Gibela	Test Technician
DITLHAKANYANE	Paseka	Gibela	Test Technician
BALISO	Gcobani	Gibela	Test Technician
SHINGA	Sthabile	Gibela	Test Technician
MABUNDZANE	Nick	Gibela	Test Technician
GUMEDE	Carol	Gibela	Test Technician
MTHEMBU	Mvelo	Gibela	Test Technician
MILANI	Philemon	Gibela	Test Technician
KHOSA	Tshembhani	Gibela	Test Technician
TSELA	Impi	Gibela	Test Technician
MABOWA	Anthonia	Gibela	Test Technician
FUNYUFUNYU	Mbavhalelo	Gibela	Test Technician
CHIRWA	NQOBILE	Gibela	Test Technician
SIBANYONI	Sizwe	Gibela	Test Technician
TIVANI	Angel	Gibela	Test Technician
SEKGOLOLO	Alleta	Gibela	Test Technician
SITHOLE	Mpumelelo	Gibela	Test Technician
MADELA	Mlungisi	Gibela	Test Technician
KGATITSWE	Goitsemodimo	Gibela	Test Technician
MKHWA	Sinazo	Gibela	Test Technician
MTHOMBENI	Tebogo	Gibela	Test Technician
MPHAHLELE	Mphato	Gibela	Test Technician
MTOLO	Sicelo	Gibela	Test Technician
NGUBANE	Dilikani	Gibela	Test Technician
NTULI	Amanda	Gibela	Test Technician

Routine test Period

The routine test was performed from the 17th of November 2025 until the 26th of November 2025 in Dunnottar.

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Acceptance Test location

High-Speed Acceptance Test on the Customer Main Line (De-Wildt), The dynamic performance to be validated to a maximum speed of 60km/h inclusive, ensuring compliance to service, emergency and degraded mode braking performance.

Acceptance Test participants

Last Name	First Name	Company	Position
TBA			

Acceptance Test period

The High speed Acceptance test to be performed in Wolmerton, Customer Main Line (De-Wildt).

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4 TEST RESULTS

Vehicle Pre-Testing

RTR Vehicle Pre-Testing TS313 TC1 Report	GIB0000008913 rev A0
RTR Vehicle Pre-Testing TS313 TC2 Report	GIB0000008914 rev A0
RTR Vehicle Pre-Testing TS313 M1 Report	GIB0000008909 rev A0
RTR Vehicle Pre-Testing TS313 M2 Report	GIB0000008910 rev A0
RTR Vehicle Pre-Testing TS313 M3 Report	GIB0000008911 rev A0
RTR Vehicle Pre-Testing TS313 M4 Report	GIB0000008912 rev A0
All test steps were performed and passed successfully	

Vehicle Functional Testing

RTR Vehicle Functional Static Testing TS313 TC1 Report	GIB0000008907 rev A0
RTR Vehicle Functional Static Testing TS313 TC2 Report	GIB0000008908 rev A0
RTR Vehicle Functional Static Testing TS313 M1 Report	GIB0000008903 rev A0
RTR Vehicle Functional Static Testing TS313 M2 Report	GIB0000008904 rev A0
RTR Vehicle Functional Static Testing TS313 M3 Report	GIB0000008905 rev A0
RTR Vehicle Functional Static Testing TS313 M4 Report	GIB0000008906 rev A0
All test steps were performed and passed successfully	

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Train Functional Static Testing

RTR Train Functional Static Testing TS313 Report GIB0000008915 rev A0

All test steps were performed and passed successfully

Train Functional Dynamic Testing

RTR Train Functional Dynamic Testing TS313 Report GIB0000008916 rev A0

All test steps were performed and passed successfully

Acceptance Test on Customer Track

RTR TS313 Acceptance Test on Customer Track test report GIB0000008917 rev A0

The High speed Acceptance test to be performed in Wolmerton, Customer Main Line (De-Wildt

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5 CONCLUSION AND RECOMMENDATION

All routine (works) tests have been performed and completed successfully.

1. ERTMS simcards not installed due to non-availability.

The Acceptance Test on customer track that covers the high speed 120km/h and UHF radio functional tests will be performed in Wolmerton.

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