

### Scope and Purpose

- a) This document will address readiness with respect to Delivery.
- b) The Review Recorder will be responsible for documenting the information gathered at the readiness review meeting to produce this document.
- c) Please complete this checklist during the Delivery Readiness Review to verify all preparatory work has been completed and all requirements specified under Clause 6.5 (Delivery) of the Agreement have been complied with to allow the Company to issue a Delivery Certificate with respect to this New Train.

|                                                                                                                                                                                                                                                                              |            |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|
| <b>The Delivery Readiness Review is conducted to determine if the New Train under review is ready to advance to the Acceptance Tests Review Phase by deciding whether the activities are complete and verifying their compliance with the requirements of the Agreement.</b> |            |
| Review Date:                                                                                                                                                                                                                                                                 | 10/07/2024 |
| Scheduled Acceptance Date:                                                                                                                                                                                                                                                   | 31/08/2024 |

| Delivery Readiness Review Checklist - Activity Description |                                                                                                                                                                                                                                      |         |                     |    |     |                                                          |
|------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|---------------------|----|-----|----------------------------------------------------------|
| Category                                                   | Description                                                                                                                                                                                                                          | Outcome |                     |    |     | Evidence                                                 |
|                                                            |                                                                                                                                                                                                                                      | Yes     | Yes with conditions | No | N/A |                                                          |
| Design Review                                              | Has the Design Review been completed to the satisfaction of the Project Manager?                                                                                                                                                     | ✓       |                     |    |     | Please refer to Appendix A attached for further details. |
| Works Tests                                                | Have all the Works Tests been successfully completed and a Works Test Certificate issued?                                                                                                                                            |         | ✓                   |    |     | Please refer to Appendix E attached for further details. |
| Specification                                              | Does the New Train comply, in all material respects, with the Specification, save for minor defects as agreed between the Company and the Contractor and which the Contractor undertakes to rectify prior to Provisional Acceptance? | ✓       |                     |    |     | Please refer to Appendix D attached for further details. |

## DELIVERY READINESS REVIEW

### EM 01 20 232

| Delivery Readiness Review Checklist - Activity Description |                                                                                                                                                                                                                                                                               |         |                     |    |     |                                                                                                                                                                                                                                                                                                 |
|------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|---------------------|----|-----|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Category                                                   | Description                                                                                                                                                                                                                                                                   | Outcome |                     |    |     | Evidence                                                                                                                                                                                                                                                                                        |
|                                                            |                                                                                                                                                                                                                                                                               | Yes     | Yes with conditions | No | N/A |                                                                                                                                                                                                                                                                                                 |
| Quality Assurance                                          | Have all stage inspections listed in the Quality Assurance Plan been carried out and correctly witnessed?                                                                                                                                                                     | ✓       |                     |    |     | All stage inspections, pursuant to clause 7.2.4 of the Quality Assurance Plan, are listed with associated evidences, in the EM 01 20 232 Data Book.                                                                                                                                             |
| Necessary Consents                                         | Have all Necessary Consents to carry out the required on-track testing of that New Train, including for the first of each train type, the on-track Type Tests (under and as defined in paragraph 5.2 of Part 8 (Testing) of Schedule 3 (Agreement Management), been obtained? | ✓       |                     |    |     | <p>The applicable Necessary Consents are the:</p> <ul style="list-style-type: none"> <li>• The authority to access the lines ("YQ"); and</li> <li>• RSR No-Objection for testing &amp; commissioning (limited to 120km/hr).</li> </ul> <p>These documents are referenced to the Appendix C.</p> |
| Responsibility Matrix                                      | Has each party performed its obligations set out in the Responsibility Matrix applicable to and/or necessary for valid Delivery?                                                                                                                                              | ✓       |                     |    |     | The obligations referenced under items 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 19, 20, 23, 24, 25, 26, 27, 30, 31, 34, 35, 38, 39, 46, 47, 48, 51, 52, 54, 57, 58, 59, 62, 63, 66, 67, 68, 71 & 72 of the Responsibility Matrix, Schedule 11 of the MSA, have been performed.                |



## DELIVERY READINESS REVIEW

### EM 01 20 232



| Signed by the Project Manager's Representative on behalf of the Company                                                         | Signed by the Engineers Representative on behalf of the Contractor |
|---------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------|
| <b>Name</b> _____                                                                                                               | <b>Name</b> _____                                                  |
| <b>Signature</b> _____                                                                                                          | <b>Signature</b> _____                                             |
| <b>Date</b> _____                                                                                                               | <b>Date</b> _____                                                  |
| By signing this document, I agree that the New Train, the subject of this review is eligible to receive a Delivery Certificate. |                                                                    |

## **Appendix A**

### **Design Review Completion**

The scope of the Design Review is specified in the following:

- Part 5 (Management Communications/Meetings) of Schedule 3 (Agreement Management) of the Manufacture and Supply Agreement (the MSA);
- Part 6 (Design Process) of Schedule 3 (Agreement Management) of the MSA.

Design Review Process:

1. Seven stage Design Review Process was undertaken between May 2014 and September 2016. The Critical Gate Review (design freeze) was confirmed by the Project Manager with letter PRA-GIB-MSA-0041 dated 24 October 2014 and in subsequent Design Freezes as may be confirmed by the Project Manager from time to time.
2. The Design Review Register (DRR) records all agreed subsequent minor changes.
3. The New Train, subject of this confirmation, is EM 01 20 232.
4. EM01 20 232 is built to Design Baseline 10.3.1 with minor design changes as agreed in GIB-PRA-MSA-001741 dated 22<sup>nd</sup> March 2022.

**Supporting documents:**

- Design Review Register, version EH0
- Design Review Open Items List, version EP0

## Appendix B

### Compliance with the Specification

The Project Manager of the Company confirms that the New Train EM 01 20 232 complies, in all material respects, with the Specification:

- Schedule 17(Specification) of the MSA;
- List of applicable standards, document reference “DTD0000496779\_CO\_PRASA\_List of Applicable Standards\_EN.pdf”; and
- Accepted derogations as listed hereafter and submitted to RSR for concurrence:
  - Fire & Smoke Secondary Suspension;
  - Fire & Smoke UHF Radio;
  - Fire & Smoke Electronics & Electrical components;
  - Fire & Smoke Performance of Floor Assembly;
  - Derogations against the South African National Standard SANS 10383-1:2003 as listed in the Design Scrutiny #09 submitted by PRASA to RSR;
  - Headlights.

Save for the following minor defects:

- Minor defects identified and agreed between the Company and the Contractor during the PC10 quality inspection held on 11 July 2024 and which the Contractor undertakes to rectify prior to Provisional Acceptance:

| Item | Description of Defects                             | Action Required                         |
|------|----------------------------------------------------|-----------------------------------------|
| 1    | GIB0000000380 ver A1_Defects Report for TS232 PC10 | Refer to Appendix D for further details |

- Open items of the Design Review Open Items List and the Design Review Register as included in Appendix A.

None of these minor defects prevent the Delivery of the New Train EM 01 20 232.

### Appendix C

### Necessary Consents

|                                                                                      |                                                                                                                                                          |                                                                        |
|--------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------|
| YQ related to the movement of the New Train from Dunnottar to Wolmerton              | YQ for Running of Diesel Locomotives from Braamfontein Yard to Dunnottar.<br><br>YQ related to the movement of the EMU from Dunnottar to Wolmerton Yard. | YQ PEMU062 PRASA EMU Wagons                                            |
| YQ, related to the testing on the de Wildt line under a "full occupation" conditions | YQ for PRASA NEW TRAIN TESTING DE WILDT LINE.                                                                                                            | 3016 EMU HIGH SPEED TESTING<br>DE WILDT CORRIDOR 02 JAN-31<br>DEC 2024 |
| RSR No-Objection certificate for testing & commissioning                             | PRA-GIB-MSA-0232                                                                                                                                         | PRA-GIB-MSA-0232<br>Letter of No Objection                             |

To: AS PER E-MAIL



From: Occupations and Incident Management

Inyanda House 1  
21 Wellington Road  
Parktown

YQ No. PEMU062

Amended

Code "OCC"

Date: 10 July 2024

Subject: -

**HAULAGE OF PRASA-EMU Wagons TS#231 & TS#232**

Sections: -

**DUNNOTTAR - WOLMERTON - STQ - WOLMERTON**

AUTHORITY HAS BEEN GRANTED FOR THE HAULAGE OF Special EMU Coaches Train  
OVER THE SECTIONS MENTIONED ABOVE:

Mon 15-Jul-2024

TRAIN NO. 90 7901/2

| <u>SECTION</u> | <u>ARRIVE</u> | <u>DEPART</u> | <u>Remarks</u>                                 |
|----------------|---------------|---------------|------------------------------------------------|
| Springs Yard   |               | 10:00         | SPR Crew. Shunt car coupled to 15 Empty wagons |
| Dunnottar      | 11:00         | 13:30         | Shunting + Brake Test                          |
| Springs Yard   | 14:30         |               | Change Locos to 44D + Shut Down                |

Tue 16-Jul-2024

TRAIN NO. 90 7901/2

| <u>SECTION</u> | <u>ARRIVE</u> | <u>DEPART</u> | <u>Remarks</u>            |
|----------------|---------------|---------------|---------------------------|
| Springs Yard   |               | 08:00         | STQ Crew                  |
| Sentrarand     |               | 09:07         |                           |
| Wolmerton      | 10:34         | 11:24         | Couple sets TS66 and TS33 |
| Sentrarand     | 14:43         | 13:49         | Couple TS116 and TS27     |
| Wolmerton      | 16:47         | 17:17         | Return resources          |
| Springs        | 20:36         |               |                           |

(See detailed Point to Point Running Times)

Consist:

Haulage Locomotives

12 (twelve) x PRASA EMU Coaches

10 - 15 x SMLJ empty and fully roadworthy airbrake wagons for braking purposes.

Fully functional Telemeter at the rear of the train.

Conditions:

Speed not exceeding 60 km/h to be observed throughout the journey

EMU Wagons travel DAY and NIGHT.

This Notice must be handed out as ruled in Clause 1055 Of General Appendix No. 6 (Part 1).

**NB! IN CASE OF ANY EMERGENCY, DEVIATION OR INCIDENT THE DUTY MANAGER  
SHOULD BE CALLED AT 011 544 9094 / 011 544 9099**

**TO :** AS BELOW

**FROM :** MANAGER TRAIN SERVICES  
METRORAIL TIME TABLES  
PRETORIA STATION BUILDING  
SECOND FLOOR, ROOM 242  
GAUTENG NORTH



1-Dec-23

**YQ no.3016**

**CODE: " MVA "**

**GAUTENG NORTH : TRAIN SERVICE ARRANGEMENTS**  
**EMU: HIGH SPEED TESTING**

1. Authority has been granted for **120km/h** high speed testing of the EMU train sets on the **De Wildt corridor**, Gauteng North Region between **KM/P 27/709 to Taillardshoop Platform** on the **DOWN MAINLINE** for up and down direction from the **02 January 2024 to 31 December 2024** as per schedule time below:
2. **Time: 09:00 - 15:00**
3. **The following documents, amongst others, must be in order and readily available on the registered premises of the said operator, for inspection by any recognised authority. before the train enter the section.**
  - 3.1.Valid Roadworthy Certificates for the Train Set.
  - 3.2.Proof of competent of the train crew.
  - 3.3.Certificate of Pretoria - De Wildt Network status.
  - 3.4.Permit from Railway Safety Regulator to run New Prasa train set to Pretoria - De Wildt
  - 3.5.Road Knowledge of the train crew.
4. The Manager/ Section Manager on the New Prasa set in collaboration with Gibela technician will inform the TCO's when they are ready to depart.
5. The said operator will at all times, conduct its affairs and behaviour in accordance with the letter and spirit of the general Access Agreement with Prasa (Metrorail).
6. Special attention must be afforded to this train to prevent delays.
7. Compilation : Prasa New Set (EMU)
8. Protection Service to ensure that Protection Officials are deployed during the testing and regulate the influx of communities within the rail reserve.
9. Customer Service to communicate the testing of Prasa New train set to commuters and make continuous announcement for the duration of the testing.
10. Advise all concerned and acknowledge receipt.

**ADDRESSED TO :**

Coordinator and Train Service Execution (CTC) Pretoria North, Gauteng South.

Manager Prasa New Train Project Gauteng

Manager Gibela Project

Train Crew Manager ( Metro ) Wolmerton / Scheiding Street, Gauteng South.

Manager Safety, Prasa Rail Gauteng

Manager Planning and Control, Gauteng.

Section Manager Wolmerton & Scheiding, Gauteng South.

Manager Rolling Stock E.R.S. (Metro) Gauteng

Yardmaster ( Metro ) Wolmerton, Springs.

Supervisor (Metro) Coach Cleaners, Wolmerton.

Customer Services Managers Gauteng.

Central Information Office, Gauteng.

Marketing Manager, Prasa Rail Gauteng.

A. Sadiki

Time Table Scheduler



**prasa**

PASSENGER RAIL AGENCY  
OF SOUTH AFRICA

PRASA HOUSE  
1040 Burnett Street  
Hatfield  
Pretoria

Private Bag X101  
Braamfontein, 2017  
T: +27 12 748 7000

[www.prasa.com](http://www.prasa.com)

**Mr. Marc Granger**

Gibela Rail Transport Consortium (Pty) Ltd.  
Building 5, Harrowdene Office Park,  
Cnr Kelvin and Woodlands Drive, Woodmead,  
2191

Date: 16 March 2016

**Contract Title :      Manufacture and Supply Agreement**  
**Subject :                RSR – LETTER OF NO OBJECTION**

**Our Reference :      PRA-GIB-MSA-0232                      Your Reference :      GIB-PRA- GIB-MSA-000126**

Dear Marc,

I refer you to the abovementioned letter under reference GIB-PRA-MSA-000126.

PRASA wishes to inform you that further to the "No Objection" received from the RSR for the Design and Manufacture of the rolling stock, a Submittal Review for the Testing and Commissioning for the rolling stock has been received from the RSR.

We are confirming we received the letter of "No Objection from the RSR and our status is "Approval with Improvements". This confirms that testing and commissioning activities have been authorized to proceed. The submittal review can be made available on Gibela's request.

Yours faithfully,

**MR RUDZANI P MULAUDZI**  
**THE PROJECT MANAGER'S REPRESENTATIVE**  
**PROGRAMME DIRECTOR**  
**STRATEGIC ASSEST DEVELOPMENT**

**Initiator and Responsibility**

Name : Ngabi Mareko  
Position : Executive Manager  
PRASA Rail Operations

**Enclosures:**

None

**Distribution:**

As per the Communications Management Plan

**Directors**      Dr P Molefe (Chairman), N Khena (Acting Group  
CEO), C Cele, X George, NS Kheswa, ZP Manase,  
C Manyungwana, MJ Matlala, L McMillan,  
N Mxenge, WS Steenkamp.

**Company Secretary:**  
L. Zide



**prasa**

PASSENGER RAIL AGENCY  
OF SOUTH AFRICA

**Acknowledgement Receipt:**

**Contract Reference** : Manufacture and Supply Agreement  
**Subject** : RSR – LETTER OF NO OBJECTION  
**Our Reference** : PRA-GIB-MSA-0232

**Recipients Name** : \_\_\_\_\_

**Recipient Signature** : \_\_\_\_\_

**Date** : \_\_\_\_\_

**Contact number** : \_\_\_\_\_



**DELIVERY READINESS REVIEW**  
**EM 01 20 232**



**Appendix D**

**Defects Report for TS232 PC10**

|                      |               |                                                                                                                                                                                                                 |              |        |    |                |    |    |                                                   |                          |                                  |                                                                                                                |                                                 |                    |                   |        |  |
|----------------------|---------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|--------|----|----------------|----|----|---------------------------------------------------|--------------------------|----------------------------------|----------------------------------------------------------------------------------------------------------------|-------------------------------------------------|--------------------|-------------------|--------|--|
| Train #              | 232           | TS #                                                                                                                                                                                                            | EM 01 20 232 | TC1    | M1 | M2             | M3 | M4 | Process Stage                                     | PC10                     | Inspector                        | PRASA and Gibela                                                                                               | Date                                            | 2024/07/09         | Page              | 1 of 1 |  |
| Item                 | Demerit Class | Defect Description                                                                                                                                                                                              |              |        |    |                |    |    | Localisation<br>Interior, underframe,<br>roof etc | End<br>[1] or<br>[2]     | Side<br>Left [L] or<br>Right [R] | Action Required<br>(Ready to fix/Part needed/ NCR/ Work<br>Instruction required for special process<br>rework) | Dep<br>Prime Ops,<br>Warehouse, Design, SQ<br>A | GIBELA<br>Sign-off | PRASA<br>Sign-off |        |  |
| Quality Declarations |               |                                                                                                                                                                                                                 |              |        |    |                |    |    |                                                   |                          |                                  |                                                                                                                |                                                 |                    |                   |        |  |
| 1                    | C             | General : Grease not applied on couplers                                                                                                                                                                        |              |        |    |                |    |    | U/F                                               | 1                        | C                                | RTF                                                                                                            | OPS                                             |                    |                   |        |  |
| 2                    | C             | TC1 and TC2 Missing wiper controllers- To be fitted in Wolmerton currently using a golden unit                                                                                                                  |              |        |    |                |    |    | EXT/INT                                           | 1                        | C                                | Derogation - PRASA-DERSU-1202                                                                                  | Warehouse                                       |                    |                   |        |  |
| Testing Declarations |               |                                                                                                                                                                                                                 |              |        |    |                |    |    |                                                   |                          |                                  |                                                                                                                |                                                 |                    |                   |        |  |
| 1                    | B             | TC2 Platform light R/H5 switching ON and OFF                                                                                                                                                                    |              |        |    |                |    |    | EXT                                               | 1                        | R                                | NCR                                                                                                            | SQA                                             |                    |                   |        |  |
| Engineering Defects  |               |                                                                                                                                                                                                                 |              |        |    |                |    |    |                                                   |                          |                                  |                                                                                                                |                                                 |                    |                   |        |  |
| 1                    | C             | Monitor bogie red cables touching axle:<br>M2 axle 1 and 4                                                                                                                                                      |              |        |    |                |    |    | U/F                                               | 2                        | C                                | As per DPM Discussion                                                                                          | ENG                                             |                    |                   |        |  |
| 2                    | C             | General : 1/4 window screws discoloration                                                                                                                                                                       |              |        |    |                |    |    | EXT                                               | 1+2                      | L+R                              | As per DPM Discussion                                                                                          | ENG                                             |                    |                   |        |  |
| Quality Defects      |               |                                                                                                                                                                                                                 |              |        |    |                |    |    |                                                   |                          |                                  |                                                                                                                |                                                 |                    |                   |        |  |
| 1                    | C             | Lower body scratches:<br>M2 Door 4, below window 10<br>M4 below window 3 and window 11<br>M3 next to door 1, failing above door 3<br>M1 below window 1 and 11<br>TC1 below window 1 and 9<br>TC2 next to door 5 |              |        |    |                |    |    | U/F                                               | 1+2                      | L+R                              | RTF                                                                                                            | CBS                                             |                    |                   |        |  |
| 2                    | C             | M3 Floor marley is bubbly by window 7                                                                                                                                                                           |              |        |    |                |    |    | INT                                               | 2                        | L                                | NCR                                                                                                            | SQA                                             |                    |                   |        |  |
| 3                    | C             | M2 Rattling draught screen below window 6                                                                                                                                                                       |              |        |    |                |    |    | INT                                               | 2                        | R                                | RTF                                                                                                            | OPS-FIT                                         |                    |                   |        |  |
| 4                    | C             | TC2 Foot rest not going up                                                                                                                                                                                      |              |        |    |                |    |    | INT                                               | 1                        | C                                | NCR                                                                                                            | SQA                                             |                    |                   |        |  |
| 5                    | C             | TC2 Cab door R/H5 locking mechanism not working (Key keep rotating)                                                                                                                                             |              |        |    |                |    |    | EXT                                               | 1                        | R                                | NCR                                                                                                            | SQA                                             |                    |                   |        |  |
| 6                    | C             | M1 Red marks on sealant next to end seal 2                                                                                                                                                                      |              |        |    |                |    |    | EXT                                               | 2                        | L                                | RTF                                                                                                            | OPS- FIT                                        |                    |                   |        |  |
| 7                    | C             | M2 and M3 PRASA log colour variation                                                                                                                                                                            |              |        |    |                |    |    | EXT                                               | 2                        | R                                | RTF                                                                                                            | GSDH                                            |                    |                   |        |  |
| 8                    | C             | TC2 Left skirt has uneven gap                                                                                                                                                                                   |              |        |    |                |    |    | EXT                                               | 1                        | L                                | RTF                                                                                                            | OPS- FIT                                        |                    |                   |        |  |
| Date                 |               | 2023/09/11                                                                                                                                                                                                      |              |        |    |                |    |    |                                                   |                          |                                  |                                                                                                                |                                                 |                    |                   |        |  |
| GIBELA               |               | GIB0000000380                                                                                                                                                                                                   |              | Rev A1 |    | Defects Report |    |    |                                                   | 30/05/2022<br>30/05/2025 |                                  |                                                                                                                |                                                 |                    |                   |        |  |



## **DELIVERY READINESS REVIEW**

### **EM 01 20 232**



## **Appendix E**

### **Works Test Certificate**

Not available at Delivery Readiness Review.