



## TRANSNET ENGINEERING

# GERMISTON WAGONS MANUFACTURING



### Scope and technical evaluation criteria for internal shotblast

Revision 00

Date of Release:

08 April 2025

**OPS\_WAG\_GMX\_SPEC\_062**

<b>Document Name: Internal shotblast scope of work and technical evaluation criteria</b>	<b>Ref: OPS_WAG_GMX_SPEC_062</b>	 <b>TRANSNET ENGINEERING GERMISTON</b> <b>CONTROLLED COPY</b> <b>Stamped In Red</b>  <b>ID No.:2559</b>  <b>SIGNATURE:</b> 
<b>Classification: Internal</b>	<b>Revision:02</b>	
<b>Date: 08 April 2025</b>	<b>Page:1 of 8</b>	



TANK INTERNAL SHOT BLAST SCOPE & TECHNICAL EVALUATION CRITERIA

SUMMARY OF REVISION

First issued – 08 April 2025

Document No. OPS\_WAG\_GMX\_SPEC\_062



The following revisions have been made in this revision:


<p>Document Name: Internal shotblast scope of work and technical evaluation criteria</p> <p>Classification: Internal</p> <p>Date: 08 April 2025</p>	<p>Ref: OPS_WAG_GMX_SPEC_062</p> <p>Revision:02</p> <p>Page:2 of 8</p>	<div><div><div>TRANSNET</div><div></div><div>engineering</div></div><div>TRANSNET ENGINEERING GERMISTON</div><div>CONTROLLED COPY</div><div>Stamped In Red</div><div>ID No.:2559</div><div>SIGNATURE: </div></div>
---	--	--

# TANK INTERNAL SHOT BLAST SCOPE & TECHNICAL EVALUATION CRITERIA

## TABLE OF CONTENTS:

PURPOSE AND BACKGROUND.....	4
SCOPE OF WORK.....	4
DELIVERABLES.....	4&5
MANDATORY DOCUMENTS TO BE SUBMITTED/RETURNED.....	6
PENALTIES.....	6
TECHNICAL EVALUATION CRITERIA.....	6&7

Document Name: Internal shotblast scope of work and technical evaluation criteria	Ref: OPS_WAG_GMX_SPEC_062	 <b>TRANSNET ENGINEERING GERMISTON</b> <b>CONTROLLED COPY</b> Stamped In Red  <b>ID No.:2559</b>  SIGNATURE: 
Classification: Internal	Revision:02	
Date: 08 April 2025	Page:3 of 8	

# TANK INTERNAL SHOT BLAST SCOPE & TECHNICAL EVALUATION CRITERIA

## 1. PURPOSE AND BACKGROUND:

Transnet Wagons Manufacturing requires the services for internal shotblast for rail tank wagons. TE invites proposals from suitably qualified service providers to conduct internal shotblast at its Wagons Manufacturing Business in Germiston. This document covers scope of work and technical evaluation criteria for the internal shotblast scope of work.

## 2. SCOPE OF WORK:

The scope of work for internal shotblast is detailed in 2.1. All external service providers must read thoroughly scope of work specification before final quotation price is submitted to Transnet.



### 2.1 SURFACE PREPARATION

- 2.1.1 Tanker inspected prior to blasting
- 2.1.2 If the results are acceptable (>100mg pr cm<sup>2</sup>) blast tanker to SA 2 ½.
- 2.1.3 Vacuum tanker to remove all blast media, dust and dirt
- 2.1.4 Check tanker if dressing has been carried out
- 2.1.5 Perform a dust and debris test
- 2.1.6 Take a minimum of 20 profile readings – profile between 20 - 60µm

## 3. DELIVERABLES:

### (a) Service provider must comply to the following critical requirements:

- All prospective tenderers will be required to attend a site compulsory briefing meeting to fully acquaint themselves with all the requirements in the tender.
- Submit an extensive company profile, providing details of similar or associated work done.
- Demonstrate a proven track record curricula vitae of all human resources to be deployed in the project; show clear capacity for delivering adequate services.
- Successful tenderer shall be required to submit to TE all SANAS calibration certificates for the equipment and tools to be used to execute the above scope of work.
- Service provider must have at least minimum of 2 years in execution of internal shotblast of components.



<b>Document Name: Internal shotblast scope of work and technical evaluation criteria</b>	<b>Ref: OPS_WAG_GMX_SPEC_062</b>	 <b>TRANSNET ENGINEERING GERMISTON</b> <b>CONTROLLED COPY</b> <b>Stamped In Red</b>  <b>ID No.:2559</b>  <b>SIGNATURE:</b> 
<b>Classification: Internal</b>	<b>Revision:02</b>	
<b>Date: 08 April 2025</b>	<b>Page:4 of 8</b>	

## TANK INTERNAL SHOT BLAST SCOPE & TECHNICAL EVALUATION CRITERIA

- Service provider must have full understanding of internal shot blast processes.
- Service provider must be able to commence work at short notice if successful on request by Transnet Engineering.
- Successful tenderer shall be obliged to comply with all TE Safety, Health and Environment (SHE) requirements.
- Successful tenderer shall be obliged to compile and submit safety file to Transnet Engineering SHE office (risk office) for review and approval. Successful service provider will be able to commence work after the safety file has been approved by Transnet risk office.
- Successful tenderer shall be responsible for the supply of all suitable Personal Protective Equipment (PPE) required and shall provide own working and test equipment.
- Successful appointed service provider will be required to demonstrate in a form of test plate to demonstrate capability to execute work.

### **(b) Successful service provider will be required to bring but not limited to following tools, equipment and procedures:**

- Service provider must bring all resources required to successfully execute internal shotblast scope of work.
- All SANAS calibrated gauges including calibration certificates
- Socks for internal inspection
- Ladders and lights both for internal shotblast of the wagons
- Vacuum cleaners
- Shot profile gauges
- Humidity temperature gauge
- External extractor fans
- Test records logbook/check sheets
- Quality Control Plan (QCP) which must be reviewed and signed off by Transnet Quality representative.
- Service provider must have all required check sheets and be able to complete/record all readings.

<b>Document Name: Internal shotblast scope of work and technical evaluation criteria</b>	<b>Ref: OPS_WAG_GMX_SPEC_062</b>	 <b>TRANSNET ENGINEERING GERMISTON</b> <b>CONTROLLED COPY</b> <b>Stamped In Red</b>  <b>ID No.:2559</b>  <b>SIGNATURE: .....</b>
<b>Classification: Internal</b>	<b>Revision:02</b>	
<b>Date: 08 April 2025</b>	<b>Page:5 of 8</b>	

## TANK INTERNAL SHOT BLAST SCOPE & TECHNICAL EVALUATION CRITERIA

**Important note:** Transnet Engineering will only free issue shotblast grit, supply air at 650kpa. Transnet Engineering will only supply specific quantities of shotblast grit per tanker. Service provider will be responsible to replace shotblast grit for any re-works that may occur. Service provider is therefore strongly advised to provide qualified and experienced resources for execution of this scope of work.

### 4. MANDATORY DOCUMENTS TO BE SUBMITTED/RETURNED



- Quality - Submit valid ISO 9001: 2015 certificate or any Quality Management System (QMS) documentation.
- Compliance to specification: The service provider must read all pages of scope of work documents (OPS\_WAG\_GMX\_SPEC\_062) and return signed/initialled/stamped documents. **NB:** Scope of work documents (OPS\_WAG\_GMX\_SPEC\_062) to be signed/initialled/stamped each page read.

### 5. PENALTIES:

- Penalties for the late completion of the work will be raised in accordance with Transnet
- Engineering's Service Agreement and Transnet guidelines which will be concluded with the successful tenderer.
- Transnet Engineering reserves the right to cancel the purchase order/agreement with the appointed service provider should the agreed specific goals and deliverables are not delivered on agreed time. **NB:** deliverables to be discussed and agreed with successful appointed service provider.

### 6. TECHNICAL EVALUATION CRITERIA:

Detailed methodology (Refer to section 2 and 3)	20%	<ul style="list-style-type: none"><li>• Clear detailed methodology and approach = 20%</li><li>• Approach and methodology defined, but certain requirements not outlined = 15%</li><li>• No approach or methodology outlined =0%</li></ul>
---	-----	---

Document Name: Internal shotblast scope of work and technical evaluation criteria	Ref: OPS_WAG_GMX_SPEC_062	 <b>TRANSNET ENGINEERING GERMISTON</b> CONTROLLED COPY Stamped In Red  <b>ID No.:2559</b>  SIGNATURE: 
Classification: Internal	Revision:02	
Date: 08 April 2025	Page:6 of 8	