

 Eskom	Report	Technology
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Title: **TECHNICAL EVALUATION
CRITERIA FOR PROCUREMENT
OF VARIOUS PADLOCKS FOR
THE EASTERN CAPE
OPERATING UNIT (ECOU)**

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1. Introduction

This document has been developed to set the standard technical evaluation criteria to be used when evaluating the tender submissions. This covers the technical evaluation of the padlocks and keys for Eskom's Eastern Cape Operating Unit. It has clauses developed to address various aspects required to perform the technical evaluation. It has been developed based on the Eskom specifications or standards as well as the ECOU specific requirements.

2. Supporting clauses

2.1 Scope

The document covers the criteria for the evaluation of the padlocks and keys for Eskom's Eastern Cape Operating Unit.

2.1.1 Purpose

The document addresses the standard documented technical evaluation criteria to be used when evaluating the tender submissions for the master padlocks and keys in line with the ECOU requirements and it is applicable to all the technical evaluations for the related tender submissions.

2.1.2 Applicability

This document shall apply throughout Eskom's Eastern Cape Operating Unit.

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] ISO 9001 Quality Management Systems.
- [2] 240-70500896, Standard for Electrical and Related Equipment Locks and Keys
- [3] D-DT-6050 Master Padlocks and Master Keyes
- [4] SANS 1533 Padlocks.
- [5] SANS 9227 Corrosion tests in artificial atmospheres – Salt spray tests

2.2.2 Informative

- [6] N/A.

2.3 Definitions

2.3.1 General

All standards definitions shall apply.

2.3.2 Disclosure classification

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

2.4 Abbreviations

Abbreviation	Description
ECOU	Eastern Cape Operating Unit
SI	Standards Implementation Department

2.5 Roles and responsibilities

All Eskom employees and/or appointed bodies involved in the procurement of master padlocks and keys shall ensure that the project deliverable meets the requirements of these technical evaluation criteria. Any deviation from these requirements shall constitute non-conformance, unless it was in advance agreed to by a delegated Specialist and is based on sound engineering judgement.

All suppliers of the master padlocks and keys to Eskom must be conversant with the requirements of this standard and shall comply with the requirements. No deviations will be accepted, and suppliers shall ensure that they obtain clarity where required and obtain all supporting information or documents necessary to comply with this document.

2.6 Process for monitoring

The master padlocks and keys acceptance shall be based on fully compliant submission of documents, and where necessary the factory assessment and proving manufacturing capability and capacity during factory evaluations.

2.7 Related/supporting documents

Not applicable.

3. Requirements

The evaluation methodology will include two main parts:

- Documentation evaluation (consisting of 2 phases), and
- Sample evaluation.

Eskom may request to conduct factory inspections, witnessing of tests and/or submission of samples. Eskom reserves the right to witness any or all these tests.

3.1 Documentation evaluation

The documentation evaluation exercise is performed by the Eskom evaluating representatives. This initial part of the evaluation starts when submissions are opened and assessed for the first time. Eskom will treat all documents submitted by the tenderer as confidential.

During the documentation evaluation; fully compliant tests in accordance with 240-70500896 will be required. Failure to submit and comply with the test requirements specified in these documents will lead to immediate disqualification.

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The documentation evaluations are meant for establishing if all the key tender deliverables are met. The documentation evaluation will consist of two sections:

- Level 1: Mandatory technical evaluation requirements deliverables (gatekeeper):
Full compliance (0 or 100%): Failure to meet all the mandatory requirements will result to a score of 0%; thus a tenderer can only obtain 0% or 100%, and nothing in between for level 1 mandatory gate-keeper requirements
- Level 2: Scoring of Technical Schedules requirements: 80% pass required
Only submissions that comply with Level 1 requirements will move on to the scoring phase. Tenderers need to obtain a minimum pass mark of 80%.

Table 1: Level 1 - Technical Tender Returnables

No	Criteria	Standard/Clause	Acceptance: Yes/No
1	Are completed Technical Schedules B submitted in the provided format and submitted and complied?	Technical Schedules A and B Technical Schedule B shall be completed in full by the supplier. No blank spaces allowed	
2	Copies of type test reports submitted?	SANS 1533	
3	Are drawings and product codes submitted and complied? Detailed drawings with dimensions and markings	Technical Schedules A and B	
4	Has type testing been performed and passed at an accredited Test facility? Provide proof	Provide proof of SANAS accredited facility	
5	Letter of guarantee that the keyway is registered and unique to Eskom for a minimum of 25 years	240-70500896 Clause 3.1.1.2.5	
6	Letter of undertaking regarding key blanks distribution and management	240-70500896 Clause 3.1.1.3 (e)	
7	Has a Contract Quality Plan been submitted that includes measures of resolving Technical Quality issues (e.g. defects and the management of non-conformances)	240-70500896 Clause 3.1.1.1	

Any "NO" on the above scores results in the submission being disqualified.

Note: Only a 100% compliant score achieved at level 1 mandatory gate-keeper requirements equates to full compliance. Any score below 100% of level 1 mandatory gatekeeper requirements will result to immediate disqualification.

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No	Criteria	Standard/Clause	Aspect	Weight	Comply: Yes/No
1	Padlocks - General	3.1.1.2	Type – CP Category 2	5	
2	Padlocks - Casing	3.1.1.2.2	Material Construction (solid/laminated) Material finish Thickness of plating Dimension of casing (nominal) - Width - Height - Thickness/Depth Casing jacket material Casing colour	10	
3	Padlocks - Shackle	3.1.1.2.3	Material Dimension of shackle (nominal) - Diameter - Length [Open / Locked] - Width	10	
4	Padlocks - Mechanism	3.1.1.2.4	Type: Pin Tumbler Number of key pins (minimum) Number of anti-pick mushroom pins (4 minimum) Number of anti-pick plates/wafers (3 minimum) Pin Spring material Shackle locking mechanism Shackle Spring material Pre-lubrication of mechanism	10	
5	Padlocks - Keyways	3.1.1.2.5	Are the proposed keyway registered and unique to the ECOU? Has a guarantee been submitted as proof that the keyway shall remain unique for a 25-year period from the date of delivery? Are keyways cascaded in accordance with 240-70500896	10	
6	Keys	3.1.1.3	Material Unique identification code (UID code) Character height of UID code Letter of undertaking regarding key blanks submitted	10	
7	Testing	3.1.1.4	Test reports in accordance with SANS 1533: Visual inspection Tension test Locking test Thickness test for plating Adhesion test for plating Test for corrosion resistance [SANS9227 (16h exposure)]	30	
8	Quality Assurance	3.1.1	Records of acceptance tests and test results available for inspection? Contract Quality Plan (including handling of non-conformances)	5	
9	Documentation – Outline drawings (including markings)			5	

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3.2 Sample evaluation

The samples shall be requested and submitted following the documentation evaluation exercise for those tenderers who passed the desktop documentation evaluation. Samples will be evaluated for conformance to the requirements.

Any new prospective suppliers who are accepted to supply on this tender, shall be required to issue free of charge a pre-determined number of keys prior to any orders being placed by Procurement. The requisite number of keys shall be determined by the Technical Support section of the Maintenance and Operations Department.

4. Authorization

This document has been seen and accepted by:

Name and surname	Designation
Henry Jordaan	Manager: Standards Implementation
Jacques Cloete	Chairman: ECOU Network Operating Committee
Noxolo Mabula	Manager: Technical Support

5. Revisions

Date	Rev.	Compiler	Remarks
April 2025	2	Jason Blaauw	Updated reference standard [2]. Updated Authorization list [4]. Spelling and grammar corrected.
October 2018	1	Jason Blaauw	New technical evaluation criteria in accordance with the Eskom Procurement policy.

6. Development team

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

- Jason Blaauw – Senior Engineer ECOU-SI

7. Acknowledgements

Not applicable.