

 Eskom	Report	Technology
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Title: **TECHNICAL EVALUATION
CRITERIA FOR EMERGENCY
SATELLITE VOICE
COMMUNICATIONS**

Unique Identifier: **240-144439907**

Alternative Reference Number: **<n/a>**

Area of Applicability: **Engineering**

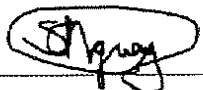

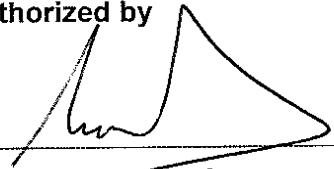
Documentation Type: **Report**

Revision: **2**

Total Pages: **9**

Next Review Date: **N/A**

Disclosure Classification: **Controlled
Disclosure**

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Date: 18 February 2020	Date: 18/2/2020	Date: 19/2/2020

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1. Introduction

This document covers the technical evaluation criteria for Emergency Satellite Voice Communications Specification.

2. Supporting clauses

2.1 Scope

2.1.1 Purpose

The document contains the technical evaluation criteria to be used for evaluating the tender submissions for the Emergency Satellite Voice Communications enquiry. The criteria consist of the mandatory technical requirements and qualitative criteria for the enquiry.

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] ISO 9001 Quality Management Systems.
- [2] 240-114967645 Emergency Satellite Voice Communications.
- [3] 240-135089195 Generic Technical Requirements for Eskom Telecoms Contracts.

2.2.2 Informative

None

2.3 Definitions

2.3.1 General

Definition	Description
Submission	The tender in accordance with the requirements of the enquiry.
Supplier	The company that will provide the submission defined within this document.
Technical evaluator	End-users, technical experts nominated by the end-user and Divisional technical functionaries with the necessary technical expertise.

2.3.2 Disclosure classification

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

2.4 Abbreviations

Abbreviation	Description
ATP	Acceptance Test Procedure
COE	Centre of Excellence
ET	Eskom Telecommunications
ICASA	Independent Communications Authority of South Africa
ISO	International Organization for Standardization
NMS	Network Management System
OEM	Original Equipment Manufacturer
PSTN	Public Switched Telephone Network

2.5 Roles and responsibilities

Procurement: Enquiry Process Owner

Telecommunications COE: Lead Technical Evaluator.

2.6 Process for monitoring

Not Applicable.

2.7 Related/supporting documents

Not Applicable.

3. Evaluation Criteria

Evaluations are performed to assess a supplier's capability to enter into a contract with Eskom. This report and any actions that are listed or recommended as a result of the assessments are by no means a confirmation or guarantee that any contract will be entered into with Eskom.

Any actions undertaken by a supplier, as a consequence of this report, are for the supplier's account. Any liability for the said actions undertaken by the supplier is not transferrable to Eskom, in any way.

The evaluation team has no authority or responsibility in the decision taken by Eskom with respect to contracting for a product or service.

Any statements, intentions, and/or actions expressed by the evaluation team during and after the assessment shall not be interpreted as the awarding of a contract and does not constitute any liability to Eskom with regard to contract placement or post-contract performance guarantees.

The evaluation methodology comprises of a non-negotiable requirements evaluation (submission of completed schedules of compliance, and compliance to mandatory clauses), and a qualitative evaluation (Desktop and Practical evaluation).

3.1 Submission of Tender Returnables

The technical evaluation team will go through the returned submissions. The first level of evaluation will be to ensure that the following completed Schedules/Acknowledgements of Compliance are submitted:

- a) Annexure A- Schedule of Technical Compliance of 240-114967645 Emergency Satellite Voice Communications Specification has been returned with the enquiry responses, accompanied by supporting documentation.

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- b) A written Acknowledgment of Compliance with 240-135089195 Generic Technical Requirements for Eskom Telecoms Contracts, accompanied by supporting documentation.
- c) Only physical (hardcopy) versions of tender returnables will be used for the technical evaluation, however, electronic (softcopy) versions must also be provided.
- d) The acknowledgement letters and responses to schedules of compliance shall clearly state any clauses which the supplier is not compliant with.

3.2 Mandatory Requirements

Mandatory criteria are 'must meet' criteria. These criteria shall not be weighted or point scored, but shall be assessed on a Yes/No basis as to whether or not the criteria are met. An assessment of 'No' against any criterion shall technically disqualify the supplier and shall not be further evaluated against Qualitative Criteria.

Submissions which do not comply in full to the mandatory requirements as stated in Table 1 will not be evaluated further.

The following mandatory clauses are non-negotiables for further evaluation.

Table 1: Compliance to mandatory clauses

Criteria	Compliant/Non-compliant	Comments
Submission of tender returnables as listed in Section 3.1.		
All Radio Frequency (RF) transmitting devices shall be type approved for use in South Africa by ICASA. Supplier to provide type approval certificate(s).		

3.3 Qualitative Evaluation Criteria 1: Desktop Evaluation

The qualitative evaluation criteria will consist of weighted evaluation criteria that will be used to identify the tenderer(s) that meet the minimum threshold, after determining the Mandatory Evaluation Criteria of Section 3.2 have been met.

The first phase of the qualitative evaluation criteria will be based on all the **[M] Mandatory Clauses** and the **[I] Information required/To Be Stated** clauses of 240-114967645 Emergency Satellite Voice Communications Specification and 240-135089195 Generic Technical Requirements for Eskom Telecoms Contracts. The tenderer is required to achieve a minimum weighted score of 80%, as a threshold, to progress to the next phase of evaluation i.e. Practical Evaluation.

The recommendation on the tenderer that meet the minimum threshold shall be based on the final scoring comparisons.

3.3.1 Compliance to [M] Mandatory Clauses and [I] Information Required in 240-114967645 Emergency Satellite Voice Communications Specification

The evaluation team shall assess the supplier based on the responses to the schedule of compliance to clauses of 240-114967645 Emergency Satellite Voice Communications Specification. The responses shall be scored according to the following scoring Table 2.

Table 2: Evaluation of [M] and [I] Clauses of Emergency Satellite Voice Communications Specification

Criteria	Weight (%)	Score	(%)	Definition
Compliance to [M] Mandatory and [I] Information Required Clauses in 240-114967645 Emergency Satellite Voice Communication Specification	40%	5	100	COMPLIANT <ul style="list-style-type: none"> Meet technical requirement(s) AND; No foreseen technical risk(s) in meeting technical requirements AND; Supporting information submitted and referenced
		3	60	PARTIALLY COMPLIANT <ul style="list-style-type: none"> Meet technical requirement(s) without one of the following; Acceptable technical risk(s) AND/OR; Acceptable exceptions AND/OR; Acceptable conditions AND; Supporting information submitted
		0	0	NON-COMPLIANT, TOTALLY DEFICIENT OR NON-RESPONSIVE

3.3.2 Product Risk Evaluation (Product and Overview)

The evaluation team, as part of the evaluation of 240-135089195 Generic Technical Requirements for Eskom Telecoms Contracts, shall compile a view summarising the risks associated with the products, particularly looking at the following:

- History of Product Development, with emphasis on the levels of continuity and integration in the product range.
- An outline of Future Developments Foreseen for the Product Range and Its Lifecycle.
- Life Cycle Roadmap.
- Evidence of Deployment in other Operator Networks

Suppliers' product risk will be evaluated and scored according to the following scoring Table 3.

Table 3: Product Risk

Criteria	Weight (%)	Score	(%)	Definition
Product Risk	30%	5	100	COMPLIANT <ul style="list-style-type: none"> Product has at least been in production for 2 years, AND Evidence of deployment in South Africa has been provided, AND Product is not planned for end of manufacturing in the next 5 years.
		3	60	PARTIALLY COMPLIANT <ul style="list-style-type: none"> Product has at least been in production for 2 years, AND Evidence of international deployment has been provided AND Product is not planned for discontinuation in the next 5 years.
		0	0	NON-COMPLIANT, TOTALLY DEFICIENT

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Criteria	Weight (%)	Score	(%)	Definition
				OR NON-RESPONSIVE

3.3.3 Experience, Expertise and Support Risk Evaluation

This section involves the evaluation of risk associated with the local supplier and OEM's experience, expertise and support. The following sections of the 240-135089195 Generic Technical Requirements for Eskom Telecoms Contracts will be used as the evaluation criteria:

- Spares Management Policy,
- List of Spares Distributions Centres across South Africa,
- Breakdown of Activities associated with Installation and Commissioning.

The suppliers' experience, expertise and support will be evaluated and scored according to the following scoring Table 4.

Table 4: Experience, Expertise and Spare Support Risk

Criteria	Weight (%)	Score	(%)	Definition
Experience, Expertise and Spares Support Risk	30%	5	100	COMPLIANT <ul style="list-style-type: none"> Multiple Spares Distribution Centres in country, AND Comprehensive Spares Management Policy, AND Comprehensive Installation and Commissioning list of Activities
		3	60	PARTIALLY COMPLIANT <ul style="list-style-type: none"> At least one Spares Distribution Centre in the country, AND A comprehensive Spares Management Policy, AND A comprehensive Installation and Commissioning list of Activities
		0	0	NON-COMPLIANT, TOTALLY DEFICIENT OR NON-RESPONSIVE

3.4 Qualitative Evaluation Criteria 2: Practical Evaluation

3.4.1 Functional Tests

A practical evaluation of the equipment is required.

The supplier shall propose the range of tests that prove functionality and shall provide their own standardised Acceptance Test Procedure (ATP).

Eskom reserves the right to require that the demonstration be conducted at the supplier's premises. If Eskom chooses to exercise this right, suppliers shall be given adequate notice of this requirement.

The practical equipment demonstration (functional tests) will be evaluated and scored according to the following scoring Table 5.

Table 5: Practical Equipment Demonstration

Criteria	Weight (%)	Score	(%)	Definition
Practical Equipment Demonstration	100%	5	100	COMPLIANT <ul style="list-style-type: none"> Supplier has provided a comprehensive ATP, AND ATP is performed by local supplier and with minimal assistance from OEM AND Supplier has demonstrated the systems independence to the Eskom Telecommunications (ET) infrastructure AND Supplier has demonstrated the systems independence to any terrestrial infrastructure AND Supplier has demonstrated the capability of the system to internationally breakout to the local PSTN AND Supplier has demonstrated a functional network management solution AND Supplier has demonstrated a system and Fault Centre (based in South Africa) that can handle 1st, 2nd and 3rd line support.
		3	60	PARTIALLY COMPLIANT <ul style="list-style-type: none"> Supplier has provided an ATP, AND/OR ATP is performed by OEM AND/OR Supplier has NOT demonstrated the systems independence to the Eskom Telecommunications (ET) infrastructure AND/OR Supplier has NOT demonstrated the systems independence to any terrestrial infrastructure AND/OR Supplier has NOT demonstrated the capability of the system to internationally breakout to the local PSTN AND/OR Supplier has NOT successfully demonstrated a functional network management solution AND/OR Supplier has NOT successfully demonstrated a system and Fault Centre (based in South Africa) that can handle 1st, 2nd and 3rd line support
		0	0	NON-COMPLIANT, TOTALLY DEFICIENT OR NON-RESPONSIVE

4. Final Scores and Ranking

Suppliers shall be ranked according to the weighted scores obtained in section 3.3 Qualitative Evaluation Criteria 1 and 2 (Desktop and Practical Evaluation).

Final Technical Evaluation Score = Average (Desktop Evaluation Score, Practical Evaluation Score).

Submissions that obtain a Final Technical Evaluation Score of 70% or higher will be recommended for further commercial evaluation.

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5. Authorization

This document has been seen and accepted by:

Name and surname	Designation
R McCurrach	PTM&C Engineering Senior Manager
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6. Revisions

Date	Rev	Compiler	Remarks
Feb 2020	2	O Ngwenya	Update document in accordance to review of document 240-114967645 Emergency Satellite Voice Communication Specification.
March 2019	1	O Ngwenya	First issue.

7. Development team

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

- O Ngwenya
- J Schutte

8. Acknowledgements

Not applicable.