

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.

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.	
Review Date:	02/07/2024
Scheduled Acceptance Date:	31/07/2024

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.

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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 20 230 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"> The authority to access the lines ("YQ"); and RSR No-Objection for testing & commissioning (limited to 120km/hr). <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?	✓				<p>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.</p>

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DELIVERY READINESS REVIEW
EM 01 20 230

Signed by the Project Manager's Representative on behalf of the Company	Signed by the Engineers Representative on behalf of the Contractor
<p>Name <u>Nick Tompkins</u> VUYISILE SIDYHO</p> <p>Signature <u><i>Nick Tompkins</i></u></p> <p>Date <u>01/08/2024</u> 01/08/2024</p>	<p>Name <u>Soraya McCann</u> Deven Dran Govender</p> <p>Signature <u><i>Soraya McCann</i></u></p> <p>Date <u>01/08/2024</u> 01/08/2024</p>
<p>By signing this document, I agree that the New Train, the subject of this review is eligible to receive a Delivery Certificate.</p>	

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 20 230.
4. EM01 20 230 is built to Design Baseline 10.3.1 with minor design changes as agreed in GIB-PRA-MSA-001741 dated 22nd March 2022.

Supporting documents:

- Design Review Register, version EHO
- Design Review Open Items List, version EPO

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Appendix B

Compliance with the Specification

The Project Manager of the Company confirms that the New Train EM 01 20 230 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 26 June 2024 and which the Contractor undertakes to rectify prior to Provisional Acceptance:

Item	Description of Defects	Action Required
1	GIB000000380 ver A1_Defects Report for TS230 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 20 230.

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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. YQ related to the movement of the EMU from Dunnottar to Wolmerton Yard.	YQ PEMU061 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 DE WILDT CORRIDOR 02 JAN-31 DEC 2024
RSR No-Objection certificate for testing & commissioning	PRA-GIB-MSA-0232	PRA-GIB-MSA-0232 Letter of No Objection




To: AS PER E-MAIL



From: Train Network Planning, NCC

Inyanda House 1
21 Wellington Road
Parktown

YQ No. **PEMU061**

Code **"NCC"**

Date: 02 July 2024

Subject: - **HAULAGE OF PRASA-EMU Wagons TS#229 & TS#230**

Sections: - **DUNNOTTAR TO WOLMERTON**

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

Mon 08-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 09-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	Return resources back to SPR.
Springs	#REF!		

(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**

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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

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 20 230



Appendix D

Defects Report for TS230 PC10

A handwritten signature in black ink, appearing to be "M. C.", located in the lower right quadrant of the page.

A small, handwritten mark or signature in black ink, located to the right of the first signature.

Train #	Z30	TS #	EM 01 20 Z30	TC1	M1	M2	M3	M4	Process Stage	PC10	Inspector	PRASA and Gibbels	Date	6/26/2024	Page	1 of 1	
Item	Demerk Class	Defect Description									Localisation Interior, undertrans, roof etc	End [1] or [2]	Side Left [L] or Right [R]	Action Required (Ready to Roll needed/ NCR/ Work instruction required for special process)	Dep. Prev. Ops, Warehouse Design, SQ	GIBBELS Sign-off	PRASA Sign-off
Quality Declarations																	
1	C	Coupler grease not applied									U/F	1&2	L&R	RTF	OPS		
Testing Defects Declarations																	
1	C	Cab HVAC fan blade are faulting on the housing									Roof	1	1&2	RTF	SOA		
Functional defects																	
1	B	TC1 wheel is bouncing during operation Transferred to PC11 as per derogation PRASA-DERSU-1202									EXT	1	C	RTF	SOA		
Engineering Defects																	
1	C	1/4 Window discoloration									EXT	1+2	L+R	As per DPM Discussion	Engineering		
2	C	TC1 Seat 5 has movement and sound against lower panel when pushed or sat on.									INT	2	L	Under investigation	Engineering/PME		
Quality Defects																	
1	C	PRASA wheels have colour variation									EXT	1	L&R	RTF	GSDI		
		Scratches on side wall															
2	C	M2 above window 12 M2 below window 11 M2 below window 12, 4&6 TC1 below window 1&4									EXT	1+2	L+R	RTF	CBS		
3	C	TC1 Paint inclusions on polyester masking									EXT	1	R	RTF	8FG		
		Misaligned light covers															
4	C	TC1 above door 4 M3 window 6 M2 window 10 & 4 M2 window 3									EXT	1	C	NCR	OPS		
5	C	Propulsion box side door seal is wavy and folded on M3 EM2 R/H									INT	2	C	NCR	SOA		
6	C	TC1 door 3 Quarter window rubber has a 4mm gap (RH Leaf)									EXT	2	L	NCR	8BSA		
		Incomplete paint reworks:															
7	C	TC1 LMS minor paint rework incomplete TC1 Cab door 8&9 hinge paint rework incomplete(wet) TC1 LV1.2 door paint rework incomplete									INT	1	L+R	RTF	OPS		
8	C	TC1 Cab end PIS glass is scratched									INT	1	TOP	NCR	SOA		
9	C	M2 LM4 side cover leaves a gap									INT	1	L	NCR	8FG		
move to PC 13																	
<div style="display: flex; justify-content: space-between;"> MOCK GIBBELS GIB0000000380 Rev A1 Defects Report 30/05/2022 </div>																	



DELIVERY READINESS REVIEW
EM 01 20 230



Appendix E

Works Test Certificate

Not available at Delivery Readiness Review.

Two handwritten signatures in black ink. The signature on the left is more complex and cursive, while the one on the right is simpler and more vertical.