

ENGINEERING: ENGINEERING SYSTEMS ENABLEMENT

QUALITY MANAGEMENT SYSTEM

Powertest V3.5 Software for SANS Tensile CHT Machine

TECHNICAL SPECIFICATION

Specification number	SE_BFX_SPEC_2019
Version number	00
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1 DOCUMENT VERSION

This specification supersedes all previous specifications for the purchase of Powertest V3.5 Software for SANS CHT Machine.

2 PURPOSE

The purpose of this document is to supply the potential supplier with the minimum technical requirements that the supply must comply to.

3 SCOPE OF SPECIFICATION

Powertest V3.5 Software is the basic support of the Machine to fulfil tensile testing process of metallic samples.

4 REFERENCE DOCUMENTATION

SANS 6892-1: Metallic materials - Tensile testing Part 1: Method of test at room temperature

5 DEFINITIONS AND ABBREVIATIONS

SANS – South Africa National Standards

6 TECHNICAL REQUIREMENTS

- Software must comply with requirements for SANS CHT Universal Tensile Tester
- Software Version: Powertest V3.5 or latest compatible version for SANS CHT Machine.

7 QUANTITY

Table 1: List of quantities

Description	Quantity
Powertest V3.5 Software	X1

8 POST PURCHASE SUPPORT

- Training of personnel
- Fixing of software issues

9 DOCUMENTATION REQUIRED

9.1 Procurement stage

- Software computer system requirements

9.2 On delivery

- Certification of Installation/delivery

10 DELIVERY

Is delivery required? YES

Delivery address:

Transnet Engineering: Metallurgical Laboratories

1 Transnet Road

Next to Foundry Entrance

Linquinda

Bloemfontein

9301

11 TIME FRAME

The software must be installed within two weeks of Purchase.

12 ACCEPTANCE CRITERIA

It is the responsibility of the supplier to ensure the understanding of the requirements/technical requirements of a required service. It is also the responsibility of the supplier to enquire and seek clarity on areas that may be unclear.

Upon the delivery of a product, the product shall be evaluated for conformance to specification requirements, using the acceptance criteria in Table 2 and the suppliers performance criteria in Table 3.

Each evaluation criteria weighs 5 points, and a product shall not be accepted if a score of less than 75% is achieved during product evaluation.

Table 2: Evaluation Criteria-**INSTALLATION**

	Criteria	Conformity		Comments
		C	NC	
1.	Calibration/verification certificate/report provided.			
Installation report includes:				
1.1	Date of installation.			
1.2	Installation company name.			
1.3	Technician name.			
1.4	SANAS/NMISA traceability.			
1.5	Procedure used for verification/calibration specified after installation.			
1.6	Results on calibration/verification certificate/report presented in units traceable to the International System of Units (SI)			
1.7	Environmental conditions during calibration/verification after installation. (i.e., Temperature)			
1.8	Recommended date of next cycle of software service. (If applicable)			
1.9	verification/Calibration done within standard tolerances after installation (proof of process tolerances to be provided as evidence).			
1.10	Delivery note provided.			

Table 3: Supplier performance evaluation

Vendor's performance criteria	1	2	3	4	5	N/A
Timelines of deliveries						
Quality of parts/product/material/service						
Evidence of supplying parts/product/material/service						
Quantity of parts/product/material						
Competitiveness of price						
Shelf life						
Packaging						
Compliance to specification						
Responsiveness to emails/calls/messages						
General specification compliance						
After purchase support (Training/repair consult)						
Material Datasheet Safety Data sheet						
Warranty						
Accreditation certificate						
Metrological traceability						
Calibration certificate						

Technical requirements						
Total Score						