

 Eskom	Request for Information (RFI)	Document Identifier	240-72663051	Rev	4
		Effective Date	17 June 2025		
		Review Date	June 2030		
		RFI Number	E2529DXNOU		

PART A
REQUEST FOR INFORMATION (RFI)

Description of the works/goods/services	Implementation of private LTE as a last mile network solution for Eskom Distribution		
Deadline for submission	25 February 2026.	At (South African Standard Time)	10H00
Tender Office address	<p>Online</p> <p>All responses should be submitted via Eskom E-tendering using the link below.</p> <p>https://eTendering.eskom.co.za</p> <p>Responses are to be uploaded via Eskom Tender bulletin site on the Eskom E-tendering page.</p>		
RFI's are to be submitted electronically via Eskom E-tendering site by the stipulated closing date and time.	Please note it is the responsibility of the supplier to ensure that the RFI submission is submitted before the closing date and time.		
Electronic Submission of RFI	<p>The tenderer must upload the tender via Eskom Tender bulletin site on the Eskom E-tendering page.</p> <p>All documents need to be submitted in a PDF and Excel format (The upload size per document is 500 megabytes and total submission is restricted to 4 gigabyte).</p> <p>No Zip/condense files can be uploaded No hard copy will be accepted</p> <p>If for some reason you resubmit your RFI, then the latest version of the RFI submitted will only be accepted and all previous submission/s will be null and void.</p> <p>Please ensure that the submission status is indicated as complete.</p> <p>Supplier Help Manual guide and video can be found on Eskom E-Tendering page</p>		
E-tendering Help Manual for supplier	See manual attached separately as Annexure E Kindly complete the E-tendering acknowledgement form, attached separately as Annexure X .		

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Eskom Holdings SOC Ltd ("Eskom") invites you to submit an:

- **Request for information (RFI)** to submit information for the works/goods/services as stated **from page 4**. This RFI is a stand-alone information-gathering and market-testing exercise, intended only to inform and assist Eskom's further deliberation and development of a strategy for the Implementation of private LTE as a last mile network solution for Eskom Distribution. Eskom may request indicative prices if so stated in this RFI.

Eskom has delegated the responsibility for this RFI to the signatory of this document, whose details can be found below.

We look forward to receipt of your response.

Yours faithfully

Name	Designation	Signature	Date
Khutso Sebea	Assistant Officer Procurement		10.02.2026
Telephone number	011 800 6712	Fax and/or e-mail address	Sebeakb@eskom.co.za

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PART B
RESPONSE SHEET IN TERMS OF A REQUEST FOR AN EXPRESSION OF INTEREST/ REQUEST FOR INFORMATION
To be completed by the supplier

To	Eskom Holdings SOC Ltd	Date	
Attention	Khutso Sebea		
Tel no		Fax no and /or e-mail address	
From		Address	
Address			
Sender			
Description of the works/goods/services	<i>Implementation of private LTE as a last mile network solution for Eskom Distribution</i>		

We look forward to receipt of your response.

Yours faithfully

Name	Designation	Signature	Date
Telephone number		Fax and/or e-mail address	

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Please find below our response to Eskom's questions:

No.	Question	Please indicate your response in this column
1.	<p>Provide Company Background</p> <ul style="list-style-type: none"> a) Company Profile b) Company registration number c) Accreditations d) Manufacturer, importer, assembler, supplier status e) Contact Name and Details f) Brief Description of previous experience and description of solution that you offer g) Experience in South Africa 	
2	<p>Provide Private long-term evolution (pLTE)</p> <p>Information for System requirements, where applicable to your solution, as per below:</p> <ul style="list-style-type: none"> a) High level Architecture design, b) Brochure of products used in network solution, c) Specification of products used in network solution, d) How your pLTE solution supports SCADA and Telemetry, e) How your pLTE solution supports Substation communications and SMART substation protocols, f) How your pLTE solution supports Distribution automation, g) How Your pLTE solution supports Protection system, h) How your pLTE solutions supports Mobile workforce and device, i) How your pLTE solution supports voice communication in the field and campus, j) How your pLTE solutions supports IOT/AMI/smart meter infrastructure, k) How your pLTE solution migration for future 5G. 	

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3	<p>Network Architecture & Design</p> <p><i>Is your proposed architecture covering, provide details:</i></p> <ul style="list-style-type: none"> a) <i>Core network:</i> <i>On-prem vs cloud vs hybrid</i> <i>Redundancy and geo-resilience</i> b) <i>Backhaul:</i> <i>Fibre, Microwave, Hybrid</i> <i>Latency and availability</i> c) <i>Network Segmentation:</i> <i>APNs</i> <i>Separation different traffic types</i> d) <i>Coverage Model:</i> <i>Urban/rural/remote sites</i> <i>Indoor coverage strategy (control rooms, substation, campuses)</i> e) <i>High level network diagrams</i> f) <i>Coverage modelling assumptions</i> g) <i>Scalability limits (users, devices)</i> 	
4	<p>Provide Scope of work Strategy</p> <p><i>High level detail on the below topics:</i></p> <ul style="list-style-type: none"> a) <i>Proposed Project Execution,</i> b) <i>Past Project Plans,</i> c) <i>Maintenance and Operation strategy,</i> d) <i>Training Strategy,</i> e) <i>ICASA Licencing requirements.</i> 	
5	<p>Spectrum Strategy</p> <p><i>High level detail on the below topics:</i></p> <ul style="list-style-type: none"> a) <i>Recommended Frequency bands?</i> b) <i>Rationale for band selection (coverage vs capacity),</i> c) <i>Spectrum analysis:</i> <i>Utility-owned</i> <i>Leased</i> <i>Shared</i> d) <i>ICASA experience,</i> e) <i>Expected licensing Model:</i> <i>Temporary</i> <i>Long-term leases</i> 	

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	Shared Access	
6	<p>Technology specifications</p> <p><i>High level detail on the below topics:</i></p> <ul style="list-style-type: none"> a) <i>Bandwidth,</i> b) <i>Latency,</i> c) <i>Data rate/speed,</i> d) <i>Availability,</i> e) <i>Frequency of operations,</i> f) <i>Standards applicable for each technology,</i> g) <i>Coverage range,</i> h) <i>Quality of services,</i> i) <i>Support FAN systems.</i> 	
7	<p>Security Architecture</p> <p><i>High level detail on the below topics:</i></p> <ul style="list-style-type: none"> a) <i>End to end encryption,</i> b) <i>Sim/eSim management,</i> c) <i>Authentication and access control,</i> d) <i>Integration with control centres,</i> e) <i>Compliance with IEC62351/NIST/ISO27001 etc.</i> 	
8	<p>Devices and Ecosystems your PLTE supports</p> <p><i>High level detail on the below topics:</i></p> <ul style="list-style-type: none"> a) <i>Rugged handhelds,</i> b) <i>Vehicles-Mounted routers,</i> c) <i>CPEs,</i> d) <i>IoT Modules (LTE-M/NB IoT),</i> e) <i>Other devices,</i> f) <i>SIM provisioning processes,</i> g) <i>Devices lifecycle management</i> <i>Protocol policy (open sources or proprietary),</i> h) <i>Other devices...</i> 	

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9	<p>Operations, Support & SLAs</p> <p><i>High level detail on Private LTE 24/7 utility network, as per below:</i></p> <ul style="list-style-type: none"> a) <i>Managed services vs Self-managed options,</i> b) <i>Local support capability,</i> c) <i>Spare support capability,</i> d) <i>Spare parts strategy,</i> e) <i>Software updates and patching,</i> f) <i>Monitoring and Analytics.</i> 	
10	<p>Risk and Dependency Disclosure</p> <p><i>Supplier to identify possible concerns, related to the below:</i></p> <ul style="list-style-type: none"> a) <i>Technical risks,</i> b) <i>Regulatory risks,</i> c) <i>Dependencies on third parties,</i> d) <i>Supplier chain risks,</i> e) <i>Vendor lock in risks,</i> f) <i>Other.</i> 	
11	<p>Indicative pricing and costing</p> <p><i>Provide Indicative pricing for full coverage per province:</i></p> <ul style="list-style-type: none"> a) <i>CAPEX per Province,</i> b) <i>OPEX per Province,</i> c) <i>Spectrum leasing and related costing,</i> d) <i>Support and Maintenance costs per province.</i> 	

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