

 <b>Eskom</b>	<b>Standard</b>	<b>Technology</b>
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Title: **TECHNICAL EVALUATION  
CRITERIA FOR  
CAPACITOR UNITS**

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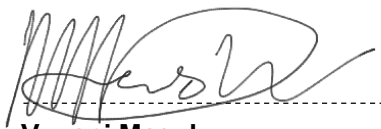
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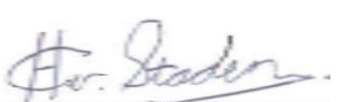


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## 1. Introduction

This document is aimed at outlining the standard to be adhered to when performing technical tender evaluations for tender submissions for capacitor units contract. This document was compiled in accordance with Eskom procurement and supply chain management [1].

## 2. Supporting clauses

### 2.1 Scope

This document covers the technical evaluation criteria to be used during tender technical evaluations of capacitor cans only.

#### 2.1.1 Purpose

This document is in place to ensure that the technical evaluations for capacitor units contract is carried out according to the requirements of Eskom Holdings SOC (Ltd).

#### 2.1.2 Applicability

This document shall apply throughout Eskom Holdings Limited Divisions.

### 2.2 Normative/informative references

Parties using this document shall apply the most recent edition of the documents listed in the following paragraphs.

#### 2.2.1 Normative

- [1] 32-1034, Eskom Procurement and Supply Chain Management.
- [2] 240-76429758 - Specification for Capacitor Units

#### 2.2.2 Informative

- [3] QM58, Supplier contract quality requirements specification.
- [4] ISO 9001, Quality Management Systems.

### 2.3 Definitions

#### 2.3.1 General

Definition	Description
<b>Eskom Assessment Representative(s)</b>	The person(s) appointed by Eskom to perform evaluation of tender submissions in line with Eskom requirements.
<b>Functionality</b>	Means the ability of a tenderer to provide goods or services in accordance with specifications as set out in the tender documents;

#### 2.3.2 Disclosure classification

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

## 2.4 Abbreviations

Abbreviation	Description
<b>BIL</b>	Basic Insulation Level
<b>CG</b>	Care Group
<b>HV</b>	High Voltage
<b>kV</b>	kilo Volt
<b>MVA<sub>r</sub></b>	Mega Volt Ampere Reactive
<b>SCOT</b>	Steering Committee of Technologies

## 2.5 Roles and responsibilities

The Power Electronics Care Group Convener must ensure that this document is updated, renewed and current at all times.

## 2.6 Process for monitoring

Not applicable

## 2.7 Related/supporting documents

Not applicable.

## 3. Evaluation Criteria

The technical evaluation commences after the tender closing date and once all submissions are received by the technical cross-functional team evaluating the offers. The outline of the process is provided below;

- 1) The evaluation and scoring will be conducted on each submission in accordance with the scoring and Criteria defined in Annex A of this document. Every criterion is scored and weighted according to its level of importance in the functionality of the system.
- 2) Items requiring clarifications (if any) will be communicated to the Contractor for official response. The Contractor will be given a period of 5 working days to respond to the issues raised in the clarification requests.
- 3) Only submissions that score above the stipulated threshold will then be allowed to progress further in the procurement process. The stipulated threshold is 80%.

The scoring of functionality criteria shall be based on the degree of achievement by the tenderer to meet the technical requirements. Table 1 below will be used as a guideline to determine the degree of achievement of each functionality criterion.

Table 1: Scoring guideline for functionality criteria

%	Definition
100	<b>Compliant</b> <ul style="list-style-type: none"> <li>Meet technical requirements and</li> <li>No foreseen technical risks in meeting the technical requirements.</li> </ul> OR <b>Compliant with Associated Qualifications</b> <p>Meet technical requirements with;</p> <ul style="list-style-type: none"> <li>Acceptable technical risks and/or</li> <li>Acceptable exceptions and/or</li> <li>Acceptable conditions</li> </ul>
0	<b>Non-Compliant</b> <ul style="list-style-type: none"> <li>Does not meet technical requirements and/or</li> <li>Unacceptable technical risks and/or</li> <li>Unacceptable exceptions and/or</li> <li>Unacceptable conditions and/or</li> <li>Totally deficient or non-responsive</li> </ul>
<p><b>Note 1:</b> Foreseen acceptable risks, exceptions and conditions include:</p> <ul style="list-style-type: none"> <li>Evidence that is missing or in conflict with the requirements that is considered minor, correctable prior to contract award and does not prevent the evaluating team from making a confident evaluation of the offer.</li> </ul> <p><b>Note 2:</b> Foreseen unacceptable risks, exceptions and conditions include:</p> <ul style="list-style-type: none"> <li>Evidence that is missing or in conflict with the requirements that is considered a significant deficiency in the design and/or significant deviation from the requirements of the employer's intent.</li> </ul>	

#### 4. Authorization

This document has been seen and accepted by:

Name and surname	Designation
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#### 5. Revisions

Date	Rev	Compiler	Remarks
April 2021	1	VB Masuku	New criteria required for capacitors units

#### 6. Development team

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

- Neels Van Staden
- Vuyani Masuku

## **7. Acknowledgements**

Not Applicable.

**Annex A – Technical Evaluation Criteria for Capacitors**

	<b>Name of Tenderer</b>		
	<b>Specification</b>	240-76429758 - SPECIFICATION FOR CAPACITOR UNITS	
<b>Item</b>	<b>Activity</b>	<b>Specification (Clause)</b>	<b>Points awarded if Item is Compliant</b>
	AB Schedules Completed.	Annex B	[5]
	All information is supplied in English.	3.2.7	[5]
<b>Capacitor Units</b>			
a)	Capacitor ratings (kVAr, C and weight, discharge resistor)	3.2.1	[10]
b)	Losses		[5]
a)	Overload capability demonstrated		[1]
b)	Design safety margin	3.2.3	[2]
c)	Drawings (formal prelim design drawings)	3.2.7	[21]
	d) Instruction / maintenance manuals	3.2.7	[2]
	e) Interchangeability		[1]
f)	Factory failure rate	3.2.5	[21]
g)	All tests offered (at correct test levels) <ul style="list-style-type: none"> <li>Thermal Stability Test</li> <li>Measurement of Tan Delta</li> <li>AC Voltage Test between terminals and container</li> <li>Lightning Impulse Test between terminals and container</li> <li>Short-Circuit Discharge Test</li> <li>Over-Voltage Test</li> </ul>	3.2.8	[6]
h)	Reference list with comparable references, including contact details		[21]
<b>Total score (A)</b>			<b>[100]</b>