	Evaluation Report	Apollo & CS/ Transmission Grids
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for DC Tools and Testing  
Equipment

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## CONTENTS

	Page
1. INTRODUCTION .....	3
2. SUPPORTING CLAUSES .....	3
2.1 SCOPE .....	3
2.1.1 Purpose .....	3
2.1.2 Applicability .....	3
2.2 NORMATIVE/INFORMATIVE REFERENCES .....	3
2.2.1 Normative .....	3
2.2.2 Informative .....	3
2.3 DEFINITIONS .....	3
2.3.1 Classification .....	3
2.4 ABBREVIATIONS .....	4
2.5 ROLES AND RESPONSIBILITIES .....	4
2.6 PROCESS FOR MONITORING .....	4
2.7 RELATED/SUPPORTING DOCUMENTS .....	4
3. TENDER TECHNICAL EVALUATION PROCEDURE .....	4
3.1 TECHNICAL EVALUATION CRITERIA .....	4
3.1 STAGE 1 - DESKTOP EVALUATION CRITERIA .....	5
3.2 STAGE 2 – PRACTICAL EVALUATION .....	5
4. AUTHORISATION .....	7
5. REVISIONS .....	7
6. DEVELOPMENT TEAM .....	7
7. ACKNOWLEDGEMENTS .....	7
ANNEX A	
ANNEX B	

## TABLES

Table 3-1: Desktop Evaluation Criteria .....	5
Table 3-2: Functionality Testing of TMC2001RTS Battery Tester .....	6
Table 3-3: Functionality Testing DMA35 Ampere Portable Density Meter .....	6
Table 3-4: Scoring of items for the Practical Evaluation .....	6

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## 1. INTRODUCTION

This report provides and overview of the Eskom's technical evaluation criteria to be used when evaluating the tender proposals for DC testing equipment and tools for the use in Secondary Plant Transmission Grids.

The report defines the 'Desktop Evaluation', and 'Practical Evaluation', criteria that will be used to evaluate responses to the enquiry.

## 2. SUPPORTING CLAUSES

### 2.1 SCOPE

The report provides the technical evaluation criteria relating to a commercial enquiry for the supply of DC testing equipment, and tools to be used in the Apollo & Centralised Services and Transmission Grids Secondary Plant environment.

#### 2.1.1 Purpose

The purpose of this tender technical evaluation is to define the Desktop Evaluation and Practical Evaluation Criteria.

#### 2.1.2 Applicability

This report will be applicable to Transmission Grids and Apollo & Centralised Services division.

## 2.2 NORMATIVE/INFORMATIVE REFERENCES

Parties using these criteria shall apply the most recent edition of the documents listed in the following paragraphs.

### 2.2.1 Normative

[1] 240-48929482: Tender Technical Evaluation Procedure

### 2.2.2 Informative

[1] None240-91177160: DC Technician Tools, Test Equipment and Accessories.

## 2.3 DEFINITIONS

Definition	Description
Eskom evaluation team	The persons appointed by Eskom to perform the evaluation of tender submissions in line with Eskom's requirements.
Density	Is defined as mass per unit volume. It has an SI unit Kg/m <sup>3</sup> and has an absolute quantity.
Specific gravity	Is the ratio of a material's Density with that of water at a specified temperature.

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## Technical Evaluation Strategy for DC Testing Tools & Equipment

Revision: 1

Page: 4 of 9

<b>Normative</b>	Documents that shall be read in conjunction with this report and are binding on Tenderers.
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### 2.3.1 Classification

**Report (Controlled Disclosure):** Controlled Disclosure to external parties (either enforced by law, or discretionary).

### 2.4 ABBREVIATIONS

Abbreviation	Description
CS	Centralized Services
DC	Direct Current
V	Volts
SANAS	South African National Accreditation System
TMC2001RTS	Battery tester
DMA 35 Ampere	Portable Density meter (for Battery Acid or Sulphuric acid)
SG	Specific Gravity
CV	Curriculum vitae
RFID	Radio Frequency Identification

### 2.5 ROLES AND RESPONSIBILITIES

It is proposed that:

- Apollo & CS shall utilise this report as a basis for the technical evaluation process.
- Tenderers shall note the evaluation criteria as laid out in this report and submit tenders in compliance to the stipulated requirements.

### 2.6 PROCESS FOR MONITORING

N/A

### 2.7 RELATED/SUPPORTING DOCUMENTS

N/A

## 3. TENDER TECHNICAL EVALUATION PROCEDURE

### 3.1 TECHNICAL EVALUATION CRITERIA

- a) The assessments are performed to assess the tenderer's capability to supply the required DC tools and equipment to meet the specified requirements.

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- b) This report and any actions that are listed or recommended as result of assessments by no means a confirmation or guarantee that any formal agreement will be entered into by Eskom.
- c) Any actions undertaken by the Tenderer as consequence of the tendering process remains the tenderer's responsibility and shall not be transferred as a liability unto Eskom.
- d) The assessment team has no authority or responsibility in the decision taken by Eskom in awarding any formal agreement pertaining to a product or service.
- e) Any statements, intentions and/or actions expressed by the assessment team during the assessment and thereafter should not be interpreted as the awarding of a formal agreement and does not constitute any liability to Eskom.

If the bidder fails to achieve the defined thresholds, as set out in the different stages, then the submission will be deemed non-compliant and will be removed from further evaluation.

The evaluation process has two stages with the corresponding minimum score (threshold) required for a bid to be deemed compliant are:

- a) Desktop Evaluation which requires >75% compliance threshold.
- b) Practical Evaluation which requires >75% compliance threshold.

### 3.1 STAGE 1 - DESKTOP EVALUATION CRITERIA

The Desktop Evaluation Schedule in ANNEX A will be scored according to Table 3-4. Submissions that obtain a minimum pass mark of 75% for the Desktop Evaluation Criteria will proceed to the Practical Evaluation.

Table 3-1: Desktop Evaluation Criteria

	Desktop Evaluation Criteria	Criteria Weighting (%)	Actual Score (%)	Comments
1.	Compliance Checklist Technical Schedule A & B (ANNEX A)	100		
	Subtotal	100		
	Threshold	75		

### 3.2 STAGE 2 – PRACTICAL EVALUATION

This evaluation exercise is performed by the Eskom evaluating representatives at the Eskom premises and consists of a workshop practical testing. The tenderer will be responsible to do all testing and configuration required by Eskom. This part of the evaluation is performed to assess the tenderer's capability to test and provide the requested calibration certificates for the test equipment.

The tenderer will be given two weeks' notice to prepare for the practical evaluation as specified in ANNEX B of this document. The Eskom evaluating representatives will witness the Practical Tests performed by the supplier.

A threshold of 75% is required for the tenderer to pass the Practical Evaluation (Table 3-4).

All suppliers will be given the same equipment to test. The supplier will be responsible for any damage to plant and test equipment. The Eskom technical team reserves the right not to proceed with the Practical evaluation if required.

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Table 3-2: Functionality Testing of TMC2001RTS Battery Tester

	Practical Evaluation Criteria	Criteria Weighting (%)	Actual Score (%)	Comments
1.	Practical Evaluation (ANNEX B)	100		
	<b>Subtotal</b>	<b>100</b>		
	<b>Threshold</b>	<b>75</b>		

Table 3-3: Functionality Testing DMA35 Ampere Portable Density Meter

	Practical Evaluation Criteria	Criteria Weighting (%)	Actual Score (%)	Comments
1.	Practical Evaluation Schedule (Annex C)	100		
	<b>Subtotal</b>	<b>100</b>		
	<b>Threshold</b>	<b>75</b>		

Each item will be assigned a score by the Eskom evaluation team using the below Table 3-4. The score for each item will be multiplied by its weight to obtain the total score per item.

Table 3-4: Scoring of items for the Practical Evaluation

Criteria	Score
<b>Fully Compliant</b> <ul style="list-style-type: none"> <li>Meet technical requirements,</li> <li>Technical Schedules A &amp; B and Compliance Checklist for Schedules A &amp; B submitted and signed,</li> <li>Passed practical evaluation</li> </ul>	3
<b>Partially Compliant (minor deviations)</b> <ul style="list-style-type: none"> <li>Does not meet all the technical requirements and/or,</li> <li>Unacceptable technical risk(s) /deviations and/or,</li> <li>No supporting documents provided</li> </ul>	1
<b>Non-compliant (major deviation)</b> <ul style="list-style-type: none"> <li>Unacceptable technical risks, and/or</li> <li>Not meeting technical requirements, and/or</li> <li>Non-responsive, and/or</li> </ul>	0

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## Technical Evaluation Strategy for DC Testing Tools & Equipment



Revision: 1

Page: 7 of 9

- Over inflated pricing

### 4. AUTHORISATION

This document has been seen and accepted by:

Name	Designation	Signature
Anthea Solomon	Middle Manager Secondary Plant: Apollo & CS	
Nelson Mayisela	DC Workshop Manager	

### 5. REVISIONS

None

### 6. DEVELOPMENT TEAM

The following people were involved in the development of this document:

Maria Mokou

Nelson Mayisela

### 7. ACKNOWLEDGEMENTS

None

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## ANNEX A – Compliance checklist Technical Schedules A&B

The Supplier shall complete the tables below in English, clearly indicating which product/s they are tendering for. This annexure shall be signed and submitted as part of the tender returnable. The corresponding AB Schedule shall be completed, signed, and submitted as a tender returnable.

Nr	Test Equipment/ Tools Offered by Supplier	AB Schedule name	State which test set(s) /product(s) is offered. (Y/N) – comment
1.	TMC2001RTS Battery Tester, Software CS-Manager, Charging unit, measuring leads, User manual, RF-ID Transponder tags & temperature sensor	TMC2001RTS Battery Tester A&B Schedule	
2.	DMA35 Ampere Portable Density Meter	DMA35 Ampere Portable Density Meter A&B Schedule	
Item	Criteria	Compliant Part Compliant Non-compliant	Details if not fully compliant
1	The supplier to provide the SANAS Accreditation Certificate as proof of accreditation in respect of conformity assessment, as mandated through the Accreditation for Conformity Assessment, Calibration and Good laboratory practice Act (Act 19 of 2006).		
2	The supplier to provide a complete list of their facilities, test instruments and tools available to calibrate, repair and test the DMA35 Ampere and/ or TMC2001RTS.		
3	The supplier to provide calibration certificates for their test instruments.		
4	The supplier to provide the CVs, Qualifications and Certificates for staff that will be performing the calibration and repairs on DMA35 Ampere and /or TMC2001RTS.		

**Name of Company:**

**Name of Company representative:**

**Signature:**

**Date:**

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## ANNEX B – Practical Evaluation

Item	Criteria	Compliant Part Compliant Non- compliant	Weight (1, 2 or 3)	Details if not fully compliant	Score
1	Measure and save cell electrolyte Density, Specific Gravity & temperature for Lead-acid batteries using DMA35 Ampere. (Specific gravity readings of 0g/cm <sup>3</sup> to 3g/cm <sup>3</sup> . Temperature range 0°C - 40°C). Specific Gravity Resolution 0.0001g/cm <sup>3</sup> .				
2	Measure and save cell voltages and internal resistances using TMC2001RTS. Range 1: ±24.5VDC, Resolution 0.0001VDC. Range 2: ±600VDC, Resolution 0.0010VDC.				
3	Create battery data file, transfer and download measured and saved data i.e cell voltages, internal resistances, density, temperature and SG readings from DMA35 Ampere to TMC2001RTS using Bluetooth® or RFID interface and to PC.				

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